GENERAL CATALOGUE 2025

Manufacturers of lubrication and fluid management equipment

50° 1974-2024

DESIGN

PRODUCTION

INSTALLATION

ASSISTANCE

FLEXBIMEC®

Made in Italy

MADE IN ITALY

EXPERIENCE, QUALITY, COMPETENCE SINCE 1974

FLEXBIMEC

Made in Italy

MADE IN ITALY



50° 1974-2024

Our history since 1974...

INTERNATIONAL REGISTRATION n. 704835



1974



1982



1986



1987



1988



1991



1992



1999-2002



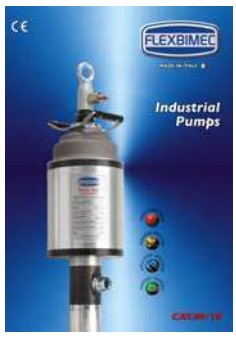
2004



2008



2010



2010



2011



2013



2015



2017



2021



2025





FLEXBIMEC was founded in 1974 as a manufacturer of hydraulic components.
The knowledge acquired in that field enabled the company to specialize itself in the production of dispensing systems for lubricants, developing over the years a broad range of lubrication equipment.

The first product manufactured by Flexbimec was the pneumatic pump which very quickly became well – known for its easy handling and for its reliability.

And so the company's focus still is the production of high quality pumps which nowadays are present worldwide, even in the most specialized markets.

Thanks to a continuous and careful technical development, Flexbimec is able to offer a range of reliable and market – oriented products for the supply and the monitoring of lubricants.

The FLEXBIMEC product range includes:

- grease supply equipment;
- oil supply and electronic, computer - based oil monitoring equipment;
- diesel supply and electronic, computer – based diesel monitoring equipment;
- compressed air supply and washing equipment;
- equipment for the mixing and dosing of fluids;
- equipment for the collection, handling and storage of waste fluids, particularly of waste oils.

FLEXBIMEC equipment is used in various applications such as in car, motorbike and commercial vehicle workshops, for industrial and agricultural machinery maintenance, in car wash sites, or in boat and ship maintenance.

















Besides of manufacturing the products, FLEXBIMEC is also projecting, installing and maintaining **turnkey facilities** for the handling and monitoring of lubricants in car, motorbike and commercial vehicle workshops. Until now Flexbimec has done more than 600 of those lubrication facilities based on the individual requirements of its customers.

The products are distributed through a worldwide network of dealers with a continuously growing export rate.

The total surface of 63.000 sqm and 7.000 sqm covered area enable FLEXBIMEC to grant the complete production and logistic handling of all its range of equipment.

Also there are special areas for technical training, showroom and the testing of new products included.

FLEXBIMEC has a modern organization with a quality assurance system according to **UNI EN ISO 9001:2015** and a range of flow meters with certification **MID MI-005 according to Directive 2014/32/EU.**

Service and consulting are other strong arguments of the company: the customer is continuously accompanied by technically qualified staff in order to identify each of his requirements and to offer satisfying solutions to him.

FLEXBIMEC has issued this new catalogue as a guide for your requirements regarding lubrication equipment, starting from the most simple accessory up to complete, computerized fluid monitoring systems.

Our company is sure that the variety of the innovative product range which has been developed by a continuous research of the user requirements, will help you to select and to install the equipment most suitable to simplify your daily work.







MID — Page 7

MID MEASUREMENT SYSTEMS ..... PAG. 7-21

GREASE — Page 22

PNEUMATIC PISTON GREASE PUMPS ..... PAG. 22-30
ELECTRIC GREASE PUMPS ..... PAG. 31-38
ACCESSORIES FOR ELECTRIC PISTON GREASE PUMPS ..... PAG. 39
PNEUMATIC GREASE SUPPLY KITS ..... PAG. 40-44
FORCED LIFTING GREASE SUPPLY SYSTEM ..... PAG. 45-46
ELECTRONIC SYSTEMS FOR GREASE MONITORING CONTROLLER 5.0 ..... PAG. 47
PNEUMATIC GREASE SPRAYER KITS ..... PAG. 48
MANUAL GREASE SUPPLY KITS ..... PAG. 49-51
GREASE REFILLING KITS ..... PAG. 52
GREASE GUNS AND CARTRIDGES ..... PAG. 53-54
ACCESSORIES FOR GREASE LUBRICATION ..... PAG. 55-57
NEW LINE OF ELECTRONIC FLOW METERS FOR GREASE SERIES 2TT - 4TT ..... PAG. 58-60
ACCESSORIES FOR GREASE PUMPS AND KITS ..... PAG. 61-63

OIL — Page 64

PNEUMATIC PISTON OIL PUMPS ..... PAG. 66-73
ACCESSORIES FOR PNEUMATIC OIL PUMPS SERIES "POWER BULL" ..... PAG. 74
ACCESSORIES FOR PNEUMATIC OIL PUMPS SERIES STANDARD ..... PAG. 75
PNEUMATIC AND ELECTRIC OIL PUMPS ..... PAG. 76
ELECTRIC OIL PUMPS ..... PAG. 77-79
PNEUMATIC DIAPHRAGM PUMPS ..... PAG. 80-81
MANUAL PUMPS FOR OIL AND ANTIFREEZE ..... PAG. 82
MANUAL PUMPS FOR OIL AND DIESEL ..... PAG. 83
MANUAL OIL DISPENSING UNITS ..... PAG. 84
PNEUMATIC OIL DISPENSING UNITS ..... PAG. 85
OIL CONTROL GUNS ..... PAG. 86
ELECTRONIC OIL FLOW METERS SERIES 2TT AND 4TT-PS ..... PAG. 87-92
OIL CONTROL GUNS ACCESSORIES ..... PAG. 93
DIGITAL AND MECHANICAL FLOW METERS ..... PAG. 94
OIL FLOW METERS / PULSE TRANSMITTERS ..... PAG. 95-96
SUCTION GUNS / FUNNELS ..... PAG. 97
GRADUATED MEASURES ..... PAG. 98
OIL DISPENSING KITS ..... PAG. 99
MOBILE OIL DISPENSING KITS ..... PAG. 100-102
PNEUMATIC OIL DISPENSING KITS ..... PAG. 103
STATIONARY PNEUMATIC OIL DISPENSING KITS ..... PAG. 104-107
STATIONARY OIL DISPENSING KITS ..... PAG. 108-109
SPILL CONTAINMENT PALLETS ..... PAG. 110-113
DRUM LIFT AND CRADLE/HEATER/HOSE STORAGE RACK ..... PAG. 114
STORAGE TANKS AND STORAGE UNITS ..... PAG. 115
STORAGE CONTAINERS ..... PAG. 116

SERVICE STANDS — Page 117

SERVICE STANDS ..... PAG. 118-119

PIPEWORK COMPONENTS — Page 120

PIPEWORK COMPONENTS ..... PAG. 120-123

MONITORING — Page 124

RF CONNECT 128AP WIRELESS FLUID MANAGEMENT SYSTEM ..... PAG. 124-134
ELECTRONIC FLUID MONITORING SYSTEMS ..... PAG. 135-136
LEVEL GAUGES FOR OIL ..... PAG. 137-138

WASTE OIL — Page 139

WASTE OIL DRAINERS ..... PAG. 139-144
COMBINED WASTE OIL DRAINERS AND SUCTION UNITS ..... PAG. 145-148
MOBILE WASTE OIL SUCTION SYSTEMS ..... PAG. 149
STATIONARY PNEUMATIC WASTE OIL SUCTION SYSTEMS ..... PAG. 150
STATIONARY PNEUMATIC WASTE OIL SUCTION SYSTEMS ..... PAG. 151
WASTE OIL TREATMENT ACCESSORIES ..... PAG. 152
PNEUMATIC BRAKE BLEEDERS ..... PAG. 153
BRAKE BLEEDING ADAPTERS ..... PAG. 154
WASTE OIL STORAGE TANKS ..... PAG. 155

DIESEL — Page 156

PNEUMATIC DIESEL PUMPS AND DIESEL TRANSFER KITS ..... PAG. 157
ELECTRIC DIESEL TRANSFER KITS ..... PAG. 158
ELECTRIC DIESEL PUMPS 12/24 VDC ..... PAG. 159
ELECTRIC DIESEL PUMPS 230/400 VAC ..... PAG. 160
ELECTRIC DIESEL TRANSFER KITS ..... PAG. 161
FLEX FUEL - VEHICLE LICENSE PLATE RECOGNITION TOWER FOR DIESEL ..... PAG. 162
DIESEL DISPENSING NOZZLES AND ACCESSORIES ..... PAG. 163
DIESEL FILTERS AND FOOT VALVES ..... PAG. 164
DIESEL FLOW METERS ..... PAG. 165

PETROL — Page 166

PNEUMATIC AND ELECTRIC PETROL PUMPS ..... PAG. 166
PNEUMATIC AND ELECTRIC PETROL DISPENSING KITS ..... PAG. 167
PETROL DISPENSING NOZZLES / PETROL FLOW METERS ..... PAG. 168
MOBILE PETROL SUCTION UNITS ..... PAG. 169
HOSE REELS FOR PETROL ..... PAG. 170
JERRYCANS ..... PAG. 171

MOBILE TANKS FOR DIESEL – PETROL – AdBlue®/DEF/AUS32 — Page 172

SYSTEMS FOR AdBlue® — Page 173

FLEX UREA - VEHICLE LICENSE PLATE RECOGNITION TOWER FOR ADBLUE®/DEF/AUS32 ..... PAG. 173
MANUAL TRANSFER PUMPS FOR ADBLUE®/DEF/AUS32 ..... PAG. 174
ELECTRIC TRANSFER PUMPS FOR ADBLUE®/DEF/AUS32 ..... PAG. 175
STATIONARY, ELECTRIC DISPENSING KITS FOR ADBLUE®/DEF/AUS32 ..... PAG. 176
STATIONARY PNEUMATIC DISPENSING KITS FOR ADBLUE®/DEF/AUS32 ..... PAG. 177
MOBILE DISPENSING KITS FOR ADBLUE® / DEF / AUS32 ..... PAG. 178-179
DIGITAL FLOW METERS FOR ADBLUE®/DEF/AUS32 ..... PAG. 180-182
PULSE TRANSMITTER AND ACCESSORIES FOR ADBLUE®/DEF/AUS32 ..... PAG. 183
AUTOMATIC REWIND, SPRING-DRIVEN HOSE REELS FOR ADBLUE®/DEF/AUS32 ..... PAG. 184

STAINLESS STEEL — Page 185

PNEUMATIC STAINLESS STEEL PUMPS ..... PAG. 185
PNEUMATIC STAINLESS STEEL PUMPS - HEAVY DUTY ..... PAG. 186
ACCESSORIES FOR PNEUMATIC STAINLESS STEEL PUMPS ..... PAG. 187
MANUAL STAINLESS STEEL PUMPS / PLASTIC CHEMICAL PUMPS ..... PAG. 188
STAINLESS STEEL PUMPS ..... PAG. 189-190
PNEUMATIC TRANSFER PUMPS FOR CHEMICALS ..... PAG. 191
ELECTRIC TRANSFER PUMPS FOR CHEMICALS ..... PAG. 192

WASHING — Page 193

PRESSURE SPRAYERS IN PAINTED STEEL ..... PAG. 193
PRESSURE SPRAYERS IN STAINLESS STEEL ..... PAG. 194-195
PRESSURE SPRAYERS/FOAMERS ..... PAG. 196
WASHING AND SPRAYING ACCESSORIES ..... PAG. 197-199
PARTS CLEANERS ..... PAG. 200-202
WASHING ACCESSORIES ..... PAG. 203

COMPRESSED AIR — Page 204

TYRE INFLATORS ..... PAG. 204
COMPRESSED AIR ACCESSORIES ..... PAG. 205
COMPRESSED AIR PIPEWORK COMPONENTS AND ACCESSORIES ..... PAG. 206-207
HOSE REELS FOR COMPRESSED AIR, SERIES EASY ROLLER ..... PAG. 208- 209
COMPRESSED AIR TREATMENT COMPONENTS ..... PAG. 210

HOSE REELS — Page 211

AUTOMATIC REWIND, SPRING - DRIVEN HOSE REELS ..... PAG. 218-228
MANUAL HOSE REELS, IN PAINTED STEEL ..... PAG. 229
MANUAL HOSE REELS, IN STAINLESS STEEL ..... PAG. 230
HOSE REELS FOR WELDING ..... PAG. 231
HOSE REEL ACCESSORIES ..... PAG. 232
SMART SOLUTIONS FOR INDUSTRY 4.0 UNIVERS ..... PAG. 233
HOSE REEL CODE GUIDE ..... PAG. 234
NOVA TG HOSE GUIDE ..... PAG. 235
ANDROMEDAAUTOMATIC REWIND, SPRING-DRIVEN HOSE REELS ..... PAG. 236-243
ORION MANUAL HOSE REELS ..... PAG. 244-249
SIRIO MOTOR OPERATED HOSE REELS ..... PAG. 250-253
GEMINI ELECTRO-HYDRAULIC MOTOR DRIVEN HOSE REEL ..... PAG. 254-255
TITANO SPRING DRIVEN HOSE REEL ..... PAG. 256-259
SPECIAL HOSE REELS THIN REEL LINE ..... PAG. 260-261
VACUUM / SUCTION HOSE REELS ..... PAG. 262
SWIVEL JOINTS FOR HOSE REELS ..... PAG. 263
STAINLESS STEEL SWIVEL JOINTS FOR HOSE REELS ..... PAG. 264
CURVE AND ADAPTERS FOR HOSE REEL ..... PAG. 265
FITTINGS AND COUPLERS ..... PAG. 267
HOSES ..... PAG. 268-269

FLUID MIXING EQUIPMENT — Pages 270-272

END - OF - LIFE VEHICLE DRAINAGE EQUIPMENT — Pages 273-282

FILTRATION SYSTEMS — Page 283

TROLLEYS — Pages 284-285

PART NUMBER INDEX — Pages 290-295

"For us, innovation means exploring new fields of technology, investing time, resources and anticipating market demands to satisfy our customers' needs."

Our MID certified systems and instruments (according to Directive 2014/32/EU), allow us to protect the consumer and the market by certifying and guaranteeing commercial transactions with legal value.



CERTIFICATE

Translation conformal to original text in Italian. In case of any discrepancies, the Italian version shall prevail

kiwa

Reg. No. MID 238_B_1 Revision 01
First issuance 2023-06-13 Last modification 2024-04-24
Expiry 2033-06-12
Page 1 / 1

EU-Type examination certificate (Module B)

We certify that, on the basis of tests and assessment carried out, the following measuring instruments of the Organization:

FLEXBIMEC INTERNATIONAL S.r.l.

Sede legale
Via Roma, 26 – 42020 Albinea (RE) – Italy

are in compliance with the applicable requirements, listed below, of D.Lgs. No. 22 dated 2 February 2007, as modified by D.Lgs. No. 84 dated 19 May 2016, that transponds Directive 2014/32/EU in Italy, according to Annex II Module B.

With this Certificate, permission is given to attach the number of this Certificate to the instruments that have been manufactured in compliance with the details reported in the technical sheet annexed.

Measuring instrument:
Measuring system for continuous and dynamic measurement of lubricating oils and of hydraulic oils

Type:
MID Oil System

Applicable essential requirements:
Annex I (essential requirements) / Annex VII MI-005 (Specific requirements)

This certificate is subject to Kiwa Cermet Italia regulations and it is valid only for the above-mentioned measuring instruments. The main characteristics and approval conditions are set out in the Technical Sheet which is an integrating part of this certificate. The compliance with any other applicable directive is under responsibility of the manufacturer.
This certificate withdraws and replaces the document: MID 238_B_1 rev. 00
This certificate cannot be reproduced, if not in its integral form.

Kiwa Cermet Italia S.p.A.
Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia Holding Srl
Via Cadriano, 23
40057 Granarolo dell'Emilia (BO)
Tel +39 051 459 3.111
Fax +39 051 763.382
E-mail: info@kiwacermet.it
www.kiwa.it

Organismo Notificato n. 0476
Notified Body nr. 0476

CERMET

Industry Division Manager
Maurizio Lorenzon

Digitally signed by: LORENZON MAURIZIO
Date: 24/04/2024 17:30:44

ACCREDIA

CERTIFICATE

Translation conformal to original text in Italian. In case of any discrepancies, the Italian version shall prevail

kiwa

Reg. No. MID 89_D_1 Valid since 2024-11-27
First issue 2016-03-29 Last modification 2024-11-27
Expiry 2027-12-17

Quality Assurance System Certificate (Module D)

We certify that, on the basis of audit carried out, the Quality Assurance System of the production process of the Organization:

FLEXBIMEC INTERNATIONAL S.r.l.

Registered Headquarters
Via Roma, 26/28 – 42020 Albinea (RE) – Italy
Operative site
c/o OMPI S.r.l. – Via Borsellino, 21 – Fraz. Borzano – 42020 Albinea (RE) – Italy

is in compliance with the applicable requirements of D.Lgs. No. 22 dated 2 February 2007, as modified by D.Lgs. No. 84 dated 19 May 2016, that transponds Directive 2014/32/EU in Italy, according to Annex II Module D

Measuring instruments:
Measuring systems for the continuous and dynamic measurement of quantities of liquids other than water
Refer to Annex I for details

EU-Type examination certificate	Issued by
MID 89_B_1 rev. 02	Kiwa Cermet Italia (0476)
MID 89_B_2 rev. 04	Kiwa Cermet Italia (0476)
MID 156_B_1 rev. 02	Kiwa Cermet Italia (0476)
MID 238_B_1 rev. 01	Kiwa Cermet Italia (0476)

Applicable essential requirements:
Annex I (Essential requirements) / Annex VII MI-005 (Specific requirements)

This Certificate is subject to Kiwa Cermet Italia regulations and it is valid only for the above mentioned measuring instruments under surveillance. The types of instruments included in this Certificate are specified in Annex I, which is an integral part of this Certificate
This Certificate cannot be reproduced, if not in its integral form.
This Certificate is formed by 1 page.

Kiwa Cermet Italia S.p.A.
Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia Holding Srl
Via Cadriano, 23
40057 Granarolo dell'Emilia (BO)
Tel +39 051 459 3.111
Fax +39 051 763.382
E-mail: info@kiwacermet.it
www.kiwa.it

Organismo Notificato n. 0476
Notified Body nr. 0476

CERMET

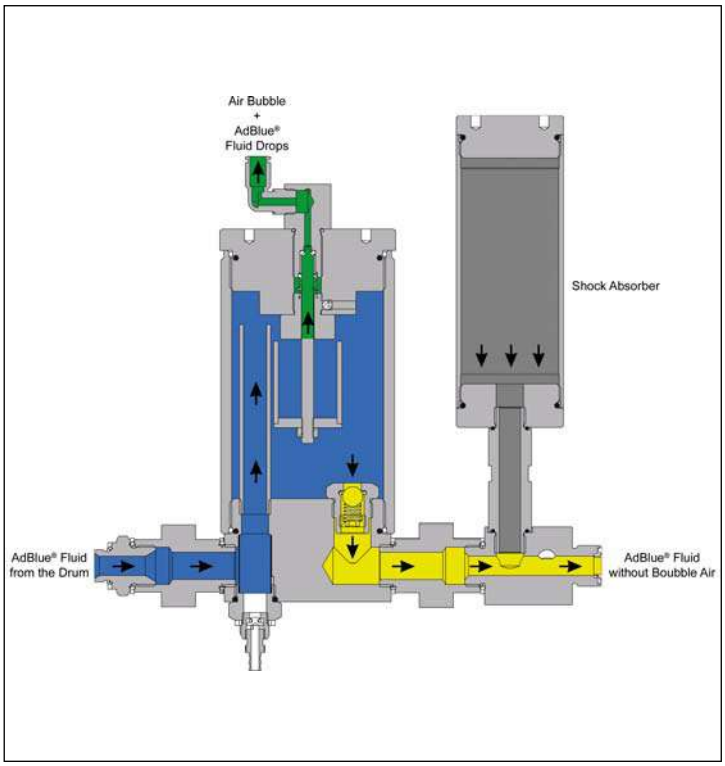
Industry Division Manager
Maurizio Lorenzon

Digitally signed by: LORENZON MAURIZIO
Date: 29/11/2024 09:21:50

ACCREDIA

Flexbimec provides a document to describe the design and certification evolution that has taken place from 2016 to today, regarding MID certified equipment, according to Directive 2014/32/EU.





DIRECTIVE 2014/32/UE

Measuring Instruments Directive applies to metric instruments for legal measurement.
The purpose of the Directive is to protect the consumer and the market.

DIRECTIVE IMPLEMENTATION IN ITALY
LEGISLATIVE DECREE 19 May 2016, n. 84 Implementation of Directive 2014/32/EU concerning the harmonisation of legislation.

Definitions according to DIR 2014/32/UE MID (Italian implementation of DLGS 19 May 2016, n. 84):

- **«Measuring instrument»** An instrument intended to continuously measure, store and display, under measuring conditions, the quantity of liquid passing through the measuring transducer in a closed, fully loaded conduit.

- **«Measuring system»** A system that includes the flow meter itself and all devices necessary to ensure correct measurement or intended to facilitate measuring operations.

- **Putting into use»**: means the first use of a measuring instrument intended for the end-user for the purposes for which it was intended;

- **«Manufacturer»**: means any natural or legal person who manufactures a measuring instrument or has a measuring instrument designed or manufactured, and markets that measuring instrument under his name or trade mark or puts it into use for his own purposes;

- **«Authorised representative»**: means any natural or legal person established within the Union who has received a written mandate from a manufacturer to act on his behalf in relation to specified tasks;

Definitions according to DIR 2014/32/UE MID (Italian implementation of DLGS 19 May 2016, n. 84):

- **«Distributor»**: means any natural or legal person in the supply chain, other than the manufacturer or the importer, who makes a measuring instrument available on the market;

- **«CE marking»**: means a marking by which the manufacturer indicates that the measuring instrument is in conformity with the applicable requirements set out in Union harmonisation legislation providing for its affixing.

Definitions according to Ministerial Decree 93/2017

- **«Legal measurement function»**, means a measure-

ment function justified by reasons of public interest, public health, public safety, public order, environmental protection, consumer protection, imposition of taxes and duties and fair commercial transactions;

- **«Instrument owner»**, means the natural or legal person who owns the measuring instrument or who otherwise has responsibility for the measuring activity;

- **«Seals»**, the protective seals, including electronic ones, applied to instruments to guarantee their integrity by notified bodies and manufacturers, when verifying conformity, and by periodic verification bodies that have submitted a certified notification of commencement of activity to Unioncamere and by the Chambers themselves and by other bodies authorised to carry out verifications during the transitional period referred to in Article 18 and previously.

MID

- With reference to the national and European legal requirements to which measuring instruments used for commercial transactions are subject or as better defined by the reference regulations;

- ***The instruments used for legal measurement functions,*** **Flexbimec International** with the aim of supporting its partners so that they do not incur administrative sanctions or even criminal proceedings, would like to clarify the following.



- **Flexbimec International** has been producing and selling measuring instruments with legal functions for several years (first certificate in 2016) and for different types of liquids (oils, Urea, coolant, etc.).

- In developing its products, **it initially developed specific meters** for different types of liquids and some **essential components** of the measuring systems (air elimination devices, flow regulators, pumps, valves, etc.) and subsequently made **complete measuring systems** available on the market.

- In both cases (instruments or measurement systems) it has submitted them to the delicate approval process at a recognized international body, obtaining the relevant certifications **(MID Module B)** and which, thanks to a further company certification **(MID Module D),** is able to market in compliance with all that is provided by European regulations.

- As specified in the introduction, in order to support its partners and especially the users of these instruments, it is important to specify that the latter have different obligations that vary substantially depending on the type of installation planned.

- The first important distinction is related to the use of a **"system" certified and marked at the origin by the manufacturer** or of a system containing "components" certified at the origin but which CANNOT be certified as a whole given the impossibility of the manufacturer to know many of the necessary aspects, not least the set of components as well as compliance with the operating conditions and much more.

- In the latter case, it is therefore essential that the user requests the intervention of a recognised notified body to carry out further tests and certify their suitability before putting them in function.

- Flexbimec International will provide all the necessary support for the certification of the system including the certification of the essential components supplied. This type of conformity assessment is provided by ***Annex II of the MID Directive according to Module G*** and in this specific case the manufacturer would no longer be Flexbimec International but rather the one who created the system and prepared everything necessary for the definition of the certification practice.

- In the first case, however, Flexbimec International (provider of the complete system), thanks to the provisions of the MID Directive in terms of

Conformity assessment according to Annex II of the MID Directive

- ***Module B + D,*** is able to provide all the documentation necessary so that the user can proceed directly to commissioning the instrument.

- Please note that the latter (commissioning) may have significant differences depending on the EU Member State in which it takes place.

- In Italy, it is necessary to refer to the provisions **of the competent Chambers of Commerce**, which require a written communication accompanied by the personal data of the instrument and references to the place of use.

- Note: Even in the simple case in which this is changed, that is, the instrument is transferred to another location, it is necessary to communicate the change to the respective chambers of commerce of competence (Art. 13. DM 93).

- Finally, given the user's responsibilities, article 8 of Ministerial Decree 93 is reported in full, which defines the obligations in relation to the maintenance of the instrument after it has been put into service.

OBLIGATIONS OF OWNERS OF END USER INSTRUMENTS

- 1. Owners of measuring instruments subject to the obligation of periodic verification:

a) **communicate within 30 days to the Chamber of Commerce** of the district in which the instrument is in service the date of start of use of the instruments and the date of end of use and other elements referred to in Article 9, paragraph 2;

b) maintain the integrity of the mark affixed during periodic verification, as well as any other mark, seal, including electronic ones, or protection element;

c) they ensure the integrity of the temporary seals applied by the repairer;

d) they keep the metrological booklet and any other required documentation;

e) they ensure the correct functioning of their instruments and do not use them when they are clearly defective or unreliable from a metrological point of view

- 2. The obligations referred to paragraph 1, letters b), c), d) and e), are excluded in the event of unforeseeable episodes or events over which there is no effective control according to normal criteria of diligence.

MID INSTRUMENTS

First registered certificate 21/03/2016

EU TYPE EXAMINATION CERTIFICATE	NB	MODEL	CATEGORY
MID 89_B_1 rev. 02	0476 KIWA	MID Oil Counter 2545	Lubricating and hydraulic oil meter
MID 89_B_2 rev. 04	0476 KIWA	MIDBlue Counter 2736	Meter for water-based industrial fluids such as Urea/AUS32, antifreeze, windshield washer fluid
MID 156_B_1 rev. 02	0476 KIWA	MID Blue System (Art. 6787MID, 6786MID, 6730MID, 6731MID, 6752MID, 6733MID e 6754MID)	Measuring system for water-based industrial fluids (Urea/AUS32, antifreeze, windshield washer fluid)
MID 238_B_1 rev. 01	0476 KIWA	MID Oil System (Art. 2973MID, 2978MID e 2979MID)	Measuring system for lubricating and hydraulic oils

NOTIFIED BODY

Kiwa Cermet S.p.A.
Company with sole shareholder, subject to the management and coordination of Kiwa Italia Holding Srl

PNEUMATIC MID OIL SYSTEM: 2973MID



The Kit must be composed of the following elements:

Ⓐ Pump
+
Ⓑ Air elimination device
+
Ⓒ MID certified flow meter gun
+
Ⓓ Connections
=

Art.no. **2973MID**

PUMPS TO CHOOSE FROM:

Ⓐ



Art.no. **2020**
Compression ratio 3:1
(See pag. 67)

Art.no. **2025**
Compression ratio 3:1
(See pag. 68)

Art.no. **2012**
Compression ratio 6:1
(See pag. 70)

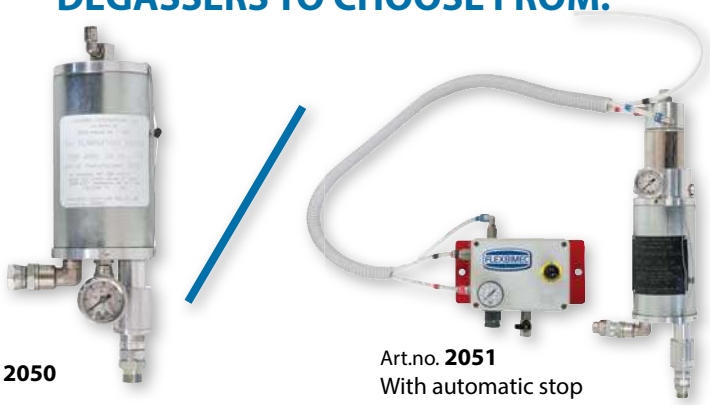
Art.no. **2061**
Compression ratio 5:1
(See pag. 68)

Art.no. **2032**
Compression ratio 3:1
(See pag. 67)

Art.no. **2016**
Compression ratio 6:1
(See pag. 70)

DEGASSERS TO CHOOSE FROM:

Ⓑ



Art.no. **2050**

Art.no. **2051**
With automatic stop

Ⓒ



Art.no. **2545**
(See pag. 16)

Ⓓ

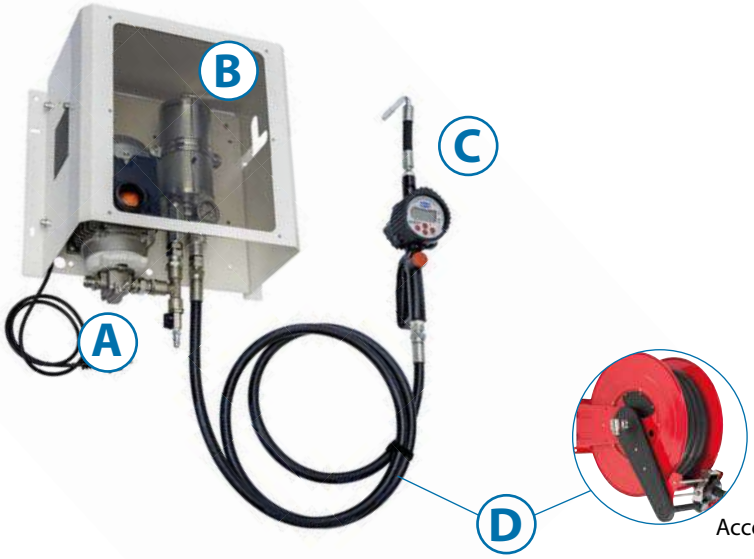
CHOICE OF CONNECTIONS

Ø 1/2" hoses up to a maximum suggested length of 30 m (see pag. 13)

(The request for larger sizes will be evaluated at the offer stage).

NO FINAL CERTIFICATION REQUIRED ACCORDING TO MODULE G

ELECTRIC MID OIL SYSTEM (230V): 2978MID



Accessorio

The Kit must be composed of the followingelements:

Ⓐ Pump
+
Ⓑ Air elimination device
+
Ⓒ MID certified flow meter gun
+
Ⓓ Connections
=

Art.no. **2978MID**

Ⓐ PUMP



Art.no. **6122**

Ⓑ DEGASSERS TO CHOOSE FROM:



Art.no. **2054**
with automatic stop



Art.no. **2054-1**

Ⓒ



Art.no. **2545**
(See pag. 16)

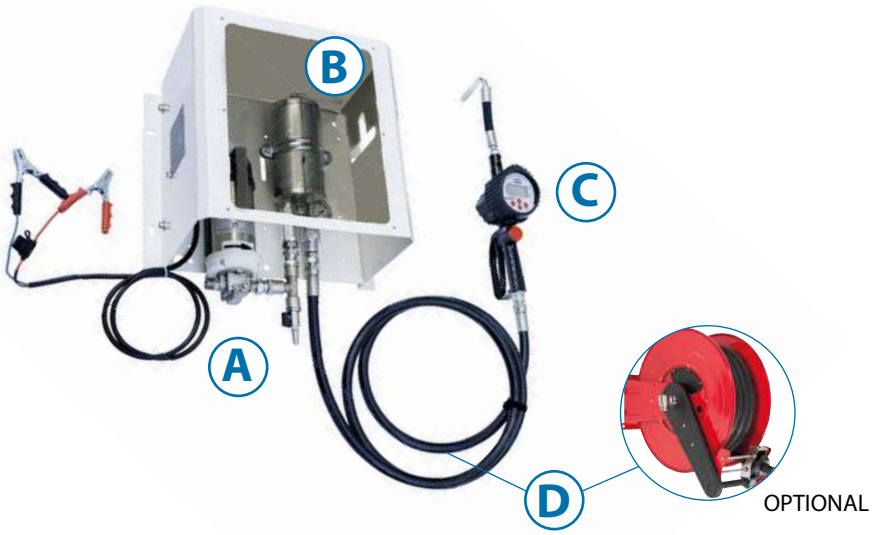
Ⓓ CHOICE OF CONNECTIONS

Ø 1/2" hoses up to a maximum suggested length of 30 m (see pag. 13)

(The request for larger sizes will be evaluated at the offer stage).

NO FINAL CERTIFICATION REQUIRED ACCORDING TO MODULE G

ELECTRIC MID OIL SYSTEM (12/24VDC): 2979MID

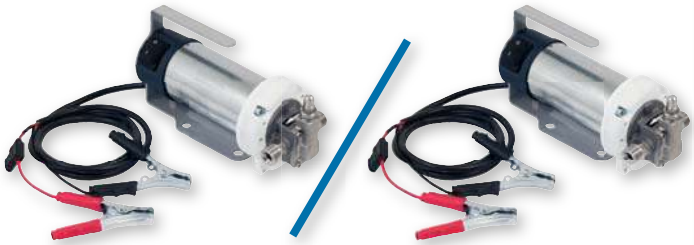


The Kit must be composed of the followingelements:

Ⓐ Pump
+
Ⓑ Air elimination device
+
Ⓒ MID certified flow meter gun
+
Ⓓ Connections
=

Art.no. **2979MID**

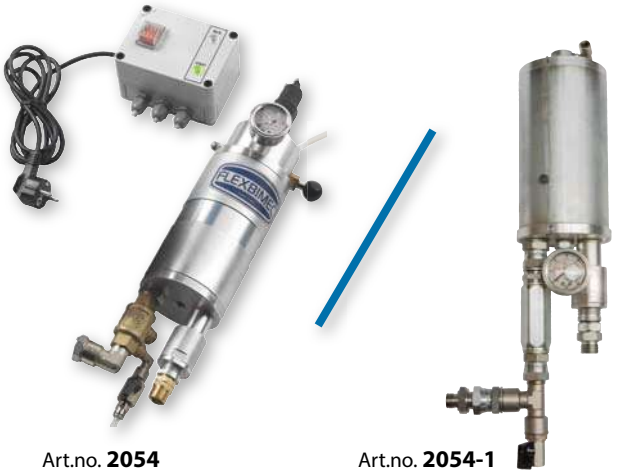
Ⓐ PUMPS TO CHOOSE FROM:



Art.no. **6112**
12 Vdc

Art.no. **6114**
24 Vdc

Ⓑ DEGASSERS TO CHOOSE FROM:



Art.no. **2054**
With automatic stop

Art.no. **2054-1**

Ⓒ



Art.no. **2545**
(See pag. 16)

Ⓓ CHOICE OF CONNECTIONS

Ø 1/2" hoses up to a maximum suggested length of 10 m (see page 13)
(The request for larger sizes will be evaluated at the offer stage).

NO FINAL CERTIFICATION REQUIRED ACCORDING TO MODULE G

CONNECTION TYPES

D



Art.no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Length
28703	1/2"	12.7 mm	20.6 mm	160 bar	640 bar	180 mm	-40/+100°C	3 m
28705								5 m



Art.no. **9090**
(See pag. 220)



Art.no. **9074**
(See pag. 221)



Art.no. **9016**
(See pag. 218)



Art.no. **AF4219200**
(See pag. 237)



Hose reel hoses examples

Art.no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Length
28710	1/2"	12.7 mm	20.6 mm	160 bar	640 bar	180 mm	-40/+100°C	10 m
28715								15 m
28720								20 m
28725								25 m
28730								30 m

ACCESSORIES



Art.no. **4380**



Art.no. **4389**



Art.no. **8525**



Art.no. **8533**

CONFIGURATIONS EXAMPLES

















CONTACT OUR SALES OFFICES FOR THE MOST SUITABLE CONFIGURATION FOR YOUR SPECIFIC CUSTOMIZATION NEEDS.

EUROPEAN PATENT
19162312.3-1101
102018000003982

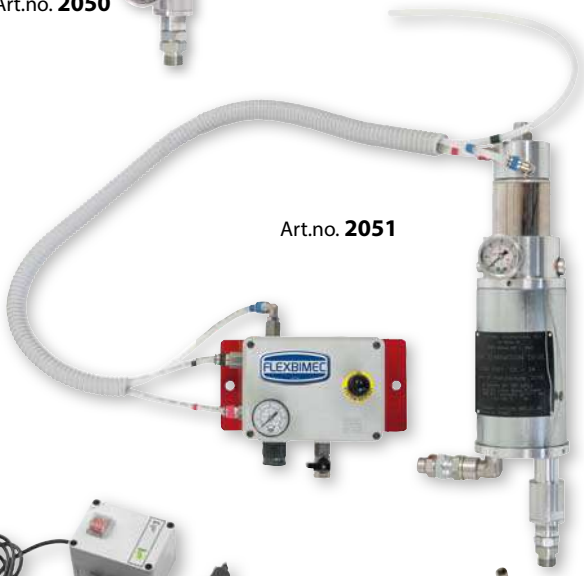
Patented automatic devices for discharging air that may be present in the oil distribution circuit with pump block with empty drum (Art.no. 2051 and 2054) or without pump block (Art.no. 2050 and 2054-1); complete with pressure gauge for monitoring the circuit pressure and non-return valve.

Connected to the pump outlet, they allow the elimination of air inside the circuit itself and the pressure peaks resulting from the operation of the pneumatic pumps, thus ensuring a constant oil flow.



Art.no. **2050**

Art.no. **2050**
Air elimination device suitable for pneumatic pumps.



Art.no. **2051**

Art.no. **2051**
Air elimination device suitable for pneumatic pumps with pump stop at empty tank.

Art.no. **2054**
Air elimination device suitable for 230 VAC electric pumps with pump stop at empty tank.

Art.no. **2054-1**
Air elimination device suitable for 230 VAC electric pumps.



Art.no. **2054**



Art.no. **2054-1**

Art.no. **1150**
Stainless steel AISI 303 air elimination device suitable for pneumatic pumps with pump stop at empty tank.

Art.no. **1151**
Stainless steel AISI 303 air elimination device suitable for 12 VDC electric pumps with pump stop at empty tank.

Art.no. **1152**
Stainless steel AISI 303 air elimination device suitable for 230 VAC electric pumps with pump stop at empty tank.



Art.no. **2250**

Art.no. **2250**
Pulse damper device for pneumatic pumps ratio 1:1 and 3:1. Connected to the pump outlet it eliminates pressure peaks, thus ensuring a constant oil flow.

Art. no.	Material	Flow rate	Working pressure	Connections IN – OUT	Discharge connection	Weight	Dimensions (WxDxH) (mm)
2050	Brass / Aluminium	0.5 - 10 l/min	1 - 20 bar	1/2" BSP (F - M)	3/4" BSP (M)	3 kg	190x110x310
2051						4 kg	190x110x370
2054						4 kg	190x110x360
1150	AISI 303					4.2 kg	
1151						4.5 kg	
1152						3.8 kg	
2250	Brass / Aluminium	-			-	1 kg	60x55x230

The **European Directive 2014/32/EU,** better known as Directive **MID** (Measuring Instruments Directive), is a community norm responding to reasons of public interest, safety and order, protection of the environment and the consumer, of levying taxes and duties and of fair trading. All these points affect directly and indirectly the daily life of citizens in many ways and require certified measuring systems subject to fiscal verification.



The **MID MI-005** involves measuring systems for continous and dynamic measurement of quantities of liquids other than water, particularly lubricant oils.
The Flexbimec oil flow meter series **MID MI-005** complies with metrological standards and requirements concerning accuracy as defined in the a.m. Directive and can be used therefore as approved meters also in fiscal transactions.



Art.no. **2545**

Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID Directive 2014/32/EU**, with rubber protection guard, control gun, 1/2" BSP (M) inlet swivel, fluid flow transparent control tube and automatic anti drip nozzle.

RATED OPERATING CONDITIONS	
Type of fluid	Lubricant oils
Flow rate range	Qmin 0.5 L/min ÷ Qmax 10 L/min
Minimum measurable quantity (MMQ)	0.5 l
Accuracy class	0.5
Working temperature	+ 5°C / + 40°C
Working pressure	1 – 20 bar
Display division	0.005 l
Mechanical environment class	M1
Electromagnetic environment class	E2
Checksum code	cksum E57E
Protection class	IP 64
Underlying CE Directives	2004/108/CE 2006/95/CE
Underlying CE norms	CEI EN 61000-4-2 CEI EN 61000-4-2 A1 CEI EN 61000-4-2 A2 CEI EN 61000-4-3
Single operations data storing capacity	2000 data record
Composition of storable single operations data	• Serial number of single dispense • Year of dispense • Month and day of dispense • Time of dispense • Dispensed quantity of single operation • Absolute total of dispensed quantities

Conformity assessment Art. 17 modules **B+D**



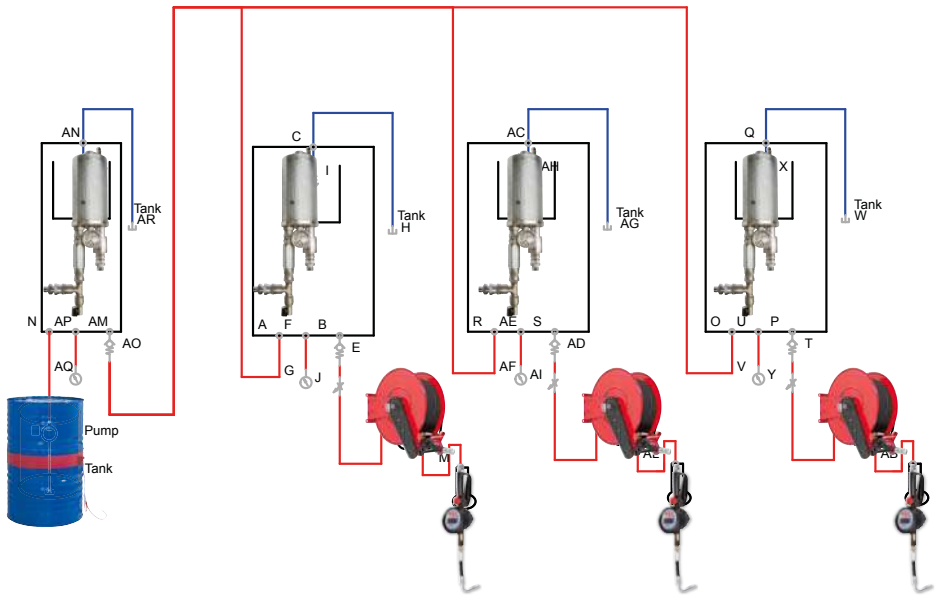


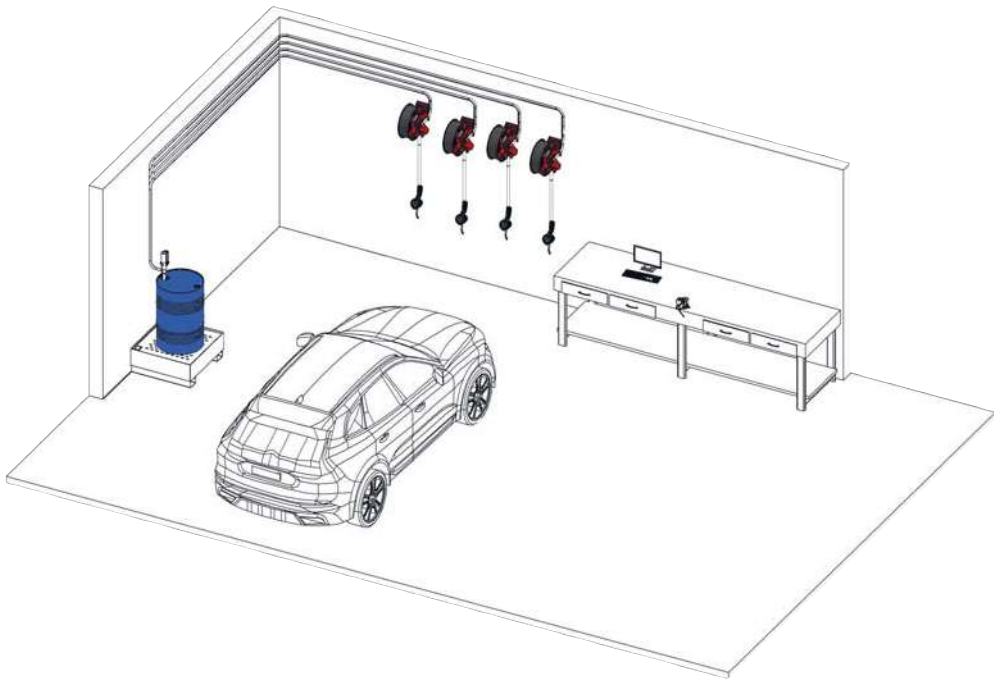
Type Approval certificate MID 89_B_1 - rev. 01

MID OIL SYSTEM: MULTI-DROP

Multi-drop systems have a main booster pump that feed a hydraulic circuit formed by multiple delivery points in series. The systems contain components certified at the origin suitable for the management and monitoring of fluids in automotive workshops. They are customized according to the customer's needs and it is not necessary to request certification. They can be installed on existing centralized systems even if not certified.
The intervention of our technicians is required for an on-site assessment of the system.

EXAMPLES OF HYDRAULIC DIAGRAM





Flow rate:
Minimum flow rate: 0.5 Liters/min
Maximum flow rate: 10 Liters/min

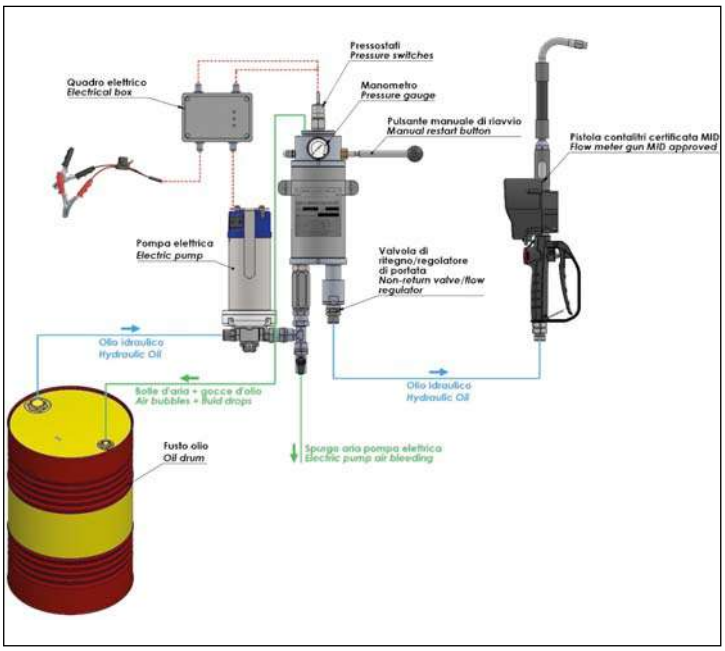
Pressure:
- Minimum operating pressure at the delivery gun: 1 bar (carrier fluid pressure)
- Maximum operating pressure at the delivery gun: 20 bar (carrier fluid pressure)
- Maximum operating pressure at suction at the air elimination device: 40 bar (carrier fluid pressure)

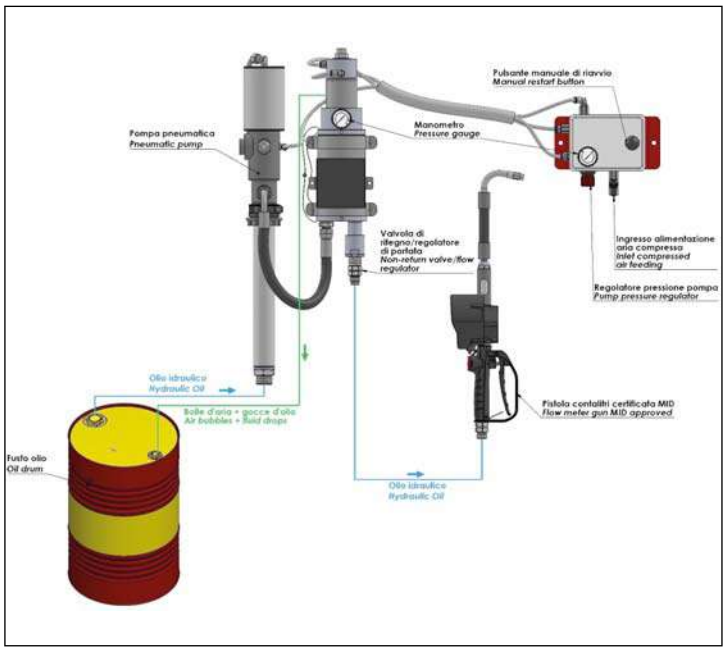
MID UREA SYSTEMS

Reg. No **MID 156_B_1**

First release **2019-08-07**

MEASUREMENT SYSTEM	DISPENSING GUN TYPE		
	2736	6724	6729
Art.no. 6786 MID	–	X	X
Art.no. 6730 MID	–	X	X
Art.no. 6731 MID	X	–	–
Art.no. 6752 MID	X	–	–











The **European Directive 2014/32/EU** better known as Directive **MID** (Measuring Instruments Directive), is a community norm responding to reasons of public interest, safety and order, protection of the environment and the consumer, of levying taxes and duties and of fair trading. All these points affect directly and indirectly the daily life of citizens in many ways and require certified measuring systems subject to legal verification.



The **MID MI-005** involves measuring systems for continous and dynamic measurement of quantities of liquids other than water, among those also AdBlue®/DEF/AUS32.

The Flexbimec flow meter for AdBlue® series "MIDBlue" complies with metrological standards and requirements concerning accuracy defined in the a.m. Directive and can be used therefore as approved meters also in fiscal transactions.



MIDBlue Counter

Art.no. **2736P**

Electronic oval gears flow meter for AdBlue(simbolomarchioregistrato), **approved for fiscal transactions according to MID Directive 2014/32/EU,** with rubber protection guard, plastic control gun, 1/2" BSP (M) stainless steel inlet swivel, fluid flow transparent control tube, Ø16 mm stainless steel rigid outlet and stainless steel automatic anti-drip nozzle.

RATED OPERATING CONDITIONS	
Type of fluid	DEF / Urea Solution / Windshield fluid / Anti-freeze fluid
Flow rate range	Qmin 0.5 L/min ÷ Qmax 10 L/min
Minimum measurable quantity (MMQ)	0.5 l
Accuracy class	0.5
Climatic environment class	- 10° C / + 40°C
Working pressure	1 – 4 bar
Display division	0.001 l
Mechanical environment class	M1
Electromagnetic environment class	E2
Checksum code	cksum E57E
Protection category	IP 64
Underlying CE Directives	2004/108/CE - 2006/95/CE
Underlying CE norms	CEI EN 61000-4-2 CEI EN 61000-4-2 A1 CEI EN 61000-4-2 A2 CEI EN 61000-4-3
Single operations data storing capacity	2000 data records
Composition of storable single operations data	- Serial number of single dispense - Year of dispense - Month and day of dispense - Time of dispense - Dispensed quantity of single operation - Absolute total of dispensed quantities

Conformity assessment Art. 17 modules **B+D**


CERTIFICATE

kiwa

EU Type examination certificate (Module B)

FLEXBIMEC INTERNATIONAL S.r.l.

CERTIFICATE

kiwa

Quality Assurance System Certificate (Module D)

FLEXBIMEC INTERNATIONAL S.r.l.

Type Approval certificate MID 89_B_2 - rev. 1

Pneumatic and electric dispensing units for AdBlue® equipped with **MID approved** flow meter and an automatic air elimination device for discharging any air in the circuit. Both configurations comply with the metrological standards and accuracy required by **Directive 2014/32/EU** and can therefore be used for commercial transactions.

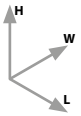
The following AdBlue® distribution kits are equipped with a support plate for easy application both on walls and on tanks.



Art.no. **6752MID**

Pneumatic dispensing unit for AdBlue® **MID approved**, composed of: pneumatic pump, air elimination device, pulse dampener, pressure regulator, Ø1/2" - 3 m flexible EPDM hose and dispensing gun with digital flow meter.

Art. no.	Compressed air supply	Max outlet pressure	Max. delivery	Weight	Dimensions (LxWxH) (mm)
6752MID	2-4 bar	4 bar	10 l/min	12 kg	400x370x250



The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.



Art.no. **6730MID**

Electric dispensing unit for AdBlue® **MID approved**, composed of: 230 VAC - 370 W electric pump Art.no. 6132, air elimination device, pulse dampener, pressure switch, Ø1/2" - 3 mt. flexible EPDM hose, digital flow meter MID approved and automatic dispensing gun.

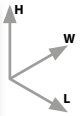
Art.no. **6731MID**
Dispensing unit like Art.no. 6730MID but with a 12VDC electric pump art.no. 1052.

Art.no. **8854**
Thermal printer, prints individual dispensing reports.





Art. no.	Voltage	Current drain	Power	Outlet pressure	Max. delivery	Weight	Dimensions (LxWxH) (mm)
6730MID	230 VAC - 50 Hz	3,8 A	370 W	4 bar	10 l/min	13 kg	400x370x250
6731MID	12 VDC	6 A				10 kg	



The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.

MID

Speedy Blue MID

Electric mobile dispensing unit for AdBlue® suitable for 60 L and 200 L drums, equipped with **MID approved** flow meter for commercial transactions.

The system is composed of a 12 Vdc stainless steel pump, an automatic air elimination device, a pressure switch for pump block, Ø 1/2" L. 2m delivery hose, dispensing gun with automatic stop, electronic flow meter and printer for issuing the receipt with the dispensing data.

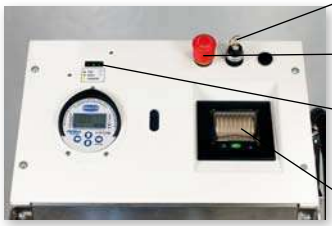
The unit has been developed to be **completely autonomous** thanks to a long-lasting internal 12 Vdc battery and complete with a specific 230 VAC battery charger.





High-precision, electronic oval gears flow meter **approved for fiscal transactions according to MID Directive 2014/32 / EU.**

Displays all the data of each single dispense (quantity, date/time, progressive number) and records up to 2000 data, which are easily accessible in case of subsequent checks.



System key switch to prevent unauthorized dispenses.

Emergency button.

Battery charge indicator.

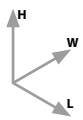
Thermal printer, performs the printing of individual reports of all the data at the end of each dispense.

Conformity assessment Art. 17 module **B+D**



Type Approval MID 156_B_1 - rev. 0

Art. no.	Suitable for drums of	Max. delivery	Max outlet pressure	Voltage	Current drain	Weight	Dimensions (LxWxH) (mm)
6786MID	200 l	10 l/min	4 bar	12 VDC	36 A	96 kg	650 x 900 x 1150



The preset pressure and delivery values are self-limiting in order to fully comply with the requirements of the type approval.

FLEXBIMEC pneumatic grease pumps are a well - proven product line since many years.
The brass and aluminum alloy pneumatic motor assures a reliable use and a simple maintenance.

The pumping system includes a rod in hardened steel, suitable also for heavy duty applications.
The gaskets and seals are suitable for the use with almost all multipurpose greases on the basis of mineral oil from viscosity NLGI 000 up to NLGI 3.

The **VISCOSITY** of a fluid describes its capability to resist the movements of its particles.

The **COMPRESSION RATIO** describes the ratio between the surface of the piston inside of the pump motor and the surface of the piston that is pumping the fluid. The bigger this value is, the higher is the outlet pressure of the fluid.
Since greases are mixtures of mineral oils and soaps (dense, inorganic substances) and therefore have a high viscosity, it is necessary to use pumps for the dispensing that have a high compression ratio such as 50:1 – or 100:1 – pumps.



10:1

7.8 kg/min. - 80 bar

Transfer and filling at short distance.
(see page 23)



25:1

5.1 kg/min. - 200 bar

Transfer and filling at short distance with high viscosity.
(see page 23)



45:1

6.3 kg/min. - 360 bar

Transfer and filling at short distance with high viscosity.
(see page 23)



50:1

2.9 kg/min. - 400 bar

Standard model.
Dispensing of grease at short and medium distances or for high pressure lubrication.
(see page 24)



100:1

2.7 kg/min. - 800 bar

Dispensing of grease at long distances or for high pressure lubrication.
(see page 25)



TWDE

3.8 kg/min. - 800 bar

Increased delivery at high and very high pressure.
(see page 26)



POWER BULL

22 kg/min. - 56 bar

Industrial application: supply of grease under demanding conditions at high pressure and/or with a high delivery.
(see pages 27-28)

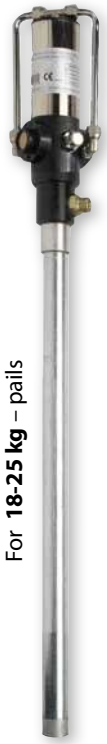


POWER BULL DIVORCED

Pumps for the supply of grease under demanding conditions at high pressure and/or with a high delivery. The motor and the pumping assembly are separated to avoid any potential fluid contamination.
(see page 29)

Pneumatic pumps for the transfer of grease or high viscosity oils at a constant pressure.

10:1



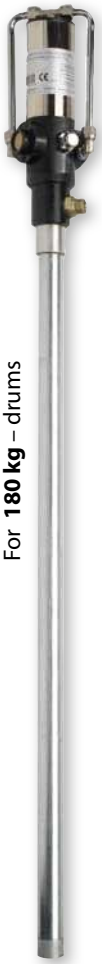
For **18-25 kg** – pails

Art.no. **4043/20**



For **50 kg** – drums

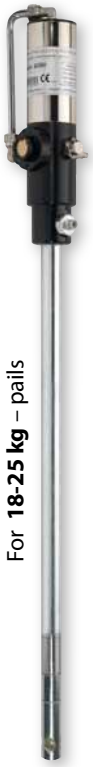
Art.no. **4043/60**



For **180 kg** – drums

Art.no. **4043/180**

25:1



For **18-25 kg** – pails

Art.no. **4022**



For **50 kg** – drums

Art.no. **4062**



For **180 kg** – drums

Art.no. **4082**

45:1



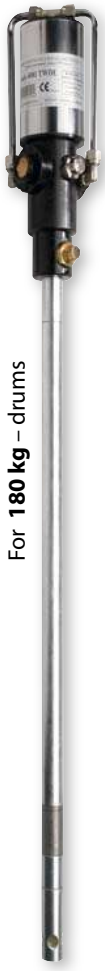
For **18-25 kg** – pails

Art.no. **4083/20**



For **50 kg** – drums

Art.no. **4083/60**

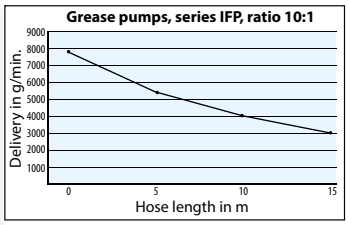


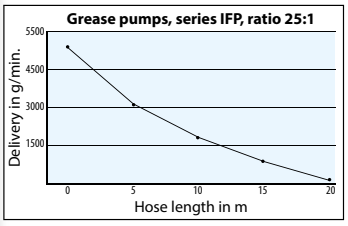
For **180 kg** – drums

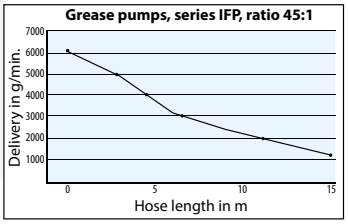
Art.no. **4083/180**

See accessories on pages 55 - 63!

Art. no.	4043/20	4043/60	4043/180	4022	4062	4082	4083/20	4083/60	4083/180
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			Pressure min 2 - max 8 bar (30 - 116 psi)			Pressure min 2 - max 8 bar (30 - 116 psi)		
Compression ratio	10:1			25:1			45:1		
Outlet pressure	80 bar (1200 psi)			200 bar (2900 psi)			360 bar (5200 psi)		
Delivery	7800 g/min			5100 g/min			6300 g/min		
Connection compressed air	3/8" BSP (F)			1/4" BSP (F)			3/8" BSP (F)		
Connection lubricant outlet	1/2" BSP (M)			1/2" BSP (M)			1/2" BSP (M)		
Max air consumption with 8 bar pressure	165 l/min			78 l/min			165 l/min		
Length suction tube	450 mm	750 mm	950 mm	450 mm	750 mm	950 mm	450 mm	750 mm	950 mm
Diameter suction tube	33 mm			28 mm			28 mm		
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x690	95x95x780	95x95x1005	95x95x690	95x95x780	95x95x1005
Suitable for pails / drums of	18 - 25 kg	50 kg	180 kg	18 - 25 kg	50 kg	180 kg	18 - 25 kg	50 kg	180 kg
Weight	4.5 kg	5.3 kg	5.7 kg	4.2 kg	5 kg	5.6 kg	4.4 kg	5.2 kg	5.8 kg







The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Pneumatic pumps for the use in short and medium distance dispensing lines or for high pressure lubrication.

50:1



For **16 kg** – pails

Art.no. **4018**



For **18/25 kg** – pails

Art.no. **4020**



For **50 kg** – drums

Art.no. **4060**

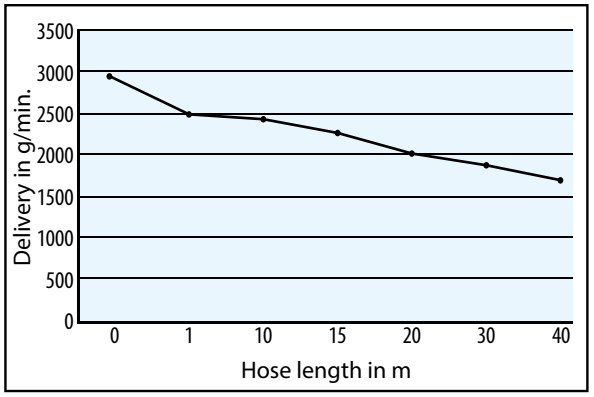


For **180 kg** – drums

Art.no. **4080**

See accessories on pages 55-63!

Art. no.	4018	4020	4060	4080
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	50:1			
Outlet pressure	400 bar (5800 psi)			
Delivery	2900 g/min			
Connection compressed air	1/4“ BSP (F)			
Connection lubricant outlet	1/4“ BSP (M)			
Max air consumptionwith 8 bar pressure	78 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.8 kg	4.5 kg	5 kg	5.6 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2”.

Pneumatic pumps for the use in long distance dispensing lines or for high pressure lubrication.

100:1



For **16 kg** – pails

Art.no. **4019**



For **18/25 kg** – pails

Art.no. **4021**



For **50 kg** – drums

Art.no. **4061**

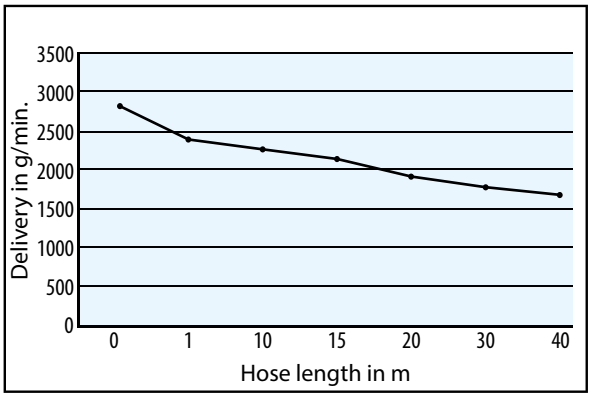


For **180 kg** – drums

Art.no. **4081**

See accessories on pages 55-63!

Art. no.	4019	4021	4061	4081
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	100:1			
Outlet pressure	800 bar (11600 psi)			
Delivery	2700 g/min			
Connection compressed air	1/4" BSP (F)			
Connection lubricant outlet	1/4" BSP (M)			
Max air consumption with 8 bar pressure	110 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.8 kg	4.2 kg	5 kg	5.6 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Pneumatic pumps for the dispensing of grease – particularly high viscosity grease - or for high pressure lubrication and a use in long distance dispensing lines. The TWDE series pumps combine a high compression ratio with an innovative constructional concept that permits to increase the delivery of the pump considerably. The escape of compressed air is improved by the use of a double distributor which at the same time reduces the formation of condensation water inside of the pump motor.

100:1



For **16 kg** – pails

Art.no. **4019TWDE**



For **18/25 kg** – pails

Art.no. **4021TWDE**



For **50 kg** – drums

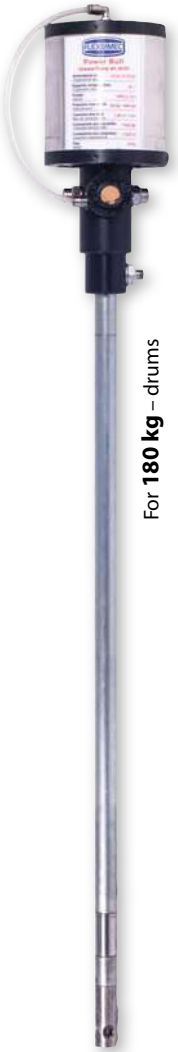
Art.no. **4061TWDE**



For **180 kg** – drums

Art.no. **4081TWDE**

250:1

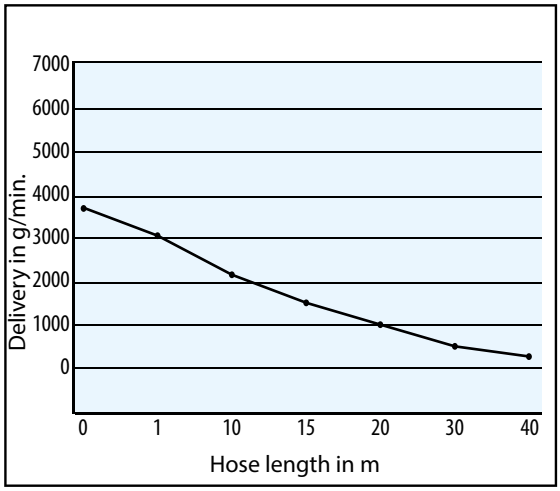


For **180 kg** – drums

Art.no. **4025**

See accessories on pages 55-63!

Art. no.	4019 TWDE	4021 TWDE	4061 TWDE	4081 TWDE	4025
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)				Max 5 bar
Compression ratio	100:1				250:1
Outlet pressure	800 bar (11600 psi)				1100 bar
Delivery	3800 g/min				800 g/min
Connection compressed air	3/8" BSP (F)				1/4" BSP (F)
Connection lubricant outlet	1/2"BSP (M)				1/4" BSP (M)
Max air consumption with 8 bar pressure	165 l/min				-
Length suction tube	335 mm	450 mm	750 mm	950 mm	
Diameter suction tube	28 mm				
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250	130x130x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg	
Weight	3.9 kg	4.3 kg	5.1 kg	5.7 kg	9.0 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Heavy duty pneumatic pumps, industrial pump series Power Bull, designed for the supply of grease under demanding conditions. Particularly suitable for the grease distribution in pipeworks and installations where a simultaneous supply of grease is required on different dispensing points at high pressure and/or with a high delivery.



Art.no. **4046**



Art.no. **4047**

Art.no. 4046

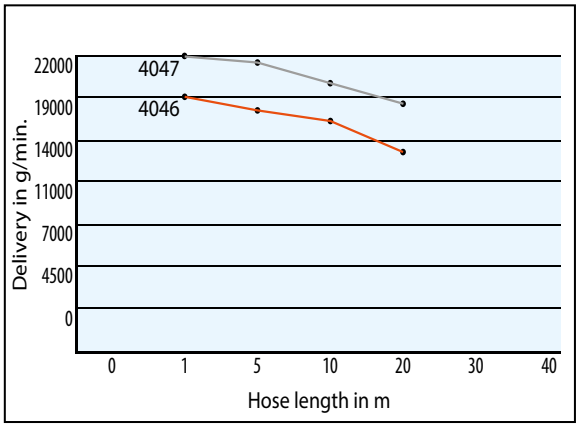
Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	19.00	18.00	18.00	18.00	104
5	18.00	16.00	13.20	11.00	96
10	17.50	14.90	12.60	9.10	70
20	13.80	11.10	7.60	6.90	49

Art.no. 4047

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	22.00	21.00	21.00	21.00	56
5	21.50	20.00	16.90	14.20	38
10	20.00	18.40	15.00	12.10	20
20	18.60	17.00	10.20	7.40	14

See accessories on pages 55-63!

Art. no.	4046	4047
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)	
Compression ratio	13:1	7:1
Max outlet pressure	104 bar (1500 psi)	56 bar (812 psi)
Delivery	19000 g/min	22000 g/min
Max frequence strokes/min	60	120
Connection compressed air	1/2" BSP (F)	
Connection lubricant outlet	1" BSP (M)	
Max air consumption with 8 bar pressure	1.80 m^3/min	1.92 m^3/min
Diameter pneumatic piston	160 mm	125 mm
Diameter suction tube	70x50 mm	70x50 mm
Suitable for pails / drums of	180 kg	180 kg
Weight	26 kg	22 kg



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.



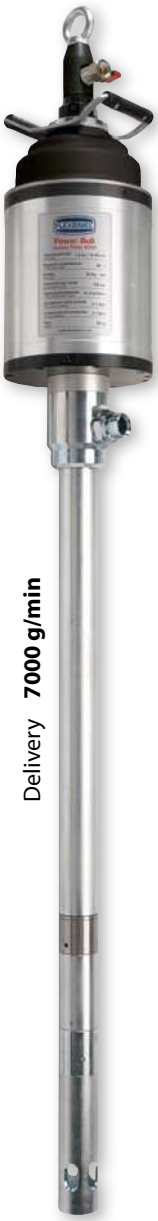
Delivery **15000 g/min**

Art.no. **4048**



Delivery **10000 g/min**

Art.no. **4049**



Delivery **7000 g/min**

Art.no. **4050**



Delivery **4900 g/min**

Art.no. **4051**

See accessories on pages 55-63!

Art. no.	4048	4049	4050	4051
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	30 : 1	50 : 1	90 : 1	75 : 1
Max outlet pressure	240 bar (3500 psi)	400 bar (5800 psi)	720 bar (10450 psi)	600 bar (8700 psi)
Delivery	15000 g/min	12000 g/min	7000 g/min	4900 g/min
Max frequence strokes/min	150	120	60	60
Connection compressed air	1/2" BSP (F)			
Connection lubricant outlet	1" BSP (M)			
Max air consumption with 8 bar pressure	1.86 m^3/min	1.92 m^3/min	1.80 m^3/min	1.80 m^3/min
Diameter pneumatic piston	100 mm	125 mm	160 mm	160 mm
Diameter suction tube	50x22 mm			
Suitable for pails / drums of	180 kg			
Weight	18 kg	22 kg	24 kg	25 kg

Art. no. 4048

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	15.00	12.70	11.60	9.30	240
5	14.60	10.30	8.50	5.30	200
10	10.50	8.00	6.20	3.80	165
20	8.60	5.20	4.10	3.10	140
30	6.50	4.40	3.80	2.20	130
40	5.30	4.10	3.40	1.70	110
50	4.20	3.80	6.00	0.80	85
70	3.00	2.50	1.80	0.30	60

Art. no. 4049

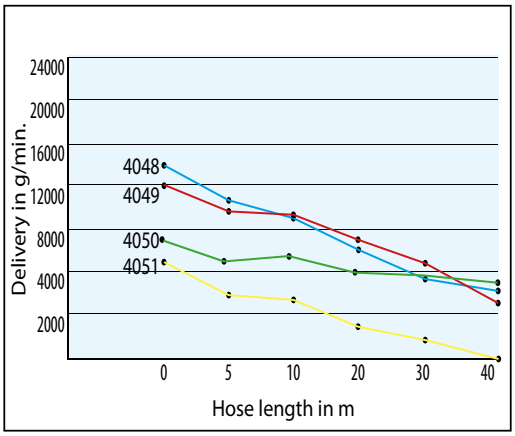
Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	12.00	9.60	8.60	7.80	400
5	11.80	9.00	7.90	5.60	360
10	11.10	8.20	6.70	4.00	240
20	9.50	6.40	4.80	2.30	220
30	7.70	4.70	3.10	2.10	180
40	6.90	3.20	2.50	1.70	150
50	6.50	2.80	2.20	1.40	110
70	6.10	2.50	1.90	0.90	85

Art. no. 4050

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	7.00	6.30	5.70	5.10	720
5	6.80	5.80	5.20	4.10	680
10	6.40	5.30	4.70	3.50	420
20	5.90	4.30	3.50	2.10	400
30	4.80	3.30	2.90	1.90	370
40	4.50	2.90	2.50	1.70	340
50	4.30	2.60	2.20	1.60	250
70	4.00	2.20	2.10	1.30	180

Art. no. 4051

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	4.90	4.70	4.60	3.90	600
5	4.70	4.50	4.10	3.10	580
10	4.30	4.00	3.60	2.50	360
20	4.20	3.70	3.00	1.70	340
30	4.00	2.70	2.20	1.40	320
40	3.80	2.50	1.90	1.20	280
50	3.70	2.20	1.70	1.00	200
70	3.60	1.80	1.60	0.80	120



The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.

The industrial pump series POWER BULL in the divorced version allows the combination of 4 different pneumatic motors with 4 different suction tubes so that 4 different configurations can be composed. In these models the air-operated motor and the pumping assembly are separated in order to avoid any potential fluid contamination of the motor.



50:1

Art.no. **5004**
+
Art.no. **5090**

7:1

Art.no. **5002**
+
Art.no. **5091**



90:1

Art.no. **5005**
+
Art.no. **5092**

13:1

Art.no. **5003**
+
Art.no. **5093**

See accessories on pages 55-63!

Art. no. pneumatic motor	**5004**	**5002**	**5005**	**5003**
Art. no. suction tube	**5090**	**5091**	**5092**	**5093**
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	50 : 1	7 : 1	90: 1	13 : 1
Outlet pressure	400 bar (5800 psi)	56 bar (816 psi)	720 bar (10443 psi)	104 bar (1500 psi)
Delivery	12000 g/min	22000 g/min	7000 g/min	19000 g/min
Max frequence strokes/min	120		60	
Connection compressed air	1/2" BSP (F)			
Connection lubricant outlet	1" BSP (M)			
Max air consumption with 8 bar pressure	1.92 m^3/min		1.80 m^3/min	
Diameter pneumatic piston	125 mm		160 mm	
Dimension suction tube	Outer diameter 50 mm - Piston diameter 22 mm	Outer diameter 70 mm - Piston diameter 30 mm	Outer diameter 50 mm - Piston diameter 22 mm	Outer diameter 70 mm - Piston diameter 30 mm
Dimensions	160x160x1700 mm			
Suitable for drums of	180 kg			
Weight	21 kg	23 kg	25 kg	27 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.

MOTOMATIC® System Patent no. 32188 C/80
In the year 1986 the innovative MOTOMATIC® – system has been developed and patented.
Motomatic® is a pneumatic pumping system which is characterized by the use of a single motor which can be applied on various suction tubes. The pumping system is activated by connecting the motor – which is provided with a quick coupling - to the installed suction tubes that differ depending on the lubricant that shall be pumped.
This solution offers a significant practical and economical advantage for pumping greases, oils, antifreeze or diesel, since it allows the user to leave the various suction tubes installed in the drums and to use the same pneumatic motor for pumping the required lubricant.



Pneumatic motor

Art.no. **5000**

Interchangeable suction tubes



Suction tube for grease **16 kg** – pails

Art.no. **5040**



Suction tube for grease **50 kg** – drums

Art.no. **5060**



Suction tube for grease **180 kg** – drums

Art.no. **5080**
Art.no. **5081**



Suction tube for oil **208 l** – drums

Art.no. **5011**



Suction tube for oil/antifreeze **208 l** – drums

Art.no. **5031**
Oil

Art.no. **5032**
Antifreeze



See accessories on pages 55-63!

Art. no.	5000	5040	5060	5081	5080	5011	5031	5032
Compressed air supply	Pressure 2-8 bar (30 - 116 psi)	-	-	-	-	-	-	-
Compression ratio	-	50 : 1	50 : 1	15 : 1	50 : 1	1 : 1	3 : 1	3 : 1
Outlet pressure	-	400 bar (5800 psi)	400 bar (5800 psi)	120 bar (1740 psi)	400 bar (5800 psi)	8 bar (116 psi)	24 bar (360 psi)	24 bar (360 psi)
Delivery	-	2900 g/min	2900 g/min	7000 g/min	2900 g/min	48 l/min	23 l/min	23 l/min
Connection compressed air	1/4" BSP (F)	-	-	-	-	-	-	-
Connection lubricant outlet	-	1/4" BSP (M)	1/4" BSP (M)	1/2" BSP (M)	1/4" BSP (M)	3/4"BSP (M)	1/2" BSP (M)	1/2" BSP (M)
Max air consumption with 8 bar pressure	115 l/min	-	-	-	-	-	-	-
Length suction tube	-	450 mm	750 mm	950 mm	950 mm	950 mm	950 mm	950 mm
Diameter suction tube	-	28 mm	28 mm	28 mm	28 mm	55 mm	40 mm	40 mm
Dimensions LxWxH (mm)	95x95x420	30x31x550	30x31x850	30x31x1050	30x31x1050	30x31x1050	30x31x1050	30x31x1050
Suitable for pails / drums of	-	25 kg	50 kg	180 kg	180 kg	208 l	208 l	208 l
Weight	3.5 kg	1 kg	1.3 kg	1.5 kg	1.5 kg	2.1 kg	1.9 kg	1.9 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 and hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.

FLEXBIMEC presents a new range of **electrically driven pumps** for high-pressure grease transfer and lubrification, with high performance in order to meet the needs of lubrication where only electric current is available.
A complete range is available with 12/24 VDC, 230 VAC single-phase, 230/380 VAC three-phase motors; these are suitable for different drums size, from 16-25 kg, 50 kg to 180 kg.
FLEXBIMEC electric pumps are extremely adaptable, and they find application both where **rapid transfer** and short distance filling are required, up **to high pressure** pumps for long distance grease distribution or forced lubrication.
The line is completed with **the portable 12/24 VDC pump**, slight and easy to handle, in order to support the operations in centralized lubrication, like: wind turbines, garages, production areas, mining vehicles and general equipment.
All pumps offer the possibility to easily switch between different lengths of suction tubes and are also provided with a relief valve and can be used in mobile applications thanks to **FLEXBIMEC** electric grease wheeled dispensing kit.



230 Vac Single-phase

Art.no. 4092/x
400 g/min. - 300 bar

HIGH PRESSURE
(see page 32)



230 Vac Single-phase

Art.no. 4093/x
1200 g/min. - 100 bar

HIGH PRESSURE
(see page 32)



230 Vac Single-phase

Art.no. 4094/180
4000 g/min. - 50 bar

FOR GREASE TRANSFER
(see page 33)



230/380 Vac Three-phase

Art.no. 4095/x
400 g/min. - 400 bar

HIGH PRESSURE
(see page 34)



230/380 Vac Three-phase

Art.no. 4096/x
1200 g/min. - 200 bar

HIGH PRESSURE
(see page 34)



230/380 Vac Three-phase

Art.no. 4097/180
8000 g/min. - 70 bar

FOR GREASE TRANSFER
(see page 35)



230/380 Vac Three-phase

Art.no. 4098/180
4000 g/min. - 70 bar

FOR GREASE TRANSFER
(see page 35)



12/24 Vdc

Art.no. 4090/x - 4091/x
100 g/min. - 200 bar

HIGH PRESSURE
(see page 36)



12 Vdc

Art.no. 4099/x
100 g/min. - 250 bar

HIGH PRESSURE
(see page 37)



24 Vdc

Art.no. 4100/x
100 g/min. - 250 bar

HIGH PRESSURE
(see page 37)



OPTIONAL
Bung adapter
Art.no. **4327**
Lock ring for bung adapter
Art.no. **4348**

Easy disassembly and change of suction tubes.
WATCH THE VIDEO.

ELECTRICAL SAFETY PANEL 230 VAC SINGLE-PHASE

OPTIONAL

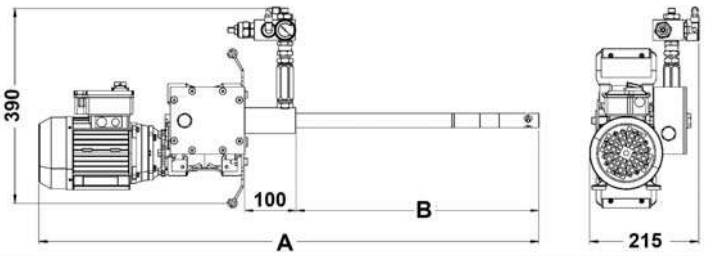


Art.no. **7370+4265**
Plastic electrical safety panel which allows the stop of the pump at the end of the delivery.
This kit includes the adjustable pressure switch art.no. 4265.

Art.no.	Dimensions	Weight	Ampere	Frequency	Protection
7370 + 4265	195x150x170(h) mm	3 kg	4 A	50 Hz	IP 55

Art.no. **4092/20** Art.no. **4093/20**
Art.no. **4092/50** Art.no. **4093/50**
Art.no. **4092/180** Art.no. **4093/180**

Electric pumps **230 VAC single-phase 50 Hz** (upon request 60 Hz), designed for grease distribution or forced lubrication in demanding centralized applications where the power supply is available. These pumps offer the possibility to easily switch between different lengths of suction tubes and are also provided with a relief valve.
Optional: Electric panel and pressure switch, aluminum bung adapter to fix the pump ø 28 mm - art.no. 4327, aluminum lock ring for bung adapter ø 28 mm art.no. 4348.



Art.no.	Voltage	Engine revolutions reduction ratio	Total length **(A)**	Suction tube length **(B)**	Suction tube dimensions	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
4092/20	230 VAC single-phase 50 Hz	7.5:1	985	480 mm	**Outer diameter 28 mm** **Piston diameter 14 mm**	300 bar (4351 psi)	**400 g/min**	1400	0.75 kW	18 - 25 kg	20 kg
4092/50			1245	740 mm						50 kg	21 kg
4092/180			1450	950 mm						180 kg	22 kg
4093/20			985	480 mm	**Outer diameter 28 mm** **Piston diameter 16 mm**	100 bar (1450 psi)	**1200 g/min**			18 - 25 kg	20 kg
4093/50			1245	740 mm						50 kg	21 kg
4093/180			1450	950 mm						180 kg	22 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C



OPTIONAL
Bracket
Art.no. **2214/50**

ELECTRICAL SAFETY PANEL 230 VAC SINGLE-PHASE

OPTIONAL



Adjustable pressure switch
Art.no. **4265**

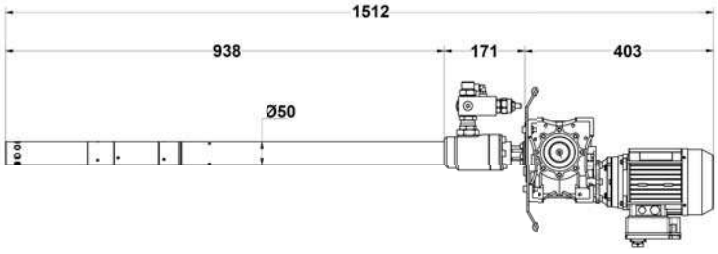
Art.no. **7370+4265**
Plastic electrical safety panel which allows the stop of the pump at the end of the delivery.
This kit includes the adjustable pressure switch art.no. 4265.

Art.no.	Dimensions	Weight	Ampere	Frequency	Protection
7370 + 4265	195x150x170(h) mm	3 kg	4 A	50 Hz	IP 55

Art.no. **4094/180**

Electric pump **230 VAC single-phase 50 Hz** (upon request **60 Hz**) for grease transfer in centralized applications where power supply is available. The pump is also provided with a relief valve.

Optional:
- Electrical panel and pressure switch
- Pivoting wall bracket art.no. 2214/50.



Art.no.	Voltage	Engine revolutions reduction ratio	Suction tube dimensions	Suction tube length	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
4094/180	230 VAC single-phase 50 Hz	7.5:1	**Outer diameter 50 mm** **Piston diameter 30 mm**	950	50 bar (725 psi)	**4000 g/min**	1400	1.1 kW	180 kg	26 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C



OPTIONAL
Bung adapter
Art.no. **4327**
Lock ring for bung adapter
Art.no. **4348**

Easy disassembly and change of suction tubes.
WATCH THE VIDEO.

ELECTRICAL SAFETY PANEL 230 VAC / 380 VAC THREE-PHASE

OPTIONAL



Adjustable pressure switch
Art.no. **4265**

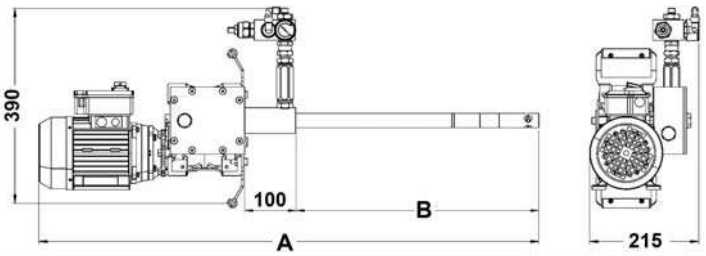
Art.no. **7370T+4265**
Art.no. **7377+4265**

Metal electrical safety panel 230 VAC (Art.no. 7370T) or 380 VAC (Art.no. 7377) which allows to stop of the pump at the end of the dispensing operation.
This kit includes the pressure switch.

Art.no.	Dimensions	Alim.	Weight	Ampere	Frequency	Protection
7370T	600x400x280(h) mm	230 V	10 kg	4 A	50 Hz	IP 55
7377		380 V				

Art.no. **4095/20** Art.no. **4096/20**
Art.no. **4095/50** Art.no. **4096/50**
Art.no. **4095/180** Art.no. **4096/180**

Electric pumps **230VAC / 380 VAC three-phase 50 Hz** (upon request **60 Hz**), designed for grease distribution or forced lubrication in demanding centralized applications where the power supply is available. These pumps offer the possibility to easily switch the different lengths of suction tubes and are also provided with a relief valve.
Optional: electric panel and pressure switch, ø 28 mm Aluminum drum bung adapter Art.no. 4327,ø 28 mm Aluminum lock ring Art.no. 4348.



Art.no.	Voltage	Ampere	Engine revolutions reduction ratio	Total length **(A)**	Suction tube length **(B)**	Suction tube dimensions	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
4095/20	230 VAC / 380 VAC - three-phase - 50 Hz	5,3 (230V) 3,1 (380V)	7,5:1	1025	480	**Outer diameter 28 mm Piston diameter 14 mm**	400 bar (5801 psi)	**400 g/min**	1400	0.75 kW	18 - 25 kg	22 kg
4095/50				1285	740						50 kg	23 kg
4095/180				1490	950						180 kg	24 kg
4096/20			10:1	1025	480	**Outer diameter 28 mm Piston diameter 16 mm**	250 bar (3626 psi)	**1200 g/min**	2850	1.1 kW	18 - 25 kg	22 kg
4096/50				1285	740						50 kg	23 kg
4096/180				1490	950						180 kg	24 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C



OPTIONAL
Bracket
Art.no. **2214/50**

ELECTRICAL SAFETY PANEL 230 VAC / 380 VAC THREE-PHASE

OPTIONAL



Adjustable pressure switch
Art.no. **4265**

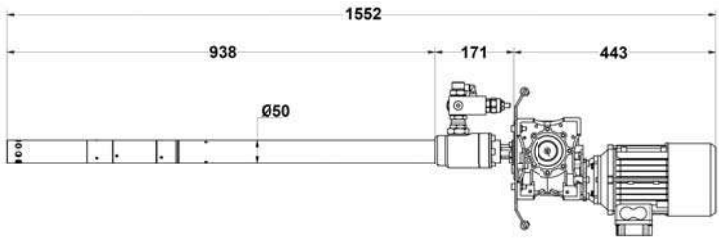
Art.no. **7370T+4265**
Art.no. **7377+4265**
Metal electrical safety panel 230 VAC (Art.no. 7370T) or 380 VAC (Art.no. 7377) which allows to stop of the pump at the end of the dispensing operation.
This kit includes the pressure switch.

Art.no.	Dimensions	Alim.	Weight	Ampere	Frequency	Protection
7370T	600x400x280(h) mm	230 V	10 kg	4 A	50 Hz	IP 55
7377		380 V				

Art.no. **4097/180**
Art.no. **4098/180**

Electric pump **230 VAC / 380 VAC three-phase 50 Hz** (upon request **60 Hz**) for grease transfer in centralized applications where power supply is available. These pumps offer the possibility to easily switch the different lengths of suction tubes and are also provided with a relief valve.

Optional:
- Electrical panel and pressure switch
- Pivoting wall bracket Art.no. 2214/50



Art.no.	Voltage	Engine revolutions reduction ratio	Suction tube dimensions	Suction tube length	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
4097/180	230 VAC / 380 VAC - three-phase - 50 Hz	7.5:1	**Outer diameter 50 mm** **Piston diameter 30 mm**	950	70 bar (1015 psi)	**8000 g/min**	2800	1.1 kW	180 kg	27 kg
4098/180						**4000 g/min**	1400	0.75 kW		26 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C



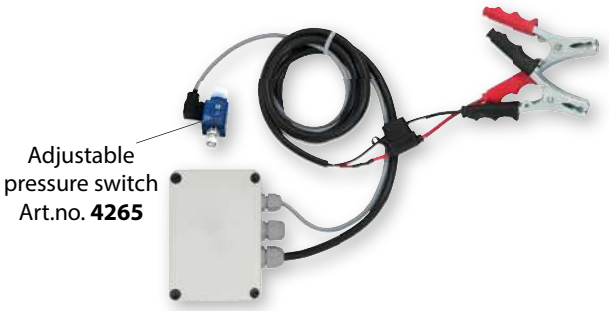


OPTIONAL
Bung adapter
Art.no. **4327**
Lock ring for bung adapter
Art.no. **4348**

Easy disassembly and change of suction tubes.
WATCH THE VIDEO.

ELECTRICAL SAFETY PANEL 12/24 VDC FOR PUMPS ART.NO. 4090 AND ART.NO. 4091

OPTIONAL



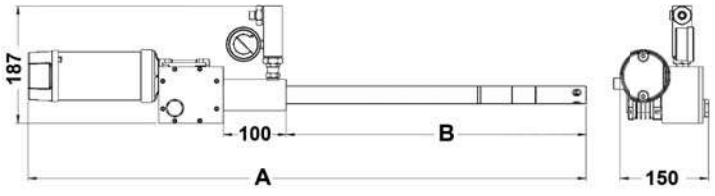
Art.no. **7378+4265**
Art.no. **7384+4265**
Electrical safety panel for 12/24 VDC models, including battery clamps and relief valve. Adjustable pressure up to 200 bar.
It allows to activate the pump while operating on the delivery gun and to stop it when the pressure reaches the set threshold.

Art.no.	Dimensions	Voltage	Weight	Protection
7378+4265	180x95x95 (h) mm	12 Vcc	1 kg	IP 55
7384+4265		24 Vcc		

Art.no. **4090/20**
Art.no. **4090/50**
Art.no. **4090/180**
Art.no. **4091/20**
Art.no. **4091/50**
Art.no. **4091/180**

12VDC and **24VDC** electric pumps (respectively 4090 and 4091 series), designed for grease distribution or forced lubrication in demanding centralized applications where the power supply is available. The pumps are also provided with a relief valve.

Optional:
- Electrical panel and pressure switch
- ø 28 mm Aluminum drum bung adapter art.no. 4327
- ø 28 mm Aluminum lock ring art.no. 4348.



Art.no.	Voltage	Engine revolutions reduction ratio	Total length **(A)**	Suction tube length **(B)**	Suction tube dimensions	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
4090/20	12 Vdc	20 : 1	890 mm	480 mm	**Outer diameter 28 mm** **Piston diameter 14 mm**	200 bar (2900 psi)	**100 g/min**	3400	250 W	18 - 25 kg	12 kg
4090/50			1150 mm	740 mm						50 kg	13 kg
4090/180			1360 mm	950 mm						180 kg	14 kg
4091/20	24 Vdc		890 mm	480 mm						18 - 25 kg	12 kg
4091/50			1150 mm	740 mm						50 kg	13 kg
4091/180			1360 mm	950 mm						180 kg	14 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C



Special lengths upon request.
Easy disassembly and change of suction tubes.



LIGHTWEIGHT AND HANDY

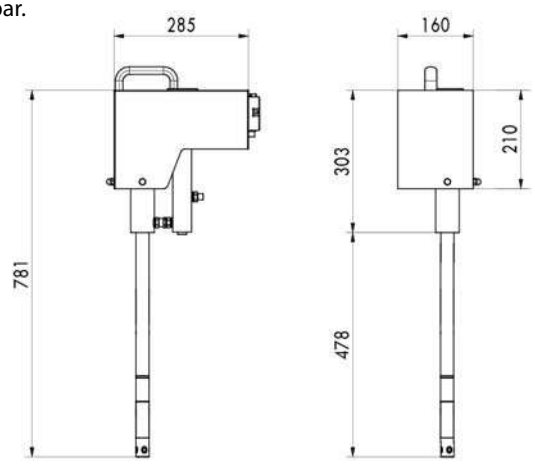
SUITABLE FOR:

- **wind turbines**
- **garages**
- **productions areas**
- **mining and construction vehicles**

Art.no. **4099/20**
Art.no. **4099/50**
Art.no. **4099/180**

Art.no. **4100/20**
Art.no. **4100/50**
Art.no. **4100/180**

12 VDC and **24 VDC portable** electric pumps (respectively 4099 and 4100 series), designed for grease distribution or forced lubrication in demanding centralized applications where the power supply is available. Designed to be easy to handle and transport, the pump is also provided with a relief valve, adjustable up to 250 bar.



Equipped with:
- Adjustable pressure switch;
- MAX 250 bar overpressure valve;
- Exhaust valve.

Optional:
- Drum cover in galvanized steel;
- Follower plate with rubber diaphragm.

Art.no.	Voltage	Ampere	Engine revolutions reduction ratio	Suction tube dimensions	Suction tube length	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
4099/20	12 Vdc	25 A	20:1	**Outer diameter 28 mm** **Piston diameter 14 mm**	480 mm	250 bar (3626 psi)	**100 g/min**	3400	250 W	18 - 25 kg	16 kg
4099/50										50 kg	
4099/180										180 kg	
4100/20	24 Vdc									18 - 25 kg	
4100/50										50 kg	
4100/180										180 kg	

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C

Electric kit for grease distribution for drums of different sizes are suitable in any work environment thanks to the handy trolley.



Art.no. **4998/30**
Art.no. **4998/60**

Trolley
Art.no. **4392**



Not included

Art.no. **4998/180**

Trolley
Art.no. **4389**

ELECTRICAL SAFETY PANEL 230 VAC SINGLE-PHASE

OPTIONAL



Adjustable pressure switch
Art.no. **4265**

Art.no. **7370+4265**
Plastic electric safety panel which allows the stop of the pump at the end of the delivery. This kit includes the adjustable pressure switch art.no. 4265.

Art.no.	Dimensions (mm)	Weight	Ampere	Frequency	Protection
7370+4265	195x150x170(h)	3 kg	4 A	50 Hz	IP 55

Kit base composition:

- electric pump (art.no. 4092);
- rubber hose SAE 100 R2 AT, 1/4" BSP length 3 m (art.no. 4503);
- gun with flexible hose – length 300 mm - ø10mm and four-jaws fitting (art.no. 4205);
- triple swivel joint (art.no. 4221).

Art.no. **4998/30**

Mobile greasing kit, with electric engine pump 230 VAC **single-phase, for 18-25 kg drums** with base composition and:

- drum cover ø 330-290 mm (art.no. 4302)
- vulcanized follower plate ø 310-260 mm (art.no. 4314VU)
- trolley with 4 rotating wheels (art.no. 4392).

Art.no. **4998/60**

Mobile greasing kit, with electric engine pump 230 VAC single-phase, **for 50 kg drums** with base composition and:

- drum cover ø 400-360 mm (art.no. 4305)
- vulcanized follower plate ø 390-325 mm (art.no. 4317VU)
- trolley with 4 rotating wheels (art.no. 4392).

Art.no. **4998/180**

Mobile greasing kit, with electric engine pump 230 VAC single-phase, **for 180 kg drums** with base composition and:

- drum cover ø 600-560 mm (art.no. 4308)
- vulcanized follower plate ø 590-540 mm (art.no. 4319VU)
- trolley with 4 special rotating wheels suitable for uneven floors (art.no. 4389).

Art.no.	Voltage	Ampere	Engine revolutions reduction ratio	Suction tube dimensions	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
4998/30	230 VAC - 50 Hz single-phase	5.21 A	7.5 : 1	**Outer diameter 28 mm Piston diameter 14 mm**	300 bar	**400 g/min**	1400	0.75 kW	18 - 25 kg	51 kg
4998/60									50 kg	52 kg
4998/180									180 kg	67 kg

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C



Art.no. **4260**

Pressure relief valve.
Body in aluminium alloy and cartridge in galvanized steel.
Supplied with a glycerine manometer with graduation of 0 – 300 bar and regulation screw for the selection of the required maximum pressure.
Connections (BSP): inlet 1/2" (F) – outlet 1/2" (M).



Art.no. **4265**

Adjustable pressure switch with plug for a possible connection of an electric safety panel.

This assembly allows to start the pump once the control gun is activated and to stop it again due to the pressure increase in the circuit once the gun is closed and the set pressure has been achieved.

Art.no. **7370+4265**
230 V - 1ph



Art.no. **7370+4265**

Plastic electrical safety panel 230 Vac single-phase which allows the stop of the pump at the end of the delivery.

The kit includes:
- Adjustable pressure switch art. no. 4265
- ON/OFF - switch
- Emergency button
- White network emergency warning
- Green indicator light
- Red stop light for overheating
- Plug conforms to EC 7/7 standard.

Art.no. **7370T+4265**
230 V - 3ph



Art.no. **7370T+4265**

Metal electrical safety panel 230 Vac three-phase, which allows to stop the pump at the end of the dispensing operation. This kit includes the pressure switch art. no. 4265.

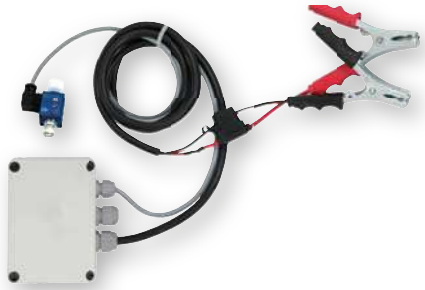
Art.no. **7377+4265**
380 V - 3ph



Art.no. **7377+4265**

Metal electrical safety panel 380 Vac three-phase, which allows to stop the pump at the end of the dispensing operation. This kit includes the pressure switch art. no. 4265.

Art.no.	Dimensions	Alimentation	Weight	Ampere	Frequency	Protection
7370+4265	195x150x170(h)	230 VAC	3 kg	4 A	50 Hz	IP 55
7370T+4265	600x400x280(h) mm		10 kg			
7377+4265		380 VAC				



Art.no. **7378+4265**

Electrical safety panel for 12 Vdc models, including battery clamps and relief valve. Adjustable pressure up to 200 bar.
It allows to activate the pump while operating on the delivery gun and to stop it when the pressure reaches the set threshold.

Art.no. **7384+4265**

Electrical safety panel like art. no. 7378+4265 but for 24 Vdc models.

Art.no.	Dimensions	Alimentation	Weight	Protection
7378+4265	180x95x95 (h) mm	12 VDC	1 kg	IP 55
7384+4265		24 VDC		

Complete pneumatic grease supply kit, suitable for any kind of inside or outside use.
Max pressure achievable: 400 bar.



Art.no. **4922**

Portable and mobile pneumatic grease supply kit with 16 kg – steel pail, consisting of:

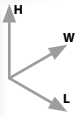
- Pneumatic grease pump, art. no. 4020;
- Pressure regulator, art. no. 7200;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503;
- High pressure grease control gun, with 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
- High pressure Z – swivel, art. no. 4221;
- Vulcanized follower plate ø 230 mm;
- Steel pail with 2 wheels and carrying handle.



Art.no. **4925**

Portable and mobile pneumatic grease supply kit such as art. no. 4922, but with pump art. no. 4018 and 5 kg - steel pail.

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4922	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	11 kg	240x390x930
4925	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	10 kg	240x390x890





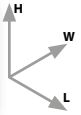
Art.no. **4921**

Portable pneumatic grease supply kit for 18/25 kg - pails, consisting of:

- Pneumatic grease pump, art. no. 4020;
- Pressure regulator, art. no. 7200;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 jaws - hydraulic coupler, art. no. 4205;
- High pressure Z – swivel, art.no. 4221;
- Vulcanized follower plate, ø 310 - 260 mm, art. no. 4314VU*;
- Metal drum cover, ø 330 – 290 mm, art. no. 4302*.

*See accessories on page 61-62 for pails/drums in different dimensions!

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4921	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	11 kg	240x240x890



Complete mobile pneumatic grease supply kit, suitable for 18/25 kg – pails in any kind of inside or outside use.
Max pressure achievable: 400 bar.



Art.no. **4920C**

Mobile pneumatic grease supply kit for 18/25 kg - pails, consisting of:

- Pneumatic grease pump, art. no. 4020;
- Pressure regulator, art. no. 7200;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503;
- High pressure grease control gun, 300 mm – steel braid; outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
- High pressure Z – swivel, art. no. 4221;
- Vulcanized follower plate, ø 310 - 260 mm, art. no. 4314VU*;
- Metal drum cover, ø 330 – 290 mm, art. no. 4302*;
- Trolley with 2 wheels, art. no. 4350.



Art.no. **4920**

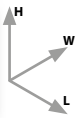
Mobile pneumatic grease supply kit such as art. no. 4920C, but without art. nos. 7200 and 4221.

Art.no. **4920C/FP**

Mobile pneumatic grease supply kit such as art. no. 4920C, but for plastic drum.

*See accessories on page 61-62 for pails/drums in different dimensions!

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4920C	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	15 kg	500x500x960





Art.no. **4920CE**

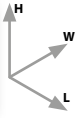
Mobile pneumatic grease supply kit such as art. no. 4920C, but with trolley art. no. 4351.

Art.no. **4920CE/FP**
Mobile pneumatic grease supply kit such as art. no. 4920CE, but for plastic drum.

*See accessories on page 61-62 for pails/drums in different dimensions!



Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4920CE	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	13 kg	500x500x960



Complete mobile pneumatic grease supply kits, suitable for 50 kg – drums in any kind of inside or outside use.
Max pressure achievable: 400 bar.



Art.no. **4960C**

Mobile pneumatic grease supply kit for 50 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 4060;
- Pressure regulator, art. no. 7200;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
- High pressure Z – swivel, art. no. 4221;
- Vulcanized follower plate, ø 390 - 325 mm, art. no. 4317VU*;
- Metal drum cover, ø 400 – 360 mm, art. no. 4305*;
- Trolley with 2 wheels, art. no. 4350.

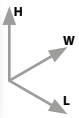
Art.no. **4960**

Mobile pneumatic grease supply kit such as art. no. 4960C, but without art. nos. 7200 and 4221.



*See accessories on page 61-62 for pails/drums in different dimensions!

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4960C	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	16 kg	510x690x690





Art.no. **4980C**

Mobile pneumatic grease supply kit for 50 kg - drums, consisting of:

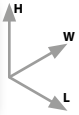
- Pneumatic grease pump, art. no. 4060;
- Pressure regulator, art. no. 7200;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 jaws - hydraulic coupler, art. no. 4205 ;
- High pressure Z – swivel, art. no. 4221;
- Vulcanized follower plate, ø 390 - 325 mm, art. no. 4317VU*;
- Metal drum cover, ø 400 – 360 mm, art. no. 4305*;
- Trolley with 4 wheels, art. no. 4360.

Art.no. **4980**

Mobile pneumatic grease supply kit such as art. no. 4980C, but without art. nos. 7200 and 4221.

*See accessories on page 61-62 for pails/drums in different dimensions!

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4980C	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	18 kg	600x600x1050



Complete mobile pneumatic grease supply kits, suitable for 180 kg – drums in any kind of inside or outside use.
Max pressure achievable: 400 bar.



Art.no. **4990C**

Mobile pneumatic grease supply kit for 180 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 4080;
- Pressure regulator and air filter with moisture separator, art. no. 7180;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
- High pressure Z – swivel, art. no. 4221;
- Vulcanized follower plate, ø 590 - 540 mm, art. no. 4319VU;
- Metal drum cover, ø 600 – 560 mm, art. no. 4308;
- Trolley with 4 wheels, art. no. 4380.

Art.no. **4990**

Mobile pneumatic grease supply kit such as art. no. 4990C, but without art. nos. 7180 and 4221.

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4990C	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	22 kg	900x830x1400



Art.no. **4910**

Mobile pneumatic grease supply kit for 180 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 4080;
- Pressure regulator and air filter with moisture separator, art. no. 7180;
- Open hose reel, art. no. 9016;
- 15 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4515;
- 2 m – connection hose SAE 100 R2 AT, 1/4", art. no. 4502;
- High pressure grease control gun, 300 mm – steel braid outlet hose Ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
- Vulcanized follower plate, ø 590 - 540 mm, art. no. 4319VU;
- Metal drum cover, ø 600 – 560 mm, art. no. 4308;
- Trolley with 4 wheels and mounting bracket for hose reel, art. no. 4385.

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4910	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	72 kg	900x870x1400



Art.no. **4911**

Mobile pneumatic grease supply kit for 180 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 4080;
- Pressure regulator and air filter with moisture separator, art. no. 7180;
- Open hose reel, art. no. 9016;
- 15 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4515;
- 2 m – connection hose SAE 100 R2 AT, 1/4", art. no. 4502;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
- High pressure Z – swivel, art. no. 4221;
- Vulcanized follower plate, ø 590 - 540 mm, art. no. 4319VU;
- Metal drum cover, ø 600 – 560 mm, art. no. 4308;
- Heavy duty trolley with 4 wheels and grate, art. no. 4389.

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4911	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	90 kg	900x1030x1400

Complete stationary pneumatic grease supply kit, suitable for 50 kg and 180 kg – drums in any kind of inside or outside use.
Max pressure achievable: 400 bar.



Art.no. **4961**
Art.no. **4981**

Stationary pneumatic grease supply kits, consisting of:

	4961	4981
Pneumatic grease pump	Art.no. 4060	Art.no. 4080
Metal drum cover	Art.no. 4305 Ø 400-360 mm	Art.no. 4308 Ø 600-560 mm
High pressure hose 1/4", length 4 m	Art.no. 4504	Art.no. 4504
Vulcanized follower plate	Art.no. 4317VU Ø 390x325 mm	Art.no. 4319VU Ø 590x540 mm
High pressure grease control gun with steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler	Art.no. 4205	Art.no. 4205
Pressure regulator and air filter with moisture separator	Art.no. 7180	Art.no. 7180
High pressure Z – swivel	Art.no. 4221	Art.no. 4221

Art. no.	For drums of	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight
4961	50 kg	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	14 kg
4981	180 kg					16 kg



Art.no. **4995**

Stationary pneumatic grease supply kit for 180 kg – drums with hose reel for wall or pillar installation, consisting of:
- Pneumatic grease pump, art. no. 4080;
- Pressure regulator and air filter with moisture separator, art. no. 7180;
- Open hose reel, art. no. 9016;
- 15 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4515;
- 2 m – connection hose SAE 100 R2 AT, 1/4", art. no. 4502;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
- High pressure Z – swivel, art. no. 4221;
- Vulcanized follower plate, Ø 590 - 540 mm, art. no. 4319VU;
- Metal drum cover, ø 600 – 560 mm, art. no. 4308.

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight
4995	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	36 kg



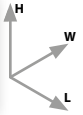
Art.no. **8558**

Stationary pneumatic grease supply kit for 180 kg – drums with hose reel, installed on a "Tank Service Base" unit. Compared to a system installed on the wall, the system which is mounted on the "Tank Service Base" unit also includes a spill containment pallet for the drum storage with a self-supporting structure forming a "lubrication island" that can be placed in any location of a workshop.

The composition is the same as the one of art. no. 4995, but completed by a "Tank Service Base" unit for 1 drum with the self-supporting structure consisting of 2 steel rails and 2 steel panels for the installation of the components (art. no. 8525).

Optional: art. no. 4699 metal 180 kg – drum (empty).

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
8558	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	78 kg	830x880x2360



Greasing equipment with follower plate for FLEXBIMEC pumps with lifting system through pneumatic circuit, activable via control valve. They facilitate the operator's work as:

- **It is possible to pump very viscous greases and at challenging temperatures**
- **Easy drum replacement**
- **Elimination of any air pocket inside the drum**
- **Waste is avoided by scraping all the grease from the walls and bottom of the drum**

It can operate with all pneumatic or electric FLEXBIMEC grease pumps.



Art.no. **4999**

Stationary ram hoist for grease with bedplate, consisting of a special pump lifting device suitable for pneumatic piston grease pumps and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump.

Pump, follower plate and drum cover are not included.



Art.no. **4999/30**
Art.no. **4999/60**
Art.no. **4999/200**

Stationary ram hoist for grease with bedplate, consisting of a special pump lifting device suitable for pneumatic piston grease pumps and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump.

Grease pump of the standard series.

Art.no.	Pump model	Compression ratio	Engine revolutions reduction ratio	Max outlet pressure	Pneumatic circuit pressure	Thrust ratio	Suitable for drums of	Weight	Dimensions (LxWxH) (mm)
4999	-	-	-	-	1 – 3 bar	1 bar = 50 kg pressure	Fino a 180 kg	76 kg	1000 x 800 x 1700 (H max. 3000)
4999/30	4020	50:1	-	400 bar (5800 psi)			18 kg	85 kg	
4999/60	4060						50 kg	110 kg	
4999/200	4080						180 kg	170 kg	



Art.no. **4999/200INP**

Stationary ram hoist for grease with bedplate, consisting of a special pump lifting device suitable for pneumatic piston grease pumps, series POWER BULL, and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump. Suitable for the use with grease pump models art.nos. 4046 – 4047 – 4048 – 4049 – 4050 – 4051.
In the standard version the kit includes a pneumatic 50:1 – grease pump, art.no. 4049.
On demand also available with other pump models.
Suitable for the use with 180 kg – grease drums.



Art.no. **4999/200EL**

Stationary ram hoist for grease with bedplate, consisting of a special pump lifting device suitable for electric piston grease pumps, and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump. Suitable for many pump models.
In the standard version the kit includes an electric grease pump, 230VAC art.no. 4092/180.
On demand also available with other pump models.
Suitable for the use with 180 kg – grease drums.

Art.no.	Pump model	Compression ratio	Engine revolutions reduction ratio	Max outlet pressure	Pneumatic circuit pressure	Thrust ratio	Suitable for drums of	Weight	Dimensions (LxWxH) (mm)
4999/200INP	4049	50:1	-	400 bar (5800 psi)	1 – 3 bar	1 bar = 50 kg pressure	180 kg	220 kg	1000 x 800 x 1700 (H max. 3000)
4999/200EL	4092/180	-	7.5:1	300 bar (4351 psi)					

Stationary grease supply kit with electronic dosing system CONTROLLER 5.0 which allows the preselection of grease quantities to be supplied.
This unit is suitable for industrial applications in which a recurrent precision of dosage is required on points and in sections that are continuously working and need a constant flow of lubricant.
Free flow outlet available.
The unit also includes a timer and a data recording of the dispensed amount.

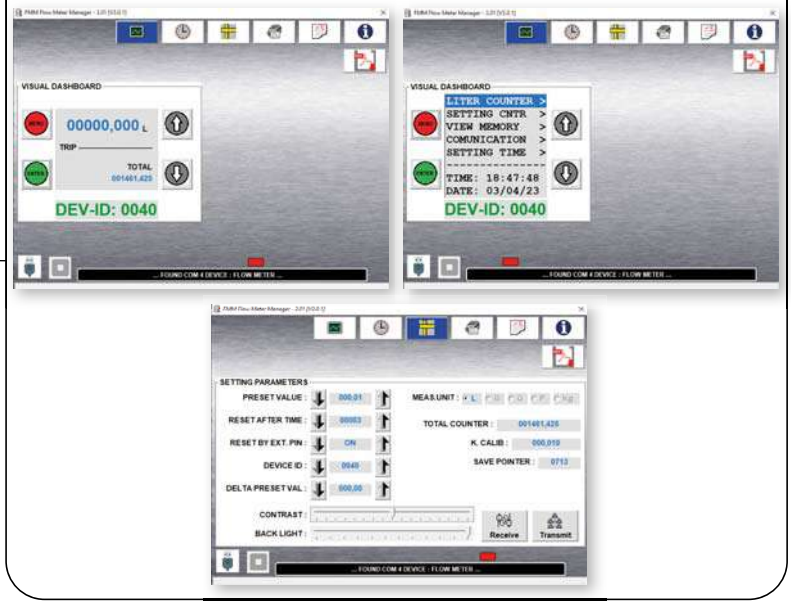


CONTROLLER 5.0

- **Bluetooth or USB cable.**
- **Precise and constant control**
- **PC controlled remote delivery management**
- **Real-time remote delivery visualization**
- **Data storage**
- **Transaction history**
- **Print report**
- **Customizable receipt with company logo, order number, dispensed quantity, date and time, additional description fields.**



EXAMPLE OF DISPLAY



Art.no. **4325**

Stationary grease supply kit with electronic dosing system **CONTROLLER 5.0.**

Composed of:
- Tank Service Base for 1 drum of 180 kg, art.no. 8525, with metal mounting rack;
- Pneumatic grease pump 25:1, art.no. 4082;
- Pressure regulator and air filter with moisture separator, art. no. 7180;
- Vulcanized follower plate, ø 590 - 540 mm, art. no. 4319VU;
- Metal drum cover, ø 600 – 560 mm, art. no. 4308;
- Electronic oval gears flow meter with pulse transmitter, art.no. 8733;
- 3 m – rubber hose SAE 100 R1 AT, 1/2", art.no. 4803;
- Grease control gun with rigid outlet, art.no. 4204;
- Control unit for dosing system CONTROLLER 5.0 with keypad and display;
- Thermal printer for printing tickets with data of each performed delivery;
- Electronic control switch (ON/OFF – START) with transformer 230 VAC – 24 VDC.



Art.no. **4997/20**



Art.no. **4997/60**

Art.no. **4997/20**
Art.no. **4997/60**

SPRAY GREASE – Mobile pneumatic grease sprayer kits, suitable for the application of grease or similar lubricants on mechanical parts or surfaces for protective purposes. For example these kits are suitable also for applying underseal agents for protective undercoating.

Applications:

- Undercoating, rust-proofing and sound-deadening materials;
- automotive and heavy-duty vehicle dealerships;
- fast lube centers and service shops;
- fleet service facilities.

The kits consist of a 25:1 – pneumatic grease pump, metal drum cover, vulcanized follower plate, 3 m - high pressure hose SAE 100 R2 AT, 1/4", for grease and 3 m – hose for air, with thermo - retractable cover, control gun including lance with twin outlet for the injection of air and spraying nozzles.

Art. no.	4997/20	4997/60
Compression ratio	25:1	
Max outlet pressure	150 bar	
Compressed air supply	3 – 6 bar	
For pails / drum of	18-25 kg	50 kg
Weight	15 kg	18 kg

WATCH THE VIDEO.









Art.no. **03 4997**

Spray gun for grease nebulizing/spraying for SPRAY GREASE kit.

250 bar



Art.no. **4425**

Manual lever action grease pump, suitable for 18/25 kg - pails. Standard suction tube length 360 mm; can be supplied also in different lengths on demand.

Art.no. **4426**

Similar to art. no. 4425, but with suction tube length 335 mm for 16 kg – pails.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight
4425	250 bar	8 g	1/4" BSP (M)	2 kg
4426				

250 bar



Art.no. **5125**

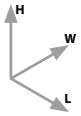
Portable, manual grease supply kit for 18/25 kg – pails, consisting of:

- Manual lever action grease pump, art. no. 4425;
- Metal drum cover, ø 290 – 330 mm, art. no. 074302;
- Vulcanized follower plate, ø 310 - 260 mm, art. no. 4314VU;
- 1.5 m – rubber hose R1T, ø 1/4";
- Ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler, art.no. 4218.

Art.no. **5125/S**

Portable, manual grease supply kit such as art.no. 5125, but for 16/18 kg – pails with metal drum cover art.no. 4301, ø 240 – 283 mm, and follower plate art.no. 4311, ø 275 – 230 mm.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
5125	250 bar	8 g	1/4" BSP (M)	5 kg	340x340x630
5125/S					



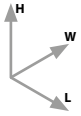
150 bar



Art.no. **5190**

Manual grease supply kit, consisting of metal 16 kg – pail with 2 wheels, pedal action pump, follower plate, ø 230 mm, art. no. 07 5131, 1.5 m – rubber hose R1AT, ø 1/4", ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
5190	150 bar	7 g	1/4" BSP (M)	8 kg	510x580x880



250 bar



Art.no. **5100**

Portable, manual grease supply kit, consisting of metal 16 kg – pail, lever action grease pump, follower plate, ø 230 mm, art. no. 07 5131, 1.5 m - rubber hose R1AT, ø 1/4", ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.

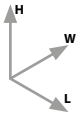


INTERNAL VIEW



MADE IN ITALY

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
5100	250 bar	8 g	1/4" BSP (M)	5.5 kg	240x490x630



250 bar



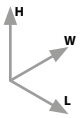
Art.no. **5105**

Portable, manual grease supply kit, consisting of metal 16 kg – pail with 2 wheels, lever action grease pump, follower plate, ø 230 mm, art. no. 07 5131, 1.5 m - rubber hose R1AT ø 1/4", ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.



INTERNAL VIEW

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
5105	250 bar	8 g	1/4" BSP (M)	7.5 kg	250x540x630



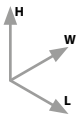
250 bar



Art.no. **5115**

Manual grease supply kit, consisting of metal 16 kg – pail, mounted on trolley, art.no. 4350, with fixation bracket, 2 wheels and frontal support leg, with lever action grease pump, follower plate, ø 230 mm, art. no. 07 5131, 1.5 m - rubber hose R1AT, ø 1/4", ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
5115	250 bar	8 g	1/4" BSP (M)	8 kg	510x580x880



Grease Power 750 is a manual grease supply kit, composed by a spring - loaded pump combined with a special control gun, dispensing the grease in pressure degrees up to 750 bar.

This system can be used in 3 different ways, offering the following results:

1. Delivery of 0.3 g of grease per squeeze with up to 750 bar pressure when the switch of the control gun is on "high pressure" - position. Ideal for unblocking dirty or resinified grease nipple valves.

2. Delivery of 1.1 g of grease per squeeze when switch of the control gun is on "high volume" - position. For normal grease supply operations.

3. Keeping the lever of the control gun pushed and pressing simultaneously the pump rod down by foot, a continuous grease flow at low pressure can be created.

This grease supply kit - thanks to its compactness and its independence from any pneumatic or electric supply - is the ideal, mobile equipment for any application in the field of lubrication.

750 bar



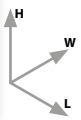
Art.no. **5110**

Portable, manual grease supply kit, consisting of:

- Metal 5 kg – pail with cover;
- Manual, spring - loaded piston grease pump;
- Follower plate;
- 1.5 m - rubber hose, ø 1/2" mm;
- Control gun with selector lever and rigid outlet pipe with 4 – jaws – hydraulic coupler.



Art. no.	Max outlet pressure	Max delivery per stroke	Ø suction tube	Length suction tube	Weight	Dimensions (LxWxH) (mm)
5110	750 bar	8 g	28 mm	310 mm	6.5 kg	350x240x550



750 bar



Art.no. **5111**

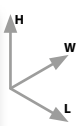
Portable, manual grease supply kit, suitable for 18/25 kg - pails, consisting of:

- Manual, spring - loaded piston grease pump;
- Vulcanized follower plate, 310 – 260 mm, art. no. 4314VU;
- 1.5 m - rubber hose, ø 1/2" mm;
- Metal drum cover, ø 290 – 330 mm, art. no. 4302;
- Control gun with selector lever and rigid outlet pipe with 4 – jaws – hydraulic coupler.



OPTIONAL
Art.no. **4215**
Extension with quick change coupling, length 130 mm, to be connected with hydraulic coupler.

Art. no.	Max outlet pressure	Max delivery per stroke	Ø suction tube	Length suction tube	Weight	Dimensions (LxWxH) (mm)
5111	750 bar	8 g	28 mm	370 mm	5.8 kg	350x480x630





Art.no. **5126**
Art.no. **5127**
Art.no. **5128**

Manual grease gun filler pump kit, consisting of manual lever action grease pump, metal drum cover, vulcanized follower plate and rigid pipe with adapter for the connection of grease gun.
Idoneous for grease guns art. nos. 4400 - 4400/4.

Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Delivery	Diameter suction tube	Length suction tube	Diameter drum cover	Diameter follower plate	Diameter pails/drums	Suitable for pails/drums of	Weight
5126	30 g/stroke	40 mm	450 mm	283 mm	275 mm	240-283 mm	18 kg	5 kg
5127				330 mm	310 mm	290-330 mm	20 kg	6 kg
5128			750 mm	400 mm	390 mm	360-400 mm	50 kg	8 kg



Art.no. **5129/CL**
Art.no. **5130/CL**
Art.no. **5131/CL**

Manual grease transfer kit for the refilling of grease reservoirs in centralized lubrication systems, consisting of manual lever action grease pump, metal drum cover, vulcanized follower plate, 2 m – rubber hose ø 1/2", hydraulic quick coupling, connection thread BSP 1/2" (F), in accordance with norm ISO 7241-1 B art.no. 4237 and art.no. 4237M connection thread 1/2" (F) (see page 57).

Suitable for grease up to a viscosity of NLGI 2.

Art. no.	Delivery	Diameter suction tube	Length suction tube	Diameter drum cover	Diameter follower plate	Diameter pails/drums	Suitable for pails/drums of	Weight
5129/CL	30 g/stroke	40 mm	450 mm	283 mm	275 mm	240-283 mm	18 kg	6 kg
5130/CL				330 mm	310 mm	290-330 mm	20 kg	7 kg
5131/CL			750 mm	400 mm	390 mm	360-400 mm	50 kg	9 kg



Art.no. **4923**
Art.no. **4963**
Art.no. **4983**

Pneumatic grease transfer kit for the refilling of grease reservoirs in centralized lubrication systems, consisting of pneumatic 25:1 - grease pump, metal drum cover, vulcanized follower plate, 2 m – rubber hose ø 1/2", hydraulic quick coupling, connection thread BSP 1/2" (F), in accordance with norm ISO 7241-1 B art.no. 4237 and art. no. 4237M connection thread 1/2" (F) (see page 57).

Suitable for grease up to a viscosity of NLGI 3.

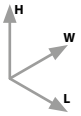
Art. no.	Delivery	Diameter suction tube	Length suction tube	Diameter drum cover	Diameter follower plate	Diameter pails/drums	Suitable for pails/drums of	Weight
4923	7000 g/min	28 mm	450 mm	330 mm	310 mm	290-330 mm	20 kg	10 kg
4963			750 mm	400 mm	390 mm	360-400 mm	50 kg	14 kg
4983			950 mm	600 mm	590 mm	560-600 mm	180 kg	16 kg



Art.no. **4400**
Art.no. **4400/4**
Art.no. **4400/4DE**

Lever action grease gun, suitable for the use with bulk grease or with grease cartridges.
With plastic flexible outlet hose ø ext. 8 mm x 300 mm length, M 10x1, and 4 – jaws – hydraulic coupler.
Suitable for grease up to a viscosity of NLGI 2.
The art. no. 4400/4DE is equipped with German connection.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
4400	1.2 cm³/stroke	300 bar	600 g	56 mm	300 mm	1.70 kg	150x60x480
4400/4 4400/4DE		400 bar	400 g	52 mm	240 mm	1.70 kg	110x60x370

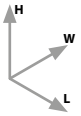




Art.no. **4450**
Art.no. **4450/4**

Pneumatic grease gun, suitable for the use with bulk grease or with grease cartridges. With plastic flexible outlet hose ø ext. 8 mm x 300 mm length, M 10x1, and 4 – jaws – hydraulic coupler. It is a single action mechanism (non-continuous grease supply): when activating the trigger, the internal piston moves and supplies grease; when the trigger is released, the piston returns in its initial position. By repeating this procedure the grease can be dispensed. Compressed air pressure: 4 – 8 bar. Suitable for grease up to a viscosity of NLGI 2.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
4450	1.2 cm³/stroke	300 bar	600 g	56 mm	300 mm	2 kg	240x70x550
4450/4		300 bar	400 g	52 mm	240 mm	2 kg	240x70x470



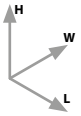


Art.no. **4450/C**

Pneumatic grease gun with a continous grease flow, suitable for the use with bulk grease or with grease cartridges.
With rigid outlet pipe 150 mm length, M 10x1, and 4 – jaws – hydraulic coupler.

Compressed air pressure: 2 – 8 bar. Suitable for grease up to a viscosity of NLGI 2.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
4450/C	0.8 cm³/stroke	400 bar	400 g	52 mm	240 mm	2 kg	170x75x400

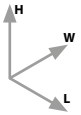




Art.no. **4408**

One-hand-operated grease gun, professional version, suitable for the use with bulk grease or with grease cartridges.
With plastic flexible outlet hose ø ext. 8 mm x 300 mm length, M10x1, and 4 – jaws – hydraulic coupler.
The grease gun can be used in a "high volume" or in a "high pressure" mode.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
4408	1.1 cm³/stroke	200 bar	400 g	52 mm	240 mm	1.6 kg	165x66x400
	0.8 cm³/stroke	300 bar					





Imported product

Art.no. **4452**
Art.no. **4452/4**

Electric grease gun with two 18 VDC - batteries, suitable for the use with bulk grease or with grease cartridges. With plastic flexible outlet hose ø ext. 8 mm x 1000 mm length, M 10x1, and 4 – jaws – hydraulic coupler. The grease is dispensed continuously; by pushing the trigger of the grease gun, the internal gears start moving and the grease is supplied. When the trigger is released again, the grease flow stops.
Batteries: 18 VDC (1300 mAH), time for recharging: 1 hour (according to the ROHS – directive).
Batteries recharger: 230 VAC (18 VDC, 50 Hz).
Supplied in a plastic case with a lever grease gun head for the use as lever grease gun.
Suitable for grease up to a viscosity of NLGI 2.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
4452	1.1 cm^3/stroke	300 bar	600 g	56 mm	300 mm	7.5 kg	540x110x500
4452/4		300 bar	400 g	52 mm	240 mm	7.5 kg	540x110x410



Made in FLEXBIMEC

Imported product

Art.no. **4453**

Electric grease gun with 18 VDC – battery, art.no. 4452/4, but additionally equipped with an electronic oval gears flow meter for grease, art.no. 4291.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Diameter suitable grease cartridge	Length suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
4453	1.1 cm^3/stroke	300 bar	400 g	52 mm	240 mm	8.7 kg	540x110x410



Art.no. **4411**

Two-hand-operated grease gun, suitable for the use with 500 g – screw-in grease cartridges.

With hose bracket, plastic flexible outlet hose ø ext. 8 mm x 300 mm length, M 10x1, and 4 – jaws – hydraulic coupler.

Lubrication by vacuum generation.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Weight	Dimensions (LxWxH) (mm)
4411	2 cm^3/stroke	400 bar	500 g	0.85 kg	195x30x350



Art.no. **4405**

Cartridge with lithium grease, NLGI 2, with 600 g capacity. Diameter 56 mm, length 300 mm. Kinematic viscosity of the basing oil: 150 cSt, 40°C. Temperature range of use: -20°C - +120°C. According DIN 51502 K 2 K-20. **Packs of 15 pieces**

Art.no. **4406**

Cartridge with lithium grease, NLGI 2, with 400 g capacity. Diameter 52 mm, length 235 mm. Kinematic viscosity of the basing oil: 150 cSt, 40°C. Temperature range of use: -20°C - +120°C. According DIN 1284. **Packs of 15 pieces**



Art.no. **4201**

Art.no. **4200**

Art.no. **4200**

High pressure grease control gun, steel body, inlet connection 1/4" BSP (M), outlet connection M 10x1.
Working pressure up to 800 bar.

Art.no. **4201**

High pressure grease control gun art.no. 4200, but additionally equipped with a trigger guard.



Art.no. **4205**

Art.no. **4206**

Art.no. **4205**

High pressure grease control gun with 300 mm – steel braid rubber outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler.
Working pressure up to 800 bar.

Art.no. **4206**

High pressure grease control gun art.no. 4205, but additionally equipped with a trigger guard.



Art.no. **4207**

Art.no. **4208**

Art.no. **4208**

High pressure grease control gun with rigid outlet pipe and 4 – jaws – hydraulic coupler.
Working pressure up to 800 bar.

Art.no. **4207**

High pressure grease control gun art.no. 4208, but additionally equipped with a trigger guard.



Art.no. **4209**

Art.no. **4204**

Art.no. **4209**

High delivery grease control gun for the transfer of grease, with rigid outlet, ø 20 mm.
Working pressure up to 200 bar, burst pressure 350 bar.

Art.no. **4204**

Grease control gun for the transfer of grease, with rigid outlet, ø 16 mm. Working pressure up to 180 bar, burst pressure 320 bar.



Art.no. **4228**



Art.no. **4221**

Art.no. **4221**

High pressure rotating "Z" – swivel, connections 1/4" BSP (M – F). For the installation between hose and control gun. Allows a complete 360° - rotation on the 3 axes, also under pressure.

Art.no. **4228**

Straight high pressure rotating swivel, connections 1/4" BSP (M – F). For the installation between hose and control gun. Allows a complete 360° - rotation on the 1 axe, also under pressure.



Art.no. **4220**



Art.no. **4224**



Art.no. **4225**



Art.no. **4226**



Art.no. **4227**



Art.no. **4251**



Art.no. **4252**



Art.no. **4253**



Art.no. **4254**



Art.no. **4255**



Art.no. **4259**



Art.no. **4230**

Art.no. **4220** - Hydraulic 4 – jaws - coupler, standard version, steel body, height 36 mm, for hydraulic-type grease nipples according DIN 71412, connection M 10x1.

Art.no. **4224** - Giant button head coupler, steel body, for button head grease nipples with ø 22 mm according DIN 3404; connection M 10x1.

Art.no. **4225** - Hydraulic 4 – jaws – coupler, steel body, for hydraulic-type grease nipples according to DIN 71412, connection M 10x1, with 90° - curved swivel adapter.

Art.no. **4226** - Button head coupler, steel body, for button head grease nipples with ø 15 mm according to DIN 3404; connection M 10x1.

Art.no. **4227** - Reverse button head coupler, steel body, for button head grease nipples with ø 15 mm according to DIN 3404; connection M 10x1.

Art.no. **4251** - Pointed coupler, steel body, for flush-type grease nipples according to DIN 3405; connection M 10x1.

Art.no. **4252** - Pin pointed coupler, steel body, for flush-type grease nipples according to DIN 3405; connection M 10x1.

Art.no. **4253** - Hollow-type coupler, steel body, for ball-type and hydraulic-type grease nipples according to DIN 71412; connection M 10x1.

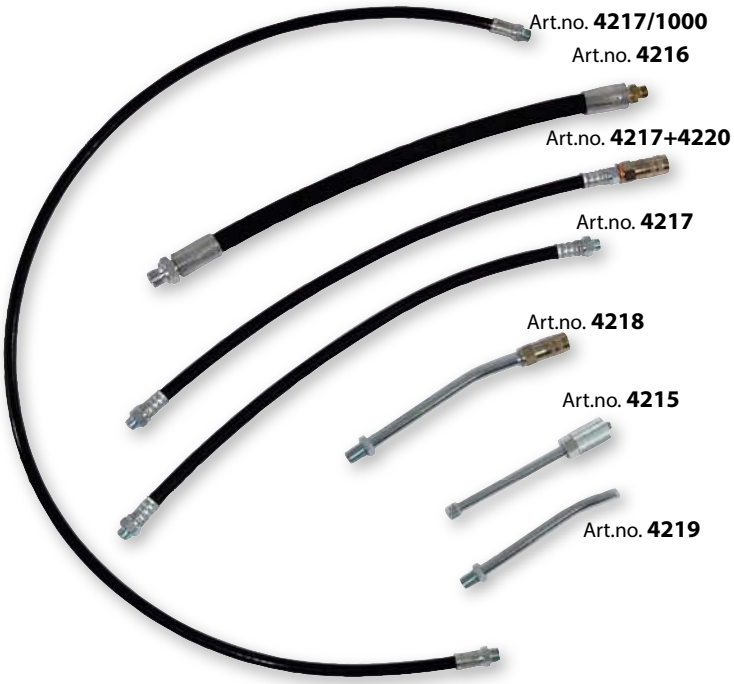
Art.no. **4254** - Bayonet coupler, steel body, for bayonet grease nipples; connection M 10x1.

Art.no. **4255** - Hydraulic 4 – jaws – coupler, heavy duty version, steel body, height 48 mm, with ball valve, for hydraulic-type grease nipples according DIN 71412, connection M 10x1. Suitable also for applications with oil.

Art.no. **4259** - Needle nose adapter with quick coupling for the connection to hydraulic couplers, ideal for the lubrication of hard-to-reach points, especially for cardan shafts and small grease nipples, needle length 55 mm.

Art.no. **4230** - Hands-free power coupler G-Coupler connection M10x1.

All couplers are available also with thread G 1/8" (F) on demand.
Please add suffix /18 to the article number (f. ex. 4255/18).



Art.no. **4215** - Extension pipe for hydraulic 4 – jaws – couplers, length 130 mm, with quick coupling and connection M 10x1.

Art.no. **4216** - Double steel braid rubber outlet hose 1/4", SAE 100 R2 AT, length 400 mm; connections M 10x1 – 1/4" BSP (M).

Art.no. **4217** - Steel braid rubber outlet hose DIN 1293 ø ext. 10 mm, length 400 mm, max. working pressure 400 bar, burst pressure 1000 bar; connections M 10x1.

Art.no. **4217/1000** - Steel braid rubber outlet hose DIN 1293 ø ext. 10 mm, length 1000 mm, max. working pressure 400 bar, burst pressure 1000 bar; connections M 10x1.

Art.no. **4217+4220** - Steel braid rubber outlet hose ø ext. 10 mm, length 400 mm, max. working pressure 400 bar, burst pressure 1000 bar with hydraulic 4 – jaws – coupler; connections M 10x1.

Art.no. **4218** - Angled rigid outlet pipe, length 200 mm, with hydraulic 4 – jaws – coupler; connections M 10x1.

Art.no. **4219** - Angled rigid outlet pipe, length 130 mm; connections M 10x1.



Art.no. **4234** - Angled rigid outlet pipe, connection 1/2" (M), with quick coupling, for the grease refilling of lever grease guns through grease gun filler pumps.

Art.no. **4216 + 4233 -** Double steel braid rubber outlet hose 1/4", length 400 mm, connection 1/4" (M), with steel quick coupling, connection thread BSP 1/4" (F), in accordance with norm ISO 7241-1 B, to be connected on grease reservoirs in centralized lubrication systems for refilling.

Art.no. **4235** - Curved rigid outlet pipe, connection ø 1/2" (M), for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. **4233** - Steel quick coupling, connection thread BSP 1/4" (F), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. **4233M** - Hydraulic quick connector 1/4" (M), connection thread 1/4" (F), in accordance with norm ISO 7241-1 B, suitable for the use in combination with art.no. 4233.

Art.no. **4237** - Hydraulic quick coupling, connection thread BSP 1/2" (F), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. **4237M** - Hydraulic quick connector 1/2" (M), connection thread 1/2" (F), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.



Art.no. **4328**



Art.no. **4340**



Art.no. **4341**

Art.no. **4328**

Plastic bung adapter for fixation of pumps, 2" BSP (M) x 28 mm.

Art.no. **4340**

Plastic bung adapter for fixation of pumps, 2" BSP (M) x 40 mm.

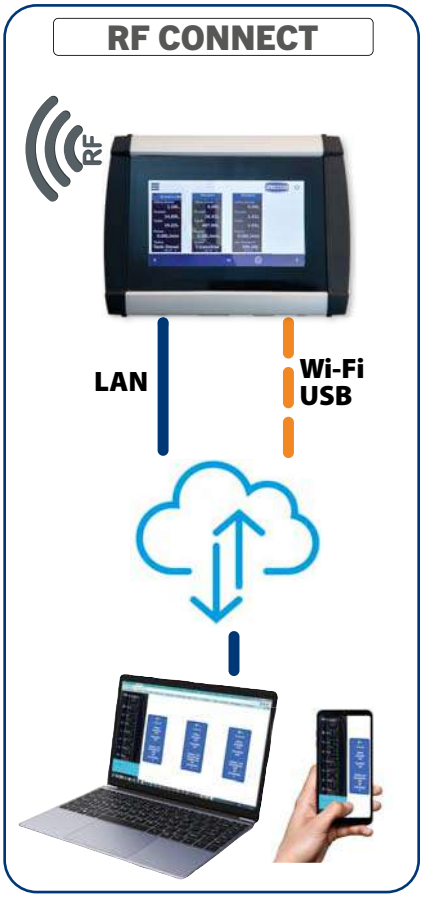
Art.no. **4341**

Plastic lock ring for bung adapter, 2" BSP (M), for art. nos. 4328, 4340.

FLEXBIMEC expands its range of electronic grease flow meters with 2 and 4-button new lines: 2TT and 4TT.
All models have been redesigned with a new generation hardware board and have been structurally improved to facilitate some operations such as battery replacement and easier reading thanks to the larger display.
The models are available in two versions: with and without preset function.
The preset function allows to predetermine the quantity to be dispensed. All models are available with the option of radio frequency data transmission to be used in combination with RF CONNECT.

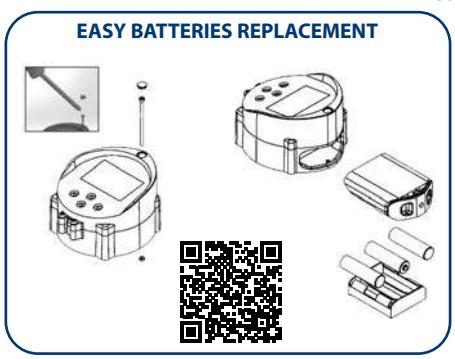
2TT





4TT





2TT



Art.no. **4290**
Electronic oval gears grease flow meter, series **GREASE NEPTUNE,** with grease control gun, rigid outlet pipe and hydraulic 4 – jaws – coupler. The calibration of the meter can also be made by the user.
Equipped with 3 AA batteries.

Art.no. **4290/RF**
Electronic oval gears flow meter for grease, series **GREASE NEPTUNE RF**, with control gun, rubber protection guard, rigid outlet pipe and hydraulic 4 - jaws – coupler.
The flow meters of series **GREASE NEPTUNE RF** are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit**.**

Art.no. **4291**
Electronic oval gears grease flow meter, series **GREASE NEPTUNE,** suitable for the use as inline meter. The calibration of the meter can also be made by the user.

Art.no. **4291/RF**
Electronic oval gears flow meter for grease, series **GREASE NEPTUNE RF,** with the same characteristics of the art. no. 4291 but with a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art.no.	4290 - 4290/RF	4291 - 4291/RF
Connections	1/4" BSP (M)	1/4" BSP (F)
Flow rate min – max	0.20 - 2 kg/min	
Temperature	+ 5°C / + 50°C	
Max pressure	400 bar (5801 psi)	
Precision	± 0.3% *	
Total max (resettable)	999.9 kg	
Total max (non-resettable)	9999 kg	
Voltage	3 x 1.5 V V	
Weight	1.4 kg	1.2 kg

*Basic calibration made in factory with grease NLGI 0

4TT

PRESET FUNCTION



The preset function introduces a certain degree of automation since it becomes possible to predetermine the dosages and automatically stop the grease flow once the preselected value has been reached.
The calibration of the meter can also be made by the user.

Art.no. **4292**
Electronic oval gears **grease** flow meter, series **"Grease Mercury"**, with **preset function** of the desired grease quantity to be supplied. With grease control gun, rigid outlet pipe and hydraulic 4 – jaws – coupler.

Art.no. **4292/RF**
Electronic oval gears flow meter for **grease**, series **GREASE URANUS,** with preset function, with the same characteristics of art. no. 4292 but with radio frequency data transmission to be used in combination with the **RF CONNECT** control unit**.**

Art.no.	4292 - 4292/RF
Connections	1/4" BSP (M)
Flow rate min – max	0.20 - 2 kg/min
Temperature	+ 5°C / + 50°C
Max pressure	300 bar (4351 psi)
Precision	± 1%*
Lowest preselection value	0.010 kg
Total max (resettable)	999.9 kg
Total max (non-resettable)	9999 kg
Voltage	3 x 1.5 V
Weight	1.7 kg

*Basic calibration made in factory with grease NLGI 0

2TT



Art.no. **4296**
Art.no. **4296/RF**

Art.no. **4293**
Electronic oval gears **grease** flow meter, series **GREASE NEPTUNE 1/2"**, with grease control gun and rigid outlet pipe.
The calibration of the meter can also be made by the user.

Art.no. **4293/RF**
Electronic oval gears **grease** flow meter, series **GREASE NEPTUNE RF 1/2"**, with the same characteristics of art. no. 4293 but with radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art.no. **4296**
Electronic oval gears **grease** flow meter, series **GREASE NEPTUNE 1/2",** suitable for the use as inline meter. The calibration of the meter can also be made by the user.

Art.no. **4296/RF**
Electronic oval gears flow meter for **grease**, series **GREASE NEPTUNE RF 1/2",** with the same characteristics of the art. no. 4296 but with a radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art.no.	4293 - 4293/RF	4296 - 4296/RF
Connections	1/2" BSP (M)	1/2" BSP (F)
Flow rate min – max	0.5 – 10 kg/min	
Temperature	+5°C / + 50°C	
Max pressure	70 bar (1015 psi)	
Precision	± 1% *	
Total max (resettable)	999.9 kg	
Total max (non-resettable)	9999 kg	
Voltage	3 x 1.5 V V	
Weight	1.4 kg	

*Basic calibration made in factory with grease NLGI 0

2TT



Art.no. **4295**
Art.no. **4295/RF**

Art.no. **4294**
Electronic oval gears **grease** flow meter, series **GREASE NEPTUNE 3/4",** with grease control gun and rigid outlet pipe, for measurement of high quantities in grease transfer applications with pneumatic pumps of the series "Power Bull". The calibration of the meter can also be made by the user.

Art.no. **4294/RF**
Electronic oval gears flow meter for **grease,** series **GREASE NEPTUNE 3/4",** with the same characteristics of art. no. 4294 but with radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art.no. **4295**
Electronic oval gears flow meter for **grease,** series **GREASE NEPTUNE 3/4",** for measurement of high quantities in grease transfer applications suitable for use as inline meter. The calibration of the meter can also be made by the user.

Art.no. **4295/RF**
Electronic oval gears flow meter for **grease,** series **GREASE NEPTUNE 3/4",** with the same characteristics of art. no. 4295 but with radio frequency data transmission to be used in combination with the **RF CONNECT** control unit.

Art.no.	4294 - 4294/RF	4295 - 4295/RF
Connections	3/4" BSP (M)	3/4" BSP (F)
Flow rate min – max	0.5 – 20 kg/min	
Temperature	+5°C / + 50°C	
Max pressure	100 bar (1450 psi)	50 bar (725 psi)
Precision	± 1% *	
Total max (resettable)	999.9 kg	
Total max (non-resettable)	9999 kg	
Voltage	3 x 1.5 V V	
Weight	3 kg	1.6 kg

*Basic calibration made in factory with grease NLGI 0

Follower plate with NBR rubber edge, available in different dimensions to suit to the various types of grease drums. The follower plate causes a constant grease level inside of the drum and helps to avoid any air pockets inside of the grease close to the suction tube as well as any disposals of grease on the inner surface of the drum.



Art.no. **4314VU**



Art.no. **4317VU**



Art.no. **4319VU**
Art.no. **4319/TP33**

Art. no.	Total diameter follower plate	Diameter metal disc	Bore suitable for suction tube diameter of	Suitable for pails/drums of	Weight
4310	205 mm	150 mm	28 mm	5 kg	0.7 kg
4311	275 mm	230 mm		18 kg	0.9 kg
4312	350 mm	285 mm		20 kg	1.5 kg
4312S	340 mm	286 mm		25 kg	1.6 kg
4314VU*	310 mm	260 mm		20 kg	1.5 kg
4315	330 mm				1.2 kg
4317VU*	390 mm	313 mm	28 mm	50 kg	2.0 kg
4317/TP			40 mm		1.8 kg
4319VU*	590 mm	540 mm	28 mm	180 kg	5.2 kg
4319/TP			40 mm		4.9 kg
4319/TP33			33 mm		

* **VU** = with vulcanized rubber

Metal drum cover, available in different dimensions to suit to the various types of grease drums, including butterfly screws for the fixation of the cover on the drum as well as bung adapter for the fixation of the pump in vertical position.



Art. no.	Suitable for external drum diameters of	Bore suitable for suction tube diameter of	Suitable for pails/drums of	Weight
4301	240 - 283 mm	28 mm	18 kg	2.4 kg
4302	290 - 330 mm		20 kg	2.6 kg
4302/FP				2.7 kg
4302S	310 - 350 mm		25 kg	2.6 kg
4305	360 - 400 mm		50 kg	2.8 kg
4305L	348 - 388 mm			
4305S	410 - 450 mm			
4305/TP	360 - 400 mm	40 mm		
4308	560 - 600 mm	28 mm	180 kg	3.2 kg
4308/TP		40 mm		
4308/TP33		33 mm		

Art.no. **4322**

Low level pump stop kit for grease, suitable for 180 kg – drums, consisting of:

- Metal drum cover, ø 600 mm, with connection cables junction box;
- Follower plate, ø 590 mm, with rubber edge;
- Probe with contactless sensor;
- Solenoide valve for compressed air;
- Acoustic alarm device;
- Electronic control switch with transformer 230 VAC – 24 VDC, switch ON/OFF - START, indicator lamp in case of empty drum and bypass push button which allows to continue the grease flow again after the pump has been stopped.





Art.no. **4309**

Metal drum cover, including metal bung adapter and metal counter-ring, suitable for the use of pneumatic grease pumps of series "Power Bull" on 180 kg – drums.
Total diameter 600 mm, diameter of bore for suction tube in bung adapter of 50 mm.
Suitable for art. nos. 4048 - 4049 - 4050 - 4051 - 4097/180 - 5090.

Art.no. **4309/70**

Metal drum cover such as art. no. 4309, but including metal bung adapter with diameter of bore for suction tube of 70 mm.
Suitable for art. nos. 4046 - 4047 and 5091.



Art.no. **4320**

Follower plate with NBR rubber edge, for applications with pneumatic grease pumps of series "Power Bull" on 180 kg – drums. The follower plate causes a constant grease level inside of the drum and helps to avoid any air pockets inside of the grease close to the suction tube as well as any disposals of grease on the inner surface of the drum.
Total diameter of follower plate 590 mm, diameter of metal disc 540 mm, diameter of bore for suction tube 50 mm.
Suitable for art. nos. 4048 - 4049 - 4050 - 4051 - 4097/180 and 5090.

Art.no. **4320/70**

Follower plate such as art. no. 4320, but diameter of bore for suction tube 70 mm.
Suitable for art. nos. 4046 - 4047 and 5091.



Art.no. **4343/50**



Art.no. **4343/70**



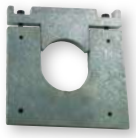
Art.no. **4343/51**



Art.no. **4343/71**



Art.no. **4342/70**



Art.no. **4342/50**

Art.no. **4343/50**
Metal bung adapter for the fixation on drums of pumps, series "Power Bull", 2" BSP (M) x 50 mm (suction tube diameter). Suitable for art. nos. 4048 - 4049 - 4050 - 4051 - 5090.

Art.no. **4343/51**
Metal lock ring for bung adapter for art. no. 4343/50.

Art.no. **4343/70**
Metal bung adapter for the fixation on drums of pumps, series "Power Bull", connection 80x2 (M) x 70 mm (suction tube diameter). Suitable for art. nos. 4046 - 4047 - 5091.

Art.no. **4343/71**
Metal lock ring for bung adapter, M80x2 (M), for art. no. 4343/70.

Art.no. **4342/50**
Metal flange plate for fixation of pumps, series "Power Bull", with suction tube diameter 50 mm, without bung adapter. Suitable for art. nos. 4048 – 4049 – 4050 – 4051 and 5090.

Art.no. **4342/70**
Metal flange plate for fixation of pumps, series "Power Bull", with suction tube diameter 70 mm, without bung adapter. Suitable for art. nos. 4046 - 4047 and 5091.





Art.no. **4387**

Standpipe assembly for floor mounting of pneumatic grease pumps, series Power Bull. and connection with bulk tank. inlet connection thread: 3" NPT (F), outlet connection thread: 2" BSP (F).
Height: 200 mm
Internal diameter: 70 mm.

Art.no. **4387/50**
Same as art. no. 4387 but with internal diameter 50 mm.



FLEXBIMEC produces a wide range of pneumatic oil pumps that offers an appropriate solution for any kind of fluid viscosity, required delivery, pumping distance, necessary outlet pressure, ambient temperature as well as for simultaneous fluid supplies and any type of storage container.

In the following charts the essential data for selecting the adequate pump for the individual requirements are shown.

For more detailed information please see the following pages.

1:1



Art. no.	Delivery		
2040	48 l/min		
2043	35 l/min		
2043/L	48 l/min		
2044	48 l/min		
2047FVN	Depression -0,8/1,0 l/min		
2047/L	48 l/min		
2049FE	Depression -0,8/1,0 l/min		

These pumps are recommended for the use
- at pumping distances up to 15 m,
- with low viscosity fluids.

See page 66

3:1



Art. no.	Delivery		
2020	23.7 l/min		
2030	23.7 l/min		
2071	21 l/min		
2073	16.7 l/min		
2074	16.7 l/min		
2032	21 l/min		
2033	21 l/min		
2038	21 l/min		
2020TWDE	28 l/min		
2030TWDE	28 l/min		

These pumps are recommended for the use
- at pumping distances up to 100 m,
- with low and medium viscosity fluids.

See pages 67-69

5:1



Art. no.	Delivery			
2025	18 l/min			
2035	18 l/min			
2075	13 l/min			
2075/L	13 l/min			
2076	13 l/min			
2061	18 l/min			
2059	18 l/min			
2025TWDE	22 l/min			
2035TWDE	22 l/min			
2075/LTWDE	17 l/min			

These pumps are recommended for the use
- **at pumping distances up to 200 m,**
- **with low and medium viscosity fluids,**
- **with high viscosity fluids at shorter pumping distances.**

See pages 68-69

Legend

Oil SAE 0/40		Oil SAE 90		Oil SAE 240		Waste oil		Antifreeze	

The **FLEXBIMEC** oil pump range is completed by the industrial pump series **"Power Bull"** with high delivery pumps for the supply of fluid lubricants in demanding conditions. These pumps are particularly recommended for the distribution of medium or high viscosity oils in applications or pipeworks where a simultaneous supply in different distribution points at high pressure and high delivery is required. The elevated quality of the used materials and the innovative constructional concept of the pneumatic motors of this line assure the following characteristics and advantages:
- Efficiency of a constant flow,
- Low noise level,
- Limited number of piston strokes,
- Low vibrations,
- Easy maintenance and interchangeability of components.

Series Tapir



Art.no. **2012** Art.no. **2013** Art.no. **2016**

Art.no.	Ratio	Delivery			
2012	6:1	32 l/min			
2013	2:1	48 l/min			
2014	5:1	18 l/min			
2015	5:1	18 l/min			
2016	6:1	32 l/min			

These pumps are recommended
- **to achieve high deliveries in the use with low viscosity fluids (art.no. 2013),**
- **for the use with low and medium viscosity fluids at pumping distances of more than 300 m,**
- **for the use with high viscosity fluids at long pumping distances (art. nos. 2012 and 2016)**
- **for simultaneous fluid supplies.**

See page 70

Industrial pump series "Power Bull" Single acting models



Art.no. **2055** Art.no. **2056** Art.no. **2096** Art.no. **2097** Art.no. **2098**

Art.no.	Ratio	Delivery			
2055	10:1	27 l/min			
2056	16:1	15 l/min			
2096	5:1	42 l/min			
2097	10:1	34 l/min			
2098	1.5:1	122 l/min			

These pumps are recommended
- **to achieve very high deliveries in the use with low viscosity fluids (art. no. 2098),**
- **for the use with low and medium viscosity fluids at pumping distances of more than 300 m,**
- **for the use with high viscosity fluids at long pumping distances (art. nos. 2055, 2056, 2096, 2097),**
- **for simultaneous fluid supplies.**

See page 72

Industrial pump series "Power Bull" Double acting models



Art.no. **2092** Art.no. **2093** Art.no. **2094**

Art.no.	Ratio	Delivery			
2057	10:1	27 l/min			
2058	16:1	15 l/min			
2088	3,5:1	64 l/min			
2091	6:1	42 l/min			
2092	7:1	40 l/min			
2093	4:1	67 l/min			
2094	6:1	55 l/min			

These pumps are recommended
- **to achieve high deliveries in the use with low viscosity fluids,**
- **for the use with low and medium viscosity fluids at pumping distances of more than 300 m,**
- **for the use with high viscosity fluids at long pumping distances,**
- **for simultaneous fluid supplies.**

See pages 71-73

Legend

Oil SAE 0/40	Oil SAE 90	Oil SAE 240	Waste oil	Antifreeze

Pneumatic pumps for the transfer of low viscosity oils and antifreeze at high delivery and short pumping distances.

STANDARD SERIES

1:1



Single acting - 35 l/min

Art.no. **2043**
Mineral oil



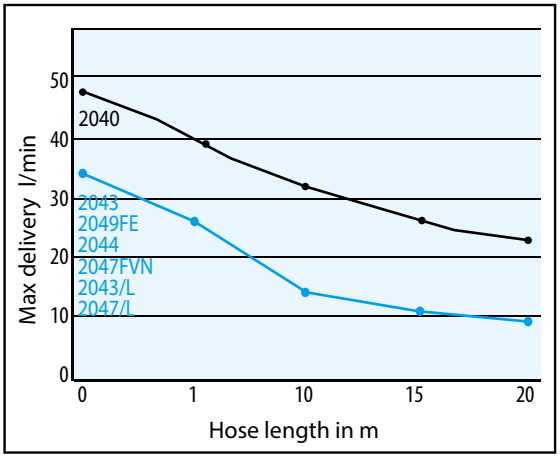
Depression value - 0,8/1,0 l/min

Art.no. **2047FVN**
Waste mineral oil
(for suction)



Depression value - 0,8/1,0 l/min

Art.no. **2049FE**
Pure antifreeze and water-based fluids
(for suction)





Single acting - 35 l/min

Art.no. **2043/L**
Oil

Art.no. **2047/L**
Pure antifreeze



Double acting - 48 l/min

Art.no. **2040**
Oil



Single acting - 35 l/min

Kit.no. **2044 Oil**
Complete kit with pump, hose and valve.

See accessories on pages 74-75 and 86-94!

Art. no.	2040	2043	2047FVN	2049FE	2044	2043/L 2047/L
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)		Pressure min 2 - max 4 bar (30 - 58 psi)		Pressure min 2 - max 8 bar (30 - 116 psi)	
Type of gaskets	PU		Viton® / NBR	EPDM	PU	
Compression ratio	1:1					
Outlet pressure	8 bar (116 psi)		4 bar (58 psi)		8 bar (116 psi)	
Delivery	48 l/min	35 l/min	Depression value - 0,8/1,0		48 l/min	
Connection compressed air	1/4" BSP (F)					
Connection lubricant outlet	3/4" BSP (M)					
Max air consumption with 8 bar pressure	210 l/min		120 l/min		210 l/min	
Length suction tube	950 mm	250 mm			-	950 mm
Diameter suction tube	50 mm					
Suitable for drums of	208 l	A parete				208 l
Weight	6.6 kg	4.4 kg			4.5 kg	5.2 kg
Dimensions (LxWxH) (mm)	95x95x1180	95x95x530			110x110x530	95x95x1180

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Pneumatic pumps for the supply of low and medium viscosity oils and antifreeze for the use in mobile kits or in pipeworks.

STANDARD SERIES

3:1



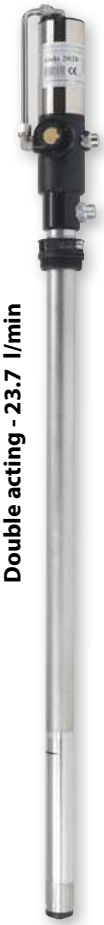
Single acting - 21 l/min

Art.no. **2071**
Oil



Double acting - 23.7 l/min

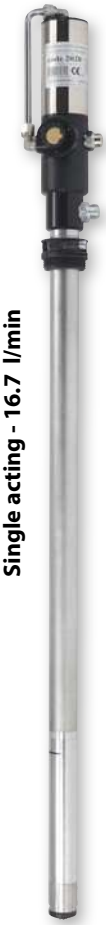
Art.no. **2030**
Oil



Double acting - 23.7 l/min

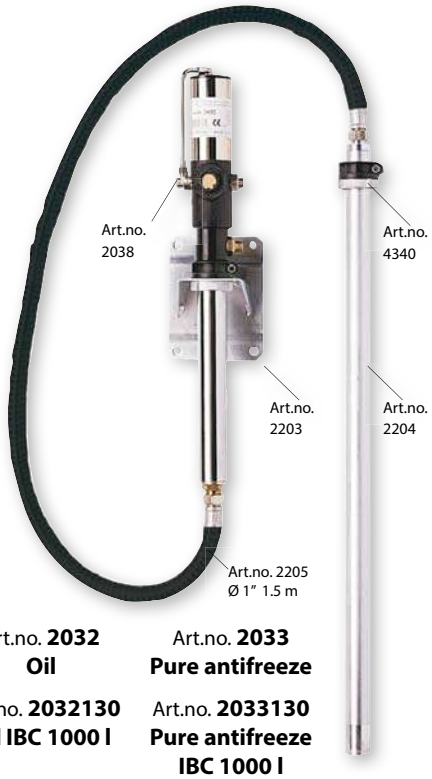
Art.no. **2020**
Oil

Art.no. **2020130**
Oil IBC 1000 l



Single acting - 16.7 l/min

Art.no. **2074**
Pure antifreeze



Double acting - 21 l/min

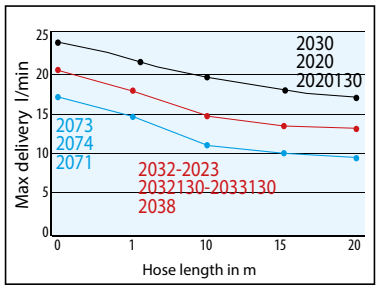
Art.no. **2032**
Oil

Art.no. **2033**
Pure antifreeze

Art.no. **2032130**
Oil IBC 1000 l

Art.no. **2033130**
Pure antifreeze
IBC 1000 l

All kits are complete with pump, hose and valve.



See accessories on pages 74-75 and 86-94!

Art. no.	2030	2020	2020130	2073 2074	2032 2033	2032130 2033130	2038	2071
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)							
Compression ratio	3:1							
Outlet pressure	24 bar (350 psi)							
Delivery	23.7 l/min			16.7 l/min	21 l/min			
Connection compressed air	1/4" BSP (F)							
Connection lubricant outlet	1/2" BSP (M)							
Max air consumption with 8 bar pressure	210 l/min							
Length suction tube	750 mm	950 mm	1300 mm	950 mm		1300 mm	380 mm	176 mm
Diameter suction tube	40 mm							
Suitable for drums of	60 l	208 l	1000 l	208 l		1000 l	Any	Any
Weight	5 kg	6 kg	6.2 kg	9 kg	5.2 kg	5.4 kg	4.5 kg	3.7 kg
Dimensions (LxWxH) (mm)	95x95x1070	95x95x1270	95x95x1500	95x95x1270	95x95x530	95x95x1500	95x95x700	95x95x415





The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Pneumatic pumps for the supply of medium and high viscosity oils for the use in mobile kits or in pipeworks.

STANDARD SERIES

5:1



Double acting - 18 l/min

Art.no. **2035**
Oil



Double acting - 18 l/min

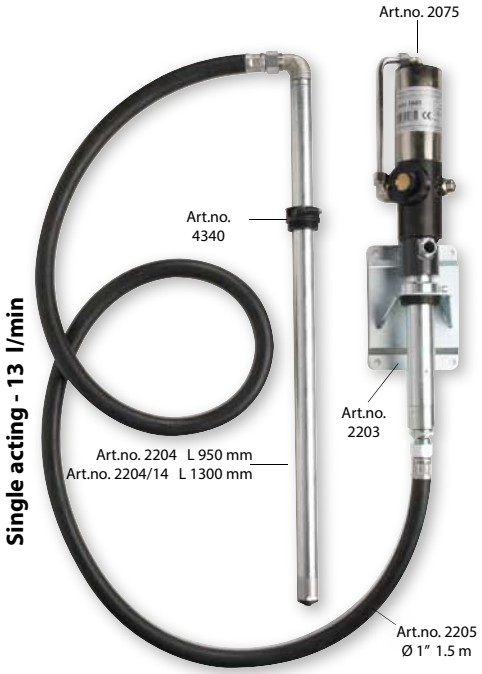
Art.no. **2025**
Oil

Art.no. **2025130**
Oil IBC 1000 l



Single acting - 13 l/min

Art.no. **2075/L**
Oil



Single acting - 13 l/min

Art.no. **2076**
Oil

Art.no. **2076130**
Oil IBC 1000 l



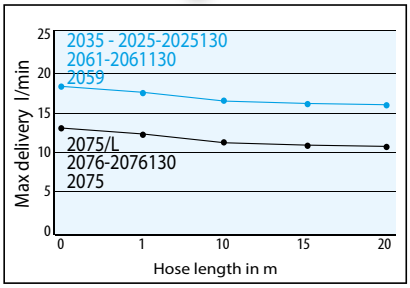
Double acting - 18 l/min

Art.no. **2061**

Art.no. **2061130**
Oil IBC 1000 l

See accessories on pages 74-75 and 86-94!

Art. no.	2035	2025 2025130	2061 2061130	2075/L	2076 2076130	2059	2075
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)						
Compression ratio	5:1						
Outlet pressure	40 bar (580 psi)						
Delivery	18 l/min			13 l/min		18 l/min	13 l/min
Connection compressed air	1/4" BSP (F)						
Connection lubricant outlet	1/2" BSP (M)						
Max air consumption with 8 bar pressure	210 l/min						
Length suction tube (mm)	750	950/1300	950/1300	950	950/1300	260	
Diameter suction tube	40 mm					45 mm	40 mm
Suitable for drums of	60 l	208/1000 l	208/1000 l	208 l	208/1000 l	Any	Any
Weight	5.2 kg	5.8 kg	9 kg	9 kg	5 kg	4.6 kg	4 kg
Dimensions (LxWxH) (mm)	95x95x1070	95x95x1270			95x95x950	95x95x700	95x95x560



The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C
Compressed air pressure 8 bar - free flow outlet.

Pneumatic oil pumps with double compressed air outlet distributor, assuring higher delivery rates compared to the standard versions.

TWDE SERIES

3:1



Double acting - 28 l/min

Art.no. **2030 TWDE**



Double acting - 28 l/min

Art.no. **2020 TWDE**

5:1



Double acting - 22 l/min

Art.no. **2035 TWDE**



Double acting - 22 l/min

Art.no. **2025 TWDE**

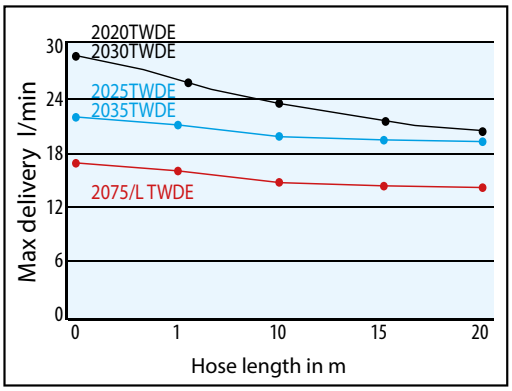


Single acting - 17 l/min

Art.no. **2075/L TWDE**

See accessories on pages 74-75 and 86-94!

Art. no.	2020TWDE	2030TWDE	2025TWDE	2035TWDE	2075/L TWDE
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)				
Rapporto compressione	3:1		5:1		
Pressione di uscita	24 bar (350 psi)		40 bar (580 psi)		
Delivery	28 l/min		22 l/min		17 l/min
Connection compressed air	3/8" BSP (F)				
Connection lubricant outlet	1/2" BSP (M)				
Max air consumption with 8 bar pressure max	230 l/min		260 l/min		230 l/min
Length suction tube	950 mm	650 mm	950 mm	650 mm	950 mm
Diameter suction tube	40 mm				
Suitable for drums of	208 l	60 l	208 l	60 l	208 l
Weight	5.5 kg	5 kg	5.7 kg	5.3 kg	4 kg
Dimensions (LxWxH) (mm)	95x95x1270	95x95x1070	95x95x1270	95x95x1070	95x95x1270



The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Pneumatic pumps for the supply of medium and high viscosity oils for the use in mobile kits or in pipeworks.

TAPIR SERIES

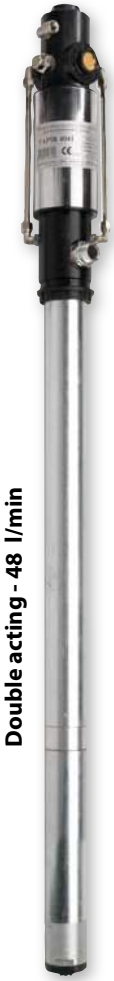
6:1



Single acting - 32 l/min

Art.no. **2012**

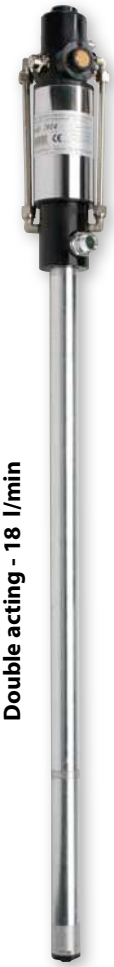
2:1



Double acting - 48 l/min

Art.no. **2013**

5:1

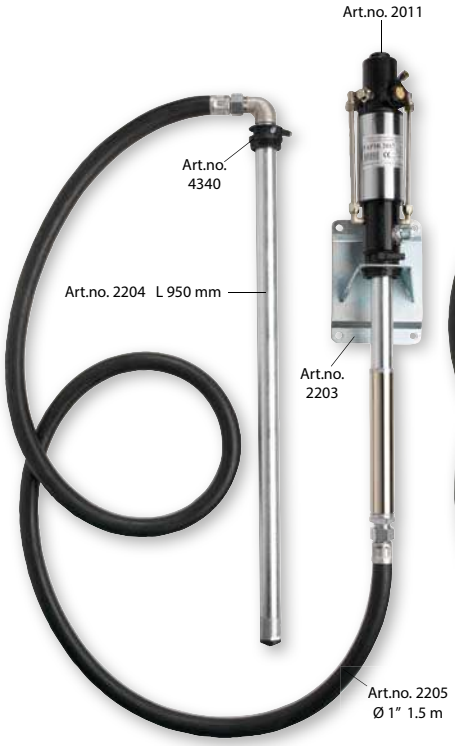


Double acting - 18 l/min

Art.no. **2015**

5:1

Double acting - 18 l/min



Art.no. **2014**

6:1

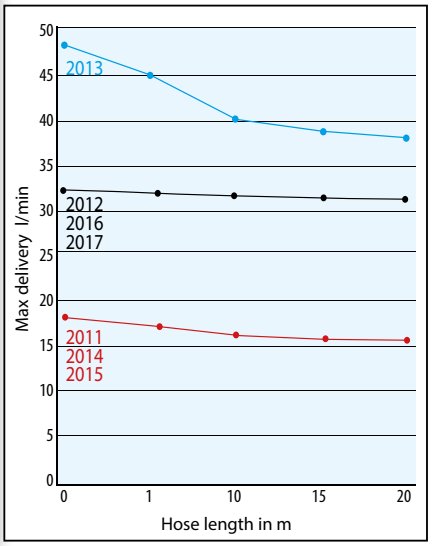
Single acting - 32 l/min



Art.no. **2016**

See accessories on pages 74-75 and 86-94!

Art. no.	2011	2012	2013	2014	2015	2016	2017
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)						
Compression ratio	5:1	6:1	2:1	5:1		6:1	
Outlet pressure	40 bar (580 psi)	48 bar (700 psi)	16 bar (232 psi)	40 bar (580 psi)		48 bar (700 psi)	
Delivery	18 l/min	32 l/min	48 l/min	18 l/min		32 l/min	
Connection compressed air	1/4" BSP (F)	1/2" BSP (F)	1/4" BSP (F)			1/2" BSP (F)	
Connection lubricant outlet	3/4" BSP (M)						
Max air consumption with 8 bar pressure	220 l/min	260 l/min	220 l/min			260 l/min	260 l/min
Length suction tube	380 mm	950 mm					240 mm
Diameter suction tube	-	40 mm	55 mm	40 mm			-
Suitable for drums of	Any	208 l					Any
Weight	7.5 kg	11 kg	8.5 kg	9.2 kg	8.2 kg	12.5 kg	7.8 kg
Dimensions (LxWxH) (mm)	95x95x780	95x95x1270		95x95x1500	95x95x1270	95x95x1500	95x95x700



The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

POWER BULL SERIES



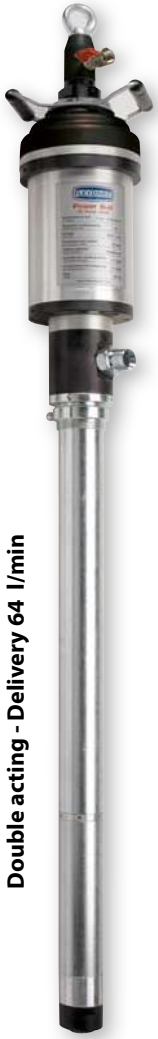
Single acting - Delivery 27 l/min

Art.no. **2057**



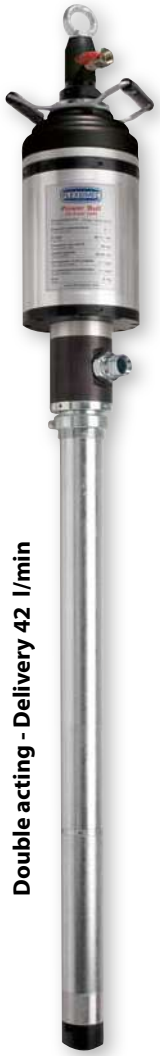
Single acting - Delivery 15 l/min

Art.no. **2058**



Double acting - Delivery 64 l/min

Art.no. **2088**

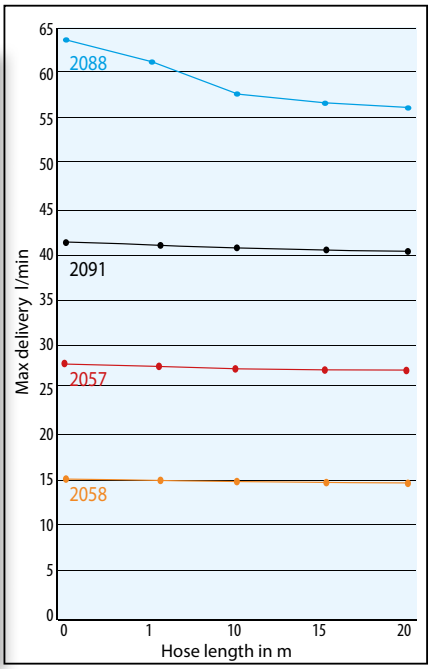


Double acting - Delivery 42 l/min

Art.no. **2091**

See accessories on pages 74-75 and 86-94!

Art. no.	2057	2058	2088	2091
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)			
Compression ratio	10:1	16:1	3.5:1	6:1
Delivery	27 l/min	15 l/min	64 l/min	42 l/min
Outlet pressure	80 bar (1160 psi)	128 bar (1860 psi)	32 bar (465 psi)	48 bar (700 psi)
Max frequence strokes/min	150	120	150	120
Max air consumption with 8 bar pressure	2.05 m^3/min	1.92 m^3/min	2.05 m^3/min	1.92 m^3/min
Diameter pneumatic piston	100 mm	125 mm	100 mm	125 mm
Diameter suction tube	50 x 40 mm	50 x 40 mm	55 x 50 mm	55 x 50 mm
Connection lubricant outlet	1" BSP (M)			
Connection compressed air	1/2" BSP (F)			
Application	Drum mounted pump			
Weight	15 kg	16 kg	16 kg	17 kg
Dimensions (LxWxH) (mm)	158x160x1600			



The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

oil

Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

POWER BULL SERIES



Single acting - Delivery 27 l/min

Art.no. **2055**



Single acting - Delivery 15 l/min

Art.no. **2056**



Single acting - Delivery 42 l/min

Art.no. **2096**



Single acting - Delivery 34 l/min

Art.no. **2097**

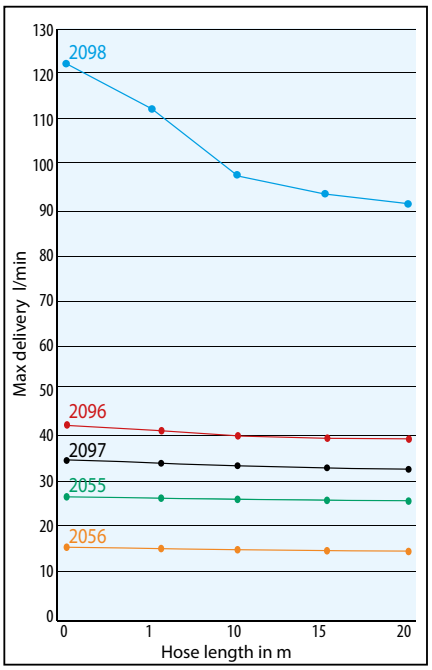


Single acting - Delivery 122 l/min

Art.no. **2098**

See accessories on pages 74-75 and 86-94!

Art. no.	2055	2056	2096	2097	2098
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)				
Compression ratio	10:1	16:1	5:1	10:1	1.5:1
Delivery	27 l/min	15 l/min	42 l/min	34 l/min	122 l/min
Outlet pressure	80 bar (1160 psi)	128 bar (1860 psi)	48 bar (700 psi)	80 bar (1160 psi)	12 bar (175 psi)
Max frequence strokes/min	150	120			
Max air consumption with 8 bar pressure	2.05 m^3/min	1.80 m^3/min			1.92 m^3/min
Diameter pneumatic piston	100 mm	125 mm	125 mm	160 mm	125 mm
Diameter suction tube	50 x 40 mm	50 x 40 mm	80 x 70 mm	80 x 70 mm	110 x 100 mm
Connection lubricant outlet	1" BSP (F)				
Connection compressed air	1/2" BSP (F)				
Application	Wall mounted pump				
Weight	15 kg	16 kg	20 kg	23 kg	21 kg
Dimensions (LxWxH) (mm)	158x160x1070		158x160x800		158x160x1070



The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.

Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

POWER BULL SERIES



Double acting - Delivery 40 l/min

Art.no. **2092**



Double acting - Delivery 67 l/min

Art.no. **2093**

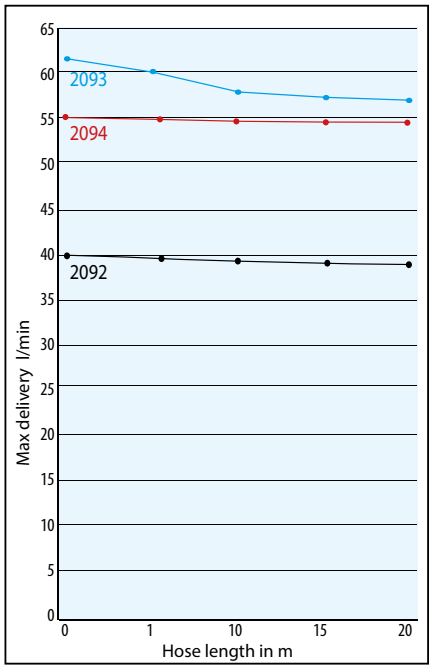


Double acting - Delivery 55 l/min

Art.no. **2094**

See accessories on pages 74-75 and 86-94!

Art. no.	2092	2093	2094
Compressed air supply	Pressure min 2 - max 8 bar (30 - 116 psi)		
Compression ratio	7:1	4:1	6:1
Delivery	40 l/min	67 l/min	55 l/min
Outlet pressure	56 bar (810 psi)	32 bar (465 psi)	48 bar (700 psi)
Max frequence strokes/min	120		60
Max air consumption with 8 bar pressure max a 8 bar	1.92 m^3/min		1.80 m^3/min
Diameter pneumatic piston	125 mm		160 mm
Diameter suction tube	55 x 50 mm	80 x 70 mm	
Connection lubricant outlet	1" BSP (M)		
Connection compressed air	1/2" BSP (F)		
Application	Wall mounted pump		
Weight	15 kg	20 kg	32 kg
Dimensions (LxWxH) (mm)	158x160x1300		



The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar



Art.no. **2214/50**
Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. nos. 2055 – 2056. Dimensions: 290 x 290 x 250 mm – ø cylinder 50 mm. Distances between fixation holes: 230 x 205 mm.

Art.no. **2214/55**
Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. no. 2092. Dimensions: 290 x 290 x 250 mm – ø cylinder 55 mm. Distances between fixation holes: 230 x 205 mm.

Art.no. **2214/80**
Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. nos. 2093 – 2094 – 2096 - 2097. Dimensions: 290 x 290 x 250 mm – ø cylinder 80 mm. Distances between fixation holes: 230 x 205 mm.

Art.no. **2214/110**
Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. no. 2098. Dimensions: 290 x 290 x 250 mm – ø cylinder 110 mm. Distances between fixation holes: 230 x 205 mm.



Art.no. **8534**
Metal rack for wall mounting of pumps, length 1350 mm.



Art.no. **2216**

Suction tube in galvanized steel, ø 55 mm, length 950 mm, with 90° - curved connection 1 1/4" BSP (M), with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series "Power Bull", with 208 l – drums.

Art.no. **2216/1000**

Suction tube in galvanized steel, ø 55 mm, length 1300 mm, with 90° - curved connection 1 1/4" BSP (M), with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series "Power Bull", with 1000 l – IBC -tanks.

Art.no. **2218**

Rubber suction hose SAE 100 R1 AT, ø 1 1/4", connections 1 1/4" BSP (F-F), length 1500 mm.

Suction tubes and suction hoses in other lengths available on demand!



Art.no. **4343/50**

Metal bung adapter for the fixation of pumps, series "Power Bull", on drums or tanks. Connection 2" BSP (M) x 50 mm. Suitable for art. nos. 2057 – 2058.

Art.no. **4343/55**

Metal bung adapter for the fixation of pumps, series "Power Bull", on drums or tanks. Connection 2" BSP (M) x 55 mm. Suitable for art. nos. 2088 – 2091.



Art.no. **7180/12**



Art.no. **7150/12**

Art.no. **7180/12**
Art.no. **7150/12**

Compressed air treatment unit, composed of pressure regulator with manometer and air filter with moisture separator (art. no. 7180/12) or pressure regulator with manometer, air filter with moisture separator and lubricator (art. no. 7150/12):
- Connections 1/2" BSP.
- Pressure range 0 - 8 bar.
- Filtration capacity of 20 microns.
- Moisture collection capacity 100 cc.
- Compressed air supply: 2880 Nl/min.



Art.no. **2203**

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series standard, TWDE and Tapir.

Dimensions: 170 x 140 x 235 mm.
Distances between fixation holes: 140 x 200 mm.

Art.no. **8534**

Metal rack for wall mounting of pumps, length 1350 mm.





Art.no. **2205**

Art.no. **2204**
Art.no. **2204/14**

Art.no. **2204**
Suction tube in galvanized steel, ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series standard, TWDE and Tapir, with 208 l – drums.

Art.no. **2204/14**
Suction tube in galvanized steel, ø 40 mm, length 1300 mm, with 90° - curved connection 1" BSP (M), with foot valve and metal bung adapter. Suitable for the use of wall-mounted pneumatic oil pumps, series standard, TWDE and Tapir, with 1000 l – IBC -tanks.

Art.no. **2205**
Rubber suction hose SAE 100 R1 AT, ø 1", connections 1" BSP (F-F), length 1500 mm.



Art.no. **4340**
Art.no. **4340/55**



Art.no. **4341**

Art.no. **4340**
Plastic bung adapter for the fixation of pumps on drums, connection 2" BSP (M) x 40 mm.

Art.no. **4340/55**
Plastic bung adapter for the fixation of pumps on drums, connection 2" BSP (M) x 55 mm for art. nos. 1071, 1072, 2013, 2040, 2043/L, 2047/L.

Art.no. **4341**
Plastic lock ring, 2", for bung adapter art. no. 4340.



Art.no. **2212**

Steel mounting plate, for the fixation of pneumatic pumps and accessories on 1000 l – IBC – tanks. Prepared for bung adapter for the fixation of pumps Ø 2", connection thread 3/4" BSP (F).

Dimensions: 270 x 270 mm.



Art.no. **2217**

Connection adapter for 1000 l – IBC – tanks in PP, ø 70 mm, connection 1" BSP (M).





Art.no. **7150**



Art.no. **7180**

Art.no. **7150**

Combined compressed air treatment kit, composed of pressure regulator with manometer, air filter with automatic bleeding, air line oil mist lubricator, lockable regulating screw, air nipple for hose connection and connection adapter for the installation at the compressed air inlet of the pump.

Art.no. **7180**

Combined compressed air pressure regulator with manometer and air filter with automatic bleeding, with lockable regulating screw, air nipple for hose connection and connection adapter for the installation at the compressed air inlet of the pump.

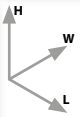


Pneumatic rotary gear pump for the transfer of low viscosity oil, antifreeze, diesel, water.

Stainless steel shaft and pump body, Viton® gaskets, brass gears (art. no. 6559) or plastic gears (art. no. 1058).



Art. no.	Compressed air supply	Outlet pressure	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
6559	4 bar	4 bar	10.5 l/min	3/8" BSP (F)	1.5 kg	165x160x80
1058	4 bar	4 bar	10.5 l/min	3/8" BSP (F)	1.5 kg	165x160x80





Electric gear pump for an intermittent use, for the transfer of low viscosity oil (Oil), antifreeze (A), diesel (D), water (W).

Protection category IP55. Pump body in brass, gears in bronze and pump shaft in stainless steel.

Electric cable and crocodile clamps not included.

Art. no.	Voltage	Current drain	Suitable Fluids	Delivery	Outlet pressure	Connections	Weight	Dimensions (LxWxH) (mm)
6302	12 VDC	6 A	A - D - W	15 l/min	2 bar	3/8" BSP (F)	1.5 kg	165x160x80
6303		5 A	Oil	5.5 l/min	2 bar		2.5 kg	165x166x80
6304	24 VDC	3 A	A - D - W	15 l/min	2 bar		1.5 kg	165x160x80
6305	12 VDC	11 A	Oil	15 l/min	3 bar	1/2" BSP (F)	4.5 kg	180x230x83
6308	24 VDC	3 A	Oil	5.5 l/min	2 bar	3/8" BSP (F)	1.4 kg	165x166x80
6309		6 A	Oil	15 l/min	3 bar	1/2" BSP (F)	4.5 kg	180x230x83



Electric gear pump for an intermittent use, for the transfer of low viscosity oil (Oil), antifreeze (A), diesel (D), water (W).

Pump body in brass, gears in bronze and pump shaft in stainless steel. With metal cover, ON-/OFF switch and 1 m - cable with alligator clamps for battery connection. Protection category IP55.



Art. no.	Voltage	Current drain	Suitable Fluids	Delivery	Outlet pressure	Connections	Weight	Dimensions (LxWxH) (mm)
6312	12 VDC	6 A	A - D - W	15 l/min	2 bar	3/8" BSP (F)	2.5 kg	165x160x80
6314		11 A	Oil	15 l/min	3 bar	1/2" BSP (F)	4.5 kg	185x240x85
6324	24 VDC	3 A	A - D - W	15 l/min	2 bar	3/8" BSP (F)	2.5 kg	165x160x80
6326		6 A	Oil	15 l/min	3 bar	1/2" BSP (F)	4.5 kg	185x240x85



Electric self-priming gear pump, for the supply of oil, antifreeze, diesel; guarantees a constant flow and a low noise level.

Pump body in stainless steel, gears in brass and pump shaft in stainless steel.

Includes a bypass valve preset on 5 bar pressure and 1.5 m - electric cable with crocodile clamps for battery connection.

Protection category IP 55.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
6112	12 VDC	240 W	30 A	3400	3 - 15 bar	10.5 l/min	1/2" BSP (M)	3.5 kg	260x130x140
6114	24 VDC		15 A						

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Electric self-priming gear pump, for the supply of oil, antifreeze, diesel; guarantees a constant flow and a low noise level.

Pump body in stainless steel, gears in brass and pump shaft in stainless steel.

Includes a bypass valve preset on 10 bar pressure and 1,5 m - electric cable with SCHUKO plug.

Protection category IP 55.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
6125	110 V - 60 Hz	550 W	8.7 A	3310	5 - 20 bar	10.5 l/min	M 1/2" BSP	7.5 kg	240x290x180
6122	230 V - 50 Hz		3.8 A	2760					
6128	230/400V - 50 Hz		2.8 A	2710					
	230/400V - 60 Hz		2.4 A	3300					

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Electric rotary pump, for the supply of oil, waste oil, antifreeze, diesel for low pressure applications
Pump body in aluminium and NBR seals, plastic rotor.

Art. no.	Voltage	Power	Outlet pressure	Flow rate	Connections	Weight	Dimensions (LxWxH) (mm)
6437	230 V - 50 Hz	850 W 920 W	3,5 bar	30 l/min	3/4" BSP (F)	9 kg	380x280x200

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

EASY Model



Art.no. **7377/2**
380V control panel for art. no. 6129

Electric self-priming gear pump, for the supply of oil, antifreeze, diesel, water; guarantees a constant flow and a low noise level.
Pump body in stainless steel, gears in brass and pump shaft in stainless steel.
Kit includes a bypass valve preset on 10 bar pressure with a wide regulation range, an inline oil filter, a manometer for outlet pressure control, a 1,5 m - electric cable with SCHUKO plug and an electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed.
Protection category IP 55.
NOTE: for art. no. 6129, the control panel art. no. 7377/2 is required.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
6126	110 VAC - 50 Hz	550 W	3.8 A	3310	5 - 20 bar	10.5 l/min	1/2" BSP (M)	11.5 kg	140x200x300
6127					1 - 12 bar				
6141	230 VAC - 50 Hz			2760	5 - 20 bar				
6142					1 - 12 bar				
6129	380 VAC - 50 Hz				5 - 20 bar				

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Art.no. **7377/2**
380V control panel for art. no. 6129/C

Encased electric oil kit composed by:
- Electric, self-priming pump with body in stainless steel and brass gear;
- ON/OFF - switch;
- Control lights for function control;
- 1,5 m - electric cable with SCHUKO plug;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Bypass valve preset on 10 bar pressure;
- Manometer for outlet pressure control;
- Pressure relief valve;
- Metal cabinet with wall-mounting bracket.

Protection category IP 55.

NOTE: for art. no. 6129/C, the control panel art. no. 7377/2 is required.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
6126/C	110 VAC - 50 Hz	550 W	3.8 A	3310	5 - 20 bar	10.5 l/min	1/2" BSP (M)	14 kg	300x260x480
6127/C					1 - 12 bar				
6141/C	230 VAC - 50 Hz			2760	5 - 20 bar				
6142/C					1 - 12 bar				
6129/C	380 VAC - 50 Hz				5 - 20 bar				

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



EUROPEAN PATENT
no. 19162312.3-1101
no. 102018000003982

Electric, self-priming brass gear pump, for the supply of oil.

Consisting of:
- electric, self-priming pump with body in stainless steel and brass gear;
- automatic air separator kit, art. no. 2054, suitable to separate the air eventually present in the suction line from the oil, with automatic pump stop device; includes also manometer for the control of the outlet pressure and non-return valve;
- control box with push button and electric connection cable;
- double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- bypass valve preset on 10 bar pressure;
- 1.5 m - electric cable with SCHUKO plug.

Protection category IP 55.

Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure adjustment range	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
6124	230 VAC - 50 Hz	550 W	3.8 A	2760	5 - 20 bar	10 l/min	1/2" BSP (M)	13 kg	140x290x300

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

OIL PROFESSIONAL Model



Electric gear pump, self-priming, for the supply of oil under demanding conditions at medium pressure and with long pumping distances; guarantees a constant flow and delivery, even after long pumping distances or with simultaneous supplies.
Available with motors in 230 VAC, 400 VAC and 110 VAC.
Models 6135 and 6138 are also available in the 60 Hz version (art.no. **6135/60** and art.no. **6138/60**)
Includes a bypass valve preset on 28 bar pressure.
Electric cable with plug not included.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery	Connections IN - OUT	Weight	Dimensions (LxWxH) (mm)
6133	230/400V - 50 Hz	2,2 kW	8 A	2870	28 bar	30 l/min	1" BSP (F) 1" BSP (F)	28 kg	450x180x250
6135	230 V - 50 Hz		14.6 A	1300				30 kg	
6135/60	230 V - 60 Hz		14.6 A	1300					
6138	230/400V - 50 Hz		9 A	1400					
6138/60	230/400V - 60 Hz		8.3 A	1680					
6149	230/400V - 50 Hz		8 A	2870	10 bar	52 l/min		32 kg	

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

KIT PROFESSIONAL



Kit **6136**

Electric gear pump, art. no. 6135, equipped with kit art. no. 7373 consisting of pressure accumulator, inline oil filter, non-return valve, manometer, connection adapters and an electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed. The pressure accumulator guarantees a constant oil flow by avoiding continuous starts and stops of the motor that could cause damages in case of dispensing small quantities.

Includes a bypass valve preset on 28 bar pressure.

Electric cable with plug not included.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery	Connections IN - OUT	Weight
6136	230 VAC - 50 Hz	2.2 kW	15 A	1400	28 bar	30 l/min	1" BSP (M) 1" BSP (M)	33 kg

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.

KIT CARENATO



Kit **3049**

Encased oil supply kit, composed of: electric gear pump, art. no. 6136, metal and lockable cabinet, art. no. 7376, and safety switch of protection category IP 55, art. no. 7370/2, with 3 m – cable and plug.

Kit **3050**

Encased oil supply kit, such as art. no. 3049, but including electric gear pump, art. no. 6149, with delivery 52 l/min and safety switch of protection category IP 55, art. no. 7377. Ideal for pipework installations.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery	Connections IN - OUT	Weight	Dimensions (LxWxH) (mm)
3049	230 VAC - 50 Hz	2.2 kW	15 A	1400	28 bar	30 l/min	1" BSP (M) 1" BSP (M)	37 kg	600x500x300
3050	400 VAC - 50 Hz		10 A	2760	10 bar	52 l/min		39 kg	

Performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - free flow outlet.



Art.no. **8318**

Pneumatic double diaphragm pump, selfpriming up to 5 m suction lift, working also in dry running condition, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 3 mm size, body in PP, diaphragms in NBR + PTFE, balls in stainless steel, gaskets in EPDM, seats in PP.
The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

Art.no. **7818**

Wall mounting bracket for pneumatic diaphragm pump.



Art.no. **7818**

EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
8318	20 l/min	5 m	2 - 8 bar	1/4" BSP (F)	3/8" BSP (F)	110 l/min	1.1 kg	146x93x164



Art.no. **8319**

Pneumatic double diaphragm pump, selfpriming up to 5 m suction lift, working also in dry running condition, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 3.5 mm size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in PTFE, gaskets in Viton®, seats in aluminium.
The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

Art.no. **7818**

Wall mounting bracket for pneumatic diaphragm pump.



Art.no. **7818**

EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
8319	55 l/min	5 m	2 - 8 bar	1/4" BSP (F)	1/2" BSP (F)	200 l/min	4 kg	234x156x245



Art.no. **8320**
Art.no. **8321**

Pneumatic double diaphragm pump, working also in dry running condition, selfpriming up to 5 m suction lift, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 4 mm (art.no. 8320) / 7,5 mm (art. no. 8321) size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in PTFE, o – rings in Viton®, seats in aluminium.
The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

Art.no. **7818**
Wall mounting bracket for pneumatic diaphragm pump art.no. 8320.

Art.no. **7819**
Wall mounting bracket for pneumatic diaphragm pump art.no. 8321.



Art.no. **7818**
Art.no. **7819**

EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
8320	100 l/min	5 m	2 - 8 bar	3/8" BSP (F)	3/4" BSP (F)	250 l/min	7 kg	265x175x245
8321	165 l/min			1/2" BSP (F)	1" BSP (F)	800 l/min	16 kg	370x222x364



Art.no. **8322**

Pneumatic double diaphragm pump, working also in dry running condition, selfpriming up to 5 m suction lift, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 7.5 mm size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in PTFE, o – rings in Viton®, seats in aluminium.
The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

Art.no. **7819**

Wall mounting bracket for pneumatic diaphragm pump.



Art.no. **7819**

EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
8322	250 l/min	5 m	2 - 8 bar	1/2" BSP (F)	1 1/4" BSP (F)	900 l/min	15 kg	370x222x370



Art.no. **8323**

Pneumatic double diaphragm pump, working also in dry running condition, selfpriming up to 5 m suction lift, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 8.5 mm size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in PTFE, o – rings in Viton®, seats in aluminium.
The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

Art.no. **7819**

Wall mounting bracket for pneumatic diaphragm pump.



Art.no. **7819**

EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
8323	680 l/min	5 m	2 - 8 bar	3/4" BSP (F)	2" BSP (F)	2400 l/min	36 kg	595x345x567



Art.no. **8324**

Pneumatic double diaphragm pump, working also in dry running condition, selfpriming up to 5 m suction lift, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 8 mm size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in SS, o – rings in Viton®, seats in aluminium.
The pump is constructed in accordance with directive ATEX 2014/34/EU - zone 2.

Art.no. **7819**

Wall mounting bracket for pneumatic diaphragm pump.



Art.no. **7819**

EX II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
8324	380 l/min	5 m	2 - 8 bar	1/2" BSP (F)	1 1/2" BSP (F)	1200 l/min	22 kg	444x260x563

Manual lever action drum pumps, available as single action or double action versions, made of carbon steel with components in aluminium and seals in Viton®.
Main fields of application: transfers and dispenses of small quantities of oil or antifreeze from drums.



Art.no. **5410**



Art.no. **5420**



Art.no. **5403**



Art.no. **5405**



Art.no. **2824**
Electronic flow meter art. no. 2967 (see page 88!) with connection adapter for manual pumps, 1 m - outlet hose and rigid outlet with automatic anti-drip nozzle.



Example for application on pump.



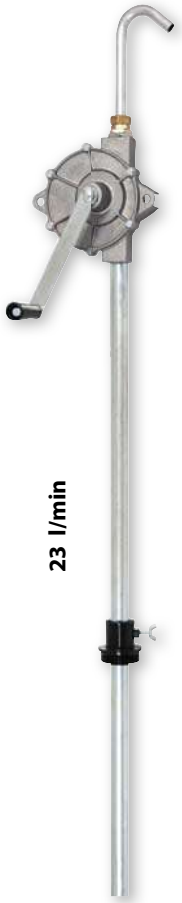
Art.no. **5420/GO**

Art. no.	5403	5405	5410	5420 5420/GO
Delivery	16 l/min	24 l/min	8 l/min	16 l/min
Delivery/stroke	0.25 l	0.48 l	0.13 l	0.23 l
Connection lubricant outlet	3/4" BSP (M)			
Length suction tube	1000 mm			
Dimensions LxWxH (mm)	80x80x1350			
Suitable for drums of	208 l			
Weight	2.3 kg	2.3 kg	2.2 kg	2.2 kg

Art. nos. 5420 and 5420/GO are suitable especially for use with gear oils up to SAE 90.

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C -- free flow outlet

Manual lever action and rotary drum pumps, made of carbon steel with components in aluminium.
Main fields of application: transfers and dispenses of small quantities of oil or diesel from drums.



Art.no. **5300**



Art.no. **5300/FD**



Art.no. **5409**



Art.no. **5400**
Art.no. **5450**



Art.no. **5415**

Suitable especially for use with gear oils up to SAE 140.

Art. no.	5409	5415	5300 5300/FD	5400	5450
Delivery	12 l/min	25 l/min	23 l/min	9 l/min	13.5 l/min
Delivery/stroke (rotation)	0.25 l		0.32 l	0.11 l	0.40 l
Connection lubricant outlet	3/4" BSP (M)	Hose tail Ø 20 mm			
Length suction tube	1000 mm	650 mm	1000 mm		
Dimensions LxWxH (mm)	100x100x944		300x220x1070	100x100x944	120x120x1110
Suitable for drums of	60/208 l	60 l	208 l		
Weight	1.8 kg		3.8 kg	1.3 kg	2.2 kg

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C -- free flow outlet

Manual oil dispensing units, consisting of a portable container with or without wheels and a lever action pump suitable for transfers and dispenses of small quantities of oil, in applications where no other power supply is available.



Art.no. **5200**

Portable oil dispensing unit, consisting of lever action oil pump, metal 16 l – container, 1.5 m – hose with curved rigid outlet pipe.

Art. no.	Delivery	Delivery/stroke	Capacity container	Weight	Dimensions (LxWxH) (mm)
5200	8 l/min	0.13 l	16 l	7.3 kg	250x320x660



Art.no. **5216**

Mobile oil dispensing unit, consisting of lever action oil pump, metal 16 l – container, 1.5 m – hose with curved, rigid outlet pipe and trolley with 2 wheels.

Art. no.	Delivery	Delivery/stroke	Capacity container	Weight	Dimensions (LxWxH) (mm)
5216	8 l/min	0.13 l	16 l	10 kg	500x460x880



Art.no. **5423**

Mobile oil dispensing unit, suitable for the use with gear oils, consisting of lever action oil pump, metal 24 l – container with 2 wheels and level indicator, 1.5 m – hose with curved, rigid gear oil outlet pipe and anti-drip shut-off valve, particularly suitable for ATF – filling.

Art. no.	Delivery	Delivery/stroke	Capacity container	Weight	Dimensions (LxWxH) (mm)
5423	8 l/min	0.13 l	24 l	12 kg	380x410x770



Art.no. **5434**

Mobile oil dispensing unit, suitable for the use with gear oils, consisting of lever action oil pump suitable for drums up to 60 l, trolley with 3 wheels and pump holder, 1.5 m – hose with curved, rigid gear oil outlet pipe, particularly suitable for ATF filling.

Art. no.	Delivery	Delivery/stroke	Suitable for drums of	Weight	Dimensions (LxWxH) (mm)
5434	8 l/min	0.13 l	up to 60 l	14 kg	600x380x1010

Pneumatic oil dispensing units, consisting of a portable container with or without wheels that must be pressurized with compressed air, permitting an oil supply until the overpressure is carried to end. Suitable for transfers and dispenses of small quantities of oil.



Art.no. **3327**

Mobile oil dispensing unit, consisting of 24 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun, art. no. 2185, with rigid outlet and automatic anti-drip nozzle. Max pressure 7 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
3327	7 bar	24 l	9.8 kg	350x400x950



Art.no. **3396**

Mobile oil dispensing unit, consisting of 24 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun with electronic flow meter, art. no. 2962, with rigid outlet and automatic anti-drip nozzle.
Max pressure 7 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
3396	7 bar	24 l	12 kg	350x400x950



Art.no. **3358**

Mobile oil dispensing unit, consisting of 40 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun, art. no. 2185, with rigid outlet and automatic anti-drip nozzle. Max pressure 5 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
3358	5 bar	40 l	18 kg	380x400x1010



Art.no. **3359**

Mobile oil dispensing unit, consisting of 40 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1.6 m – rubber hose, oil control gun with electronic flow meter, art. no. 2962, with rigid outlet and automatic anti-drip nozzle.
Max pressure 5 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions (LxWxH) (mm)
3359	5 bar	40 l	18.5 kg	380x400x1010

Ø 1/2"



Art.no. **2180**
Oil control gun, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, connections 1/2" BSP (F), max flow 50 l/min, max pressure 70 bar.

Art.no. **2181**
Oil control gun, based on art. no. 2180, with 1/2" BSP (M) inlet swivel, flexible rubber outlet, Ø 1/2", with 80° stem and automatic anti-drip nozzle.

Art.no. **2182**
Oil control gun, based on art. no. 2180, with 1/2" BSP (M) inlet swivel, flexible rubber outlet, Ø 1/2", with 90° stem and manual anti-drip nozzle.

Art.no. **2185**
Oil control gun, based on art. no. 2180, with 1/2" BSP (M) inlet swivel, rigid outlet, Ø 12 mm and automatic anti-drip nozzle.

Art.no. **2185/AG**
Antifreeze control gun, based on art. no. 2180, with 1/2" BSP (M) inlet swivel, rigid outlet, Ø 12 mm and automatic anti-drip nozzle.

Art.no. **2186**
Oil control gun, based on art.no. 2185, but equipped with combined manual/automatic anti-drip nozzle, art.no. 2146.

Art.no. **2187**
Oil control gun, based on art.no. 2181, but equipped with combined manual/automatic anti-drip nozzle, art.no. 2146.

Ø 3/4"



Art.no. **2154**
Oil control gun, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, connections 3/4" BSP (F), max. flow 100 l/min., max. pressure 70 bar.

Art.no. **2155**
Oil control gun, based on art.no. 2154, with 3/4" BSP (M) inlet swivel, rigid outlet, ø 3/4", without automatic anti-drip nozzle.

Art.no. **2156**
Oil control gun, based on art.no. 2154, with 3/4" BSP (M) inlet swivel, rigid outlet, ø 3/4", and automatic anti-drip nozzle.

Art.no. **2157**
Oil control gun, based on art.no. 2154, with 3/4" BSP (M) inlet swivel, flexible rubber outlet, ø 3/4", and automatic anti-drip nozzle.

Ø 1"



Art.no. **2159**
High delivery oil control gun, body in anodized aluminium, impact resistant, connections 1" BSP (F), max. flow 150 l/min., max. pressure 100 bar.

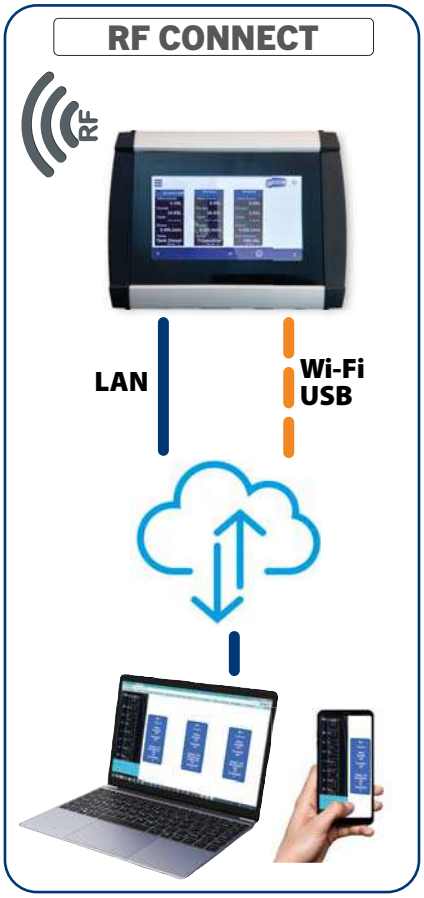
Art.no. **2162**
High delivery oil control gun, based on art.no. 2159, with 1" BSP (M) inlet swivel, flexible rubber outlet, ø 1" (Ø 25x32 mm), with connections 1" BSP (M) and automatic anti-drip nozzle.

Art.no. **2161**
High delivery oil control gun, based on art.no. 2159, with 1" BSP (M) inlet swivel, rigid outlet Ø 26x32 mm and automatic anti-drip nozzle.

FLEXBIMEC expands its range of electronic oil flow meters with 2 and 4-button new lines: 2TT and 4TT.
All models have been redesigned with a new generation hardware board and have been structurally improved to facilitate some operations such as battery replacement and easier reading thanks to the larger display.
The models are available in two versions: with and without preset function.
The preset function allows to predetermine the quantity to be dispensed. All models are available with the option of radio frequency data transmission to be used in combination with RF CONNECT.

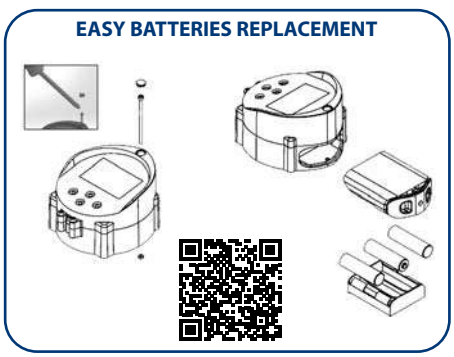
2TT





4TT - 4TTPS





Ø 1/2"

2TT



Art.no. **2962**
Oil
Art.no. **2963**
Antifreeze



Art.no. **2964**
Oil
Art.no. **2964/AG**
Antifreeze



Art.no. **2968**
Oil



Art.no. **2969**
Oil



Art.no. **2967**
Oil
Art.no. **2967/AG**
Antifreeze

The **new electronic flow meter series *2TT NEPTUNE*** features the following characteristics:
- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component.

The flow meter allows to display four different measurement results:
1) the quantity of each individual fluid dispense: single operation measurement (resettable),
2) **FLOW:** It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
3) **TRIP:** the quantity of a sum of dispenses: partial totalizer (resettable)
4) **TOTAL:** the total of all dispenses ever made: absolute totalizer (not resettable)

- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries throught a rear holder;
- the flow meter is equipped by a rubber protection guard;
- the control gun includes a trigger guard and an intergrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.

Art.no. **2962**
Electronic oval gears flow meter for **oil**, series **NEPTUNE**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2963**
Electronic oval gears flow meter for **antifreeze**, series **NEPTUNE**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2964**
Electronic oval gears flow meter for **oil**, series **NEPTUNE**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2964/AG**
Electronic oval gears flow meter for **antifreeze**, series **NEPTUNE**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic antidrip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2969**
Electronic oval gears flow meter for **oil**, series **NEPTUNE**, with control gun, rigid outlet ø 16 mm, automatic anti-drip nozzle.

Art.no. **2968**
Electronic oval gears flow meter for **oil**, series **NEPTUNE**, with control gun, flexible rubber outlet, with curved rigid 90° stem, automatic antidrip nozzle.

Art.no. **2967**
Electronic oval gears flow meter for **oil**, series **NEPTUNE**, suitable for inline applications, connections 1/2" BSP (F).

Art.no. **2967/AG**
Electronic oval gears flow meter for **antifreeze**, series **NEPTUNE**, suitable for inline applications.

Art. no.	2962	2963	2964 2964/AG	2969	2968	2967 2967/AG
Connections	1/2" BSP (M)					1/2" BSP (F)
Flow rate min – max	1 - 20 l/min					
Temperature	+ 5°C / + 50°C					
Max pressure	70 bar (1015 psi)					
Precision	± 0.5%					
Total max (resettable)	99999 l					
Total max (non-resettable)	99999 l					
Voltage	3 x 1.5 V					
Weight	1.4 kg					0.83 kg

Not approved for fiscal transactions.

RF Ø 1/2"

4TT



Art.no. **2811**
Art.no. **2811/RF**
Oil

Art.no. **2813**
Art.no. **2813/RF**
Antifreeze



Art.no. **2812**
Art.no. **2812/RF**
Oil



Art.no. **2810**
Art.no. **2810/RF**
Oil

Art. no.	2811 2811/RF	2813 2813/RF	2812 2812/RF	2810 2810/RF
Connections	1/2" BSP (M)			1/2" BSP (F)
Flow rate min – max	1 - 20 l/min			
Temperature	+ 5°C / + 50°C			
Max pressure	70 bar (1015 psi)			
Precision	± 0.5%			
Total max (resettable)	99999 l			
Total max (non-resettable)	99999 l			
Voltage	3 x 1.5 V			
Weight	1.4 kg			0.60 kg

Not approved for fiscal transactions.

The **new electronic flow meter series *4TT*** features the following characteristics:
- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component.;
- the flow meter allows to display five different measurement results:

1) the quantity of each individual fluid dispense: single operation measurement (resettable),
2) **FLOW:** It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
3) **TRIP:** the quantity of a sum of dispenses: partial totalizer (resettable),
4) **TOTAL:** the total of all dispenses ever made: absolute totalizer (not resettable),
5) **MEMORY:** traceability of operations up to 1,000 records with indication of the unit of measurement, date and time in which the delivery was performed.

- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries throught a rear holder;
- the flow meter is equipped by a rubber protection guard;
- the control gun includes a trigger guard and an intergrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.

Art.no. **2811**
Electronic oval gears flow meter for **oil**, series **MARS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2813**
Electronic oval gears flow meter for **antifreeze**, series **MARS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2812**
Electronic oval gears flow meter for **oil**, series **MARS**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2810**
Electronic oval gears flow meter for **oil**, series **MARS**, suitable for inline applications, connections 1/2" BSP (F).

The flow meters of series JUPITER are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the RF CONNECT control unit.

Art.no. **2811/RF**
Electronic oval gears flow meter for **oil**, series **JUPITER**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2813/RF**
Electronic oval gears flow meter for **antifreeze**, series **JUPITER**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2812/RF**
Electronic oval gears flow meter for **oil**, series **JUPITER**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2810/RF**
Electronic oval gears flow meter for **oil**, series **JUPITER**, suitable for inline applications, connections 1/2" BSP (F).

RF Ø 1/2"

oil

4TTPS

PRESET



Art.no. **2815**
Art.no. **2815/RF**
Oil

Art.no. **2817**
Art.no. **2817/RF**
Antifreeze

Art.no. **2816**
Art.no. **2816/RF**
Oil

Art.no. **2819**
Art.no. **2819/RF**
Oil

Art. no.	2815 2815/RF	2817 2817/RF	2816 2816/RF	2819 2819/RF
Connections	1/2" BSP (M)			
Flow range	1 - 20 l/min			
Operating temperature range	+ 5°C / + 50°C			
Max working pressure	50 bar (725 psi)			
Accuracy	± 0.5%			
Total max resettable	99999 l			
Total max non resettable	99999 l			
Voltage	3 x 1.5 V			
Weight	2 kg			

Not approved for fiscal transactions.

The **new electronic flow meter series *4TTPS*** features the following characteristics:
- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component.

The flow meter allows to display six different measurement results:
1) the quantity of each individual fluid dispense: single operation measurement (resettable),
2) **FLOW:** It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
3) **TRIP:** the quantity of a sum of dispenses: partial totalizer (resettable)
4) **TOTAL:** the total of all dispenses ever made: absolute totalizer (not resettable)
5) **MEMORY:** traceability of operations up to 1,000 records with indication of the unit of measurement, date and time in which the delivery was performed.
6) **PSET:** preselection of the quantity to be dispensed.

- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries throught a rear holder;
- the flow meter is equipped by a rubber protection guard;
- the control gun includes a trigger guard and an intergrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.

Art.no. **2815**
Electronic oval gears preset flow meter for **oil**, series **MERCURY**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2817**
Electronic oval gears preset flow meter for **antifreeze**, series **MERCURY**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, manual anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2816**
Electronic oval gears preset flow meter for **oil**, series **MERCURY**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2819**
Electronic oval gears preset flow meter for oil, series **MERCURY**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 16 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

The flow meters of series URANUS are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the RF CONNECT control unit.

Art.no. **2815/RF**
Electronic oval gears preset flow meter for **oil**, series **URANUS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2817/RF**
Electronic oval gears preset flow meter for **antifreeze**, series **URANUS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 12 mm, manual anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2816/RF**
Electronic oval gears preset flow meter for **oil**, series **URANUS**, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2819/RF**
Electronic oval gears preset flow meter for **oil**, series **URANUS**, with control gun, rubber protection guard, trigger guard, rigid outlet ø 16 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).



Art.no. **2634**

Art.no. **2634**

Electronic oval gears high delivery flow meter for oil, **series *Oil Neptune HFlow,*** with control gun ø 3/4", trigger guard, cartridge filter, rigid outlet, automatic anti-drip nozzle and 3/4" BSP (M) inlet swivel.

This high volume series allows to accelerate the oil supplies by the use of a flow meter that guarantees high accuracy measurement even at high flow rates.

Art.no. **2706**

Rubber protection guard, suitable for flow meters of high delivery series "Oil HFlow". Provides a good protection against any shocks.





Art.no. **2635**

Art.no. **2635**

Electronic oval gears high delivery flow meter for oil, **series *Oil Neptune HFlow,*** with control gun ø 3/4", trigger guard, cartridge filter, flexible rubber outlet ø 3/4", automatic anti-drip nozzle and 3/4" BSP (M) inlet swivel.

Art. no.	**2634**	**2635**
Connections	3/4" BSP (M)	
Flow rate min – max	10 - 90 l/min	
Temperature	+ 5°C / + 50°C	
Max pressure	70 bar (1015 psi)	
Precision	± 1%	
Total max (resettable)	9999 l	
Total max (non-resettable)	9999 l	
Voltage	3 x 1,5 V	
Weight	3.7 kg	

Not approved for fiscal transactions.



Art.no. **2754**



Art.no. **2755**

Art.no. **2754**

Electronic oval gears high delivery flow meter for oil, **series *Oil Neptune HFlow,*** with control gun ø 1", trigger guard, cartridge filter, rigid outlet ø 20 mm, automatic anti-drip nozzle and 1" BSP (M) inlet swivel.

This high volume series allows to accelerate the oil supplies by the use of a flow meter that guarantees high accuracy measurement even at high flow rates.



Art.no. **2751**
Art.no. **2752**

Art.no. **2751**

Electronic oval gears high delivery flow meter for oil, **series *Oil Neptune HFlow,*** suitable for inline applications, connections 1" BSP (F).

Art.no. **2752**

Electronic oval gears high delivery flow meter for oil, **series *Oil Neptune HFlow,*** suitable for inline applications, connections 1" 1/4 BSP (F).

Art.no. **2755**

Electronic oval gears high delivery flow meter for oil, **series *Oil Neptune HFlow,*** with control gun ø 1", trigger guard, cartridge filter, flexible rubber outlet ø 1", automatic anti-drip nozzle and 1" BSP (M) inlet swivel.

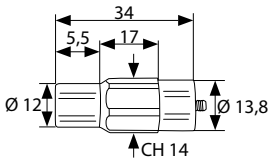
Art.no.	2751	2752	2754	2755
Connections	1" BSP (F)	1" 1/4 BSP (F)	1" BSP (M)	
Flow rate min – max	20 - 100 l/min	20 - 150 l/min	20 - 100 l/min	
Temperature	+ 5°C / + 50°C			
Max pressure	40 bar (580 psi)		100 bar (1450 psi)	
Precision	± 1%			
Total max (resettable)	9999 l			
Total max (non-resettable)	9999 l			
Voltage	3 x 1.5 V			
Weight	1.6 kg	1.8 kg	3.9 kg	

Not approved for fiscal transactions.



Art.no. **2114**

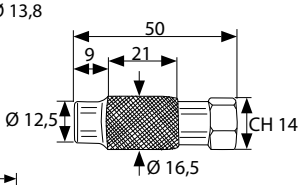
Art.no. **2114**
Automatic anti-drip nozzle, Ø 12 mm - length 34 mm.
Connection M10x1 (F).





Art.no. **2121**

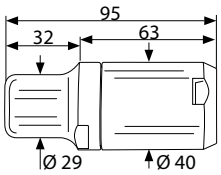
Art.no. **2121**
Manual anti-drip nozzle Ø 12.5 mm. Connection M10x1 (F).





Art.no. **2143**

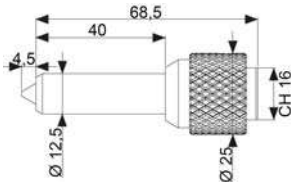
Art.no. **2143**
Automatic anti-drip nozzle ø 29 mm, suitable for high delivery oil control guns, connection 1" BSP (F).





Art.no. **2146**

Art.no. **2146**
Manual anti-drip nozzle with tap Ø 12.5 mm.
Connection M10x1 (F).





Art.no. **2108**



Art.no. **2110**



Art.no. **2115**



Art.no. **2132**



Art.no. **2136**



Art.no. **2104**



Art.no. **2142**



Art.no. **2140**

Art.no. **2104**
Straight flexible rubber outlet, length 300 mm, with manual anti-drip nozzle with screw regulation. Connection 1/2" BSP (M).

Art.no. **2108**
Curved rigid outlet, Ø 12 mm, 1/2" BSP (M), with automatic anti-drip nozzle.

Art.no. **2110**
Standard rigid outlet, Ø 12 mm, 1/2" BSP (M), with automatic anti-drip nozzle.

Art.no. **2115**
Standard rigid outlet, Ø 16 mm, 1/2" BSP (M), with automatic anti-drip nozzle.

Art.no. **2132**
Flexible rubber outlet, Ø 1/2", with curved rigid 80° stem and automatic anti-drip nozzle. Connection 1/2" BSP (M).

Art.no. **2136**
Flexible rubber outlet, ø 1/2", with curved rigid 90° stem and combined manual anti-drip nozzle with tap, art.no. 2146. Connection 1/2" BSP (M).

Art.no. **2140**
Inline oil flow control tube, with transparent insert. Connection 1/2" BSP (M/F).

Art.no. **2142**
Flexible rubber outlet, Ø 1/2", with curved rigid 80° stem and manual anti-drip nozzle. Connection 1/2" BSP (M).



Art.no. **2106**



Art.no. **1107**

Art.no. **1107**
Inlet swivel, in stainless steel AISI 304, connections 1/2" BSP (M), max static pressure 200 bar.

Art.no. **2106**
Inlet swivel, in galvanized steel, connections 1/2" BSP (M), max static pressure 200 bar.

Art.no. **2106/NPT**
Inlet swivel, in galvanized steel, connections 1/2" BSP -NPT (M), max static pressure 200 bar.



Art.no. **2107/34**
Inlet swivel, in galvanized steel, connections 3/4" BSP (M) – 1" BSP (F), max. static pressure 150 bar.

Art.no. **2107/10**
Inlet swivel, in galvanized steel, connections 1" BSP (M) – 1" BSP (F), max. static pressure 150 bar.

Art.no. **2107/35**
Inlet swivel, in galvanized steel, connections 3/4" BSP (M) – 1" BSP (M), max. static pressure 150 bar.

Art.no. **2107/36**
Inlet swivel, in galvanized steel, connections 1" BSP (M) – 1" BSP (M), max. static pressure 150 bar.

Art.no. **2107/33**
Inlet swivel, in galvanized steel, connections 3/4"BSP (M) – 3/4"BSP (M), max. static pressure 150 bar.



Art.no. **2710**

Mechanical oval gears flow meter, with body in aluminium, for oil and antifreeze, with two totalizers.

Art.no. **2712**

Mechanical oval gears flow meter for oil, with control gun, rigid outlet, ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M). Composed of art. nos. 2710 and 2185.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Weight
2710	1/2" BSP (F)	15 l/min	+10°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	999.9 l	999999 l	0.68 Kg
2712	1/2" BSP (M)							1.1 Kg



Art.no. **2703**

Mechanical, analogical flow meter for oil and antifreeze, with two totalizers, suitable for inline applications.

Art.no. **2608**

Mechanical, analogical flow meter for oil, with control gun, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M). Composed of art. nos. 2703 and 2185.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Weight
2703	1/2" BSP (F)	15 l/min	+10°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	0-10 l	9999 l	0.86 Kg
2608	1/2" BSP (M)							1.6 Kg



Art.no. **2508**

Mechanical, analogical preset flow meter for oil, with integrated control gun, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M). Preset values 0 – 60 l.
This model with integrated control gun, but without preset function is available on demand as well (art. no. 2507).

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Weight
2508	1/2" BSP (M)	15 l/min	+10°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	0-16 l 0-60 l	9999 l	1.6 Kg



Art.no. **2749**

Digital flow meter for oil **serie *Oil Neptune***, suitable for in-line use. Connections 1/4" BSP

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Total max resettable	Total max non resettable	Voltage	Weight
2749	1/4" BSP (F)	0.2 - 2 (l/min)	+5°C / +50°C	70 bar (1015 psi)	+ / - 0.3%	9999 l	9999 l	3 x 1.5V	1.6 Kg



Art.no. **2426**
Oil

Art.no. **2430**
Antifreeze

Art.no. **2431**
Oil

Art.no. **2426**

Electronic oval gears flow meter for oil **series *BLC,*** with control gun with trigger guard, rubber protection guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2430**

Electronic oval gears flow meter for antifreeze, **series *BLC,*** with control gun with trigger guard, rubber protection guard, rigid outlet ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art.no. **2431**

Electronic oval gears flow meter for oil, **series *BLC***, with control gun, flexible rubber outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Art. no.	**2426**	**2430**	**2431**
Connections	1/2" BSP (M)		
Flow range	1 - 35 l/min		
Operating temperature range	+ 10°C / + 50°C		
Max working pressure	80 bar (1200 psi)		
Accuracy	+/- 0.5%		
Total max resettable	9999 l		
Total max non- resettable	9999 l		
Weight	1.5 kg		

Not approved for fiscal transactions.



Art.no. **8730**
Electronic oval gears flow meter with pulse transmitter, suitable for oil, diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket.

Art.no. **8733** Electronic oval gears flow meter with pulse transmitter, such as art. no. 8730, for grease.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
8730	1/2" BSP (F)	20 l/min	+5°C / +80°C	100 bar (1450 psi)	+ / - 0,5%	95/l	1.5 kg	120X120X160
8733				250 bar (3626 psi)				



Art.no. **8731**
Electronic oval gears flow meter with pulse transmitter, suitable for oil, diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 105 µm cartridge filter and a wall bracket. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
8731	1" BSP (F)	30 l/min	+5°C / +80°C	250 bar (3626 psi)	+ / - 0.5%	50/l	2.5 kg	120X120X175



Art.no. **8732**
Electronic oval gears flow meter with pulse transmitter, suitable for oil, diesel and antifreeze, including an in-line 125 µm cartridge filter, **a built-in display** and a wall bracket.

Art.no. **8732/RF**
Version with wireless data transmission.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
8732 8732/RF	1/2" BSP (F)	20 l/min	+5°C / +80°C	100 bar (1450 psi)	+ / - 0.5%	100/l	1.5 kg	120X120X160



Art.no. **8735**
Electronic oval gears flow meter with pulse transmitter, body in IXEF, including a stainless steel 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket. Suitable for the use with water-based fluids and AdBlue® (DEF). Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
8735	1/2" BSP (F)	10 l/min	+5°C / +80°C	10 bar (145 psi)	+ / - 0.5%	95/l	1.5 kg	120X120X160

Art.no. **2717**

Electronic oval gears flow meter with pulse transmitter, body in IXEF, including a stainless steel 24 VDC - solenoid valve. Suitable for the use with water-based fluids and AdBlue® (DEF).
Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight
2717	1/2" BSP (M)	35 l/min	+5°C / +70°C	30 bar (435 psi)	+ / - 0.5%	78/l	0.6 kg

Art.no. **2954**

Electronic oval gears flow meter with pulse transmitter, suitable for oil and antifreeze. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art.no. **2716**

Electronic oval gears flow meter with pulse transmitter, body in IXEF.
Suitable for the use with water-based fluids and AdBlue® (DEF).



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight
2954	1/2" BSP (M)	20 l/min	+5°C / +50°C	70 bar (1015 psi)	+ / - 0.5%	78/l	0.6 Kg
2716				5 bar (72 psi)			0.4 Kg

Art.no. **2853**

Electronic oval gears high delivery flow meter with pulse transmitter, suitable for oil, diesel and antifreeze. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.



Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight
2853	1" BSP (F)	70 l/min	+ 5°C / +50°C	50 bar (725 psi)	+ / - 0.5%	39/l	1.6 kg



Art.no. **5604 OIL TEST – Sample recovery pump** Packs of 10 pieces

This device is used for taking samples of oil from machines or mechanical systems by sucking it out with the included suction pump into a small HDPE bottle (included) which then can be sent to a laboratory for analyzing its quality.

Art.no. **05 6419** Packs of 10 pieces

Small HDPE bottle with connection adapter.
Capacity: 250 ml
Packing dimensions: 270x160x130 mm.





Art.no. **5659**

Art.no. **5658**

Art.no. **5671**

Art.no. **5670**

Art.no. **5650**

Art.no. **5650** Packs of 10 pieces
Suction gun, single acting, capacity 800 ml, Ø tube 57 mm, with flexible outlet. Suitable for the use with oil, fuel, antifreeze and windshield washer fluid.

Art.nos. **5670 - 5671** Packs of 10 pieces
Suction gun, in brass, single acting, Ø tube 50 mm, with straight rigid outlet. Suitable for the use with oil, fuel, antifreeze and windshield washer fluid.

Art.no. 5670 capacity 500 ml
Art.no. 5671 capacity 1000 ml

Art.nos. **5658 - 5659** Packs of 10 pieces
Suction gun, in aluminium, double acting, Ø tube 55 mm, with two plastic hoses for suction and discharge. Suitable for the use with oil, fuel, petrol, antifreeze and windshield washer fluid.

Art.no. 5658 capacity 500 ml
Art.no. 5659 capacity 1000 ml



Art.nos. **5678 - 5679** Packs of 10 pieces

Suction gun, single acting, with transparent, graduated plastic tube, plastic hose and metal outlet pipe. Suitable for the use with oil, fuel, antifreeze and windshield washer fluid.

Art.no. 5678 capacity 500 ml
Art.no. 5679 capacity 1000 ml



Art.no. **3436**

Art.no. **3435**

Art.no. **3444**

Art.no. **3435** Packs of 10 pieces

Funnel, in polyethylene, with flexible plastic spout and integrated filter, oil- and acid-resistant, ø 180 mm, with protection cover and cap on flexible spout.

Art.no. **3436** Packs of 10 pieces

Funnel, in polyethylene, with flexible plastic spout and integrated filter, oil- and acid-resistant, ø 220 mm, with protection cover and cap on flexible spout.

Art.no. **3444** Packs of 10 pieces

Metal funnel, ø 170 mm, capacity 1,2 l, with plastic spout and detachable brass strainer.



Graduated measure, in high density polyethylene, with funnel type outlet and flexible extension.

Art.no. **3408/1** capacity 1 l **Packs of 5 pieces**
Art.no. **3408/2** capacity 2 l **Packs of 5 pieces**
Art.no. **3408/3** capacity 3 l **Packs of 5 pieces**
Art.no. **3408/5** capacity 5 l **Packs of 5 pieces**



Graduated, transparent measure, in oil and acid resistant polyethylene, stackable and unbreakable. Temperature range: -10° C +120°C.

Art.no. **3425** capacity 0.25 l - scale graduation 5 ml **Packs of 5 pieces**
Art.no. **3426** capacity 0.50 l - scale graduation 10 ml **Packs of 5 pieces**
Art.no. **3427** capacity 1 l - scale graduation 10 ml **Packs of 5 pieces**
Art.no. **3428** capacity 2 l - scale graduation 20 ml **Packs of 5 pieces**
Art.no. **3429** capacity 3 l - scale graduation 50 ml **Packs of 5 pieces**
Art.no. **3430** capacity 5 l - scale graduation 100 ml **Packs of 5 pieces**



Graduated measure, in high density polyethylene, with funnel type outlet, flexible extension with cap, protection cover. Suitable for the use with oil, fuel, antifreeze, windshield washer fluid, break fluid, battery fluid.

Art.no. **3447** capacity 1 l **Packs of 5 pieces**
Art.no. **3448** capacity 2 l **Packs of 5 pieces**
Art.no. **3449** capacity 5 l **Packs of 5 pieces**



Art.no. **3408/05R** | Art.no. **3408/1R** | Art.no. **3408/2R**

Graduated measure, tin-plate, suitable for the use with oil, fuel and antifreeze.

With rigid, plastic discharge spout:

Art.no. **3408/05R** capacity 0.5 l **Packs of 5 pieces**
Art.no. **3408/1R** capacity 1 l **Packs of 5 pieces**
Art.no. **3408/2R** capacity 2 l **Packs of 5 pieces**



Art.no. **3408/1FMS** | Art.no. **3408/2FMS**

With flexible metal discharge spout:

Art.no. **3408/1FMS** capacity 1 l **Packs of 5 pieces**
Art.no. **3408/2FMS** capacity 2 l **Packs of 5 pieces**

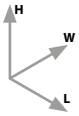


Art.no. **2302**

Wall-mounted dispensing bar, suitable for oil and antifreeze, equipped with 1 spring operated spigot with splash guard filter and drain valve for drip tray. Inlet connections 3/4" BSP (F). The unit is prepared for the installation of 2 more spigots.

Optional: Plastic or tin plate measures (see page 98!) and flow meters (art. no. 2967; see page 64!) are available as accessories on demand!

Art. no.	Weight	Dimensions (LxWxH) (mm)
2302	11 kg	500x300x500



Art.no. **2301**

Spring operated spigot, in galvanized steel, with splash guard filter, max pressure 24 bar, for the use with oil and antifreeze.


Art.no. **2301**



Art.no. **2363**

Drum dispensing bar for 208 l - drums, suitable for oil and antifreeze, consisting of:
- 1:1 – pneumatic pump, double acting, art. no. 2043/L (see page 66!);
- spring operated spigot, in galvanized steel, with splash guard filter, with prolongation tube for pump connection and connection adapters, art. no. 2303;
- pressure regulator and air filter with moisture separator, art. no. 7180;
- drip tray and bung adapter for fixation on drum.

Optional: plastic or tin plate measures (see page 98!) and plastic cans are available as accessories on demand!

Art.no. **2303/45**
Art.no. **2303/59**
Spring operated spigot, in galvanized steel, with splash guard filter, max. pressure 8 bar, with prolongation tube for pump connection and connection adapters.
Available in different lenghts:
Art. no. 2303/45 extension H 400 mm;
Art. no. 2303/59 extension H 540 mm;
other lenghts available on request.


Art.no. **2303/...**



Art.no. **8545**

Oil dispensing kit, suitable for the dispensing of 2 oil types from 208 l – drums, with spill containment pallet, consisting of:

- Tank Service Base for 2 drums of 208 l, art. no. 8533, with metal mounting rack;
- 2 pcs. of pneumatic 1:1 – oil pumps, art. no. 2044 (see page 66!);
- 2 pcs. of suction tube with bung adapters for drums, art. no. 2204;
- 2 pcs. of suction hoses for connection pump – suction tube, art. no. 2205;
- 1 pc. of wall-mounted dispensing bar, art. no. 2302, equipped with 2 spigots, art. no. 2301;
- 2 pcs. of pressure regulators and air filter with moisture separator, art. no. 7180;
- 2 pcs. of connection hoses for the connection of pump and dispensing bar.

Optional:
- 2 plastic or tin plate measures (see page 98!) or plastic cans.



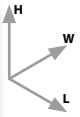
Art.no. **2971**

Mobile pneumatic oil dispensing kit with electronic oil flow meter, for 60 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2030 (see page 67!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Trolley with 4 wheels, art. no. 4360;
- 3 m – rubber hose Ø 1/2", art. no. 28703;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard,rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- Pressure regulator and air filter with moisture separator, art. no. 7180.

OPTIONAL
On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).

Art. no.	Weight	Dimensions (LxWxH) (mm)
2971	29 Kg	600x600x1050





Art.no. **2991**

Mobile pneumatic oil dispensing kit with standard trolley, for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 67);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Trolley with 4 wheels, art. no. 4380;
- 3 m – rubber hose Ø 1/2", art. no. 28703;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88);
- Pressure regulator and air filter with moisture separator, art. no. 7180.

OPTIONAL
On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).

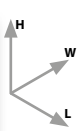
Art.no. **2993**

Mobile pneumatic oil dispensing kit, such as art. no. 2991, but with oil control gun, art. no. 2185, without oil flow meter and without pressure regulator and air filter with moisture separator, art. no. 7180.



Art.no. **2993**

Art. no.	Weight	Dimensions (LxWxH) (mm)
2991	32 Kg	900x830x1400
2993	30.5 Kg	900x830x1400





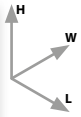
Art.no. **2912**

Mobile pneumatic oil dispensing kit, for 208 l – drums, with heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 67!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Heavy duty trolley with 4 wheels and grate, art. no. 4389;
- 3 m – rubber hose Ø 1/2", art. no. 28703;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88);
- Pressure regulator, air filter with moisture separator and lubricator, art. no. 7150.

OPTIONAL
On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).

Art. no.	Weight	Dimensions (LxWxH) (mm)
2912	42 Kg	790x900x1400





Art.no. **2914**
Mobile pneumatic oil dispensing kit, for 208 l – drums, with hose reel and heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, consisting of:

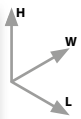
- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 67!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Heavy duty trolley with 4 wheels and grate, art. no. 4389;
- Open hose reel, art. no. 9016;
- 15 m – rubber hose Ø 1/2", art. no. 28715;
- 1 m – rubber connection hose Ø 1/2", art. no. 28701;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- Pressure regulator, air filter with moisture separator and lubricator, art. no. 7150.



Optional accessory:
- hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!
- On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).

Art.no. **2910**
Mobile pneumatic oil kit for 208 l drums, complete with hose reel like mod. 2914 but with 4-wheeled trolley art. no. 4380.

Art. no.	Weight	Dimensions (LxWxH) (mm)
2910	72 Kg	900x900x1400
2914	86 Kg	790x900x1400





Art.no. **2916**

Mobile pneumatic oil dispensing kit for 208 l - drums, consisting of:

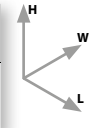
- Mobile spill containment pallet in painted steel, with grate in galvanized steel, equipped with 4 castors with brake as well as with tubular frame handle;
- Pneumatic double acting 3:1 - oil pump, art. no. 2020;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- 3 m - rubber hose ø 1/2", art. no. 28703;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962;
- Pressure regulator and air filter with moisture separator, art. no. 7180.

Art.no. **2916/AG**

Mobile pneumatic dispensing kit for 208 l drums like art.no. 2916 but for **antifreeze.**

OPTIONAL
On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).

Art. no.	Weight	Dimensions (LxWxH) (mm)
2916	77 Kg	860x860x1200
2916AG		





Art.no. **2918**

Mobile electric oil dispensing kit, for 208 l – drums, with hose reel and heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, consisting of:

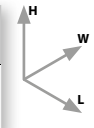
- Electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 6142/C (see page 78!);
- Control box with push button and electric connection cable;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962;
- Heavy duty trolley with 4 wheels and grate, art. no. 4389;
- 3 m – rubber hose Ø 1/2", art. no. 28703;
- Suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, art. no. 2204;
- 1.5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205.

Art.no. **2917**

Dispensing unit as art. no. 2918 but with pump at 110 VAC art. no. 6127.

OPTIONAL
On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).

Art. no.	Weight	Dimensions (LxWxH) (mm)
2918	90 Kg	790x900x1400
2917		





Art.no. **2980C**

Stationary pneumatic oil dispensing kit for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 67!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- 3 m – rubber hose Ø 1/2", art. no. 28703;
- Oil control gun with 1/2" BSP (M) inlet swivel, rigid outlet and automatic anti-drip nozzle, art. no. 2185;
- Pressure regulator and air filter with moisture separator, art. no. 7180.



Art.no. **2982**

Stationary pneumatic oil dispensing kit with electronic oil flow meter, for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 67!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- 3 m - rubber hose Ø 1/2", art. no. 28703;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- Pressure regulator and air filter with moisture separator, art. no. 7180.

OPTIONAL
On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).

Art.no. **2047FVN**



Kit **2985**

Stationary pneumatic oil dispensing kit, for 208 l - drums, consisting of:
- Wall-mounted pneumatic double acting 3:1 - oil pump, art. no. 2032 (see page 67!) complete with Ø1" flexbile suction hose 1,5 mt art.no. 2205;
- Steel bracket for pump fixing and rigid suction hose for 208 l drums art.no. 2204 with plastic bung adapter art.no.4340;
- Open hose reel, standard series, art. no. 9016;
- 15 m – rubber hose Ø 1/2", art. no. 28715;
- 2 m – rubber connection hose Ø 1/2", art. no. 28702;
- Electronic digital flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- Pressure regulator and air filter with moisture separator and lubricator, art. no. 7150.

OPTIONAL
On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).



Kit **2992**

Stationary pneumatic oil dispensing kit, for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 67!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Open hose reel, standard series, art. no. 9016;
- 15 m – rubber hose Ø 1/2", art. no. 28715;
- 2 m – rubber connection hose Ø 1/2", art. no. 28702;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 64!);
- Pressure regulator and air filter with moisture separator, art. no. 7180.



Kit **2992/10**

Same as art. no. 2992, but with open hose reel art. no. 9016 and 10 m – hose, art. no. 28710.

Kit **2992/20**

Same as art. no. 2992, but with open hose reel art. no. 9021 and 20 m – hose, art. no. 28720.

OPTIONAL
On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).



Kit **2984**

Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 67!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Open hose reel, adjustable arms series, art. no. 9090;
- 15 m – rubber hose Ø 1/2", art. no. 28715;
- 2 m – rubber connection hose Ø 1/2", art. no. 28702;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 64!);
- Pressure regulator and air filter with moisture separator, art. no. 7180.

OPTIONAL
- On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).
- Wall mounted gun holder with drip tray, art. no. 9784;
- Pivoting wall bracket for hose reel, art. no. 9767 (only suitable for single installations);
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!



Art.no. **9784**
Wall mounted gun holder with drip tray.



Kit **2994**
Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:
- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 67!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Enclosed hose reel, art. no. 9013;
- 15 m – rubber hose Ø 1/2", art. no. 28715;
- 2 m – rubber connection hose Ø 1/2", art. no. 28702;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- Pressure regulator and air filter with moisture separator, art. no. 7180.



OPTIONAL
- On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).
- Wall mounted gun holder with drip tray, art. no. 9784
- Pivoting wall bracket for hose reel, art. no. 9778 (only suitable for single installations)
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!



Kit **2994/10**
Same as art. no. 2992, but with enclosed hose reel art. no. 9013 and 10 m – hose, art. no. 28710.

Kit **2994/20**
Same as art. no. 2992, but with enclosed hose reel art. no. 9023 and 20 m – hose, art. no. 28720.



Kit **2934**
Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:
- 3 pcs. of pneumatic double acting 3:1 - oil pumps, art. no. 2020 (see page 67!);
- 3 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 4340;
- 3 pcs. of enclosed hose reels, art. no. 9013;
- 3 pcs. of 15 m – rubber hoses 1/2", art. no. 28715;
- 1 pc. of 3 m – rubber connection hose 1/2", art. no. 28703;
- 1 pc. of 4 m – rubber connection hose 1/2", art. no. 28704;
- 1 pc. of 5 m – rubber connection hose 1/2", art. no. 28705;
- 3 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 64!);
- 3 pcs. of wall mounted gun holders with drip tray, art. no. 9784;
- 3 pcs. of pressure regulators and air filters with moisture separators, art. no. 7180
- 4 pcs. of plastic casing elements for hose reel battery, art. nos. 9780, 9781, 9779;
- 1 pc. of mounting panels for hose reels, art. no. 8534;
- 3 pcs. metal counter brackets with fixing screws art. no. 03 9013.



OPTIONAL
- On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!





Kit **8210**

Pneumatic oil dispensing kit, for the installation on top of 1000 l – IBC -tanks, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020130 (see page 67!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Open hose reel, standard series, art. no. 9016;
- 15 m – rubber hose Ø 1/2", art. no. 28715;
- 1.5 m – rubber connection hose Ø 1/2", art. no. 287015;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- Pressure regulator and air filter with moisture separator, art. no. 7180;
- Dispensing nozzle holder with drip tray, art. no. 9784;
- Metal mounting frame, art. no. 9785.

Kit **8250**

Same as art. no. 8210, but including an empty 1000 l - IBC – tank, art. no. 8215.



Art.no. **8215** Kit **8250**

OPTIONAL

- On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!



OPTIONAL

Kit **8208**

Pneumatic oil dispensing kit, for the installation on the side of 1000 l – IBC -tanks, consisting of:

- Pneumatic single acting 5:1 - oil pump, art. no. 2075 (see page 68!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Pressure regulator with manometer, art. no. 7200;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- 3 m – rubber hose Ø 1/2", art. no. 28703;
- Suction hose 1" with connection adapter for IBC – tanks;
- Metal mounting bracket, art. no. 2201.

Kit **8209**

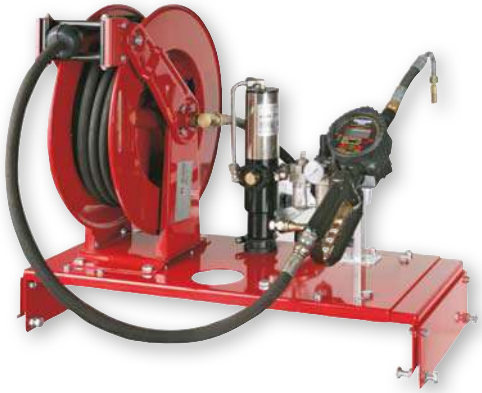
Pneumatic oil dispensing kit, for the installation on the side of 1000 l – IBC –tanks.
Same components as art. no. 8208, but with pneumatic 6:1 – single acting oil pump, series Tapir, delivery of 32 l/min (see page 70!).

OPTIONAL

On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).

- Empty 1000 l IBC tank art.no. 8215.





Kit **8206**

Pneumatic oil dispensing kit, for the installation on top of double wall steel tanks, series art. nos. 8217 (see page 100!), consisting of:
- Pneumatic double acting 5:1 - oil pump, art. no. 2075 (see page 68!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Pressure regulator and air filter with moisture separator, art. no. 7180;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- 0.5 m – rubber connection hose Ø 1/2", art. no. 287005;
- Metal mounting frame, art. no. 9787;
- Open hose reel, adjustable arms series, art. no. 9090;
- 15 m – rubber hose Ø 1/2", art. no. 28715.



Kit **8204**

Electric oil dispensing kit, for the installation on top of double wall steel tanks, series art. nos. 8217 (see page 100!), consisting of:
- Electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 6122; (see page 53!);
- Control box with push button and electric connection cable;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed; Please check if this is included as well!
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- 0.5 m – rubber connection hose 1/2", art. no. 287005;
- Metal mounting frame, art. no. 9787;
- Open hose reel, adjustable arms series, art. no. 9090;
- 15 m – rubber hose 1/2", art. no. 28715.



Kit **8207**

Pneumatic oil dispensing kit art.no. 8206, but installed on a 1000 l – double wall tank, art.no. 8217/1000 (see page 115!).



Kit **8205**

Electric oil dispensing kit with electric pump art.no. 8204, but installed on a 1000 l – double wall tank, art.no. 8217/1000 (see page 115!).

OPTIONAL
On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).

Pneumatic oil dispensing kits for 1 or 2 oil types. The use of the included spill containment pallet with metal mounting rack allows to create quickly an autonomous dispensing unit that can be put in any place of the workshop. Also it can be moved at any time if it becomes necessary.



Kit **8548**

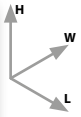
Stationary pneumatic oil supply station, for 208 l – drums, consisting of:
- Tank Service Base for 1 drum of 208 l, art. no. 8525, with metal mounting rack;
- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 67!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Open hose reel, standard series, art. no. 9016;
- 15 m – rubber hose Ø 1/2", art. no. 28715
- 2 m – rubber connection hose Ø 1/2", art. no. 28702
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- Pressure regulator and air filter with moisture separator, art. no. 7180.

Kit **8548/10**

Same as art.no. 8548, but with only 10 m – hose, art. no. 28710.

OPTIONAL
- On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!

Art. no.	Weight	Dimensions (LxWxH) (mm)
8548	114 Kg	830x880x2360





Kit **8549**

Stationary pneumatic oil supply station, for 2 x 208 l - drums, consisting of:

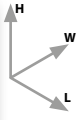
- Tank Service Base for 2 drums of 208 l, art. no. 8533, with metal mounting rack;
- 2 pcs. of pneumatic double acting 3:1 - oil pumps, art. no. 2020 (see page 67!);
- 2 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 4340;
- 2 pcs. of open hose reels, standard series, art. no. 9016;
- 2 pcs. of 15 m – rubber hoses 1/2", art. no. 28715;
- 2 pcs. of 2 m – rubber connection hoses 1/2", art. no. 28702;
- 2 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- 2 pcs. of pressure regulators and air filters with moisture separators, art. no. 7180.

Kit **8549/10**

Same as art.no. 8549, but with only 10 m – hose, art. no. 28710.

OPTIONAL
- On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!

Art. no.	Weight	Dimensions (LxWxH) (mm)
8549	182 Kg	1350x880x2360



Pneumatic oil dispensing kits for 1 or 2 oil types. The use of the included spill containment pallet with metal mounting rack allows to create quickly an autonomous dispensing unit that can be put in any place of the workshop. Also it can be moved at any time if it becomes necessary.



Kit **8621**

Pneumatic oil dispensing and storage cabinet, one drum - version, for 208 l – drums, consisting of:

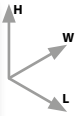
- Tank Service Base for 1 drum of 208 l, art. no. 8525;
- Metal, lockable cabinet for 1 drum of 208 l, art. no. 8681;
- Pneumatic double acting 5:1 - oil pump, art. no. 2076 (see page 68!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Open hose reel, standard series, art. no. 9016;
- 15 m – rubber hose Ø 1/2", art. no. 28715;
- 2 m – rubber connection hose Ø 1/2", art. no. 28702;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, flexible outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- Pressure regulator with condensate separator, lubricator and pressure gauge, art. no. 7150.



OPTIONAL

- On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!

Art. no.	Weight	Dimensions (LxWxH) (mm)
8621	230 Kg	830x880x2360

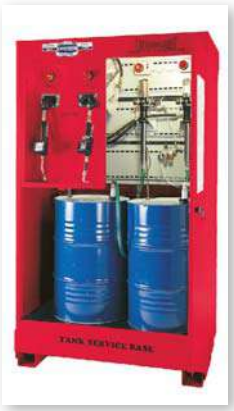




Kit **8634**

Pneumatic oil dispensing and storage cabinet, 2 drums - version, for 208 l – drums, consisting of:

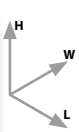
- Tank Service Base for 2 drums of 208 l, art. no. 8533;
- Metal, lockable cabinet for 2 drums of 208 l, art. no. 8682;
- 2 pcs. of pneumatic double acting 5:1 - oil pumps, art. no. 2076 (see page 68!);
- 2 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 4340;
- 2 pcs. of open hose reels, standard series, art. no. 9016;
- 2 pcs. of 15 m – rubber hoses 1/2", art. no. 28715;
- 2 pcs. of 2 m – rubber connection hoses 1/2", art. no. 28702;
- 2 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, flexible outlet, ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2962 (see page 88!);
- 2 pcs. of Pressure regulator with condensate separator, lubricator and pressure gauge, art. no. 7150.



OPTIONAL

- On request, instead of the art. no. 2962, the electronic flow meter with control gun can be supplied with internal memory for the traceability of the dispensing, available in two versions with or without Radio Frequency (see pages 89/90).
- Hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number!

Art. no.	Weight	Dimensions (LxWxH) (mm)
8634	290 Kg	1350x880x2360



Mounting shelves consisting of spill containment pallets, series Tank Service Base, and special mounting racks for equipment.
These units are used:
- to create lubrication units according to the individual requirements;
- to achieve autonomous units that can easily be transported with a pallet truck or forklift and can be put at any place of a workshop;
- to avoid the pollution of the surrounding environment in case of eventual leakages, thanks to the included spill containment pallet.

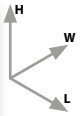


Kit **8525**

Mounting shelf, consisting of:
- spill containment pallet for 1 drum of 208 l, art. no. 8524;
- 2 pcs. of steel posts, art. no. 8527;
- 2 pcs. of steel panels, art. no. 8526.



Art. no.	Weight	Dimensions (LxWxH) (mm)
8525	57.5 Kg	830x880x2300



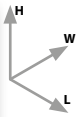
Kit **8533**

Mounting shelf, consisting of:
- spill containment pallet for 2 drums of 208 l, art. no. 8532;
- 2 pcs. of steel posts, art. no. 8527;
- 2 pcs. of steel panels, art. no. 8534.





Art. no.	Weight	Dimensions (LxWxH) (mm)
8533	109 Kg	1350x830x2300



According to the regulations the storage of lubricant or fuel drums in industrial or workshop environments requires suitable containers which can collect the fluids in case of eventual leakages and prevent that those can pollute the surrounding environment.
The series TANK SERVICE BASE has been designed:
- to serve as a containment for eventually leaking fluids;
- to facilitate the transport of the drums;
- to create autonomous and easy-to-handle oil supply units.

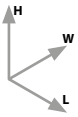


Art.no. **8524**
Tank Service Base 200
Spill containment pallet in painted steel, with pallet feet, suitable for the storage of 1 drum of 208 l. Prepared for the installation of a mounting rack consisting of steel posts (art. no. 8527) and steel panels (art. no. 8526, page 232) suitable for the installation of equipment.

Art.no. **8524/SE**
Tank Service Base 200
Spill containment pallet in painted steel, suitable for the storage of 1 drum of 208 l.
Economic version without possibility of installing a mounting rack on it and without pallet feet for the transport with pallet truck. Transport can be done by forklift.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8524	1 drum of 173 l	229 l	55 kg	920x830x340
8524/SE			54 kg	920x830x305

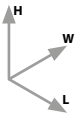




Art.no. **8532/SE**

Tank Service Base 400
Spill containment pallet in painted steel, suitable for the storage of 2 drums of 208 l. Economic version without possibility of installing a mounting rack on it and without pallet feet for the transport with pallet truck. Transport can be done by forklift.

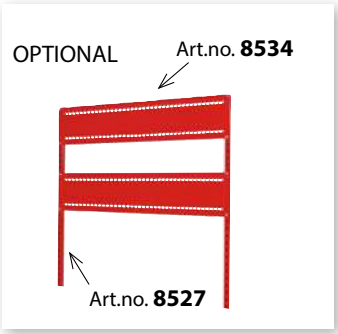
Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8532/SE	2 drums of 208 l	268 l	68 Kg	1350x825x305



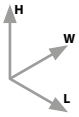


Art.no. **8532**

Tank Service Base 400
Spill containment pallet in painted steel, with pallet feet, suitable for the storage of 2 drums of 208 l. Prepared for the installation of a mounting rack consisting of steel posts (art. no. 8527) and steel panels (art. no. 8534, page 232) suitable for the installation of equipment.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8532	2 drums of 208 l	268 l	69 Kg	1350x825x340





Art.no. **8529**
Art.no. **8539**

Mobile spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of 208 l - drums, for the mobile lubricant supply.
Equipped with 4 castors with brake as well as with tubular frame handle for a convenient transport even in areas of reduced space.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8529	1 drum 208 l	209 l	65 kg	850x850x1170
8539	2 drums 208 l	234 l	83 kg	1250x850x1170



Art.no. **8530**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of one 1000 l – IBC – tank.



Art.no. **8530/SP**

Same as art. no. 8530, but suitable for the mounting of posts (art. no. 8527) and panels (art. no. 8534) for the installation of any equipment.

Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8530	1 IBC-tank of 1000 l	1000 l	155 Kg	1220x1320x710



Art.no. **8531**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of two 1000 l – IBC – tanks.



Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8531	2 IBC-tanks of 1000 l	1000 l	190 Kg	1500x2200x380



Art.no. **8536**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of up to 4 drums of 208 l.



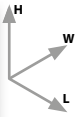
Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8536	4 drums of 208 l	265 l	120 Kg	1780x1250x180



Art.no. **8564**
Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage up to 4 drums of 208 l.

Art.no. **8565**
Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage up to 8 drums of 208 l.

Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8564	4 drums of 208 l	335 l	94 kg	1340x1250x300
8565	8 drums of 208 l	680 l	202 kg	2720x1250x300



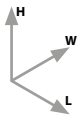




Art.no. **8566**
Metal barrel rack, stackable, for the horizontal storage of up to 3 drums of 60 l.
Suitable for the storage on spill containment pallet art. no. 8565.

Art.no. **8567**
Metal barrel rack, stackable, for the horizontal storage of up to 2 drums of 208 l.
Suitable for the storage on spill containment pallet art. no. 8565.

Art. no.	Suitable for	Weight	Dimensions (LxWxH) (mm)
8566	3 drums of 60 l	37 kg	1335x600x810
8567	2 drums of 208 l	32 kg	1335x600x810

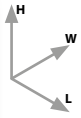




Art.no. **8568**

Metal barrel rack, stackable, for the horizontal storage of up to 3 drums of 208 l. Suitable for the storage on spill containment pallet art. no. 8565.

Art. no.	Suitable for	Weight	Dimensions (LxWxH) (mm)
8568	3 drums of 208 l	67 kg	1960x600x810

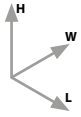




Art.no. **8569**
Metal barrel rack, stackable, for the horizontal storage of up to 2 drums of 208 l. Suitable to be put up on the floor.

Art.no. **8563**
Spill containment pallet in galvanized steel plate, without grate, to be placed under the metal barrel rack art. no. 8569.

Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8569	2 drums of 208 l	-	36 kg	1500x550x850
8563	-	270 l	48 kg	1390x1160x170







Art.no. **2270**
Gravity cock, in polyethylene, connection thread 3/4" BSP (M), with manual shut-off valve, suitable for the use with horizontally placed drums of 60 l or 208 l.

Art.no. **2271**
Zinc plated gravity cock, connection thread 3/4" BSP (M), with automatic shut-off valve, suitable for the use with horizontally placed drums of 60 l or 208 l.

Art.no. **2272**
Gravity cock, in polyethylene, connection thread 2" BSP (M), with manual shut-off valve, suitable for the use with horizontally placed drums of 208 l .



Art.no. **8220**

Mobile drum lift ERCOLINO 250 which allows the fixation of a drum by an extendable clamping device for lifting and its positioning on a spill containment pallet.

Max. lifting height over ground: 320 mm.

Max. lifting weight: 220 kg.

Each rotation of the crank corresponds to a 3 mm lifting of the drum.

Distance between the lift forks: 660 mm.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8220	40 Kg	970x760x1320



Art.no. **4379**

Cradle for the transport of 208 l – drums, including an arresting device.

Art. no.	Weight	Dimensions (LxWxH) (mm)
4379	18 Kg	1350x830x250



Art.no. **7394**

Heating belt for 208 l – drums, 230 VAC, 1 kW, in siliconized and vulcanized, stretchable fabric, including thermostat and 1.5 m – connection cable.

Art. no.	Operating temperature	Min. isolating wall thickness of heated drum	Voltage	Power	Dimensions (mm)
7394	+ 30°C / + 180°C	0.4 mm	230 VAC	1000 W	1100x100



Art.no. **7816**

Hose storage metal rack for wall mounting. Suitable for a safe and proper storage of supply or suction hoses.



Art.no. **8217**

Double wall tank, external tank in galvanized steel and internal tank in high density polyethylene, suitable for the storage of lubricating oils and diesel. Including 4 connections in 2" on top of the tank, mechanical level indicator, optical leakage detector for eventual leakages in the internal tank, carrying handles and pallet feet for the lifting and the transport with a pallet truck or a forklift from all 4 sides. Approved for indoor installations.





Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8217/400	400 l	55 Kg	700x730x1170
8217/750	750 l	82 Kg	770x980x1460
8217/1000	1000 l	110 Kg	770x1280x1460
8217/1500	1500 l	165 Kg	700x1630x1870



Art.no. **8580**
Art.no. **8581**
Art.no. **8582**

Storage unit including spill containment pallet with grate in steel, suitable for the outdoor storage of 208 l – drums of oils and greases. The roof element of the unit can be opened in order to assure a good access and to facilitate the drum change. The doors can be locked.

Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8580	1 drum of 208 l	229 l	156 kg	870x870x1600
8581	2 drums of 208 l	324 l	188 kg	1350x860x1570
8582	4 drums of 208 l	335 l	278 kg	1350x1260x1540



Art.no. **8583**

Storage unit including spill containment pallet with grate in steel, suitable for the outdoor storage of one 1000 l – IBC – tank. The roof element of the unit can be opened in order to assure a good access and to facilitate the tank change. The doors can be locked.

Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8583	one 1000 l IBC – tank	1110 l	364 kg	1350x1660x1900



Containers in galvanized sheet steel, wall thickness 6/10, provided for the use as a lubricants storage container with the following characteristics:

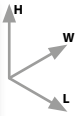
- two-wing front or lateral doors, 2300 mm (width) x 2200 mm (height), with safety lock and key, or sliding door at the long side;
- floor plate with grate, bores 76 x 34 mm;
- collecting drip pan, height 130 mm, wall thickness 20/10;
- loading rack;
- ventilation grilles (86x45cm) with fixed fins.

On demand: with integrated lighting.





Art. no.	Description	Dimensions (LxWxH) (mm)
8591	Container in galvanized sheet steel with two-wing front doors	3000 x 2000 x 2400
8592		4000 x 2000 x 2400
8593		5000 x 2300 x 2400
8594		7000 x 2300 x 2400
8591/S	Container in galvanized sheet steel with two-wing sliding doors at the long side	3000 x 2000 x 2400
8592/S		4000 x 2000 x 2400
8593/S		5000 x 2300 x 2400
8594/S		7000 x 2300 x 2400



Internal dimensions: - 100 mm in length and width, - 400 mm in height.



Heat insulated containers with panels of 30 mm wall thickness, provided for the use as a lubricants storage container with the following characteristics:

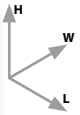
- two-wing front or lateral doors with safety lock and key, or sliding door at the long side;
- floor plate with grate, bores 76 x 34 mm;
- collecting drip pan, height 130 mm, wall thickness 20/10;
- loading rack;
- ventilation grilles with fixed fins.

On demand: lighting and power supply kit, with neon roof light, 36 W, bivalent power socket 10 – 16 A + T, residual current protective device 8 M with 3 differentials (overall – lighting – power socket).





Art. no.	Description	Dimensions (LxWxH) (mm)
8595	Heat insulated container in galvanized sheet steel with two-wing front doors	3000 x 2400 x 2400
8596		4000 x 2400 x 2400
8597		5000 x 2400 x 2400
8598		7000 x 2400 x 2400
8599		8000 x 2400 x 2400
8595/S	Heat insulated container in galvanized sheet steel with two-wing sliding doors at the long side	3000 x 2300 x 2400
8596/S		4000 x 2300 x 2400
8597/S		5000 x 2300 x 2400
8598/S		7000 x 2300 x 2400
8599/S		8000 x 2300 x 2400



Internal dimensions: - 130 mm in length and width, - 400 mm in height.

Columns and stands in painted steel for the installation of equipment such as hose reels and other, provided for the installation in a workshop.

These systems are very convenient because they permit to optimize the use of the available space for the installation of any dispensing, suction and control equipment or power supply devices.

These units can be designed, manufactured and painted according to our customers' requirements.

On the following pages will be shown some examples of possible versions, such as single row service column, double row service column, open service stand and service stand with cabinet.















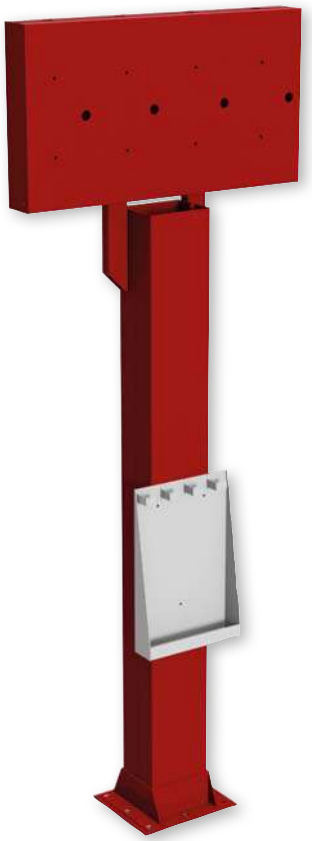




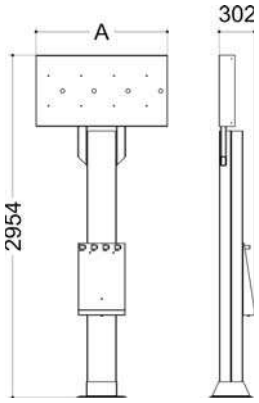
Service column stands in painted steel for the installation of equipment such as hose reels and other, provided for the installation in a workshop.

These systems are very convenient because they permit to optimize the use of the available space for the installation of any dispensing, suction and control equipment or power supply devices.

These units can be designed, manufactured and painted according to our customers' requirements.



Single column service stand, standard version.
Includes the single column with a base for fixation to the floor, a mounting plate prepared with various holes for hose reels installation on top and a drip tray with gun holder, suitable for the quantity of hose reels installed.



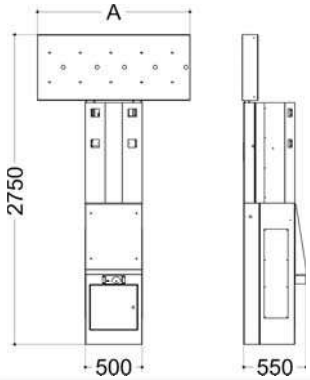


Art.no.	Installable hose reel quantity	Length (A) hose reel mounting plate (mm)
9000/1	1	570
9000/2	2	570
9000/3	3	840
9000/4	4	1130
9000/5	5	1130
9000/6	6	1130





Single column service stand, cabinet version.
Includes the single column with a base for fixation to the floor, a mounting plate prepared with various holes for hose reels installation on top, with sufficient space inside also for the pipework coming from the ceiling or from the floor, for the inside installation of small air or water hose reels or cable reels, and for an eventual installation of a waste fluid suction system in the bottom part of the column. Also a drip tray with gun holder, suitable for the quantity of hose reels installed, is included.





Art.no.	Installable hose reel quantity	Length (A) hose reel mounting plate (mm)
9001/1	1	550
9001/2	2	550
9001/3	3	800
9001/4	4	1080
9001/5	5	1350

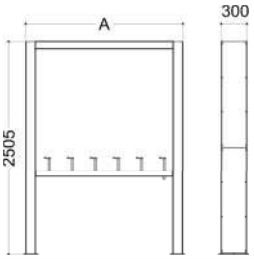
Service column stands in painted steel for the installation of equipment such as hose reels and other, provided for the installation in a workshop.

These systems are very convenient because they permit to optimize the use of the available space for the installation of any dispensing, suction and control equipment or power supply devices.

These units can be designed, manufactured and painted according to our customers' requirements.



Double column service stand, standard version, with full width drip tray with gun holders. Includes two columns with a base each for fixation to the floor, a mounting plate prepared with various holes for hose reels installation on top and a full width drip tray with gun holder, suitable for the quantity of hose reels installed.

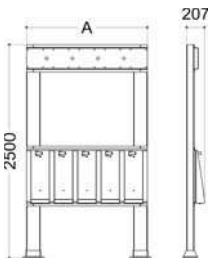


Art.no.	Installable hose reel quantity	Length (A) crossbeam (mm)
9002/4	4	1310
9002/5	5	1580
9002/6	6	1850
9002/7	7	2120
9002/8	8	2390



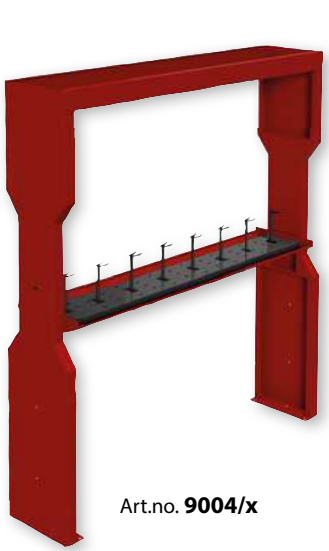


Double column service stand, standard version, with individual drip trays with gun holders.
Includes two columns with a base each for fixation to the floor, a mounting plate prepared with various holes for hose reels installation on top and an individual drip tray with gun holder per hose reel, suitable for the quantity of hose reels installed.

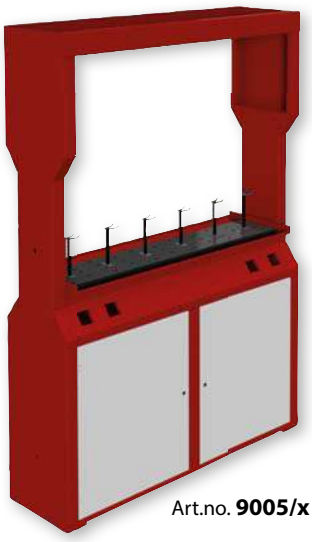


Art.no.	Installable hose reel quantity	Length (A) crossbeam (mm)
9003/4	4	1510
9003/5	5	1770
9003/6	6	2030
9003/7	7	2290
9003/8	8	2550



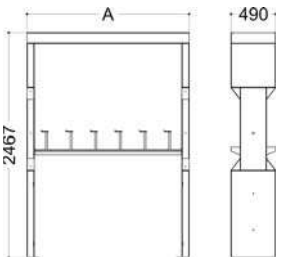


Art.no. **9004/x**



Art.no. **9005/x**

Double column service stand, cabinet version, with full width drip tray with gun holders, available with or without cabinet with shelves. Includes two columns with a base each for fixation to the floor, the lower side of the crossbeam is already prepared with various holes for hose reels installation, Inside of the columns and the crossbeam there is sufficient space also for the pipework coming from the ceiling or from the floor and for the eventual inside installation of compact air or water hose reels or cable reels (only in version with cabinet with lockable doors and shelves!). Also a full width drip tray with gun holder, suitable for the quantity of hose reels installed, is included.



Art.no. (without cabinet)	Art.no. (with cabinet)	Installable hose reel quantity	Length (A) crossbeam (mm)
9004/4	**9005/4**	4	1510
9004/5	**9005/5**	5	1510
9004/6	**9005/6**	6	1780
9004/7	**9005/7**	7	2050
9004/8	**9005/8**	8	2320

In the phase of the design and the installation of a centralized system for the distribution of fluids it is extremely important to select the appropriate pipework components in order to reach the best possible performances of the dispensing equipment and to optimize like that the productivity.

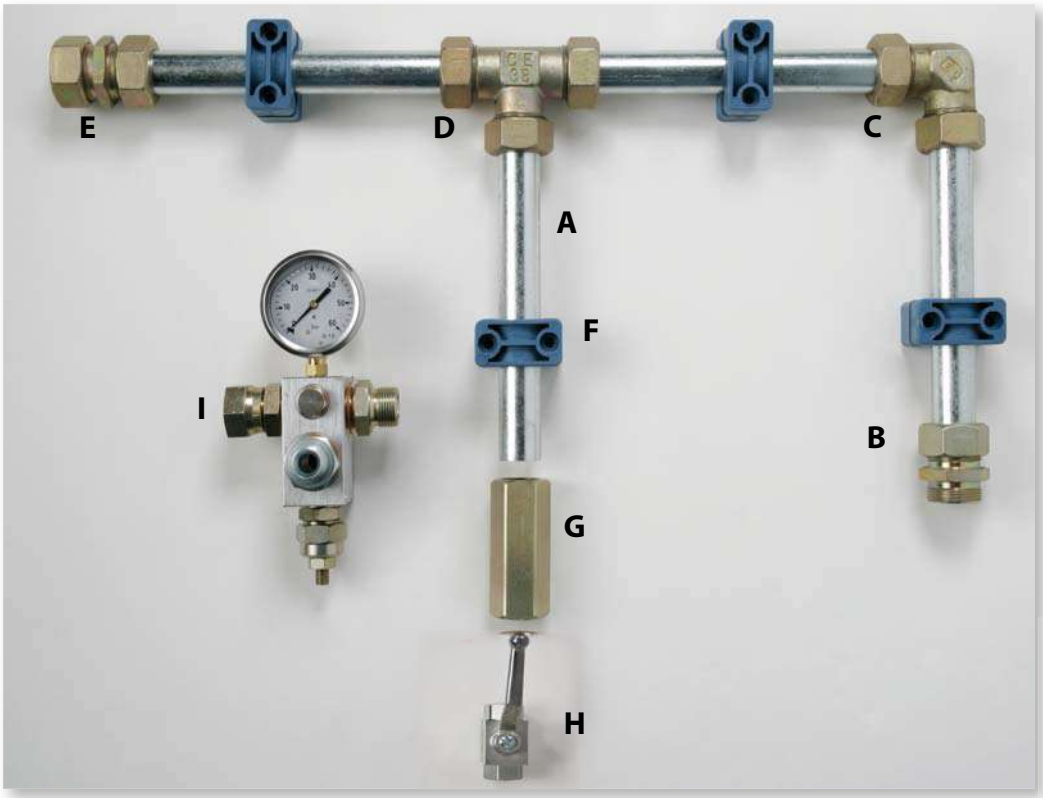
For the choice of the suitable pipework components therefore must be considered the distances between pumps and dispensing points, the required deliveries in liters per minute, the simultaneity of various dispenses, the level differences in the pipework, the characteristics of the dispensed liquid and the surrounding temperature.

Based on its experience of more than 500 designed and carried out centralized pipework installations, Flexbimec advises for the oil distribution high pressure steel pipes according to norm DIN 2391 and pipe connection elements according to DIN 2353, as well as high pressure shut-off valves, pressure reduction valves, pressure relief valves and non-return valves, rubber hoses according to SAE R1T for oils, antifreeze, diesel and similar liquids and high pressure rubber hoses according to SAE R2T for grease and water at high pressure.
On the following pages are some recommendations of the essential components for professional pipework installations. For selecting the suitable hoses please see pages 268 - 269 of this catalogue.

If you would like to see our complete range of hydraulic pipework components and fittings including all essential technical details, please ask for our specialized catalogue!

We can offer big variety of high quality hydraulic valves and other hydraulic components.

Our wide range includes pressure relief valves, non-return valves, differential control valves, unidirectional valves, compensator valves, straight and 90° - swivel joints, unidirectional and bidirectional flow regulator valves, high pressure ball valves, parachute valves with automatic shut-off, solenoid-actuated valves etc.



A Hydraulic rigid seamless steel pipe, DIN 2391, max working pressure 200 bar, wall thickness 2 mm.

B Straight compression type fitting, DIN 2353.

C Elbow compression type fitting, DIN 2353.

D T – compression type fitting, DIN 2353.

E Intermediate compression type fitting, DIN 2353.

F Fixation clamp.

G Non-return valve.

H Shut-off valve, M-F.

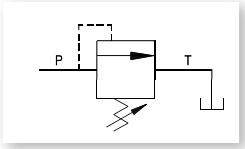
I Pressure relief valve.





Tipo	Ø 18	Ø 25	Ø 28	Ø 35	1/2"	3/4"	1"
A	Art.no. 9818	Art.no. 9825	Art.no. 9828	Art.no. 9838	-	-	-
B	Art.no. 9839	Art.no. 9847	Art.no. 9851	Art.no. 9855	-	-	-
C	Art.no. 9840	Art.no. 9846	Art.no. 9850	Art.no. 9854	-	-	-
D	Art.no. 9858	Art.no. 9848	Art.no. 9852	Art.no. 9856	-	-	-
E	Art.no. 9859	Art.no. 9845	Art.no. 9849	Art.no. 9853	-	-	-
F	Art.no. 9841	Art.no. 9844	Art.no. 9842	Art.no. 9857	-	-	-
G	-	-	-	-	Art.no. 6641	Art.no. 6643	Art.no. 6640
H	-	-	-	-	Art.no. 7241	Art.no. 7240	Art.no. 7239
I	-	-	-	-	Art.no. 2259	Art.no. 2260	Art.no. 2258

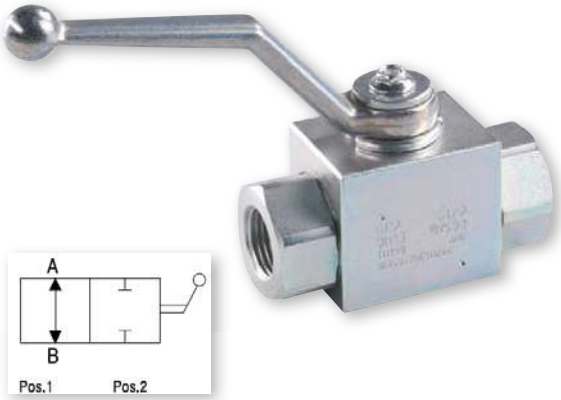




Pressure relief valve, suitable for lubricants pipeworks. Body in aluminium alloy and cartridge in galvanized steel.
Includes glycerin manometer with graduation 0 – 60 bar and regulation screw for the selection of the max. applicable pressure.
Connections (BSP): inlet F – outlet M.



Art. no.	Connections	Regulation range	Max flow rate	Max pressure
2259	1/2" BSP	from 5 to 50 bar	70 l/min	70 bar
2260	3/4" BSP	from 5 to 50 bar	80 l/min	70 bar
2258	1" BSP	from 5 to 50 bar	90 l/min	70 bar



High pressure ball valve, with full port and lever handle, suitable for lubricants pipeworks. Body in galvanized steel. Connections (BSP): inlet F – outlet F.

Art. no.	Connections	Max flow rate	Max pressure
7244	1/4" BSP	30 l/min	500 bar
7242	3/8" BSP	50 l/min	500 bar
7241	1/2" BSP	80 l/min	500 bar
7240	3/4" BSP	120 l/min	350 bar
7239	1" BSP	160 l/min	350 bar
7238	1 1/4" BSP	160 l/min	280 bar

PATENT PENDING



Art.no. **2269**

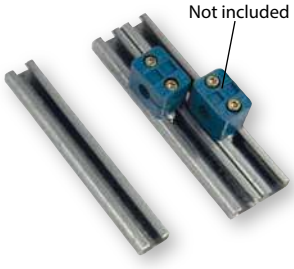
Hydraulic safety screw coupling assembly with 4 gaskets, suitable for the use in hydraulic suction and dispensing lines in combination with pneumatic oil pumps.

Ideal to prevent a potential risk of air suction in suction lines which are used continuously.

Connection threads on coupling and connector 3/4" BSP (F), with enlarged internal circuit permitting an improved oil flow.



Art.no. **9872**



Art.no. **9843**

Art.no. **9843**

Metal bar 28x30 mm, suitable for the mounting of fixation clamps (F).

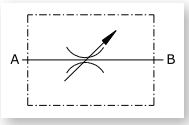
Art.no. **9872**

Metal L – bracket, suitable for the fixation overhang of rigid pipes.





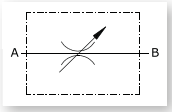
Flow regulator valve, conical type, unidirectional. Body in galvanized steel.
Connections (BSP): inlet F – outlet F.



Art. no.	Connections	Regulation range	Max pressure	Max flow rate
6654	1/2" BSP	from 0 to 50 l/min	350 bar	50 l/min
6655	3/4" BSP	from 0 to 80 l/min	300 bar	80 l/min
6656	1" BSP	from 0 to 110 l/min	250 bar	110 l/min



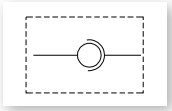
Flow regulator valve, 90° - elbow type, unidirectional. Body in galvanized steel.
Connections (BSP): inlet F – outlet F.



Art. no.	Connections	Regulation range	Max pressure	Max flow rate
6660	1/2" BSP	from 0 to 50 l/min	320 bar	50 l/min
6661	3/4" BSP	from 0 to 80 l/min	300 bar	80 l/min
6662	1" BSP	from 0 to 110 l/min	250 bar	110 l/min



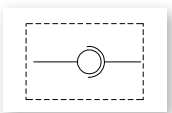
Swivel joint, straight type, with ball valve, self – lubricating. Body in galvanized steel.
Connections (BSP): inlet M – outlet F.



Art. no.	Connections	Max static pressure	Max dynamic pressure	Max flow rate
6690	1/4" BSP	400 bar	300 bar	25 l/min
6691	1/2" BSP	360 bar	220 bar	80 l/min
6692	3/4" BSP	310 bar	200 bar	120 l/min
6693	1" BSP	280 bar	150 bar	150 l/min
6694	1 1/4" BSP	250 bar	150 bar	200 l/min



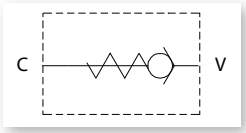
Swivel joint, 90° - type, with ball valve, self – lubricating. Body in galvanized steel.
Connections (BSP): inlet M – outlet F.



Art. no.	Connections	Max static pressure	Max dynamic pressure	Max flow rate
6695	1/4" BSP	400 bar	300 bar	25 l/min
6696	1/2" BSP	360 bar	220 bar	80 l/min
6697	3/4" BSP	310 bar	200 bar	120 l/min
6698	1" BSP	280 bar	150 bar	150 l/min
6699	1 1/4" BSP	250 bar	150 bar	200 l/min



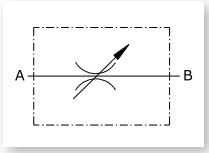
Non-return valve with high pressure gate valve, suitable for lubricants pipeworks. Body in galvanized steel. Opening pressure 0.5 bar (on demand also 4 bar or 8 bar). Connections (BSP): inlet F – outlet F.



Art. no.	Connections	Max pressure	Max flow rate
6639	1/4" BSP	400 bar	30 l/min
6641	1/2" BSP	350 bar	90 l/min
6643	3/4" BSP	300 bar	130 l/min
6640	1" BSP	280 bar	180 l/min
6648	1 1/4" BSP	260 bar	250 l/min



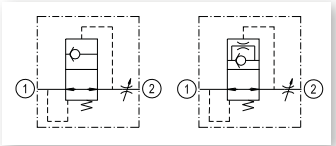
Pressure reduction valve with high pressure gate valve, suitable for lubricants pipeworks. Body in galvanized steel.
Connections (BSP): inlet F – outlet F.



Art. no.	Connections	Regulation range	Max pressure	Max flow rate
6650	1/2" BSP	from 5 to 50 bar	320 bar	45 l/min
6651	3/4" BSP	from 5 to 50 bar	300 bar	85 l/min
6652	1" BSP	from 5 to 50 bar	250 bar	140 l/min



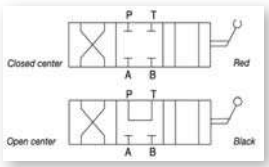
Parachute valve for lubricants pipeworks: blocks automatically the flow of lubricants inside of the pipework in case of leakages caused by failures or cracks of pipe components. Body in galvanized steel.



Art. no.	Connections	Regulation range	Max pressure	Max flow rate
6670	1/2" BSP	from 10 to 70 l/min	350 bar	80 l/min
6671	3/4" BSP	from 30 to 140 l/min	350 bar	150 l/min
6672	1" BSP	from 40 to 170 l/min	350 bar	180 l/min



4-way evacuation valve in cast iron, open center, with limited pressure drops.
With 2 fixation holes Ø 8,5 mm. Suitable for the suction and discharge of waste oils and waste antifreeze.



Art. no.	Connections	Max pressure	Max flow rate
6675	1/2" BSP	250 bar	90 l/min
6676	3/4" BSP	160 bar	120 l/min
6677	1" BSP	160 bar	150 l/min

RF CONNE
WIRELESS FLUID MA

RF MOBILE WORKSTATION
Art.no. 2916/RF



QB8 SYSTEM
with simple gun



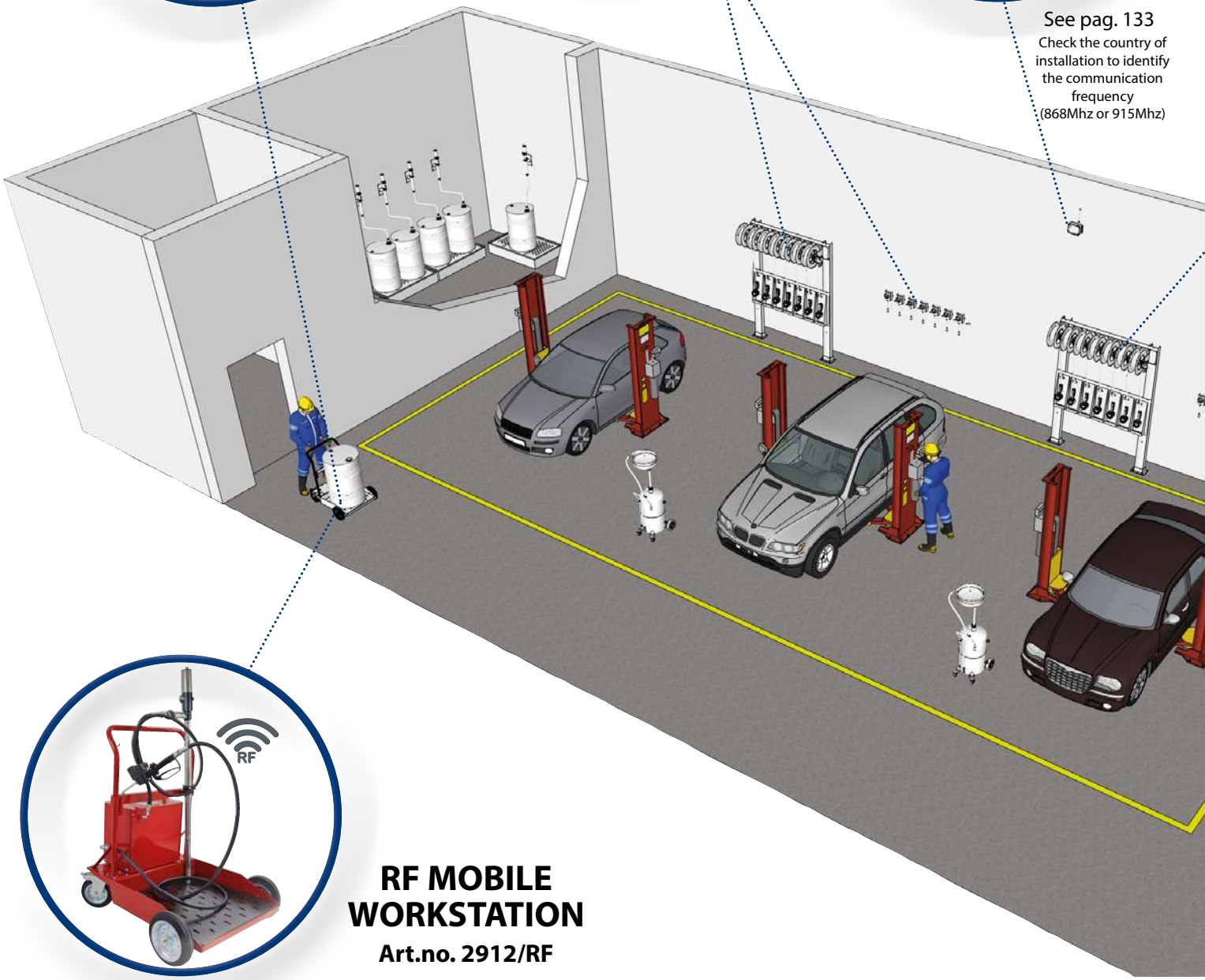
See pag. 131

RF STATION



See pag. 133

Check the country of installation to identify the communication frequency (868Mhz or 915Mhz)



RF MOBILE WORKSTATION
Art.no. 2912/RF

CT 128AP
NAGEMENT SYSTEM

GP SYSTEM 20
with flow meter gun

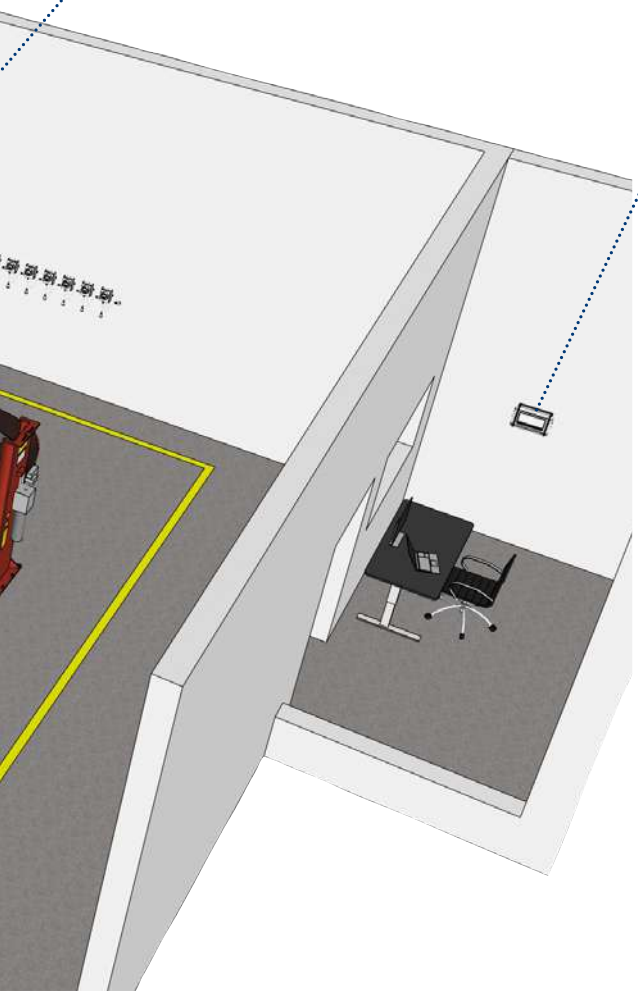


See pag. 130

TOUCH CENTRAL UNIT RF128



See pag. 132





The RF CONNECT 128AP system can be accessed via various devices such as smartphones, PCs and tablets with various operating systems without installing additional third-party software: only a web browser is needed.

RF CONNECT 128AP system is based on the **TOUCH CENTRAL UNIT RF128** control unit combined with devices with radio frequency (RF) by means of radio modules (RF STATION) connected with an internal BUS.
All operations carried out on the flow meters are saved and displayed on the control unit. Each dispensing point is combined with a local tank or a centralized tank to monitor their virtual levels.
It is possibile to set the alarm thresholds to send warning emails if the tanks exceed the minimum storage thresholds.

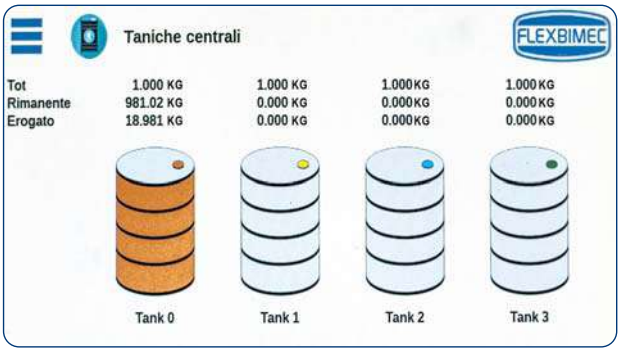
The **TOUCH CENTRAL UNIT RF128** control unit can generate **users** with relative **passwords** enabled for the use with **RF devices.**
The control unit has three types of external connection:
- **USB port** for flash drive
- **Wi-Fi** connection to company network;
- **Ethernet cable connection** to company network

The system can be connected to the company network via intranet portal to allow access with **PC, smartphone or tablet** with user ID and password giving the possibility of viewing and managing all information **in real time.**
RF CONNECT 128AP can simultaneously connect up to **128 devices including RF flow meter guns** and **QB8 systems** with **16 centralized tanks.**

RF CONNECT 128AP is quick and economical to install.
It is also possible, upon request, to connect RF CONNECT 128AP to already existing fluid management systems.







With **RF CONNECT 128AP** System work orders handling becomes easy and intuitive; orders containing multiple fluids dispensing on the same vehicle can also be created.

Order management does not require any additional software installation on remote devices; the **RF CONNECT 128AP** portal is accessed directly from any device equipped with a web browser.

Users can work simultaneously on orders, allowing:

1. CREATING AN ORDER

Users can create orders directly in the RF CONNECT 128AP portal.

2. REVIEWING AND CHANGING AN ORDER

From the orders menu both current and completed orders can be checked at any time.

WATCH THE VIDEO TUTORIAL

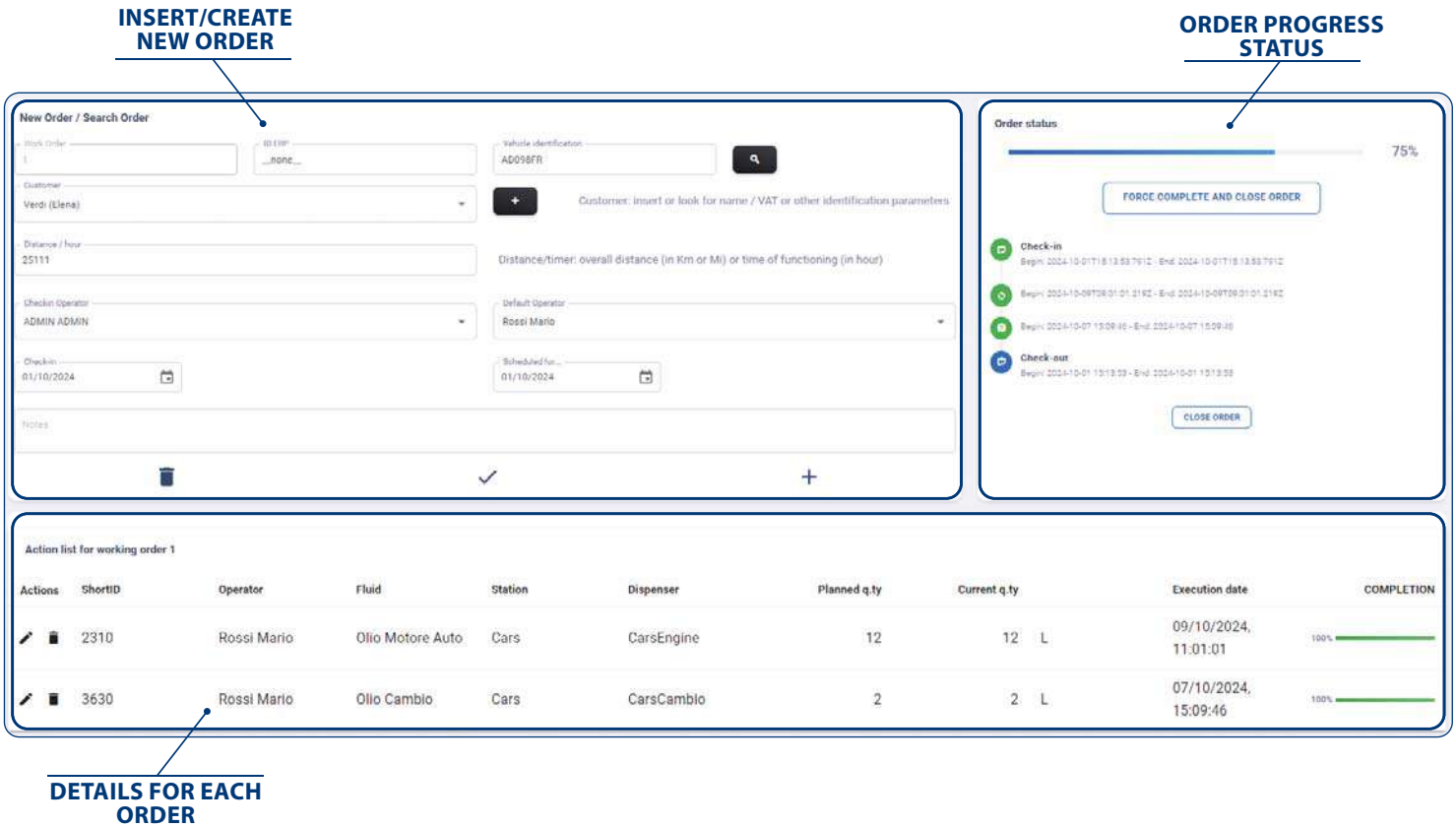
3. ORDER PROGRESS STATUS

Entered orders and their progress can be analyzed directly on the unit display.

4. COMPLETION OF THE ORDER

The order in progress can be closed automatically when dispensings have been 100% completed or it can be closed manually if dispensings have quantities different from those planned.

MAIN SCREEN



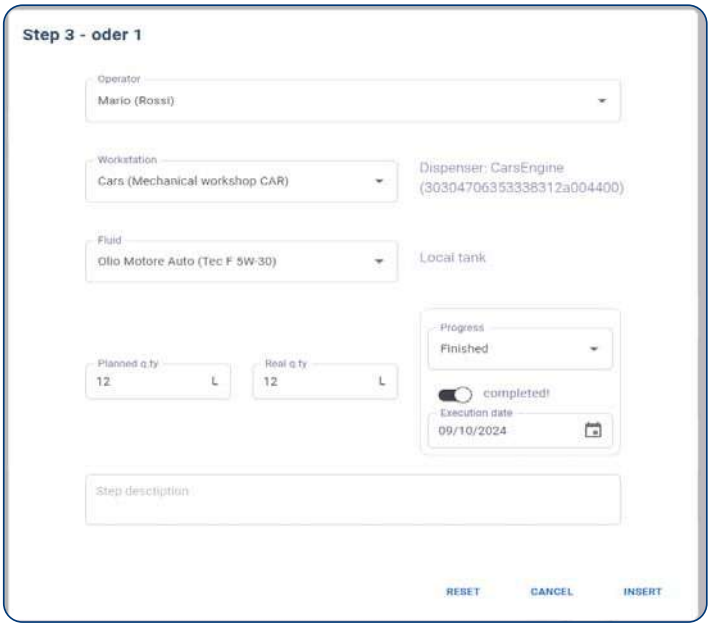
PROCESSI

WATCH THE
VIDEO TUTORIAL

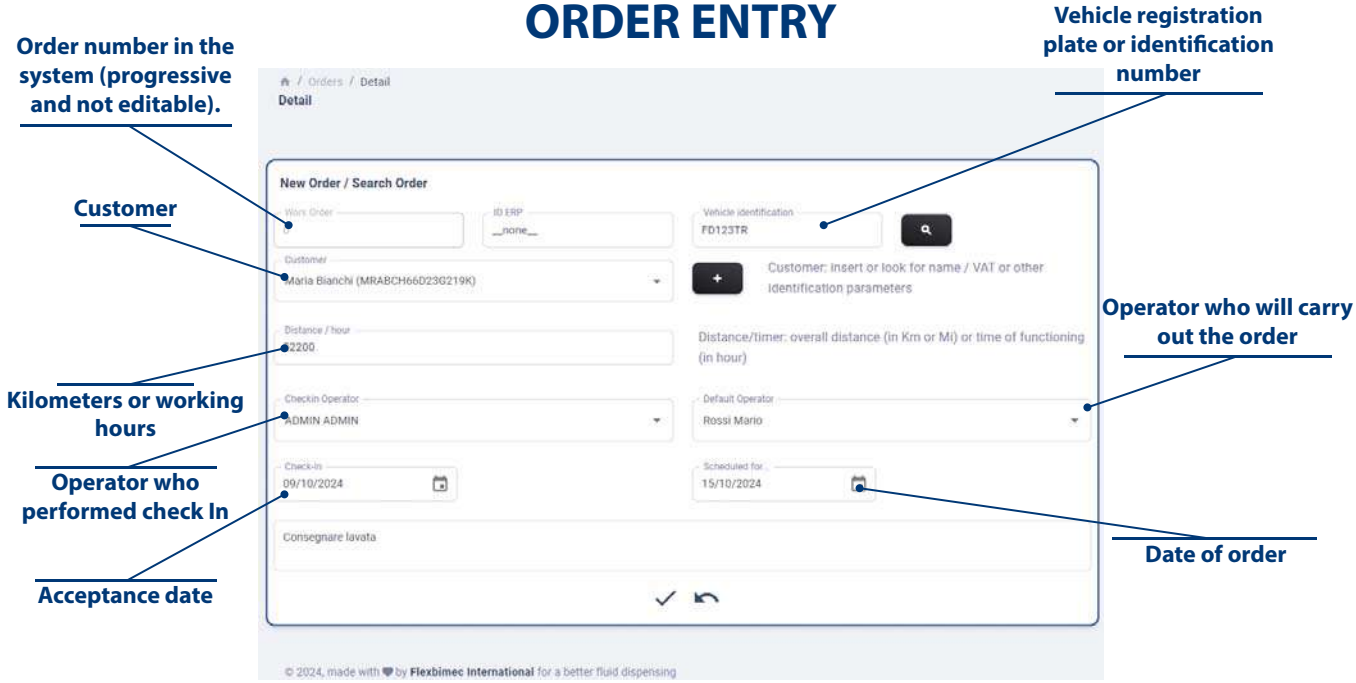
USER LOGIN



USER DATA ENTRY

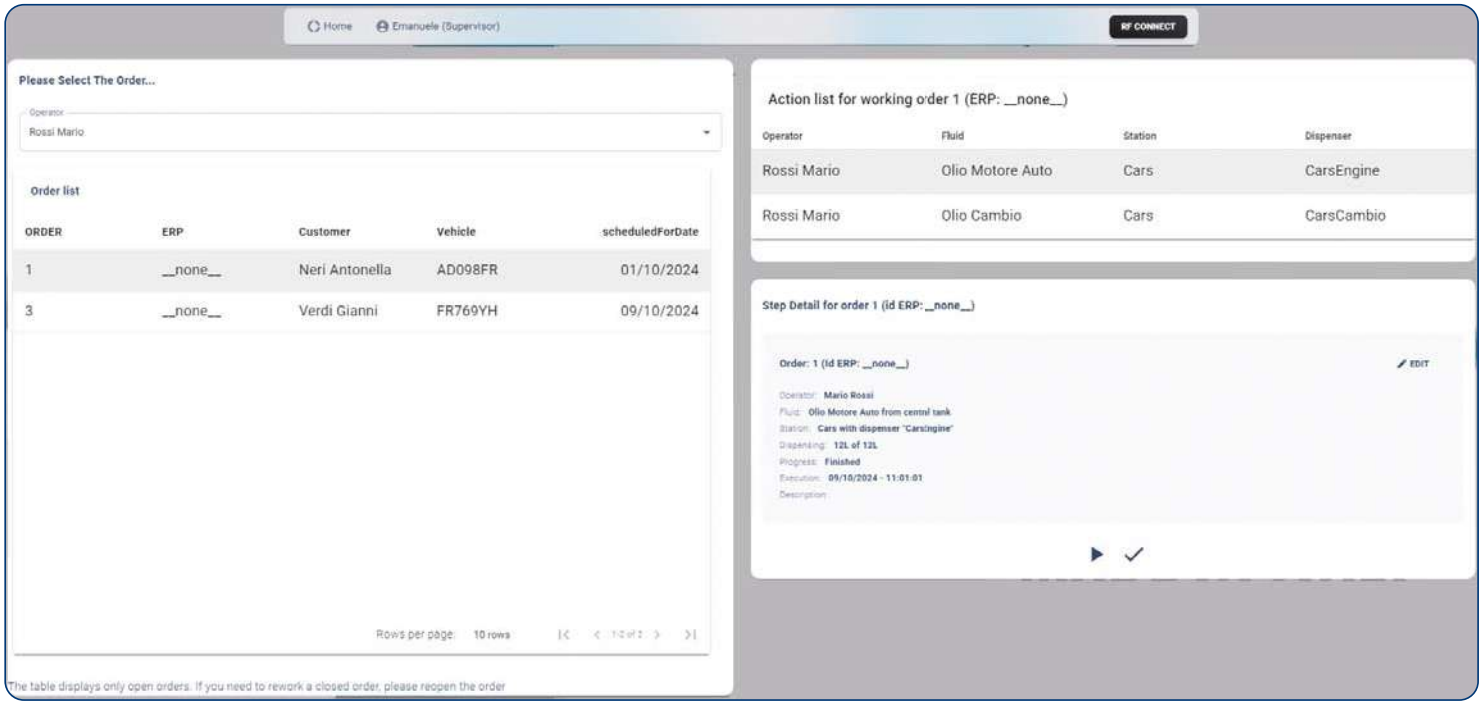


ORDER ENTRY



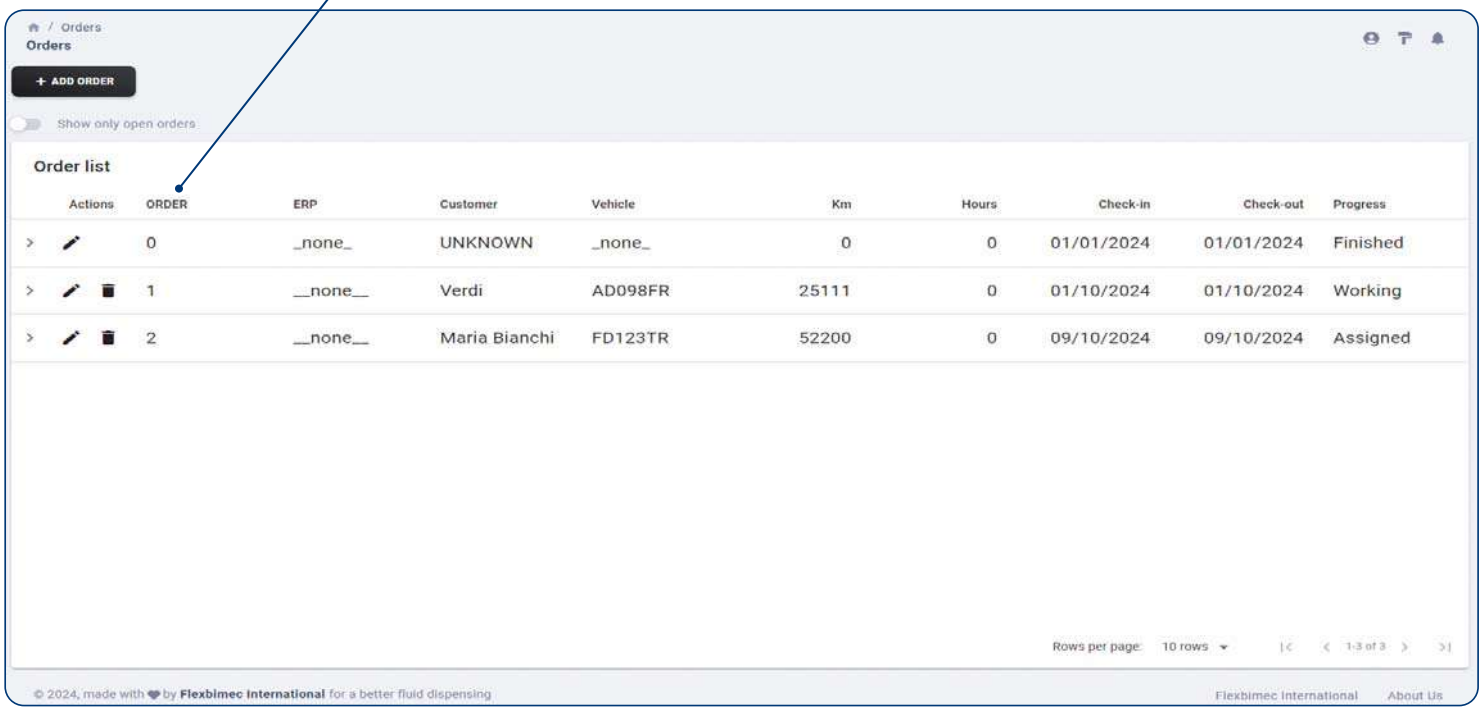
NG PHASES

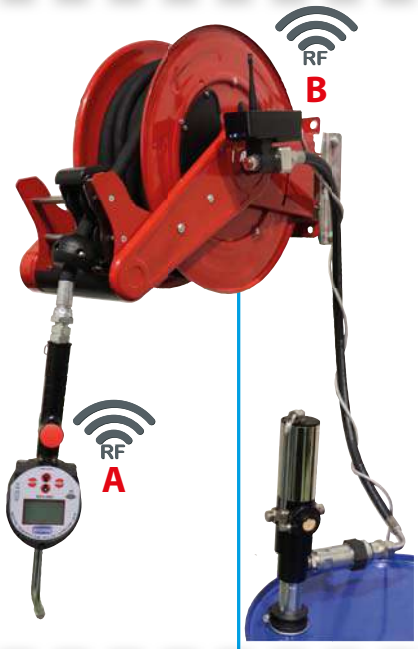
ORDER START



Original order number
not to be filled in if entered in the RF system, automatic if imported from another management system

ORDER LIST





C



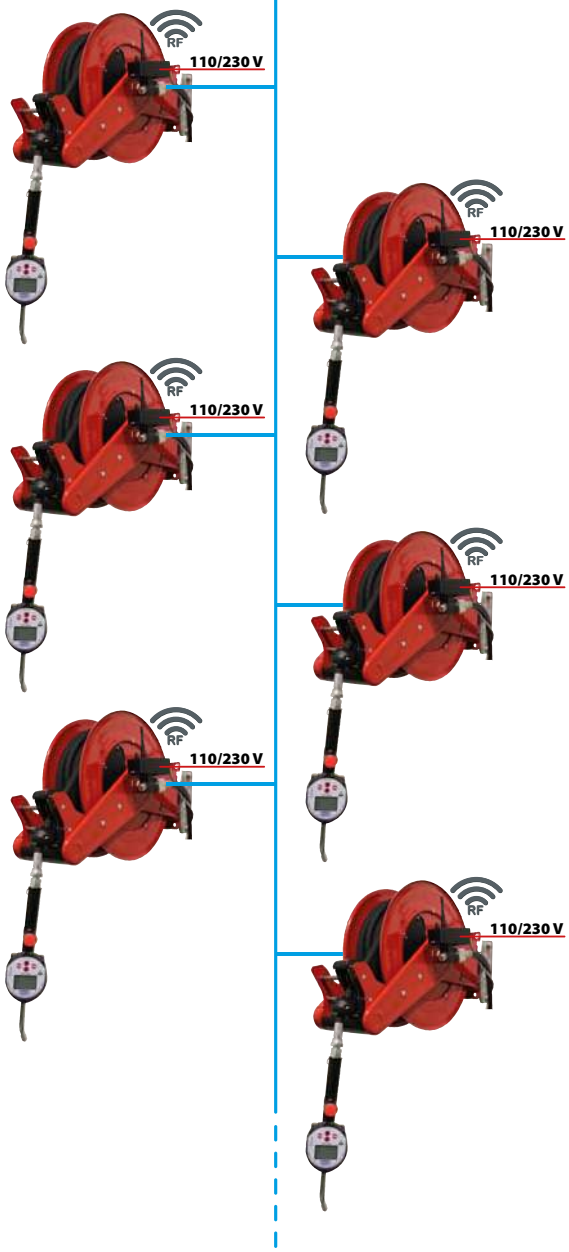
D



Possibility to add up to 8 RF STATIONS to extend the RF network throughout the workshop.

BASIC CONFIGURATION COMPOSED OF:

A - Digital flow meter gun
B - Control valve on hose reel
C - TOUCH CENTRAL UNIT RF128
D - RF STATION



GP SYSTEM 20

Access with flow meter guns

In this **RF ACCESS GP SYSTEM 20** configuration an RF digital flow meter gun is combined with the control valve mounted on the hose reel.
When the operator needs to use the flow meter gun, he has to enter the password provided by the system administrator (4 digits) on the unit display using the directional arrows.
Once the password has been entered, the control unit verifies the correctness of the password and if so, it sends the signal via radio to the control board to enable the solenoid valve and allow the dispensing of fluid.
The **password** activation validity time can be customized on the RF control unit in a range that can go from a few seconds up to 23 hours and 59 minutes after the performed dispensing.
When the password expires, the control unit sends the command to the valve control board to deactivate it and interrupts the flow.

up to 64 connectable devices

Example of a centralized fluid distribution system: max 64 dispensing points, composed of flow meter guns (JUPITER and URANUS models). The TOUCH CENTRAL UNIT RF128 is able to manage all the dispensing points and can monitor the centralized or local tank levels.
Each user is associated to a password to be entered on the flow meter gun to manage each operation and monitoring can take place via Cloud with PC or Smartphone.

C



D



Possibility to add up to 8 RF STATIONS to extend the RF network throughout the workshop.

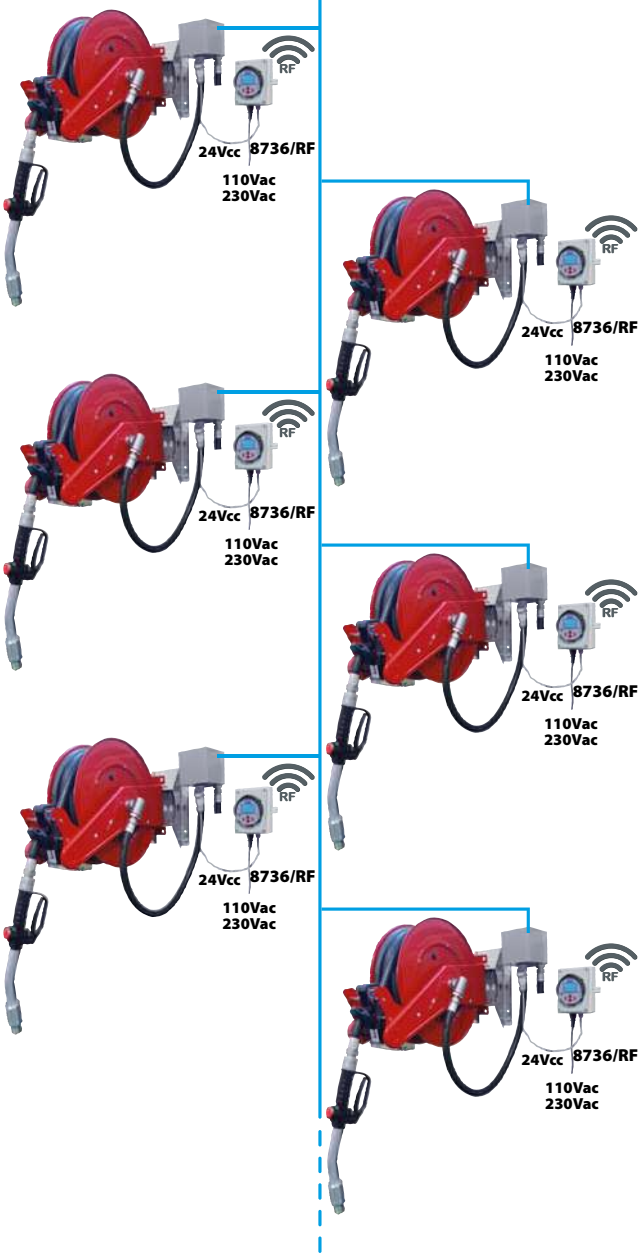


BASIC CONFIGURATION COMPOSED OF:
A - Digital flow meter
B - QB8
C - TOUCH CENTRAL UNIT RF128
D - RF STATION

QB8 SYSTEM

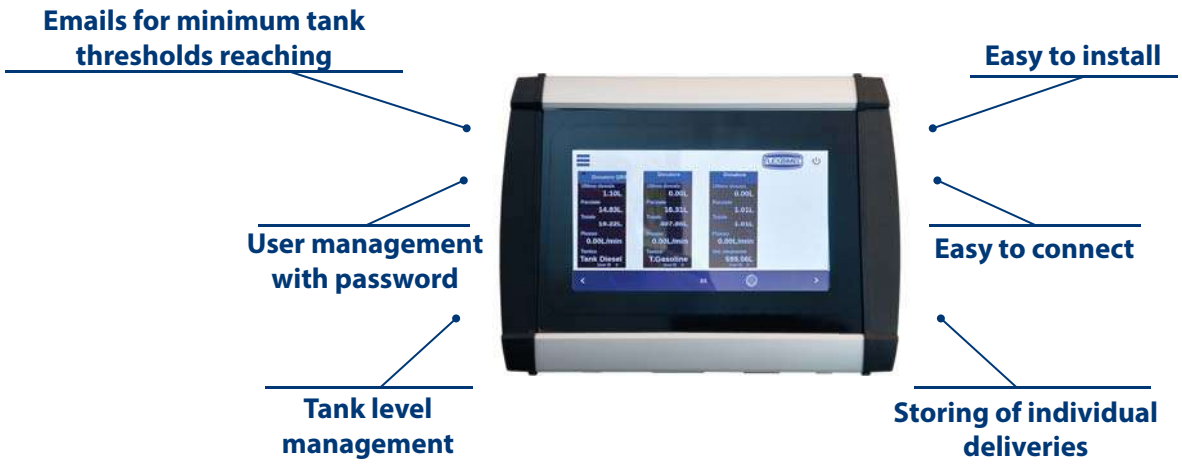
Access with QB8

The **RF ACCESS QB8 SYSTEM** is based on a control board where the operator enters the password by typing the code (4 digits) with the selection keys. The code is then sent via RF to the control unit which verifies its correctness and then it enables the solenoid valve mounted on the QB8 system, thus allowing access to the free-flow or pre-selection dispensing mechanical gun.
The password activation validity time can be customized on the RF control unit in a range that can go from a few seconds up to 23 hours and 59 minutes after the performed dispensing.
When the password expires, the control unit sends the command to the valve control board to deactivate it and interrupts the flow.



up to 128 connectable devices

Example of a centralized fluid distribution system: max 128 dispensing points, composed of QB8 SYSTEM. The TOUCH CENTRAL UNIT RF128 is able to manage all the dispensing points and can monitor the centralized or local tank levels.
Each user is associated to a password to be entered on the flow meter gun to manage each operation and monitoring can take place via Cloud with PC or Smartphone.



TOUCH CENTRAL UNIT RF128 (Art.nos 8845 - 8845/915)	
MAXIMUM NUMBER OF CONNECTABLE DEVICES	MAX 128
CONNECTIONS TO DEVICES	RADIO SIGNAL 868 MHz OR 915 MHz
MAX NUMBER OF USERS	UP TO 200
DISPENSING POINTS MANAGEMENT	UP TO 128
CENTRALIZED TANKS MANAGEMENT	UP TO 16
EXTERNAL CONNECTIONS	WIFI, LAN, USB
ALARM MANAGEMENT	MIN THRESHOLDS LEVEL SETTING
POWER SUPPLY	110-220 V AC
SYSTEM LANGUAGES	ITALIAN, ENGLISH
ACCESS LEVELS	USER (devices reading only)
	ADMINISTRATOR (access with password)
ACCESSIBILITY	CLOUD - INTRANET DATA BASE
CLOUD ACCESSIBILITY	PC, TABLET AND SMARTPHONE

		GP SYSTEM 20			QB8 SYSTEM
		 Art.no. **8737/RF**	 Art.no. **8737/RF**	 Art.no. **8737/RF**	 Art.no. **8736/RF**
MODEL		**Series JUPITER**	**Series URANUS**	**Series URANUS**	**8730 - 8733 - 8735**
FLUIDS	Oil	√	√	-	√
	Antifreeze	√	√	-	√
	AdBlue®	√	√	-	√
	COOLANT FLUID	-	-	-	√
	WINDSCREEN WASHER FLUID	√	√	-	√
	GREASE	-	-	√	√
PRESELECTION		-	√	√	STANDARD
USER MANAGEMENT WITH PASSWORD		√	√	√	√



RF STATION SIGNAL REPEATER
RF STATION connects to the control unit via a can-bus cable, and has the function of an antenna, essential for connecting to all RF devices. It's cable for 110-230V mains power supply is useful for amplifying the radio signal.
To work with very large systems, it is possible to connect up to 8 RF STATIONS via a Can-Bus cable, in order to guarantee the connection of the radio signal between devices: RF STATIONS can be installed on different floors or where there are infrastructures that could disturb the signal, such as load-bearing walls or metal structures.
The light signal indicates:
Green POWER LED: presence of voltage;
Blue CONNECTION LED: presence of radio signal and connection to the control unit;
Red ERROR LED: errors alarm.

Art.no. **8740/RF**
RF STATION for 868 MHz communication.
- Connection to control station (CPU) via bus cable.
- Connection to electrical network (230 VAC – 110 VAC).
- Internal battery in the event of a blackout.
- Transmission/reception channel selector (from 1 to 8).

Art.no. **8740/RF915**
Similar to model 8740/RF but with radio frequency: 915 MHz.
Suitable for countries like Canada and America.



Art.no. **8737/RF**
Solenoid valve control card to be applied directly on the hose reel for RF flow meters management.
- Power supply voltage 230 VAC.
- Can be combined with **1/2"** RF flow meters and 1/2" swivel joints.
- ON-OFF hydraulic valve size SAE08 normally closed.
- Radio frequency: 868 MHz.

Art.no. **8737/RF915**
Similar to model 8737/RF but with radio frequency: 915 MHz.



Art.no. **8749/RF**
Solenoid valve control card to be applied directly on the hose reel for RF flow meters management.
- Power supply voltage 230 VAC.
- Can be combined with **3/4"-1"** RF flow meters and 1" swivel joints.
- ON-OFF hydraulic valve size SAE10 normally closed.
- Radio frequency: 868 MHz.

Art.no. **8749/RF915**
Similar to model 8749/RF but with radio frequency: 915 MHz.





LIGHTS LEGEND

1. ON = PRESENCE OF VOLTAGE
2. ON = RF CONNECTION TO THECONTRO UNIT
3. ON = ELECTRIC VALVE ACTIVATION
4. ON =ALARM LIST





Art.no. **8736/RF**

QB8 RF control board for RF system pulse counters.
- Power supply voltage 110/230 VAC.
- Can be combined with all types of QB8 SYSTEM pulse counters.
- Radio frequency: 868 MHz.

Art.no. **8736/RF915**

Similar to model 8736/RF but with radio frequency: 915 MHz.

To be combined with pulse counters art.no. 8730, 8733, 8735.



Art.no. **8730**

Electronic oval gears flow meter with pulse transmitter, suitable for oil, grease diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket.
To be combined with 8736/RF and 8736/RF915.

Art.no. **8733**

Electronic oval gears flow meter with pulse transmitter, suitable for grease, including a 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket.
To be combined with 8736/RF and 8736/RF915.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
8730	1/2" BSP (F)	20 l/min	+5°C / +80°C	100 bar (1450 psi)	+ / - 0.5%	95/l	1.5 kg	120X120X160
8733				250 bar (3626 psi)				



Art.no. **8735**

Electronic oval gears flow meter with pulse transmitter, body in IXEF, including a stainless steel 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket. Suitable for the use with water-based fluids and AdBlue® (DEF). Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.
To be combined with 8736/RF and 8736/RF915.

Art. no.	Connections	Max flow	Operating temperature range	Max working pressure	Accuracy	Number of pulses	Weight	Dimensions (LxWxH) (mm)
8735	F 1/2" BSP	10 l/min	+5°C / +110°C	10 bar (145 psi)	+ / - 0.5%	95/l	1.5 kg	120X120X160



Art.no. **8741/RF**

EASY Tablet for checking and/or entering data on fluid supplies and reserves (without barcode and QR code reader).



Art.no. **8742/RF**

ADVANCED Tablet for checking and/or entering data on fluid supplies and reserves with barcode and QR code reader.
Equipped with a printer and a badges or RFID cards reader, to allow faster recognition of the operator.

Art.no. **8743/RF**

Smartphone for checking and/or entering data on fluid supplies and reserves, including barcode and QR code reader.



The electronic dosing system CONTROLLER 5.0 allows the dosage of different, preset quantities of a fluid lubricant.

It is particularly suitable in applications where a continuous accuracy in the dosage is required such as in industrial production systems with automated, constant and continuous dispenses of oil.

The dosing system includes also a timer and a data memory of the dispensed quantities.



Art.no. **8841**

Electronic dosing unit **CONTROLLER 5.0**.
Technical features:
- big graphic backlit display;
- bi-directional, serial and cable-based communication with connected printers or PC through USB and serial connections;
- watch with buffer battery;
- storage of the following dispenses data: quantity, ID, date, time;
- integrated power supply 110/230 VAC – 24 VDC;
- possibility of calibration;
- default dispense activation button;
- new dispense quantity selection button.

Art.no. **8798**

Thermal printer, can be connected to the CAN BUS of the control unit. Required for printing a ticket of each individual dispense.

Art.no. **8730**

Electronic oval gears flow meter with pulse transmitter, connections 1/2" BSP (F), suitable for oil, diesel and antifreeze, including a 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket.

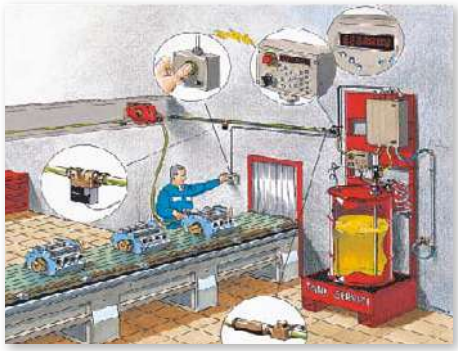
Art. no. **8840**



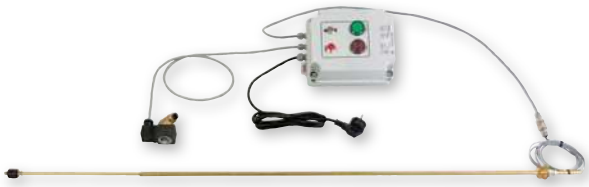
Art.no. **8840**

This dosing kit includes:

- 1 pc. CONTROLLER 5.0, art.no. 8841;
- 1 pc. Electronic oval gears flow meter with pulse transmitter and solenoid valve, art.no. 8730;
- 1 pc. Thermal printer, art.no. 8798.

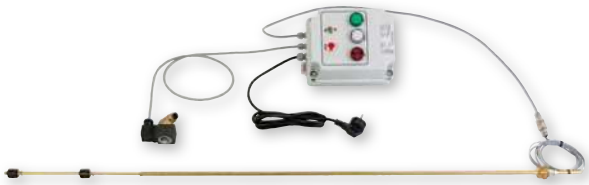


The level gauges of series PUMPSTOP are suitable for the use with all pneumatic oil pumps. They stop the pump when the oil in a container is going to run out and like that prevent air to enter into the system which would create a mixture of oil and air that would cause wrong measurement results of the connected flow meters.
The kit is composed of a probe with level sensor, a solenoid valve for the shut-off of the compressed air, a transformer / stabilizer for the power supply and a warning light with horn (for art. nos. 8951, 8953). The probe is inserted into a drum through its 3/4" – opening and is also fixed there (in case of tanks using a suitable 3/4" – 2" adapter). When the minimum oil level is reached, an electric impulse is transmitted to the solenoid actuated shut-off valve which interrupts the compressed air supply, stops immediately the pneumatic oil pump and activates an acoustical and optical alarm.



Art.no. **8951**

PUMPSTOP
Low level pump stop kit, composed of:
- level probe, suitable for the use in 208 l – drums and 1000 l - IBC tanks, length 1200 mm, art. no. 8908;
- ON-OFF switch;
- warning light with horn, art. no. 8920;
- bypass push button which allows to continue the oil flow again after it has been stopped;
- solenoid-actuated shut-off valve for the compressed air, art. no. 7362;
- transformer / stabilizer 110-230 VAC – 24 VDC, art. no. 6528;
- electric connection cable, length 2 m.

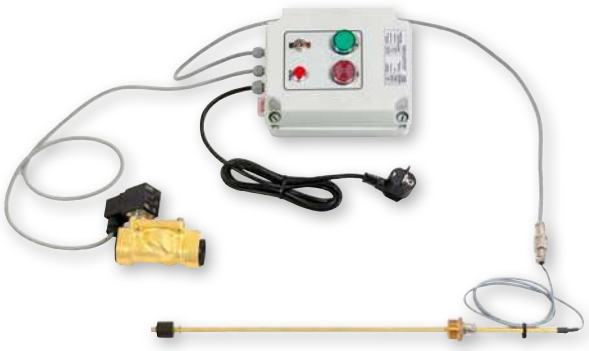


Art.no. **8953**

PUMPSTOP
Low level pump stop kit such as art.no. 8951, but with two sensors for indication of reserve and stop level, art. no. 8909.







Art.no. **8307**

Overfill protection kit for waste oil, stops the oil flow immediately when the maximum filling level in a tank has been reached.

The kit is composed of:
- high level probe, with connection 3/4" BSP (M) and length 500 mm, art. no. 8905;
- warning light with horn, art. no. 8920;
- solenoid-actuated oil flow shut-off valve, with connection 1" BSP (M), art. no. 7365;
- electronic control switch;
- transformer / stabilizer 110-230 VAC – 24 VDC, art. no. 6528.





Art.no. **8309**

Overfill protection kit for waste oil, stops the oil flow immediately when the maximum filling level in a tank has been reached.

The kit is composed of:
- high level probe, with two sensors for indication of maximum and stop level, with connection 3/4" BSP (M) and length 500 mm;
- warning light with horn, art. no. 8920;
- solenoid-actuated oil flow shut-off valve, with connection 1" BSP (M), art. no. 7365;
- electronic control switch;
- transformer / stabilizer 110-230 VAC – 24 VDC, art. no. 6528.





Art.no. **8753**

Digital, ultrasonic level indicator, suitable for the use in 208 l – drums.

It is easy to install and easy to read. It is inserted into a drum through its 3/4" – opening and is also fixed there.

Automatic measurement: each 20 minutes the drum level is automatically controlled, without showing any value on the display. Once the level has reached a value between 20 l and 10 l, the display will show a first alarm, once the level has reached then less than 10 l a second alarm will be displayed.

Instantaneous measurement: if the drum level is between 145 l and 20 l the exact product quantity is displayed.

The level indicator is fed by an AAA alkaline battery.





Art.no. **8752**

Mechanical level gauge with floater and analogical measuring scale, suitable for 60 and 208 l – drums.

It is easy to install and easy to read; it is inserted into a drum through its 3/4" – opening and is also fixed there.
On demand also available with measuring scale in gallons.



Art.no. **7340**



Art.no. **7360**

Art.no. **7340**

Daily/weekly timer for the preset activation of solenoid valve art. no. 7360.
230 V panel power supply.
Equipped with 24 Vdc output power supply for solenoid valve.



Art.no. **7360**

Pneumatic solenoid valve 24 Vdc for system safety.
Connections 1/2" BSP.
Mounted on the compressed air circuit, it discharges the air downstream of the compressor at the end of working hours. The operation can be carried out manually, or automatically if connected with the timer Art.no. 7340.

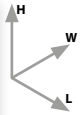
Art.no. **3185**
Art.no. **3185/110**



Mobile low level gravity waste oil drainer, suitable for the draining of motor oil, gear oil or differential oil from trucks and passenger cars. Available with collection capacity of 70 l and 110 l, with anti splash grid and removable, lateral antisplash guard (optional). The unit can be discharged by gravity through the laterally mounted 3/4" drain valve or by using an evacuation pump with suction hose and female quick coupling to be connected to the male coupling installed on the drainer (see evacuation kit art. no. 2044 + 2264 on page 140!).



Art. no.	Collection capacity	Connections	Weight	Dimensions (LxWxH) (mm)
3185	70 l	3/4" BSP (F)	26 Kg	800x560x180
3185/110	110 l	3/4" BSP (F)	38 Kg	1400x560x180



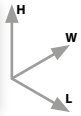
Art.no. **3185/20**



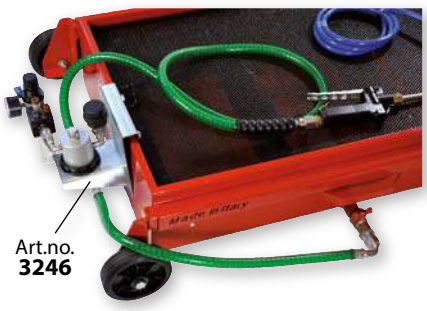
Mobile low level gravity waste oil drainer such as above, but in height-reduced version, ideal for the use with passenger cars with sports chassis.



Art. no.	Collection capacity	Connections	Weight	Dimensions (LxWxH) (mm)
3185/20	22 l	3/4" BSP (F)	18 Kg	800x500x80



Art.no. **3254**
Art.no. **3254/110**

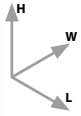


Art.no.
3246

Mobile low level gravity drainer, suitable for the draining of waste oils and antifreeze from trucks and passenger cars by using the included pump kit for the eventual refilling of the liquid into the motor or circuit after finishing the service.
Available with collection capacity of 70 l and 110 l, with anti splash grid.

The pump kit art.no. 3246 consists of a pneumatic rotary pump (art.no. 1058, see page 76), pressure regulator with manometer, suction hose and dispensing hose with control gun and rigid outlet pipe.

Art. no.	Compressed air supply	Outlet pressure	Delivery	Collection capacity	Connections	Weight	Dimensions (LxWxH) (mm)
3254	2-4 bar	4 bar	10 l/min	70 l	1/2" BSP (F)	34 Kg	800x560x180
3254/110	2-4 bar	4 bar	10 l/min	110 l	1/2" BSP (F)	46 Kg	800x560x285





Art.no. **3186**
Art.no. **3186/110**

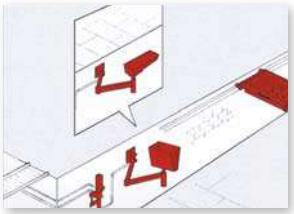


Pit gravity waste oil drainer, suitable for the draining of motor oil, gear oil or differential oil from trucks and passenger cars. Available with collection capacity of 70 l and 110 l, with anti splash grid and metal rollers. Suitable for the use in service pits between the pit rails. It is possible to adapt the width according to the pit dimensions. The unit can be discharged by gravity through the laterally mounted 3/4" drain valve or by using an evacuation pump with suction hose and female quick coupling to be connected to the male coupling installed on the drainer.

Art. no.	Collection capacity	Width adjustment range (mm)	Connections	Weight	Dimensions (LxWxH) (mm)
3186	70 l	Min 900 - Max 1300	3/4" BSP (F)	27 Kg	800x560x180
3186/110	110 l	Min 900 - Max 1300	3/4" BSP (F)	39 Kg	800x560x285



Art.no. **3292**



Waste oil draining kit for the installation in service pits, with metal collection bowl of 10 l capacity incl. removable anti splash grid and height-adjustable, telescopic tube with wall mounted swivel arm in galvanized steel.

Art. no.	Diameter collection bowl	Capacity collection bowl	Max extension height collection bowl	Max extension length swivel arm	Connections	Weight
3292	400 mm	10 l	530 mm	1340 mm	1" BSP (F)	10 Kg



Kit. **2044FVN**
Complete kit with pump, bracket and tube

Art.no. **2044FVN**



Waste oil evacuation and transfer kit, consisting of a 1:1 – (art. no. 2044) or a 2:1 – (art. no. 2046) single acting pneumatic piston pump, wall bracket, 1.5 m - rubber suction hose ø 1" and foot valve with stainless steel strainer.

Art.no. **2264**

Waste oil and waste antifreeze quick coupling kit, consisting of hydraulic quick coupling with connection 1" BSP (F), hydraulic quick connector with connection 1" BSP (F) and connection adapter with connection 1" BSP (MM), with non-return valve. The kit is necessary to carry out the evacuation of waste oil drainers or waste oil suction units by connecting the hydraulic quick coupling to the suction hose of evacuation kits art. no. 2046 or art. no. 2044 (instead of the installed foot valve) and the quick connector to the waste oil drainer or waste oil suction unit to be discharged.

Art. no.	Compressed air supply	Max vacuum	Compression ratio	Max outlet pressure	Connection compressed air	Connection lubricant outlet	Consumption compressed air	Weight
2044FVN	2 – 4 bar	0.8/1.0 bar	1:1	4 bar	1/4" BSP (F)	3/4" BSP (M)	120 l/min	4.4 kg



Art.no. **8319**
Pneumatic double diaphragm pump, selfpriming up to 5 m suction lift, working also in dry running condition, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 3.5 mm size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in PTFE, gaskets in Viton®, seats in aluminium.

Art.no. **7818**
Wall mounting bracket for pneumatic diaphragm pumps art. no. 8319.



Art.no. **7818**

Art.no.	Max flow rate	Max suction lift	Comp. air supply	Connection compressed air inlet	Connections fluid Inlet - Outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
8319	55 l/min	5 m	2 - 8 bar	3/8" BSP (F)	1/2" BSP (F)	200 l/min	4 kg	234x156x245

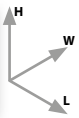
Art.no. **3178**

Mobile waste oil gravity drainer, consisting of wide collection bowl in painted steel of 10 l capacity, art. no. 3290, incl. removable anti splash grid, height-adjustable, telescopic tube with 2" x 28 mm - bung adapter, shut-off valve and trolley for max. 208 l – drums, art. no. 4380.



OPTIONAL:
- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (= art. no. 3299).
- mechanical level gauge with floater and analogical measuring scale, suitable for 208 l - drums (= art. no. 8752);
- empty metal drum, capacity 208 l (= art. no. 4699).

Art. no.	Capacity collection bowl	Height adjustable up to	Ø collection bowl art. no. 3290	Ø metal crown drain adapter art. no. 3299	Weight	Dimensions (LxWxH) (mm)
3178	10 l	1800 mm	400 mm	590 mm	31 kg	700 x 700 x 1200



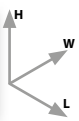
Art.no. **3173**

Mobile waste oil gravity drainer, consisting of wide collection bowl in painted steel of 10 l capacity, art. no. 3290, incl. removable anti splash grid, height-adjustable, telescopic tube with 2" x 28 mm – bung adapter, shut-off valve and heavy duty trolley for max. 208 l – drums, art. no. 4389.



OPTIONAL:
- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (= art. no. 3299);
- mechanical level gauge with floater and analogical measuring scale, suitable for 208 l – drums (= art. no. 8752);
- empty metal drum, capacity 208 l (= art. no. 4699).

Art. no.	Capacity collection bowl	Height adjustable up to	Ø collection bowl art. no. 3290	Ø metal crown drain adapter art. no. 3299	Weight	Dimensions (LxWxH) (mm)
3173	10 l	1800 mm	400 mm	590 mm	44 kg	700 x 700 x 1200



Art.no. **3179**



Mobile waste oil gravity drainer, suitable for the use under lifts, with collection container of 90 l capacity, level gauge, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, 1.6 m discharge hose.



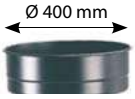
OPTIONAL:

- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (= art. no. 3299).

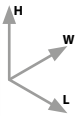
Art.no. **3299 OPTIONAL**



Metal crown drain adapter, permits the enlargement of the collection diameter of the drain bowl.



Art. no.	Capacity collection bowl	Height adjustable	Capacity collection container	Max. collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3179	10 l	1050-1600 mm	90 l	80 l	0.5 bar	28 Kg	504x460x1200



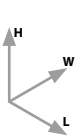
Art.no. **3183**



Mobile waste oil gravity drainer, suitable especially for the waste oil collection from motorbikes. Consisting of wide, rectangular collection bowl (dimensions 700 x 250 mm) of 80 mm height incl. removable anti splash grid, assuring an easy access between lift and motorbike, collection container of 65 l capacity, level gauge, two fixed wheels and two castors. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no.	Capacity collection bowl	Height adjustable up to	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3183	10 l	1400 mm	65 l	50 l	0.5 bar	30 Kg	430x570x1200



Waste oil suction units, consisting of a collection container with a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.



Art.no. **3024**

Mobile waste oil suction unit, with collection container of 24 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl. The unit can be discharged manually by taking off the cap on top of the container.

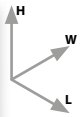
Art.no. **3025**

Same as art. no. 3024, but the unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3024	0.8 bar	1.5 min	24 l	20 l	manual	10 Kg	390x360x940
3025	0.8 bar	1.5 min	24 l	20 l	0.5 bar	11 Kg	390x360x940



Art.no. **3080**

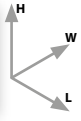
Mobile waste oil suction unit, with collection container of 90 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3080	0.8 bar	1.5 min	90 l	80 l	0.5 bar	28 Kg	504x460x900



Waste oil suction units, consisting of a collection container with a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.



Art.no. **3027**

Mobile waste oil suction unit, with collection container of 24 l capacity and transparent inspection chamber of 6.5 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.
The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.
In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.

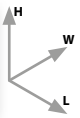


Easy washing system



Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3027	0.8 bar	1.5 min	24 l	20 l	0.5 bar	15 Kg	390x360x950



Art.no. **3090**



Mobile waste oil suction unit, with collection container of 90 l capacity and transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.
The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.

In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.

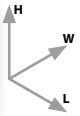


Easy washing system



Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3090	0.8 bar	1.5 min	90 l	80 l	0.5 bar	32 Kg	504x460x1340



Combined units that can be used as waste oil gravity drainers, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

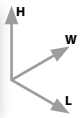


Art.no. **3195**

Mobile, combined waste oil drainer and suction unit, with collection container of 80 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3195	0.8 bar	1.5 min	80 l	70 l	0.5 bar	32 Kg	460x510x1200





Art.no. **3198**

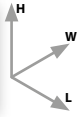
Mobile, combined waste oil drainer and suction unit, with collection container of 80 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.
The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.
In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.

Easy washing system



Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3198	0.8 bar	1.5 min	80 l	70 l	0.5 bar	34 Kg	460x510x1500



Combined units that can be used as waste oil gravity drainers, but also as waste oil suction units. The suction process can be carried out by using a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it, or alternatively by the use of a pneumatic 1:1 – pump which is mounted at the side of the collection container. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply (unless the suction is made with the pneumatic pump).



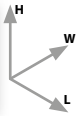
Art.no. **3085**

Mobile, combined waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with pneumatic pump, wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3085	0.8 bar	1.5 min	90 l	80 l	0.5 bar	42 Kg	480x510x1400





Art.no. **3095**

Mobile, combined waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with pneumatic pump, wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

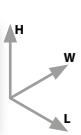
The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.
In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.

Easy washing system



Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3095	0.8 bar	1.5 min	90 l	80 l	0.5 bar	44 Kg	460x510x1500



Combined units that can be used as waste oil gravity drainers under a lift or as low level drainers on the floor using the pantograph function, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.



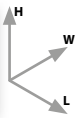
Art.no. **3182**

Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with rectangular collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl. Suitable for the use with passenger cars and motorbikes. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3182	0.8 bar	1.5 min	90 l	80 l	0.5 bar	43 Kg	630x650x1700



Art.no. **3190**



Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with rectangular collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl. Suitable for the use with passenger cars and motorbikes. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.
The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.
In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.

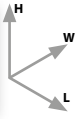
Easy washing system





Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3190	0.8 bar	1.5 min	90 l	80 l	0.5 bar	45 Kg	500x600x1500



Combined units that can be used as waste oil gravity drainers under a lift or as low level drainers on the floor using the pantograph function, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0.8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Art.no. **3180**

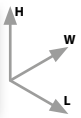


Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 115 l capacity, two fixed wheels and two castors, with rectangular heavy duty collection bowl in painted steel of 50 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl.
Suitable for the use with passenger cars, motorbikes or trucks.
The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3180	0.8 bar	1.5 min	115 l	100 l	0.5 bar	53 Kg	630x650x1700



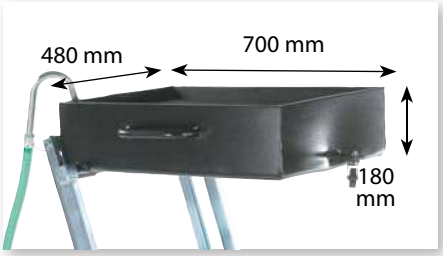
Art.no. **3192**



Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 115 l capacity, two fixed wheels and two castors, with rectangular heavy duty collection bowl in painted steel of 50 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters and storage bowl.
Suitable for the use with passenger cars, motorbikes or trucks.
The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.
The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.
In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.

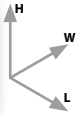
Easy washing system





Art. no. suction probe	Ø suction probe	Suction speed at **oil temperature 18°C**	Suction speed at **oil temperature 60°C**
2995	5x3 mm	0.25 l/min	1.05 l/min
2998	8x6 mm	1.4 l/min	2.52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3192	0.8 bar	1.5 min	115 l	100 l	0.5 bar	55 Kg	500x600x1700



Waste oil suction units which allow to suck out the oil with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor by means of a pneumatic rotary or piston pump or by means of an electric pump. The oil suction process is also possible with these units if the oil temperature is equal to the ambient temperature (unless in case of low temperatures).

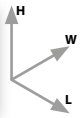


Art.no. **3020**

OIL BLITZ – Mobile waste oil suction unit, composed of a pneumatic rotary gear pump, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters, storage bowl, two wheels trolley in galvanized steel and 20 l – capacity plastic can for collection of the sucked oil.

Can be used also to suck out diesel from vehicle fuel tanks.

Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3020	0.8 bar	1 - 4 bar	1:1	180 l/min	4 bar	17 kg	410x420x910



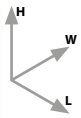


Art.no. **3172**

Waste oil suction system such as art. no. 3099 (see on page 150!), but mounted on a heavy duty trolley, consisting of 1:1 - pneumatic piston pump art. no. 2047FVN, pressure regulator and air filter with moisture separator, kit of suction probes in different diameters and suction adapters (see on page 152!), 3 m - suction hose with shut-off valve and connections, vacuometer for the control of the suction process and 1.6 m - discharge hose with curved outlet tube.

On demand alternatively also a discharge hose with suitable connection to a pipework can be supplied.

Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3172	0,8/1,0 bar	2 - 4 bar	1:1	120 l/min	4 bar (58 psi)	42 Kg	790x900x1400



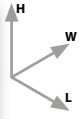


Art.no. **3018**

OIL BLITZ – Mobile waste oil suction unit, composed of an electric rotary gear pump, suction hose, kit of suction probes in different diameters (see on page 152!), suction adapters, storage bowl, two wheels trolley in galvanized steel and 20 l – capacity plastic can for collection of the sucked oil.

Can be used also to suck out diesel from vehicle fuel tanks.

Art. no.	Voltage	Power	Protection category	Max vacuum	Weight	Dimensions (LxWxH) (mm)
3018	230VAC – 50 Hz	0.53 Kw	IP 55	0.8 bar	17 kg	410x420x910



Pneumatic, wall-mounted pumps for the suction of waste oil by means of suitable suction probes. Particularly suitable in installations with centralized pipework for the suction of waste fluids and the distribution of new fluids.



Art.no. **3099**

Wall-mounted waste oil suction system, consisting of 1:1 - pneumatic piston pump art.no. 2047FVN, pressure regulator and air filter with moisture separator, kit of suction probes in different diameters and suction adapters (see on page 152!), 3 m - suction hose with shut-off valve and connections, vacuometer for the control of the suction process and 1.6 m - discharge hose with curved outlet tube.
On demand alternatively also a discharge hose with suitable connection to a pipework can be supplied.



Art.no. **2210**

Noise insulating cabinet for wall-mounted pneumatic pumps.



Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight
3099	0.8/1.0 bar	2 - 4 bar	1:1	120 l/min	4 bar (58 psi)	11 Kg



Art.no. **3199**

Wall-mounted waste oil suction system, consisting of 1:1 - pneumatic piston pump art.no. 2047FVN, pressure regulator and air filter with moisture separator, art. no. 7180, kit of suction probes in different diameters and suction adapters (see on page 152!), automatic open hose reel, art. no. 9016, with 10 m – rubber suction hose in 1/2" with shut-off valve and connections, vacuometer for the control of the suction process, 2 m - connection hose to the pump and 1,6 m - discharge hose with curved outlet tube.
On demand alternatively also a discharge hose with suitable connection to a pipework can be supplied.



Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight
3199	0.8/1.0 bar	2 - 4 bar	1:1	120 l/min	4 bar (58 psi)	32 Kg

Pneumatic, wall-mounted pumps for the suction of waste oil by means of suitable suction probes. Particularly suitable in installations with centralized pipework for the suction of waste fluids and the distribution of new fluids.



Art.no. **8304**

Encased, wall – mounted, electropneumatic suction unit for the use with waste oils and similar liquids, composed of a pneumatic 1:1 – piston pump art. no. 7180, vacuometer, electronic unit for the control of the suction process, solenoid-actuated shut-off valve for the deactivation of the pump, push button for the activation of the suction process, power supply / transformer unit 230 VAC – 24 VDC, 1.5 m – suction hose and kit of suction probes in different diameters.
The suction cycle is structured as follows:

- Switch-on of the pump;
- Suction of the liquid and transfer into a storage tank;
- Automatic switch-off of the pump after finishing the suction process.





Art.no. **8308**

Waste oil suction unit such as art. no. 8304, but with hose reel, art. no. 9090, with 10 m – suction hose 1/2" instead of 1.5 m – suction hose and with wall-mounted drip tray.





Art.no. **8306**

Waste oil suction unit such as art. no. 8304, but with pneumatic double diaphragm pump instead of pneumatic piston pump.



Art. no.	Pressure compressed air	Voltage	Max vacuum	Compression ratio	Consumption compressed air	Outlet pressure	Weight
8304	2 - 4 bar	230 VAC- 50 Hz	0.8/1.0 bar	1:1	120 l/min	4 bar	14 kg
8308							
8306	2 - 8 bar				250 l/min		16 kg



Art.no. **011** Complete kit of 5 suction probes of different diameters and lengths and 2 suction adapters, with plastic probes holder.

Art.no. **2995** Flexible suction probe, ø 5 mm, length 800 mm.

Art.no. **2996** Flexible suction probe, ø 6 mm, length 800 mm.

Art.no. **2997** Flexible suction probe, ø 7 mm, length 1500 mm.

Art.no. **2998** Flexible suction probe, ø 8 mm, length 800 mm.

Art.no. **2986** Rigid suction probe, ø 6 mm, length 800 mm.

Art.no. **2127** Suction adapter for VOLKSWAGEN vehicles.

Art.no. **2130** Suction adapter for MERCEDES vehicles.

Furthermore are available on demand the following models:

Art.no. **2125** Suction adapter for PEUGEOT and CITROEN vehicles.

Art.no. **2128** Suction adapter for BMW vehicles.

Art.no. **2129** Suction adapter for AUDI vehicles.



Art.no. **3422**

Multi - purpose drain pan, in polyethylene, capacity 8 l, with antt-splash lip, large handles and pouring spout. Suitable for the collection of waste fluids or chemicals and for cleaning parts.

Art.no. **3423**

Multi - purpose drain pan, in polyethylene, capacity 16 l, with antt-splash lip, large handles and pouring spout. Suitable for the collection of waste fluids or chemicals and for cleaning parts.



Art.no. **3440**

Funnel, in polyethylene, with lockable cover, oil- and acid- resistant, capacity 3.2 l, ø 250 mm, with metal bung adapter 2" (BSP) M, suitable for the use on 60 l- and 208 l – drums or on tanks. Designed for the disposal of waste fluids or chemicals.



Art.no. **7813**

Plastic drum cover, ø 600 mm, in polypropylene copolymer, for the closure of drums with removable cover.

Equipped with 4 internal flaps.

Ideal for an outdoor storage of drums.

Art.no.	Int. Ø	Weight
7813	600 mm	0.978 kg

Pneumatic brake bleeding unit with two chambers which are hermetically separated by an elastic diaphragm. One chamber of the container contains the brake fluid, the other chamber serves as reservoir for the compressed air. Max. working pressure 2 bar. The diaphragm permits to separate the brake fluid and the compressed air, avoiding like that the risk of an emulsion.



Art.no. **3485**

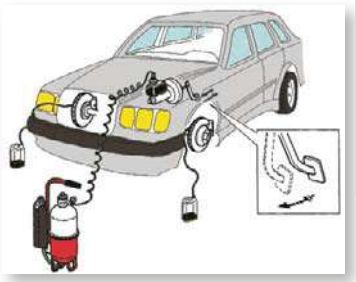
Art.no. **3486**

Art.no. **3481**

Art.no. **3406**

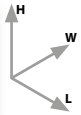
Pneumatic brake bleeding unit, with pressure regulator, 3 m – spiral fluid supply hose, for the bleeding of brakes and clutches, including those with ABS. Container capacity: 9 l.

The unit includes also the following accessories:
- 2 plastic jerrycans for the collection of the brake fluid, art. no. 3485,
- 2 plastic bleeding hoses, art. no. 3481,
- 1 plastic funnel, art. no. 3486.





Art.no.	Weight	Dimensions (LxWxH) (mm)
3406	8.5 Kg	270x340x700

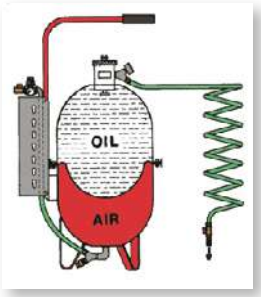


Art.no. **3495**

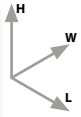
Mobile brake bleeding unit, consisting of:

- trolley with 4 castors, art. no. 4357,
- pneumatic brake bleeding unit, art. no. 3406,
- kit of bleeding adapters for passenger cars and trucks, art. no. 3490
- 2 plastic jerrycans for the collection of the brake fluid, art. no. 3485,
- 2 plastic bleeding hoses, art. no. 3481,
- 1 plastic funnel, art. no. 3486.





Art.no.	Weight	Dimensions (LxWxH) (mm)
3495	30 Kg	500x610x1130

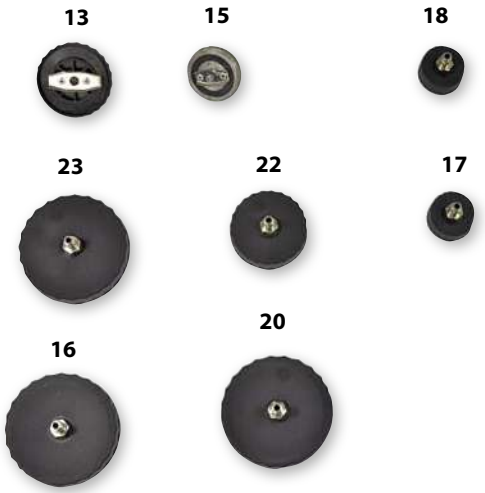




Art.no. **3491**

Kit of brake bleeding adapters, suitable for the most popular passenger cars (does not include universal bleeding adapter), consisting of:
art. nos. 3451 - 3452 - 3453 - 3454 - 3455 - 3456 - 3457 - 3458 - 3459 - 3461 - 3462 - 3469.

Technical data bleeding adapters		
Pos.	Art.no.	External diameter
1	**3451**	26 mm
2	**3452**	25 mm
3	**3453**	28.5 mm
4	**3454**	47 mm
5	**3455**	51 mm
6	**3456**	56 mm
7	**3457**	67 mm
8	**3458**	44 mm
9	**3459**	62 mm
11	**3461**	80 mm
12	**3462**	72 mm
19	**3469**	47.2 mm



Art.no. **3493**

Kit of brake bleeding adapters, suitable for various passenger cars and trucks, consisting of:
art. nos. 3460 - 3463 - 3465 - 3466 - 3467 3468 - 3470 - 3472- 3473.

Technical data bleeding adapters		
Pos.	Art.no.	External diameter
13	**3463**	52 mm
15	**3465**	80 mm
16	**3466**	91 mm
17	**3467**	36 mm
18	**3468**	30 mm
20	**3470**	79 mm
22	**3472**	48 mm
23	**3473**	62,5 mm



Art.no. **3475**

Universal brake bleeding adapter, suitable for the use in most of the existing passenger cars and trucks.

Art.no. **3490**

Complete kit, consisting of all 21 brake bleeding adapters, suitable for passenger cars and trucks, including also universal brake bleeding adapter.

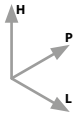
Waste fluids storage tanks, made in plastic or in steel, compliant with the valid norms regulating the storage of waste fluids (Italian directive 392/96 according to European directives 75/349 EEC and 87/101 EEC).



Art.no. **7008 - 300 l**
Art.no. **7009 - 260 l**
Art.no. **7010 - 500 l**

Waste oil storage tank, with double wall in polyethylene (one internal in contact with the oil and one external which serves as a spill containment and security container for the internal one).
The tank is equipped with a wide dome with raisable cover. In its interior there is a removable basket for the drain of oil filters and the opening for charging and discharging the tank.
At the rim of the dome a mechanical level gauge is installed that permits the control of the filling level and a transparent indicator on the side of the external tank allows to detect eventual leakages of the internal tank immediately.
The tank is available in different colours for the storage of different liquids, such as mineral oils, vegetable oils, break fluid, oil-based emulsions or antifreeze.

Art.no.	Capacity (l)	Weight (Kg)	Dimensions (LxWxH) (mm)
7008	300	26	820x820x1080
7009	260	23	800x800x1170
7010	500	37	960x960x1240





Art.no. **8218**

Storage tank for the external use, made of first class carbon steel, equipped with:
- spill containment tray in painted steel with a collection capacity of 100 % of the tank content,
- stable, anti-slip tray base,
- dome with ø 400 mm, including connections,
- external finishing with anti-rust priming and gloss finish.

OPTIONAL
Galvanized porch roof.

Art.no.	**8218/1100**	**8218/1500**	**8218/2200**	**8218/3000**
Capacity (m^3 - l)	1.1 - 1100	1.5 - 1500	2.2 - 2200	3 - 3000
External diameter storage tank (mm)	950	1100	1100	1430
Total length (mm)	1650	1650	2400	2300
Width spill containment tray (mm)	1200	1400	1400	1500
Length spill containment tray (mm)	2000	2000	2700	2500
Height spill containment tray (mm)	500	550	600	850



Art.no. **8218/l**

Horizontal, cylindrical double wall tanks for underground storage of flammable and non-flammable liquids. Made with first class carbon steel with dished ends and a 4 mm wall thickness:
- the external wall of the tanks have a protection coating against corrosion with reinforced fiberglass and are undergoing a high voltage test to prove their integrity;
- with overfill protection valve preset on 90% fill level;
- provided with two sockets for the leak detection system;
- with welded shaft and impermeable manhole access, dimensions 800 x 800 x 500 mm (shaft cover not included);
- equipped with metrical level measurement stick or mechanical level indicator;
- other accessories available on demand.

Art.no.	Capacity (l)	Internal diameter (mm)	External diameter (mm)	Total Length (mm)
8218/1000l	1.000	900	1.000	1.780
8218/2000l	2.000	1.270	1.350	1.780
8218/3000l	3.000	1.430	1.500	2.050
8218/4000l	4.000	1.270	1.350	3.260
8218/5000l	5.000	1.430	1.500	3.310
8218/6000l	6.000	1.600	1.700	3.310
8218/8000l	8.000	1.800	1.900	3.440
8218/10000l	10.000	2.000	2.100	3.500

FLEXBIMEC offers you a complete line of products for the dispensing and monitoring of diesel:

- **Pneumatic pumps**
- **Electric pumps in 12 VDC, 24 VDC and 230 VAC with medium or high delivery**
- **Diesel supply units and dispensing kits**
- **Mechanical and electronic flow meters**
- **Computerized systems for the monitoring and the administration of dispenses**
- **Storage tanks**
- **Level gauges**
- **Control guns**
- **Hoses and hose reels**
- **Filters**
- **Other accessories**

The broad product range permits the user to select from the simple diesel dispensing equipment up to complete diesel monitoring systems.















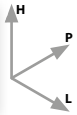
Pneumatic pumps for the transfer of diesel. The indicated delivery figures refer on a free flow outlet.



Art.no. **6557**

Pneumatic rotary vane pump for the transfer of diesel, with filter and by-pass valve, body in aluminium, powered up to 4 bar.
Outlet pressure 4 bar, Max delivery 28 l/min.

Art. no.	Comp. air supply	Air consumption	Outlet pressure	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6557	4 bar	160 l/min	4 bar	28 l/min	1" BSP (F)	5 Kg	140x150x190





Art.no. **6556**

Diesel transfer kit, composed of pneumatic, rotary vane pump, art. no. 6557, suction tube with foot valve suitable for 208 l – drums, bung adapter for the fixation of the pump on the drum, 4 m – delivery hose Ø 3/4" and manual aluminium nozzle.



Art. no.	Compressed air supply	Air consumption	Outlet pressure	Max delivery	Connection threads	Weight
6556	4 bar	160 l/min	4 bar	28 l/min	3/4" BSP (F)	12 Kg



Art.no. **6772**

Diesel transfer kit, composed of pneumatic 1:1 - piston pump, standard series, with wall bracket (art. no. 2044), pressure regulator and air filter with moisture separator (art. no. 7180), 1,5 m – rubber suction hose ø 1" BSP with foot valve and filter, electronic in-line turbine flow meter (art. no. 2823), 4 m - rubber delivery hose 3/4" and **automatic shut-off dispensing nozzle** with inlet swivel (art. no. 6725).

Optional: diesel/water separating cartridge filter (art. no. 6600), see page 164.

Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max delivery	Outlet connection threads	Weight
6772	2 – 8 bar	1: 1	8 bar	35 l/min	3/4" BSP	13 kg

Electric, centrifugal transfer pumps for diesel and fuel oil, suitable for the direct mounting on drums or tanks. These non-selfpriming pumps, protection category IP 44, include motors with thermal circuit breaker, integrated siphon protection device, ON-/OFF switch and an integrated connection thread M 64 x 4 and BSP 2". On the shaft a small manual pump is mounted which serves for the filling of the suction hose as well as for a manual pumping if there is no electric power supply available.



Diesel transfer kit, composed of electric 12 VDC, 24 VDC or 230 VAC pump, 3 m – cable with alligator clamps for battery connection (12 VDC and 24 VDC) or 2 m – cable with earth contact type plug (230 VAC), 1.6 m – suction hose with foot filter, 4 m – rubber delivery hose Ø 3/4" with anti-kink spring, hose tails and **manual plastic nozzle.**

Optional: Electronic turbine flow meter (art. no. 2823).

Art. no.	Voltage	Power	Current drain	Delivery	Connection threads	Weight
6766	12 VDC	150 W	12.5 A	31 l/min	3/4" BSP	3.2 kg
6768	24 VDC	180 W	7.5 A	34 l/min		3.2 Kg
6769	230 VAC	250 W	1.2 A	38 l/min		3.6 kg



Diesel transfer kit, composed of electric 12 VDC, 24 VDC or 230 VAC pump, 3 m – cable with alligator clamps for battery connection (12 VDC and 24 VDC) or 2 m – cable with earth contact type plug, 1.6 m – suction hose with foot filter, 4 m – rubber delivery hose Ø 3/4" with anti-kink spring, hose tails and **automatic shut-off dispensing nozzle** with inlet swivel.

Optional: electronic turbine flow meter (art. no. 2823).

Art. no.	Voltage	Power	Current drain	Delivery	Connection threads	Weight
6770	12 VDC	150 W	12.5 A	31 l/min	3/4" BSP	4.1 kg
6771	24 VDC	180 W	7.5 A	34 l/min		4.1 Kg
6773	230 VAC	250 W	1.2 A	38 l/min		4.5 kg



Electric, hybrid transfer pumps for diesel, fuel oil, bio-diesel (with suitable hoses), antifreeze (with or without water), suitable for the direct mounting on drums or tanks. These pumps are selfpriming, protection category IP 54, with ON-/OFF switch and an integrated connection thread BSP 2".

Art.no. **6782**
Diesel transfer kit, composed of electric 230 VAC pump, 4 m – cable with earth contact type plug, 1.6 m – suction hose with foot filter, 4 m – rubber delivery hose Ø 3/4", high delivery automatic shut-off dispensing nozzle with inlet swivel, with electronic in-line turbine flow meter (art. no. 2823).

Art.no. **6783**
Diesel transfer kit, same as art. no. 6782, but without electronic in-line turbine flow meter.

Art. no.	Voltage	Power	Current drain	Delivery	Connection threads	Weight
6782	230 VAC	950 W	4.5 A	80 l/min	1" BSP	4.5 kg
6783	230 VAC	950 W	4.5 A	85 l/min		4.1 Kg

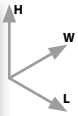
43 l/min



Art.no. **6252**
Art.no. **6254**

Electric vane pump, 12 VDC and 24 VDC, selfpriming, for the transfer of diesel, with transport handle, ON-/OFF-switch and 2 m – cable with alligator clamps for battery connection.

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6252	12 VDC	216 W	18 A	2800	43 l/min	1" BSP (F)	4,5 Kg	140x150x200
6254	24 VDC	240 W	9 A					



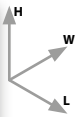
60 l/min



Art.no. **6253**
Art.no. **6255**

Electric vane pump, 12 VDC and 24 VDC, selfpriming, for the transfer of diesel, with transport handle, ON-/OFF-switch and 4 m – cable with alligator clamps for battery connection.

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6253	12 VDC	240 W	30 A	4200	60 l/min	1" BSP (F)	5.6 Kg	130x150x300
6255	24 VDC	240 W	15 A					





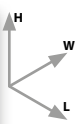


Art.no. **6246**
Art.no. **6249**

Diesel transfer kit, mounted on wall bracket. Available with motor in 12 VDC or 24 VDC.
Composed of mechanical flow meter (art. no. 2866), selfpriming electric vane pump (art. nos. 6252 or 6254) with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with alligator clamps for battery connection, suction foot valve with filter (art. no. 6647), 4 m - rubber delivery hose Ø 3/4" and manual aluminium nozzle.

Optional: automatic shut-off dispensing nozzle with inlet swivel (art. no. 6725).

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6246	12 VDC	220 W	18 A	2800	40 l/min	1" BSP (F)	14 Kg	430x160x340
6249	24 VDC	240 W	9 A					



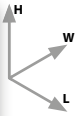
55 l/min



Art.no. **6435**

Electric vane pump, selfpriming, 230 VAC, for the transfer of diesel.
Rotor in sintered steel and vanes in acetal resin.
The pump has a built-in bypass valve; protection category IP 55.
Delivery 55 l/min.

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6435	230 VAC	370 W	1.5 A	2800	55 l/min	1" BSP (F)	7 Kg	170x190x230



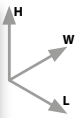
65 l/min



Art.no. **6218**
Art.no. **6219**

Electric vane pump, selfpriming, 230 VAC or 400 VAC, for the transfer of diesel. Rotor in sintered steel and vanes in acetal resin.
The pump has a built-in bypass valve; protection category IP 55.
The low number of rotations of the motor permits a constant flow without turbulences, a low noise and less abrasion of the components.
Delivery 65 l/min at 900 rpm.

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6218	400 VAC	550 W	2.5 A	900	65 l/min	1" BSP (F)	15 Kg	200x240x300
6219	230 VAC	700 W	6.2 A					



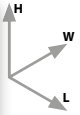
98 l/min



Art.no. **6220**

Electric vane pump, selfpriming, 230 VAC, for the transfer of diesel. Rotor in sintered steel and vanes in acetal resin.
The pump has a built-in bypass valve; protection category IP 55.
Delivery 98 l/min at 1400 rpm.

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6220	230 VAC	550 W	6.2 A	1400	98 l/min	1" BSP (F)	15 Kg	200x240x300





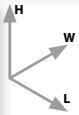
Art.no. **6738**

55 l/min

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket.
Composed of selfpriming electric pump with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with plug and fuse, mechanical flow meter (art. no. 2866), 4 m - rubber delivery hose Ø 3/4", 2 m – suction hose Ø 25 mm, suction foot valve with filter (art. no. 6647) and automatic shut-off dispensing nozzle with inlet swivel (art. no. 6725).



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6738	230 VAC	370 W	1.5 A	2800	55 l/min	1" BSP (F)	18 Kg	400x400x290



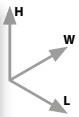


Art.no. **6739**

99 l/min

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket.
Composed of selfpriming electric pump with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with plug and fuse, mechanical flow meter (art. no. 2865), 4 m - rubber delivery hose Ø 1", 2 m – suction hose Ø 25 mm, suction foot valve with filter (art. no. 6647) and automatic shut-off dispensing nozzle with inlet swivel (art. no. 6726).

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6739	230 VAC	750 W	6.2 A	1400	99 l/min	1" BSP (F)	22 Kg	400x400x290



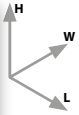


Art.no. **6755**

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket (art. no. 6739), but equipped with automatic rewind, spring – driven hose reel, adjustable arms series, in painted steel (art. no. 9095) with 8 m - rubber delivery hose Ø 1", 2 m – connection hose to pump and diesel/water separating cartridge filter (art. no. 6600).



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6755	230 VAC	750 W	6.2 A	1400	60 l/min	1" BSP (F)	42 Kg	400x400x290



FLEX FUEL - Flexbimec presents the new management and monitoring system for Diesel. An extremely flexible and intuitive system, suitable for plants and company fleets of all sizes for effective control of dispensing.

With FLEX FUEL it is possible to:
- **Control Dispensing.**
- **Easier access by the User.**
- **Manage tanks.**
- **Save money through waste reduction.**
- **Track dispensing data in real time and create a history of information.**

FLEX FUEL TOWER
self-supporting dispensing tower
Art.no. 6225



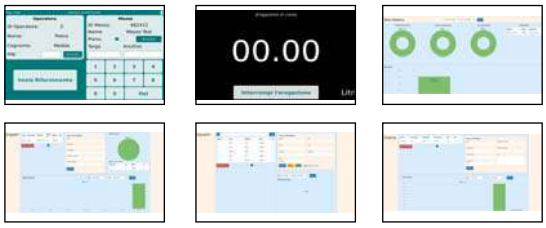
FLEX FUEL BOX
for wall, tanks and drums installation
Art.no. 6228



FLEX FUEL ANTENNA
license plate and/or operator/ vehicle recognition module
Art.no. 6229



FLEX FUEL SOFTWARE
fleet management software



FLEX FUEL allows the operator to access dispensings via:
- OPERATOR RECOGNITION: A SINGLE PERSONAL ACCESS BADGE (which can be the same one already used to detect attendance) or manually via PIN or FINGERPRINT READER;
- VEHICLE RECOGNITION: VEHICLE RECOGNITION ANTENNA (RFID reader) or, alternatively, manual entry of the license plate.

Each system is equipped with n. 2 software for greater SECURITY and INCREASED OPERATIONALITY that allows the following access levels:
1- ADMINISTRATOR
2- SUPERVISOR
3- USERS

FLEX FUEL SOFTWARE allows you to:
- Manage fleets via WI-FI FUNCTIONALITY or LAN network.
- Manage kilometers and hours of work
- Provide hourly authorization even for a single user/vehicle
- Limit the quantity of dispensing
- Export all the data collected in XLS
- Perform remote access
- Consult information via email
- View management data in a graphic and intuitive way
- Alert management
- Analysis of average consumption of user vehicles
- Possibility of collecting service information for each vehicle (for example malfunctions)
- Monitoring of tank levels and alert emails when minimum reserve level is reached.

TECHNICAL CHARACTERISTICS
- Diesel dispensing tower in a faired body prepared with nozzle support and internal hose reel.
- 230 V electric pump art. no. 6220 (see page 160)
- 10 micron cartridge filter (head + replaceable cartridge) with absorption of any presence of water - max flow rate 110 l/min - connections ø 1 1/4"
- Electric pump block system consisting of pressure switch art. no. 7373 and safety electrical panel art. no. 7371
- Flexible hose Ø 1" L. 1 m for connecting the suction hose from the tank to the pump
- Flexible hose Ø 1" L. 3 m for connecting the pump to the gun or delivery hose reel
- Automatic nozzle for diesel - connections ø 1" - max flow rate 120 l/min.
- Can also be installed outdoors.

Optional
Automatic spring hose reel art. no. 9546 (see page 219).



Art.no. **6700**

Manual diesel dispensing nozzle, body in aluminium, with plastic hose tail ø 25 mm and dispensing outlet with ø ext. 25 mm, with latch for locking of trigger.
Max flow rate 90 l/min.
The nozzle can also be used for the dispensing of oils with a max. pressure of 7 bar.

Art.no. **6701**

Same as art. no. 6700, but with inlet swivel 1" BSP (M-F).



Art.no. **6725**

Automatic shut-off dispensing nozzle for diesel, body in aluminium with rubber protection, with inlet swivel 1" BSP (M–F) and dispensing outlet with ø ext. 24 mm.
Max flow rate 60 l/min.

Art.no. **6726**

Automatic shut-off dispensing nozzle for diesel, body in aluminium with rubber protection, with inlet swivel 1" BSP (M–F) and dispensing outlet with ø ext. 29 mm.
Max flow rate 110 l/min.



Art.no. **6721**

Automatic shut-off dispensing nozzle for diesel, high delivery version, body in aluminium, with inlet swivel 1 1/2" BSP (M–F) and dispensing outlet with ø ext. 39 mm, with latch for locking of trigger.

Max flow rate 280 l/min.



Art.no. **2107/34**
Inlet swivel 3/4" BSP (M) – 1" BSP (F).

Art.no. **2107/10**
Inlet swivel 1" BSP (M) – 1" BSP (F).

Art.no. **2107/35**
Inlet swivel 3/4" BSP (M) – 1" BSP (M).

Art.no. **2107/36**
Inlet swivel 1" BSP (M) – 1" BSP (M).

Art.no. **2107/33**
Inlet swivel 3/4" BSP (M) – 3/4" BSP (M).



Art.no. **6439/2P**

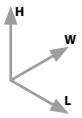
Suction hose assembly for diesel pumps and transfer kits, composed of blue PVC – hose, length 2 m, ø int. 25 mm, with 2 suitable hose tails with connection 1" BSP (M), 2 suitable hose clamps and suction non-return foot valve, body in brass, with filter in stainless steel, connection 1" BSP (F).



Art.no. **6600**
In-line filter for diesel and petrol with 30 microns – cartridge for the absorption of water that is eventually present in the storage tank. The water could particularly become dangerous for the diesel motors of the latest generation. The filter continuously absorbs the water which after some time will cause a reduction of the delivery and also a loss of head of the diesel supply unit. Therefore the waterlogged cartridge must be replaced then. The filter can be installed on the suction side as well as on the delivery side of the diesel supply unit.

Art.no. **6603**
Replacement cartridge, 30 microns, for filter art. no. 6600.

Art. no.	Max flow rate	Working pressure	Burst pressure	Filtration degree	Connection threads	Dimensions (LxWxH) (mm)
6600	70 l/min	3.5 bar	10 bar	30 microns	1" BSP (F)	100 x 280 x 95

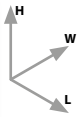




Art.no. **6607**
In-line filter for diesel and petrol with 10 microns – cartridge for the absorption of water that is eventually present in the storage tank. The water could particularly become dangerous for the diesel motors of the latest generation. The filter continuously absorbs the water which after some time will cause a reduction of the delivery and also a loss of head of the diesel supply unit. Therefore the waterlogged cartridge must be replaced then. The filter can be installed on the suction side as well as on the delivery side of the diesel supply unit.

Art.no. **6608**
Replacement cartridge, 10 microns, for filter art. no. 6607.

Art. no.	Max flow rate	Working pressure	Burst pressure	Filtration degree	Connection threads	Dimensions (LxWxH) (mm)
6607	110 l/min	10 bar	30 bar	10 microns	1 1/4"" BSP (F)	114 x 285 x 135

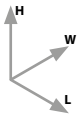




Art.no. **6613**
In-line filter for diesel and petrol with 10 microns – spin-on cartridge. The filter can be installed on the suction side as well as on the delivery side of the diesel supply unit.

Art.no. **6614**
Replacement cartridge, 10 microns, for filter art. no. 6613.

Art. no.	Max flow rate	Working pressure	Burst pressure	Filtration degree	Connection threads	Dimensions (LxWxH) (mm)
6613	60 l/min	10 bar	30 bar	10 microns	1" BSP (F)	100 x 44 x 98

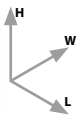


Art.no. **2267 – 2265 – 2268**
In-line (Y – type) filter with strainer, body in brass and strainer in stainless steel.



Art.no. **2267**
Art.no. **2265**
Art.no. **2268**

Art. no.	Working pressure	Burst pressure	Filtration degree	Connection threads	Dimensions (LxWxH) (mm)
2267	10 bar	30 bar	400 microns	1/2" BSP (F)	57 x 40 x 24
2265	10 bar	30 bar	400 microns	3/4" BSP (F)	70 x 52 x 31
2268	10 bar	30 bar	400 microns	1" BSP (F)	96 x 68 x 48



Art.no. **6611** - Plastic suction filter with hose tail ø 25 mm.

Art.no. **6621** - Plastic hose tail ø 25 mm – connection thread 3/4" BSP (M).

Art.no. **6622** - Plastic hose tail ø 25 mm – connection thread 1" BSP (M).

Art.no. **6623** - Plastic hose tail ø 19 mm – connection thread 3/4" BSP (M).

Art.no. **6642** - Suction non-return foot valve, body in plastic, with filter, connection thread 1" BSP (F).

Art.no. **6647** - Suction non-return foot valve, body in brass, with filter in stainless steel. Connection thread 1" BSP (F), ø 47.5 mm, total height 91.5 mm



Art.no. **6642**



Art.no. **6611**



Art.no. **6647**



Art.no. **6621**
Art.no. **6622**
Art.no. **6623**



Art.no. **2866**

Mechanical nutating – disk flow meter for diesel, body in aluminium, with 3 – digits partial meter (max. 999 l; resettable to zero) and 6 – digits totalizer (non resettable). The meter can easily be calibrated and it can also be used for gravity applications. The upper part can be rotated so that every different flow direction is possible.

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
2866	20 – 120 l/min	10 bar	20 bar	± 0.5%	0.01 l	1" BSP (F)	1.4 kg

* Accuracy in % of flow range after calibration.



Art.no. **2865**

Mechanical nutating – disk flow meter for diesel, body in aluminium, with 4 – digits partial meter (max. 9999 l; resettable to zero) and 8 – digits totalizer (non resettable). The meter can easily be calibrated and it can also be used for gravity applications. The upper part can be rotated so that every different flow direction is possible.

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
2865	20 – 120 l/min	10 bar	20 bar	± 0.5%	0.01 l	1" BSP (F)	1.4 kg

* Accuracy in % of flow range after calibration.



Art.no. **2869**

Electronic oscillating - disk flow meter for diesel, body in aluminium, with 6 – digits partial meter (resettable to zero) and 6 – digits totalizer (non resettable).
The meter includes also a flow rate indicator.
The upper part can be rotated so that every different flow direction is possible.

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
2869	5 – 120 l/min	3.5 bar	28 bar	± 0.5%	0.01 l	1" BSP (F)	1.1 kg

* Accuracy in % of flow range after calibration.



Art.no. **2750 - 2753**
Electronic flow meter **series Diesel Neptune** with connection ø 1" BSP (F) (art. no. 2750) and ø 1 1/4" BSP (F) (art. no. 2753), without gun, for inline application.

Art. no.	**2750**	**2753**
Connections	1" BSP (F)	1 1/4" BSP (F)
Flow rate min – max	20 – 100 l/min	20 – 150 l/min
Temperature	+ 5°C / + 50°C	
Max pressure	40 bar (580 psi)	
Precision	± 1%	
Voltage	3 x 1.5 V	
Weight	1.6 kg	1.8 kg



Art.no. **2823**

Electronic turbine flow meter for diesel, body in reinforced polyamide, suitable for in-line applications, with 5 – digits partial meter (resettable to zero) and 6 – digits totalizer (non resettable). The meter includes also a flow rate indicator. The display can be rotated in 4 different positions.

Art. no.	Flow range	Max working pressure	Accuracy*	Resolution	Connection threads	Weight
2823	5 – 120 l/min	20 bar	+ / - 1%	0.01 l	1" BSP (M)	0.4 kg

* Accuracy in % of flow range after calibration.

Art.no. **6561**

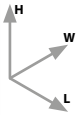


Pneumatic, selfpriming rotary vane pump for the transfer of petrol, with body in cast iron with anticorrosive coating and plastic rotor. On demand the pump can be supplied with an earth cable to enable an electrostatic discharge.

It is constructed in accordance with directive ATEX 2014/34/EU.

Atex II 2 G

Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6561	1 – 4 bar	4 bar	35 l/min	1" BSP (F)	3 kg	140x150x190



Art.no. **6930**

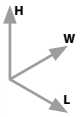


Pneumatic 1:1 – piston pump, suitable for the suction and the transfer of petrol. On demand the pump can be supplied with an earth cable to enable an electrostatic discharge.

It is constructed in accordance with directive ATEX 2014/34/EU.

Atex II 2 G

Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6930	2 – 6 bar	6 bar	25 l/min	3/4" BSP (F)	8 kg	530x120x90



Art.no. **6931**

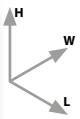


Electric, selfpriming 12 VDC – rotary vane pump (on demand also available in 230 VAC) for the transfer of petrol, with painted body in cast iron with anticorrosive coating, anti-noise filter (electromagnetic compatibility EMC), thermal protection, non-return valve, pressure relief valve, built-in bypass valve.

The pump is constructed in accordance with directive ATEX 2014/34/EU – IECEx (group II – category 2 – G Ex d IIA T4 Gb).

Atex II 2 G

Art. no.	Voltage	Power	Delivery	Current drain	Connection threads	Weight	Dimensions (LxWxH) (mm)
6931	12 VDC	250 W	50 l/min	21 A	1" BSP (F)	7 kg	195x355x270





Art.no. **6933**

Wall-mounted petrol transfer kit, composed of 1:1 - pneumatic piston pump, pressure regulator and air filter with moisture separator, wall bracket, suction hose with foot valve, 3 m – rubber supply hose 3/4" with static wire, automatic shut-off dispensing nozzle with inlet swivel. On demand the pump can be supplied with an earth cable to enable an electrostatic discharge.

It is constructed in accordance with directive ATEX 2014/34/EU.

Atex II 2 G

Art.no.	Compressed air supply	Air consumption	Max outlet pressure	Max delivery	Connection threads	Weight
6933	1 – 4 bar	120 l/min	4 bar	25 l/min	3/4" BSP (F)	15 kg



Art.no. **6934**

Petrol transfer kit, composed of 1:1 - pneumatic rotary vane pump, pressure regulator and air filter with moisture separator, suction tube of 950 mm length with non-return valve, bung adapter, 3 m – rubber hose 3/4" with static wire, automatic shut-off dispensing nozzle with inlet swivel. On demand the pump can be supplied with an earth cable to enable an electrostatic discharge.

It is constructed in accordance with directive ATEX 2014/34/EU.

Atex II 2 G

Art.no.	Compressed air supply	Air consumption	Max outlet pressure	Max delivery	Connection threads	Weight
6934	4 bar	160 l/min	4 bar	35 l/min	3/4" BSP (F)	12 Kg



Art.no. **6935**

Petrol transfer kit, composed of electric, selfpriming 12 VDC – rotary vane pump with painted body in cast iron with anticorrosive coating, anti-noise filter (electromagnetic compatibility EMC), thermal protection, non-return valve, pressure relief valve, built-in bypass valve, 2 m – cable with alligator clamps for battery connection, nozzle holster with lock and ON-/OFF-lever, telescopic suction tube in galvanized steel, 3 m – rubber hose 3/4" with static wire, manual aluminium nozzle with inlet swivel (on demand also automatic shut-off dispensing nozzle available!) and in-line filter with 30 microns – cartridge for the absorption of water that is eventually present in the storage tank.
The pump is constructed in accordance with directive ATEX 2014/34/EU – IECEx (group II – category 2 – G Ex d IIA T4 Gb).

Art.no. **6937**

Dispensing unit as art. no. 6935 but with pump at 230 VAC.

Atex II 2 G

Art. no.	Voltage	Power	Current drain	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6935	12 VDC	250 W	1 A	50 l/min	1" BSP (F)	10 Kg	400x500x460
6937	230 VAC						



Art.no. **6728**

Automatic shut-off dispensing nozzle for petrol, with rubber protection.

Mod.	Flow range	Connection threads	Diameter outlet spout	Weight
6728	1 - 60 l/min	3/4" BSP (F)	20 mm	1.2 kg



Art.no. **2867**

Mechanical nutating – disk flow meter for petrol, kerosene and diesel, with 3 – digits partial meter (max. 999 l; resettable to zero) and 8 – digits totalizer (non resettable). The meter can easily be calibrated and it can also be used for gravity applications. The upper part can be rotated so that different flow directions are possible.
The flow meter is constructed in accordance with directive ATEX 2014/34/EU – IECEx (group II – category 2 – G Ex d IIA T4 Gb).

Atex
II 2 G

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
2867	20 – 120 l/min	3.5 bar	28 bar	+/- 1%	0.01 l	1" BSP (F)	0.6 kg

*Accuracy in % of flow range after calibration.



Art.no. **2868**

Mechanical nutating – disk flow meter for petrol, kerosene and diesel, with 4 – digits partial meter (max. 9999 l; resettable to zero) and 8 – digits totalizer (non resettable). The meter can easily be calibrated and it can also be used for gravity applications. The upper part can be rotated so that different flow directions are possible.
The flow meter is constructed in accordance with directive ATEX 2014/34/EU – IECEx (group II – category 2 – G Ex d IIA T4 Gb).

Atex
II 2 G

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
2868	20 – 120 l/min	3.5 bar	28 bar	+/- 1%	0.01 l	1" BSP (F)	0.6 kg

*Accuracy in % of flow range after calibration.

Art.no. **3115**

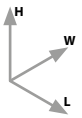


Mobile suction unit for petrol, equipped with pneumatic, rotary gear pump in stainless steel, pressure regulator and air filter with moisture separator, suction hose, kit of suction probes in different diameters, storage bowl, two wheels trolley and 20 l - plastic can for collection of the sucked petrol.



Atex
II 2 G

Art. no.	Max vacuum	Inlet pressure	Compression ratio pump	Air consumption	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3115	0.8 bar	3 bar	1:1	200 l/min	3 bar	17 Kg	410x420x910



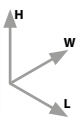
Art.no. **6938**



Mobile suction unit for petrol, equipped with pneumatic 1:1 - piston pump, pressure regulator and air filter with moisture separator, trolley with 2 fixed wheels and 2 castors, 20 l - metal jerrycan, for the collection of the sucked petrol, suction hose, kit of suction probes in different diameters and storage bowl.
The unit is constructed in accordance with directive ATEX 2014/34/EU – IECEx (group II – category 2 – G Ex d IIA T4 Gb).

Atex
II 2 G

Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6938	2 – 6 bar	6 bar	25 l/min	3/4" BSP (F)	19 kg	600x600x1050





Art.no. **9527/EX+289408**

Automatic rewind, spring-driven hose reel, adjustable arms series, in stainless steel AISI 304, in accordance with directive ATEX 2014/34/EU – group II – category 2, with 8 m - rubber hose Ø 1" (ø int. 25 mm), suitable for the supply of petrol in accordance with norm EN 1761:1999.

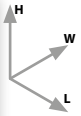
Optional



Art.no. **9765**
Swivel bracket

Atex
II 2 G

Art. no.	Max pressure	Connection threads inlet - outlet	Internal diameter inlet swivel joint	Diameter / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9527/EX +289408	18 bar	1" BSP (M) 1" BSP (F)	20 mm	1" – 8 m	150 mm	22 kg	290x460x450





Art.no. **9525/EX+289415**

Automatic rewind, spring-driven hose reel, heavy duty series, in stainless steel AISI 304, in accordance with directive ATEX 2014/34/EU – group II – category 2, with 15 m - rubber hose Ø 1" (ø int. 25 mm), suitable for the supply of petrol in accordance with norm EN 1761:1999.

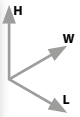
Optional



Art.no. **9764**
Swivel bracket

Atex
II 2 G

Art. no.	Max pressure	Connection threads inlet - outlet	Internal diameter inlet swivel joint	Diameter / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9525/EX +289415	18 bar	1" BSP (M) 1" BSP (F)	20 mm	1" – 15 m	300 mm	38 kg	440x530x500





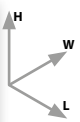
Art.no. **9536/EX+289425**

Automatic rewind, spring-driven hose reel, adjustable arms series, in stainless steel AISI 304, in accordance with directive ATEX 2014/34/EU – group II – category 2, with 25 m - rubber hose Ø 1" (ø int. 25 mm), suitable for the supply of petrol in accordance with norm EN 1761:1999.



Atex
II 2 G

Art. no.	Max pressure	Connection threads inlet - outlet	Internal diameter inlet swivel joint	Diameter / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9536/EX +289425	18 bar	1" BSP (M) 1" BSP (F)	20 mm	1" – 25 m	400 mm	61 kg	500x530x540





Art.no. **8231**

Jerrycan in polyethylene, suitable for the storage of petrol, with flexible outlet.
With UN – approval.

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8231/5	5 l	0.5 kg	260x140x240
8231/10	10 l	0.65 kg	300x170x260
8231/20	20 l	1.2 kg	350x190x380



Art.no. **8235**

Jerrycan in painted sheet steel, suitable for the storage of petrol, internally painted.
With UN – approval.

Optional:
- Art. no. **8231/T**: Rigid dispensing outlet with quick connection coupling.
- Art. no. **8231/F**: Flexible dispensing outlet with quick connection coupling.

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8235/5	5 l	1.9 kg	230x120x330
8235/10	10 l	2.9 kg	370x170x280
8235/20	20 l	4.2 kg	350x160x470



Art.no. **8237**

Jerrycan in stainless sheet steel, suitable for the storage of petrol, wall thickness 0.8 mm.
With UN – approval.

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8237/10	10 l	2.9 kg	350x170x280
8237/20	20 l	4.2 kg	350x170x473



Portable diesel storage tank in polyethylene (wall thickness 5 mm), suitable for the transport in trucks or pick-ups, with ADR – approval (according to ADR 1.1.3.1.c), including refill tube, air vent valve, level gauge, forklift pockets and handles for transport (empty), equipped with electric, selfpriming vane pump 12 VDC (on demand also 24 VDC) with a delivery of 40 l/min, ON-/OFF-switch, automatic shut-off dispensing nozzle, 4 m – rubber delivery hose ø 3/4" and 2 m – cable with alligator clamps for battery connection. Includes a lockable plastic cover.

Optional: electronic diesel flow meter (art. no. 2823).

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8223/220	220 l	28 kg	800x600x700
8223/430	430 l	58 kg	1200x800x750
8223/600	600 l	62 kg	1200x800x1020



Portable petrol storage tank in high density polyethylene, electrically conductive, to enable an electrostatic discharge, suitable for the transport in trucks or pick-ups, with ADR – approval (according to ADR 6.5.4.4.1 b and 6.5.4.4.2 b), including refill tube, air vent valve, level gauge, forklift pockets and handles for transport (empty), equipped with electric, selfpriming rotary vane pump 12 VDC (on demand also 24 VDC) with a delivery of 40 l/min. (constructed in accordance with directive ATEX, 4 m – cable with alligator clamps for battery connection, 4 m – statically conductive rubber supply hose, automatic shut-off dispensing nozzle and nozzle holder. Includes a lockable plastic cover.

On demand also available with manual dispensing pump.

Atex
II 2 G

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8224/120	120 l	26 kg	800x600x470
8224/190	190 l	38 kg	800x600x610



Portable storage tank for AdBlue®/DEF/AUS32 in high density polyethylene, suitable for the transport in trucks or pick-ups, including refill tube, air vent valve, level gauge, forklift pockets and handles for transport (empty), equipped with electric, selfpriming diaphragm pump 12 VDC (on demand also 24 VDC) with a delivery of 25 l/min, ON-/OFF-switch, automatic shut-off dispensing nozzle, 4 m – delivery hose in EPDM, and 4 m – cable with alligator clamps for battery connection. Includes a lockable plastic cover.

Optional: electronic flow meter, suitable for AdBlue®/DEF/AUS32 (art. no. 2822).

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8225/125	125 l	20 kg	800x600x450
8225/210	210 l	21 kg	790x600x690
8225/440	440 l	37 kg	1180x800x710
8225/600	600 l	52 kg	1160x800x1020

FLEX UREA - Flexbimec presents the new management and monitoring system for AdBlue®. An extremely flexible and intuitive system, suitable for plants and company fleets of all sizes for effective control of dispensing.

With FLEX UREA it is possible to:
- **Control Dispensing.**
- **Easier access by the User.**
- **Manage tanks.**
- **Save money through waste reduction.**
- **Track dispensing data in real time and create a history of information.**

FLEX UREA TOWER
self-supporting dispensing tower
Art.no. 6225/UR



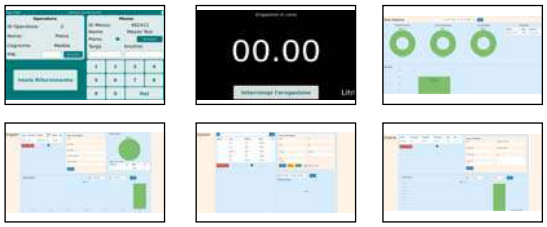
FLEX UREA BOX
for wall, tanks and drums installation
Art.no. 6228/UR



FLEX UREA ANTENNA
license plate and/or operator/ vehicle recognition module
Art.no. 6229/UR



FLEX UREA SOFTWARE
fleet management software



FLEX UREA allows the operator to access dispensings via:
- OPERATOR RECOGNITION: A SINGLE PERSONAL ACCESS BADGE (which can be the same one already used to detect attendance) or manually via PIN or FINGERPRINT READER;
- VEHICLE RECOGNITION: VEHICLE RECOGNITION ANTENNA (RFID reader) or, alternatively, manual entry of the license plate.

Each system is equipped with n. 2 software for greater SECURITY and INCREASED OPERATIONALITY that allows the following access levels:
1- ADMINISTRATOR
2- SUPERVISOR
3- USERS

FLEX UREA SOFTWARE allows you to:
- Manage fleets via WI-FI FUNCTIONALITY or LAN network.
- Manage kilometers and hours of work
- Provide hourly authorization even for a single user/vehicle
- Limit the quantity of dispensing
- Export all the data collected in XLS
- Perform remote access
- Consult information via email
- View management data in a graphic and intuitive way
- Alert management
- Analysis of average consumption of user vehicles
- Possibility of collecting service information for each vehicle (for example malfunctions)
- Monitoring of tank levels and alert emails when minimum reserve level is reached.

TECHNICAL CHARACTERISTICS
- Dispensing tower for AdBlue® in a faired body prepared with nozzle support and internal hose reel.
- 230 V electric pump art. no. 6220 (see page 160)
- 10 micron cartridge filter (head + replaceable cartridge) with absorption of any presence of water - max flow rate 110 l/min - connections ø 1 1/4"
- Electric pump block system consisting of pressure switch art. no. 7373 and safety electrical panel art. no. 7371
- Flexible hose Ø 1" L. 1 m for connecting the suction hose from the tank to the pump
- Flexible hose Ø 1" L. 3 m for connecting the pump to the gun or delivery hose reel
- Automatic nozzle for AdBlue®.
- Can also be installed outdoors.

Optional
Automatic spring hose reel art. no. 9546 (see page 219).

AdBlue® (Diesel Exhaust Fluid (DEF)) is a solution of synthetically produced urea in de-mineralized water which is used to reduce the emissions of nitrogen oxides from the exhaust systems of diesel vehicles. The average consumption of AdBlue® is approx. 5 % of the diesel consumption. It is injected into the exhaust system of heavy diesel vehicles constructed according to norm EURO VI. These vehicles are equipped with a dedicated AdBlue® tank which requires special equipment for the refilling.



Art.no. **5496**

Lever action pump in stainless steel, gaskets in EPDM, suitable for the use in drums or in 1000 l – IBC – tanks, with 4 m – delivery hose, rigid dispensing outlet and bung adapter for fixation on drum or tank. Delivery 8 l/min.

Art.no. **03 5496**
Bung adapter 2"/60x2 for AdBlue® drums and tanks.



Art. no.	Delivery/stroke	Delivery	Diameter bung adapter	Connection thread	Weight
5496	0.13 l	8 l/min	60 x 2	3/4" BSP (M)	2 Kg



Art.no. **5493**

Lever action polypropylene pump, suitable for the use in drums, with 2 m – PVC delivery hose, rigid dispensing outlet and bung adapter for fixation on drum or tank.

Art. no.	Delivery/stroke	Delivery	Diameter bung adapter	Connection thread	Weight
5493	0.5 l	12 l/min	60 x 2	2" BSP (M)	1.6 kg

Art.no. **6123**



Electric, selfpriming gear pump for the supply of AdBlue® and water; guarantees a constant flow and a low noise level.

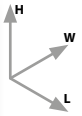
Pump body in IXEF, gears in plastic.

Protection category IP 55.

Includes ON/OFF – switch and 1.5 m – cable with plug.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6123	230 VAC 50 Hz	2.4	1350	250 W	4 bar	15 l/min	1/2" BSP (M)	7 kg	240x290x180

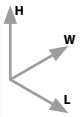


Art.no. **6132**



Electric, selfpriming gear pump for the supply of AdBlue® and water; guarantees a constant flow and a low noise level.
Pump body in stainless steel AISI 304, gears in plastic.
Protection category IP 55.
Includes ON/OFF – switch and 1.5 m – cable with plug and a bypass valve preset on 5 bar pressure.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6132	230 VAC - 50 Hz	3.8 A	2760	370 W	5 bar	10.5 l/min	1/2" BSP (M)	7.5 Kg	150x300x190

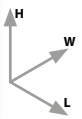


Art.no. **6157**
Art.no. **6158**



Electric, selfpriming gear pump, with motor in 12 VDC or 24 VDC, for the supply of AdBlue® and water.
Pump body in stainless steel AISI 304, gears in plastic.
Includes ON/OFF-switch and 2.5 m – cable with alligator clamps for battery connection.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6157	12 VDC	30 A	3400	240 W	4 bar	10.5 l/min	1/2" BSP (M)	3.6 Kg	260x130x140
6158	24 VDC	15 A							



Art.no. **6113**
Art.no. **6115**

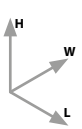


Electric self-priming gear pump, for the supply of AdBlue® and water; guarantees a constant flow and a low noise level.

Pump body in stainless steel, gears in plastic and pump shaft in stainless steel.

Includes a bypass valve preset on 5 bar pressure and 2.5 m - electric cable with alligator clamps for battery connection.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6113	12 VDC	30 A	3400	240 W	5 bar	10 l/min	1/2" BSP (M)	3,6 Kg	260x130x140
6115	24 VDC	15 A							





Art.no. **6745**

Electric dispensing kit for AdBlue®, composed of 230 VAC – electric pump (art. no. 6123), suitable for the use with 1000 l – IBC – tanks, including lateral, metal mounting frame with gun holder, 1 m – EPDM suction hose ø 1/2" with special adapter for connection to the bottom valve of the tank, 3 m – EPDM delivery hose ø 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm (art. no. 2835).

Art.no. **6745/200**
Same kit as art. no. 6745, but with metal mounting frame for installation on top of the drum and including a plastic suction tube with foot valve, length 950 mm, and 0.8 m – connection hose to pump, suitable for the use with 208 l – plastic drums.

OPTIONAL
- Empty 1000 l IBC tank art.no. 8215

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. delivery	Weight
6745	230 VAC - 50 Hz	5.3 A	1400	250 W	4 bar	15 l/min	22 Kg
6745/200							



Art.no. **6744**

Electric dispensing kit for AdBlue®, composed of 230 VAC – electric pump (art. no. 6123), suitable for the use in 1000 l – IBC – tanks, with bung adapter, metal mounting frame with gun holder, suction tube with 0.8 m - connection hose to pump, automatic rewind, spring – driven hose reel, adjustable arms series, in stainless steel, with 15 m – EPDM delivery hose ø 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm (art.no. 2835).

OPTIONAL
- Empty 1000 l IBC tank art.no. 8215

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. delivery	Weight
6744	230 VAC - 50 Hz	5.3 A	1400	250 W	4 bar	20 l/min	48 Kg



Art.no. **6743**

Same kit as art. no. 6744, but with automatic shut-off dispensing nozzle for AdBlue® instead of electronic oval gears flow meter for with control dispensing nozzle.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. delivery	Weight
6743	230 VAC - 50 Hz	5.3 A	1400	250 W	4 bar	20 l/min	48 Kg



Art.no. **6752**



Art.no. **6753**

Art.no. **6752**

Pneumatic dispensing kit for AdBlue®, composed of pneumatic 1:1 - piston pump with wetted parts in stainless steel, suitable for the use in drums or in 1000 l – IBC – tanks, pressure regulator and air filter with moisture separator, bung adapter, 3 m – EPDM delivery hose ø 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm.

Art.no. **6753**

Same kit as art. no. 6752, but with automatic shut-off dispensing nozzle for AdBlue® instead of electronic oval gears flow meter for with control dispensing nozzle.

Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Weight
6752	2-8 bar	8 bar	15 l/min	9 kg
6753				10 kg



OPTIONAL

Art.no. **6751**

Pneumatic dispensing kit for AdBlue®, composed of 3:1 – pneumatic piston pump with wetted parts in stainless steel (art. no. 1050), suitable for the use in 1000 l – IBC – tanks, delivery 15 l/min., with bung adapter, metal mounting frame with gun holder, pressure regulator and air filter with moisture separator, automatic rewind, spring – driven hose reel, adjustable arms series, in stainless steel, with 15 m – EPDM delivery hose ø 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm.

OPTIONAL
- Empty 1000 l IBC tank art.no. 8215

Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max delivery	Weight
6751	2-8 bar	3: 1	24 bar	15 l/min	34 kg

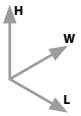


Art.no. **6774**

Mobile, manual dispensing kit for AdBlue® composed of:

- manual lever action polypropylene pump, art.no. 5493 (see page 153!),
- bung adapter for fixation on drum,
- plastic suction tube with non-return foot valve,
- 2 m – PVC – delivery hose,
- electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm, art.no. 2835 (see page 160!),
- trolley with 2 wheels and 1 castor with brake, in galvanized steel, with pump mounting rack.

Art. no.	Delivery/stroke	Delivery/min	Suitable for drums of	Weight	Dimensions (LxWxH) (mm)
6774	0.50 l	12 l/min	60 l	10 kg	600x380x1010

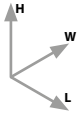




Art.no. **6775**

Same kit as art. no. 6774, but without electronic oval gears flow meter for AdBlue®, with control dispensing nozzle and rigid outlet.

Art. no.	Delivery/stroke	Delivery/min	Suitable for drums of	Weight	Dimensions (LxWxH) (mm)
6775	0.50 l	12 l/min	60 l	9 kg	600x380x1010



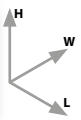


Art.no. **6777**

Mobile, pneumatic dispensing kit for AdBlue® composed of:

- pneumatic 1:1 - piston pump with wetted parts in stainless steel, art.no. 1071 (see page 166!),
- pressure regulator and air filter with moisture separator, art.no. 7180,
- bung adapter for fixation on drum,
- plastic suction tube with non-return foot valve,
- 3 m – EPDM delivery hose ø 1/2", with connections in stainless steel, 1/2" BSP (F),
- electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm, art.no. 2835 (see page 160!),
- trolley with 2 wheels and 1 castor with brake, in galvanized steel, with pump mounting rack.

Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max. delivery	Suitable for drums of	Weight	Dimensions (LxWxH) (mm)
6777	2-8 bar	1:1	8 bar	30 l/min	60 l	14 kg	600x380x1010





Art.no. **6779**

Mobile, pneumatic dispensing kit for AdBlue® composed of:
- pneumatic 1:1 - piston pump with wetted parts in stainless, art.no. 1071 (see page 166!),
- pressure regulator and air filter with moisture separator, art.no. 7180,
- bung adapter for fixation on drum,
- plastic suction tube with non-return foot valve,
- 3 m – EPDM delivery hose ø 1/2", with connections in stainless steel, 1/2" BSP (F),
- electronic turbine flow meter for AdBlue®, art.no. 2822 (see page 160!),
- automatic shut-off dispensing nozzle for AdBlue®, art. o. 6729,
- heavy duty trolley with 2 wheels and 2 castors with brake and with grate, in galvanized steel.

Art.no. **6778**

Mobile, pneumatic dispensing kit for AdBlue® composed of:
- pneumatic 1:1 - piston pump with wetted parts in stainless, art.no. 1071 (see page 166!),
- pressure regulator and air filter with moisture separator, art.no. 7180,
- bung adapter for fixation on drum,
- plastic suction tube with non-return foot valve,
- 3 m – EPDM delivery hose ø 1/2", with connections in stainless steel, 1/2" BSP (F),
- electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm, art.no. 2835 (see page 160!),
- trolley with 2 wheels and 2 castors, in galvanized steel, art.no. 4380/Z.



Art.no. **6778**

Art. no.	Compressed air supply	Max outlet pressure	Max. delivery	Suitable for drums of	Weight	Dimensions (LxWxH) (mm)
6779	2-8 bar	8 bar	30 l/min	200 l	42 kg	790x900x1400
6778					36 kg	900x830x1400



Art.no. **6785**

Mobile, electric dispensing kit for AdBlue® composed of:
- 230 VAC – electric gear pump, art.no. 6123 (see page 154!),
- bung adapter for fixation on drum,
- plastic suction tube with non-return foot valve and bung adapter for fixation on drum,
- 3 m – EPDM delivery hose ø 1/2", with connections in stainless steel, 1/2" BSP (F),
- electronic turbine flow meter for AdBlue®, art.no. 2822 (see page 160!),
- automatic shut-off dispensing nozzle for AdBlue®, art.no. 6729,
- heavy duty trolley with 2 wheels and 2 castors with brake and with grate, in galvanized steel.

Art.no. **6784**

Mobile, electric dispensing kit for AdBlue® composed of:

- 230 VAC – electric gear pump, art.no. 6123 (see page 154!),
- bung adapter for fixation on drum,
- plastic suction tube with non-return foot valve and bung adapter for fixation on drum,
- 3 m – EPDM delivery hose ø 1/2", with connections in stainless steel, 1/2" BSP (F),
- electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm, art.no. 2835 (see page 160!),
- heavy duty trolley with 2 wheels and 2 castors with brake and with grate, in galvanized steel.



Art.no. **6784**

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Max. delivery	Suitable for drums of	Weight	Dimensions (LxWxH) (mm)
6785	230 VAC 50 Hz	5.3 A	1360	250 W	2 bar	25 l/min	200 l	43 kg	790x900x1400
6784								37 kg	900x830x1400

RF

Ø 1/2"

2TT

The **new electronic flow meter series *2TT NEPTUNE*** features the following characteristics:

- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component.

The flow meter allows to display four different measurement results:

1) the quantity of each individual fluid dispense: single operation measurement (resettable),
2) **FLOW:** It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
3) **TRIP:** the quantity of a sum of dispenses: partial totalizer (resettable)
4) **TOTAL:** the total of all dispenses ever made: absolute totalizer (not resettable)

- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries throught a rear holder;
- the flow meter is equipped by a rubber protection guard.



Art.no. **2835**
AdBlue®

Art.no. **2835**

Electronic oval gears flow meter for ***AdBlue®*** serie ***Neptune***, not approved for fiscal transactions, plastic body in IXEF loaded with high density glass fibre, gears in PPS and PTFE, with plastic control gun, inlet swivel in stainless steel 1/2" BSP (M) and rigid outlet in stainless steel, ø 16 mm, with automatic anti-drip nozzle in stainless steel.



Art.no. **2615**
AdBlue®

Art.no. **2615**

Electronic oval gears flow meter for ***AdBlue®*** serie ***Neptune***, not approved for fiscal transactions, body in plastic with high density glass fibre IXEF, gears in PPS and PTFE, suitable for inline applications.

Art. no.	**2835**	**2615**
Connection	1/2" BSP (M)	1/2" BSP (F)
Delivery min - max	1 - 20 l/min	
Temperature	+ 5°C / + 50°C	
Max pressure	25 bar (363 psi)	10 bar (145 psi)
Precision	± 0.5%	
Total max (resettable)	99999 l	
Total max (non-resettable)	99999 l	
Power	3 x 1.5 V	
Weight	1.2 kg	0.8 kg

Not approved for fiscal transactions.

4TT



Art.no. **2814**
Art.no. **2814/RF**
AdBlue®



Art.no. **2818**
Art.no. **2818/RF**
AdBlue®

The **new electronic flow meter series *4TT*** features the following characteristics:

- the function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component;
- the flow meter allows to display five different measurement results:

1) the quantity of each individual fluid dispense: single operation measurement (resettable),
2) **FLOW:** It is possible to read the instant flow in liters, quarts, pints and gallons for a continuous monitoring of the precision of the flow meter within the work parameters,
3) **TRIP:** the quantity of a sum of dispenses: partial totalizer (resettable),
4) **TOTAL:** the total of all dispenses ever made: absolute totalizer (not resettable),
5) **MEMORY:** traceability of operations up to 1,000 records with indication of the unit of measurement, date and time in which the delivery was performed.

- possibility of recalibration by the customer to increase the accuracy of the final plant parameters;
- the flow meter has an enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- the display additionally assures a perfect readability through included backlit feature;
- the flow meter offers the possibility of changing the measuring unit (liters, quarts, pints, gallons);
- it also assures an improved accuracy and repeatability of the measurement;
- easy change of the batteries throught a rear holder;
- the flow meter is equipped by a rubber protection guard;
- the control gun includes a trigger guard and an intergrated inline filter which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.

Art.no. **2814**

Electronic oval gears flow meter for **AdBlue®**, series **MARS**, with control gun, rubber protection guard, trigger guard, rigid outlet, anti-drip nozzle and inlet swivel 1/2" BSP (M). Gun with plastic body.

Art.no. **2818**

Electronic oval gears flow meter for **AdBlue®**, series **MARS**, suitable for inline applications, connections 1/2" BSP (F).

The flow meters of series JUPITER are sophisticated flow meter models due to a radio frequency data transmission to be used in combination with the RF CONNECT control unit.

Art.no. **2814/RF**

Electronic oval gears flow meter for **AdBlue®**, series **JUPITER**, with control gun, rubber protection guard, trigger guard, rigid outlet, anti-drip nozzle and inlet swivel 1/2" BSP (M). Gun with plastic body.

Art.no. **2818/RF**

Electronic oval gears flow meter for **AdBlue®**, series **JUPITER**, suitable for inline applications, connections 1/2" BSP (F).

Art. no.	**2814 2814/RF**	**2818 2818/RF**
Connection	M 1/2" BSP	F 1/2" BSP
Delivery min - max	1 - 20 l/min	
Temperature	+ 5°C / + 50°C	
Max pressure	25 bar (363 psi)	
Precision	± 0.5%	
Total max (resettable)	99999 l	
Total max (non-resettable)	99999 l	
Power	3 x 1.5 V	
Weight	0.80 kg	0.60 kg

Not approved for fiscal transactions.



Art.no. **2822**

Electronic turbine flow meter for AdBlue®, body in reinforced polyamide, suitable for in-line applications, with 5 – digits partial meter (resettable to zero) and 6 – digits totalizer (non resettable). The meter includes also a flow rate indicator. The display can be rotated in 4 different positions.

Art. no.	Max working pressure	Max flow rate	Accuracy	Connection thread	Weight	Dimensions (LxWxH) (mm)
2822	20 bar	100 l/min	+/-1%	1" BSP (M)	0.4 kg	100x54x74



Art.no. **6709**

Plastic dispensing nozzle for AdBlue®, internal components in stainless steel, with Viton® gaskets, wetted parts and rigid dispensing outlet (ø 18.8 mm) in stainless steel, plastic connection adapter and lockable trigger.

Art. no.	Max working pressure	Flow range	Connection thread	Weight	Dimensions (LxWxH) (mm)
6709	3 bar	1 - 40 l/min	1" BSP (F)	0.3 kg	400x155x56



Art.no. **6729**

Automatic filling nozzle for AdBlue®, plastic body with rubber protection, with Viton® gaskets, wetted parts and rigid dispensing outlet (ø 19 mm) in stainless steel, swivel hose tail ø 19 mm.

Art. no.	Max working pressure	Flow range	Connection thread	Weight	Dimensions (LxWxH) (mm)
6729	8 bar	1 - 35 l/min	Hose tail ø 20 mm – 3/4" BSP (M)	2.5 kg	400x155x56



Art.no. **6724**

Automatic shut-off dispensing nozzle for AdBlue®, body in coated aluminium, internal components in stainless steel and plastic, suitable for the use with light vehicles, with integrated misfiling prevention, antidrip device on outlet, inlet swivel 3/4" BSP (M). Dispensing only possible in conjunction with filling points according to ISO 22241-5. Includes also test adapter and an adjustment key for changing the flow rate.

Art. no.	Max working pressure	Flow range	Connection thread	Weight	Dimensions (LxWxH) (mm)
6724	min. 1.5 bar – max. 3.5 bar	1 - 10 l/min	3/4" BSP (M)	1.5 kg	400x155x56

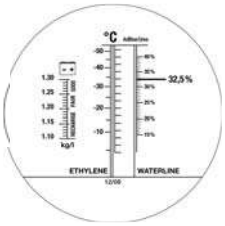


Art.no. **8735**

Electronic oval gears flow meter with pulse transmitter, body in IXEF, including a stainless steel 24 VDC - solenoid valve, an in-line 125 µm cartridge filter and a wall bracket. Suitable for the use with water-based fluids and AdBlue® (DEF).
Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art. no.	Max working pressure	Max flow rate	Accuracy	Connection thread	Number of pulses	Weight	Dimensions (LxWxH) (mm)
8735	10 bar	10 l/min	+ / - 0.5%	1/2" BSP (F)	95/l	1.5 kg	120x120x160





Art.no. **7324**

Refractometer for checking the quality of AdBlue®.
The device is indicating the urea concentration in the fluid in percentage by weight on a scale with a light/dark separating line.
Adjustable ocular permits adaptation to the user's eyesight.
A dropper to take a sample quantity of the fluid is included.



Art.no. **2253**



Art.no. **2897**

Art.no. **2253**

Plastic suction tube, ø 40 mm, length 1100 mm, with bung adapter 2" BSP for fixation on drums or tanks and 90° - elbow adapter ø 25 mm for hose connection. Suitable for 1000 l – IBC – tanks.

Art.no. **2897**

EPDM delivery hose, ø 3/4" (sold by the meter).



Art.no. **2256**

Suction kit for AdBlue® drums and tanks, composed of plastic suction tube (in HDPE) with plug head BCS 56x4 and foot valve and SEC/CDS - suction coupling with 90° - elbow hose tile ø 20 mm for hose connections.





Art.no. **9090X + 289810**
Art.no. **9091X + 289815**
Art.no. **9092X + 289820**
Art.no. **9093X + 289825**
Art.no. **9095X + 289910**
Art.no. **9096X + 289915**

Automatic rewind, spring-driven hose reel, in painted steel, with wetted parts (swivel joint and internal fluid shaft) in stainless steel AISI 304, with EPDM – delivery hose and connections in stainless steel.

Optional accessories:
- hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "**/HB**" to the individual hose reel article number! See also information at the bottom of this page!
- Art. no. 9767B – art.no. 9768B - Swivel bracket

On demand the swivel joint and the internal shaft are also available in stainless steel AISI 316.



Art.no. **9767B**
Art.no. **9768B**





Art.no. **9590 + 289810**
Art.no. **9591 + 289815**
Art.no. **9592 + 289820**
Art.no. **9593 + 289825**
Art.no. **9595 + 289910**
Art.no. **9596 + 289915**

Automatic rewind, spring-driven hose reel, in stainless steel AISI 304, with wetted parts (swivel joint and internal fluid shaft) in stainless steel AISI 304, with EPDM – delivery hose and connections in stainless steel.

Optional accessories:
- hydraulic spring brake device for the controlled and safe rewinding of hoses. Please add suffix "/HB" to the individual hose reel article number! See also information at the bottom of this page!
- Art. no. 9760 – art.no. 9765 - Swivel bracket .

On demand the swivel joint and the internal shaft are also available in stainless steel AISI 316.



Art.no. **9760**
Art.no. **9765**



Art. no.	Max working pressure	Connection threads IN - OUT	Diameter hose	Length hose	Spool width (F)	Suitable pivoting wall bracket	Weight	Dimensions (A-B-C) (mm)
9090X + 289810	20 bar	1/2" BSP (M) – 1/2" BSP (F)	1/2"	10 m	120 mm	9767B	15 kg	240x560x450
9091X + 289815				15 m			16 kg	
9092X + 289820				20 m	150 mm	9768B	21 kg	270x560x450
9093X + 289825				25 m	200 mm		26 kg	305x560x450
9095X + 289910		3/4" BSP (M) – 3/4" BSP (F)	3/4"	10 m	150 mm		17 kg	270x500x490
9096X + 289915				15 m	200 mm		31 kg	305x490x490
9590 + 289810		1/2" BSP (M) – 1/2" BSP (F)	1/2"	10 m	120 mm	9760	15 kg	240x560x450
9591 + 289815				15 m			16 kg	
9592 + 289820				20 m	150 mm	9765	21 kg	270x560x450
9593 + 289825				25 m	200 mm		26 kg	305x560x450
9595 + 289910		3/4" BSP (M) – 3/4" BSP (F)	3/4"	10 m	150 mm		24 kg	270x500x490
9596 + 289915				15 m	200 mm		31 kg	305x490x490



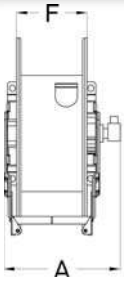
OPTIONAL

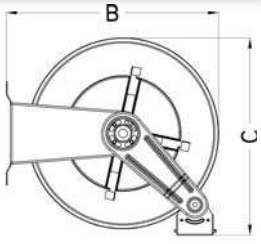
HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967



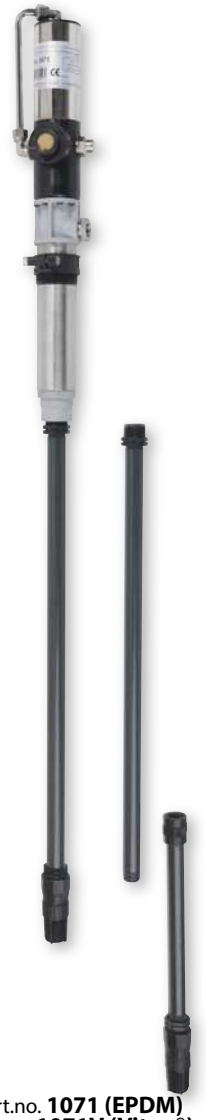




Pneumatic pumps, standard series, with cylinder in stainless steel AISI 304 and EPDM , VITON® or PTFE gaskets for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.



Art.no. **1045 (EPDM)**
Art.no. **1045V (Viton®)**
Art.no. **1045TF (PTFE)**



Art.no. **1071 (EPDM)**
Art.no. **1071V (Viton®)**



Art.no. **1072 (EPDM)**
Art.no. **1072V (Viton®)**



Art.no. **1049 (EPDM)**
Art.no. **1049V (Viton®)**
Art.no. **1049TF (PTFE)**



Art.no. **1050 (EPDM)**
Art.no. **1050V (Viton®)**
Art.no. **1050TF (PTFE)**

Art. no.	1045	1045V	1045TF	1049	1049V	1049TF	1071	1071V	1072	1072V	1050	1050V	1050TF
Compressed air supply	Compressed air Min 2 Max 8 bar (30 - 116 psi)												
Compression ratio	1:1			3:1			1:1		1:1		3:1		
Outlet pressure	8 bar (116psi)			24 bar (348 psi)			8 bar (116 psi)		8 bar (116 psi)		50 bar (725 psi)		
Delivery	35 l/min			13 l/min			40 l/min		35 l/min		13 l/min		
Connection compressed air	1/4" BSP (F)												
Connection lubricant outlet	3/4" BSP (F)			1/2" BSP (M)			3/4" BSP (F)		3/4" BSP (F)		1/2" BSP (M)		
Max air consumption with 8 bar pressure	210 l/min												
Length suction tube	260 mm			260 mm			1000 mm / 1300 mm		1000 mm		1000 mm		
Gaskets	EPDM	Viton®	PTFE	EPDM	Viton®	PTFE	EPDM	Viton®	EPDM	Viton®	EPDM	Viton®	PTFE
Weight	5 Kg			4 Kg			7 Kg		7 Kg		4.2 Kg		

Heavy duty pneumatic pumps, particularly designed for the supply of fluids under demanding conditions and where a high delivery is required. With cylinder in stainless steel AISI 304 and PTFE gaskets, suitable for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.

Flanged version



Art.no **1079**

Flanged version



Art.no **1081**
Art.no **1082**
Art.no **1083**

Divorced version



Art.no **1085**

Art. no.	1079	1081	1082	1083	1085
Compressed air supply	Compressed air Min 2 Max 8 bar (30 - 116 psi)				
Compression ratio	4:1	8:1	12:1	16:1	8:1
Outlet pressure	32 bar (464 psi)	64 bar (928 psi)	96 bar (1392 psi)	128 bar (1856 psi)	64 bar (928 psi)
Delivery	35 l/min	30 l/min	27 l/min	15 l/min	30 l/min
Connection compressed air	1/2" BSP (F)				
Connection lubricant outlet	3/4" BSP (F)				
Max air consumption with 8 bar pressure	280 l/min	2050 l/min	1920 l/min	1800 l/min	2050 l/min
Length suction tube	260 mm	355 mm			655 mm
Diameter pneumatic piston	80 mm	100 mm	125 mm	160 mm	100 mm
Gaskets	PTFE				
Weight	12 kg	15 kg	16 kg	19 kg	16 kg



Art.no **2214/55**

Wall bracket in galvanized steel, suitable for the installation of heavy duty pneumatic pumps.



Art.no **2203**

Wall bracket in galvanized steel, suitable for the installation of pneumatic pumps art. nos. 1045 and 1049.

Dimensions: 170 x 140 x 235 mm.

Distances between fixation holes: 140 x 200 mm.



Art.no **1104/15** Art.no **1104/12** Art.no **1104** Art.no **1104/07** Art.no **1106**

Art.no **1104**
Suction tube in stainless steel, ø 40 mm, length 950 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with 208 l - drums.

Art.no **1104/07**
Suction tube in stainless steel, ø 40 mm, length 650 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with 60 l - drums.

Art.no **1104/12**
Suction tube in stainless steel, ø 40 mm, length 1200 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with tanks.

Art.no **1104/15**
Suction tube in stainless steel, ø 40 mm, length 1500 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with tanks.

Art.no **1106**
Suction tube in plastic material, ø 28 mm, supplied in two parts with length 650 mm and 950 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with drums or tanks.



Low pressure hoses in synthetic rubber, GPH type, with double female stainless steel connections (swivel nuts), suitable for the use with AdBlue®/DEF/AUS32, water (at low pressure and high temperature), chemical fluids, acids, glycol, compressed air (at low pressure).
Internal structure in conductive black rubber, coating in black rubber, highly resistant to abrasion, heat, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. In accordance with norm BS 2050:1978 (= Specification for electric resistance of conducting and antistatic products made from flexible polymeric material).

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature	Weight
2898XX	1/2"	13 mm	21 mm	20 bar	60 bar	100 mm	-40/+120°C	0.26 kg/m
2899XX	3/4"	19 mm	30 mm	20 bar	60 bar	112 mm	-40/+120°C	0.57 kg/m

XX stands for the required hose length in meters (f. ex. 2898**15** = 15 m)



Art.no **1107** Art.no **1109** Art.no **1110**



Art.no **1111** Art.no **1112** Art.no **1108** Art.no **1113** Art.no **1114**

Art.no **1107** Inlet swivel, in stainless steel AISI 304, connection threads 1/2" BSP (M).

Art.no **1108** Non-return valve in stainless steel AISI 304, suitable for in-line installations, connection threads 1/2" BSP (F).

Art.no **1109** Inlet swivel, in stainless steel AISI 304, connection threads 3/4" BSP (M) - 1/2" BSP (M).

Art.no **1110** Inlet swivel, in stainless steel AISI 304, connection threads 3/4" BSP (M) – hose tail ø 20 mm.

Art.no **1111** Hose tail in stainless steel AISI 316, ø 20 mm,connection thread 3/4" BSP (M).

Art.no **1112** Hose tail in stainless steel AISI 316, ø 20 mm,connection thread 1/2" BSP (M).

Art.no **1113** Quick coupling in stainless steel AISI 316, connection thread 1/2" BSP (F).

Art.no **1114** Quick coupling in stainless steel AISI 316, connection thread 1/2" BSP (M).

Manual pumps with suction tube in stainless steel AISI 304, suitable for the transfer of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.



Art.no **5480 RINOX 80**

Lever action, single acting drum pump in stainless steel, delivery 8 l/min, for the use in 200 l - drums, with curved rigid outlet, bung adapter for the fixation on drum and gaskets in Viton®.

Art.no **5495 RINOX 95**

Lever action, single acting drum pump in stainless steel, delivery 8 l/min, for the use in 200 l - drums, with curved rigid outlet, bung adapter for the fixation on drum and gaskets in PTFE.

Art. no.	Delivery/min	Delivery/stroke	Length suction tube	Weight	Dimensions (LxWxH) (mm)
5480	8 l/min	0.13 l	930 mm	2 Kg	410x80x1350
5495					



Imported model

Art.no **5416**



Imported model

Art.no **5417**

Art.no **5416**

Lift action pump for chemicals, body and suction tube in white nylon, gaskets in PTFE, piston in stainless steel, suction tube length 1000 mm for the use in 60 l – or 208 l - drums, including bung adapter 2" BSP and rigid outlet spout. Suitable for the use with various chemicals, solvents, detergents, antifreeze, water-based fluids, windshield washer fluid and other.

Art.no **5417**

Siphon pump, in polypropylene, gaskets in Viton®, with two-parts suction tube, length 1000 mm for the use in 60 l – or 208 l- drums, including bung adapter 2" BSP and 1 m - plastic flexible outlet hose. Suitable for the use with various chemicals, solvents, detergents, antifreeze, water-based fluids, windshield washer fluid and other.

Art. no.	**5416**	**5417**
Delivery/stroke	0.20 l	
Connection fluid outlet	3/4" BSP (M)	Hose tail ø 20 mm
Length suction tube	1000 mm	
Dimensions (LxWxH) (mm)	100x90x850	
Suitable for drums of	60/208 l	
Weight	1.2 kg	

Electric and pneumatic selfpriming pumps, with pump body in stainless steel and PTFE – or Viton® gaskets, for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.

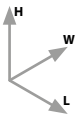


Art.no **1058**

Pneumatic, selfpriming rotary gear pump for the transfer of various fluids. Pump body in stainless steel AISI 304, gears in plastic, gaskets in Viton® and pump shaft in stainless steel. Ideal for spraying applications or for keeping a circulation of a fluid in a closed circuit, f. ex. in parts washers.



Art. no.	Compressed air supply	Air consumption	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
1058	4 bar	200 l/min	4 bar	10.5 l/min	3/8" BSP (F)	1.5 Kg	165x160x80





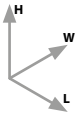
Art.no **1052**
Art.no **1053**
Art.no **1054**
Art.no **1055**
Art.no **1056**

Electric gear pump, selfpriming, 12 VDC, 24 VDC or 230 VAC, particularly suitable for the use of chemical fluids or in applications where the use of wetted parts in stainless steel is required. Resistant to most acid and alkaline solutions. Suitable also for the transfer of battery acid. Includes an in-line filter. Body and shaft in stainless steel AISI 316, gears in PTFE, gaskets in elastomeric fluorine.



Art.no **1056**

Art. no.	Voltage	Current drain	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
1052	12 VDC	5 A	1.5 bar	14 l/min	3/8" BSP (F)	1.5 kg	165x160x80
1053			4 bar	12 l/min		1.9 kg	192x170x103
1054	24 VDC	3 A	1.5 bar	14 l/min		1.5 kg	165x160x80
1055			4 bar	12 l/min		1.9 kg	192x170x103
1056	230 VAC	0.8 A	6 bar	10 l/min		7.5 kg	279x166x192





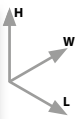
Art.no **1064**
Art.no **1065**
Art.no **1066**

Pneumatic double diaphragm pump.
Pump body and seats in stainless steel AISI 316, diaphragms in Hytrel® + PTFE.
Selfpriming up to 5 m suction lift, working also unlimitedly in dry running condition.

The pump is constructed in accordance with directive ATEX.

Ex II 3/3 GD C IIB T 135°C

Art. no.	Max flow rate	Max. suction lif	Compressed air supply	Connections compressed air inlet	Connections fluid inlet - outlet	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
1064	55 l/min	6 m	2-7 bar	1/4" BSP (F)	1/2" BSP (F)	200 l/min	5 Kg	238x156x250
1065	120 l/min			3/8" BSP (F)	3/4" BSP (F)	250 l/min	6 Kg	258x178x280
1066	170 l/min			1/2" BSP (F)	1" BSP (F)	350 l/min	20 Kg	360x220x370



Electric pumps for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.



Art.no **6123**

Electric, selfpriming gear pump for the transfer of various fluids and chemical products; guarantees a constant flow and a low noise level.

Pump body in IXEF, gears in plastic.

Protection category IP 55.

Includes ON/OFF – switch and 1.5 m – cable with plug.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6123	230 VAC 50 Hz	2.4 A	1350	250 W	4 bar	15 l/min	1/2" BSP (M)	7 kg	240x290x180



Art.no **6132**

Electric, selfpriming gear pump for the transfer of various fluids and chemical products; guarantees a constant flow and a low noise level.
Pump body in stainless steel AISI 304, gears in plastic.
Protection category IP 55.
Includes ON/OFF – switch and 1.5 m – cable with plug and a bypass valve preset on 5 bar pressure.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6132	230 VAC 50 Hz	3,8 A	2760	370 W	5 bar	10.5 l/min	1/2" BSP (M)	7.5 Kg	150x300x190



Art.no **6446**

Electric, centrifugal pump for the transfer of clean water.
Pump body and rotor in stainless steel AISI 304.

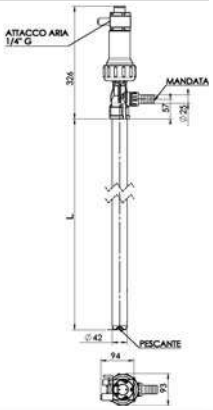
Art. no.	Voltage	Current drain	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6446	230 VAC 50 Hz	5 A	750 W	4 bar	160 l/min	1 1/4" BSP (F)	11 kg	296x206x186

Pneumatic drum pumps for the transfer of chemical products. These pumps are equipped with an impeller which is situated at the upper end of the suction tube and is directly connected to the motor. It can be used for fluids compatible with the pump component materials up to a viscosity of 600 cps.
The pumps allow a flow regulation and may be used only with the suction tube immersed in a fluid and installed in vertical position.
Available also with a 1200 m – suction tube for the use with 1.000 l – IBC – tanks.



Body and suction tube in polypropylene, shaft in stainless steel AISI 316, gaskets in Viton®.

Impeller in ECTFE, suction tube connection in polypropylene.

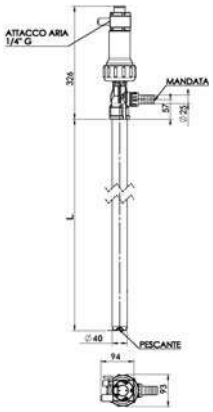


Art.no.	Delivery	Outlet connection	Operating temperature range	Length suction tube (L)	Diameter suction tube	Weight
1090	70 l/min	Hose tail ø 25 mm	+3° / +65° C	900 mm	42 mm	2.5 kg
1090/120				1200 mm		2.8 kg



Body and suction tube in PVDF, shaft in HASTELLOY, gaskets in Viton®.

Impeller in ECTFE, suction tube connection in ECTFE.

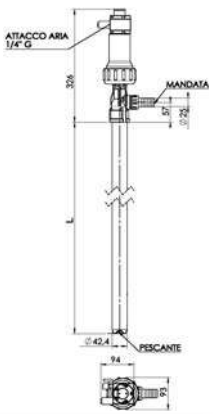


Art.no.	Delivery	Outlet connection	Operating temperature range	Length suction tube (L)	Diameter suction tube	Weight
1091	70 l/min	Hose tail ø 25 mm	+3° / +95° C	900 mm	40 mm	2.7 kg
1091/120				1200 mm		3.0 kg



Body and suction tube in stainless steel AISI 316, shaft in stainless steel AISI 316, gaskets in Viton®.

Impeller in ECTFE, suction tube connection in ECTFE.



Art.no.	Delivery	Outlet connection	Operating temperature range	Length suction tube (L)	Diameter suction tube	Weight
1092	70 l/min	Hose tail ø 25 mm	+3° / +95° C	900 mm	42.4 mm	5.4 kg
1092/120				1200 mm		6.4 kg

Electric drum pumps for the transfer of chemical products. These pumps are equipped with an impeller which is situated at the upper end of the suction tube and is directly connected to the motor. It can be used for fluids compatible with the pump component materials up to a viscosity of 900 cps.
The pumps are equipped with a safety switch to prevent an inadvertent activation after a power breakdown.
The pump may be used only with the suction tube immersed in a fluid and installed in vertical position.
Available also with a 1200 m – suction tube for the use with 1.000 l – IBC – tanks.

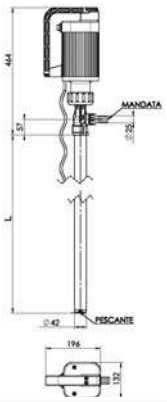


Body and suction tube in polypropylene, shaft in stainless steel AISI 316, gaskets in Viton®.

Impeller in ECTFE, suction tube connection in polypropylene.

Cable supplied without plug.





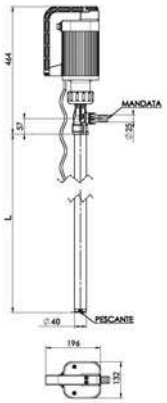
Art.no.	Power	Voltage	Delivery	Outlet connection	Operating temperature range	Length suction tube (L)	Diameter suction tube	Weight
1095	800 W	230 VAC	90 l/min	Hose tail ø 25 mm	+3° / +65° C	900 mm	42 mm	5.2 kg
1095/120						1200 mm		5.5 kg



Body and suction tube in PVDF, shaft in HASTELLOY, gaskets in Viton®.

Impeller in ECTFE, suction tube connection in ECTFE.

Cable supplied without plug.



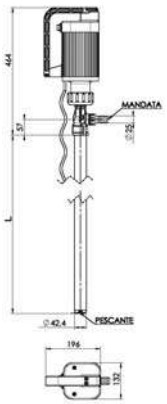
Art.no.	Power	Voltage	Delivery	Outlet connection	Operating temperature range	Length suction tube (L)	Diameter suction tube	Weight
1096	800 W	230 VAC	90 l/min	PTG 25 mm	+3° / +95° C	900 mm	40 mm	5.4 kg
1096/120						1200 mm		5.7 kg



Body and suction tube in stainless steel AISI 316, shaft in stainless steel AISI 316, gaskets in Viton®.

Impeller in ECTFE, suction tube connection in ECTFE.

Cable supplied without plug.



Art.no.	Power	Voltage	Delivery	Outlet connection	Operating temperature range	Length suction tube (L)	Diameter suction tube	Weight
1097	800 W	230 VAC	90 l/min	PTG 25 mm	+3° / +95° C	900 mm	42.4 mm	8.1 kg
1097/120						1200 mm		9.1 kg

Sprayers with container in painted steel for the spraying of detergents and low viscosity lubricating oils. The units can be used autonomously after a pressurization of the container with compressed air at 3 – 7 bar pressure. The delivery depends on the used nozzle. All units are equipped with a security valve calibrated at max. 7 bar. It is recommended to pressurize the container again when 4/5 of the total capacity have been dispensed.



Art.no. **3316**

Portable pressure sprayer in painted steel, with container of 16 l capacity, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3316	7 bar	16 l	1/4" BSP (M)	8.5 Kg	400x310x700



Art.no. **3325**

Mobile pressure sprayer in painted steel, with container of 24 l capacity and two wheels, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3325	7 bar	24 l	1/4" BSP (M)	11 Kg	370x340x820



Art.no. **3350**

Mobile pressure sprayer in painted steel, with container of 40 l capacity and two wheels, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3350	5 bar	40 l	1/4" BSP (M)	15 Kg	400x430x1020

Sprayers with container in stainless steel for the spraying of detergents. The units can be used autonomously after a pressurization of the container with compressed air at 3 – 7 bar pressure. The delivery depends on the used nozzle. All units are equipped with a security valve calibrated at max. 7 bar. It is recommended to pressurize the container again when 4/5 of the total capacity have been dispensed.



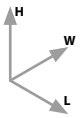
Art.no. **3318**

Portable pressure sprayer in stainless steel **AISI 304,** with container of 16 l capacity, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.

Art.no. **3318/316**

Portable pressure sprayer in stainless steel **AISI 316,** with container of 16 l capacity, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3318	7 bar	16 l	1/4" BSP (M)	11 Kg	370x340x820
3318/316					





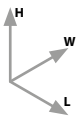
Art.no. **3324**

Mobile pressure sprayer in stainless steel **AISI 304**, with container of 24 l capacity and two wheels, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.

Art.no. **3324/316**

Mobile pressure sprayer in stainless steel **AISI 316,** with container of 24 l capacity and two wheels, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3324	7 bar	24 l	1/4" BSP (M)	11 Kg	370x340x820
3324/316					





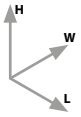
Art.no. **3340**

Mobile pressure sprayer in stainless steel **AISI 304,** with container of 40 l capacity and two wheels, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.

Art.no. **3340/316**

Mobile pressure sprayer in stainless steel **AISI 316,** with container of 40 l capacity and two wheels, equipped with level gauge, antisplash funnel, 7.5 m – spiral hose, spray gun and lance with nozzle.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3340	5 bar	40 l	1/4" BSP (M)	15 Kg	400x430x1020
3340/316					

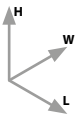




Art.no. **3323**

Portable pressure sprayer and foamer in stainless steel AISI 304, with container of 24 l capacity, equipped with level gauge, antisplash funnel, 5 m – polyurethane hose, diameter 8 x 12 mm, spray gun and lance with nozzle.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3323	7 bar	24 l	1/4" BSP (M)	11 Kg	400x310x700



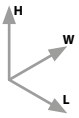


Art.no. **3345**

Portable pressure sprayer and foamer in stainless steel AISI 304, with container of 40 l capacity, equipped with level gauge, antisplash funnel, 5 m – polyurethane hose, diameter 8 x 12 mm, spray gun and lance with nozzle.

On demand also available in stainless steel AISI 316.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3345	5 bar	40 l	1/4" BSP (M)	16 Kg	400x430x1020





Art.no. **3352**

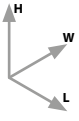
Mobile pressure sprayer in stainless steel AISI 304, with container of 24 l capacity and two wheels, equipped with level gauge, 7.5 m – spiral hose, spray gun, lance with nozzle and with detachable wide cover that enables the user to check and to clean easily the internal surface of the container.



Art.no. **3354**

Same as art. no. 3352, but with 40 l – container.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3352	7 bar	24 l	1/4" BSP (M)	12 kg	450x450x900
3354	5 bar	40 l		16 kg	450x450x1050



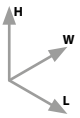


Art.no. **3320**

Mobile pressure sprayer, composed of two wheels trolley with transportation base for plastic cans, pneumatic 1:1 – stainless steel piston pump, suction hose, 7.5 m – spiral hose, diameter 8 x 12 mm, rack for hose storage during transportation, spray gun and lance with nozzle.



Art. no.	Compressed - air supply	Compression ratio	Outlet pressure	Connection threads	Weight	Dimensions (LxWxH) (mm)
3320	2 - 8 bar	1:1	2 – 8 bar	1/4" BSP (M)	19 kg	430x440x900





Art.no. **3385**

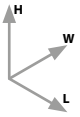
FOAMER SPRAYER HYDRA

Foamer and sprayer unit HYDRA, wall-mounting version, designed for the mixture of water with detergents and for the generation of foam at low pressure.

These systems are an alternative to the classical pressure sprayers and offer the following advantages:
- Suction of the detergent directly from the can with the pure fluid guarantees a high autonomy in work;
- The included switchboard allows an accurate adjustment of the mixing proportion between detergent and water.

The unit is composed of a pneumatic 3:1 – stainless steel piston pump, spraying gun, spray lance with nozzle, 10 m – polyurethane hose, diameter 8 x 12 mm, with connections in stainless steel, cabinet in stainless steel AISI 304 and wall-mounting bracket.

Art. no.	Compressed - air supply	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3385	2-5 bar	6-15 bar	19.5 Kg	400x160x600



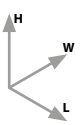


Art.no. **3335**

Portable pressure sprayer, with 230 VAC - electric pump in stainless steel including adjustable pressure switch, suction hose including non-return valve for the direct suction from the plastic can with the fluid and 5 m – spiral hose, spray gun and lance with nozzle. The sprayer guarantees a high operational autonomy.

Optionally it is also possible to combine this pressure sprayer with a hose reel of series EASY ROLLER (art.no. 9400+3615 or also 9401+36620) in order to extend the spraying area up to a distance of 20 m.

Art. no.	Voltage	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3335	230 VAC – 50 Hz	4-6 bar	12 Kg	300x170x500





Art.no. **3326**
Art.no. **3326M**
Art.no. **3326L**
Spray gun with lance, suitable for the use with pressure sprayers, with tube in stainless steel and plastic, fan-shaped nozzle.

Art.no. **3329**
Spray gun with twin lance, suitable for the dispensing of two different fluids, with tube and internal components in stainless steel, plastic, fan-shaped nozzle and cone in stainless steel.

Art. no.	Max working pressure	Max flow	Max working temperature	Connection threads	Lance length	Weight
3326	15 bar	30 l/min	50°C	1/2" BSP (F)	600 mm	0.31 kg
3326M					750 mm	0.35 kg
3326L					900 mm	0.39 kg
3329	10 bar			1/8" BSP (F)	630 mm	0.35 kg



Art.no. **7553** Art.no. **7550**

Art.no. **7550**
Rilsan® spiral hose, diameter 8 x 6 mm, length 7.5 m, connection threads 1/4" BSP (MM).

Art.no. **7553**
Rilsan® twin spiral hose, diameter 8 x 5 mm, length 10 m, connection threads 1/8" BSP (MM).
Suitable for the connection to spray gun with twin lance (art. no. 3329).



Art.no. **6871**



Art.no. **6872**



Art.no. **6873**



Art.no. **6875**



Art.no. **6874**



Art.no. **6876**



Art.no. **6877**

Art.no. **6871**
Plastic fan-shaped nozzle, suitable for the use with pressure sprayers, ø 1.1 mm, with 110° flat-fan pattern, including strainer in stainless steel and plastic impact protection.

Art.no. **6872**
Stainless steel foam nozzle, delivery 16 l/min, connection 1/2" BSP (M), max. pressure 25 bar.

Art.no. **6873**
Stainless steel foam nozzle, delivery 10 l/min, connection 1/2" BSP (M), max. pressure 25 bar.

Art.no. **6874**
Plastic (PPS and GF) foam nozzle, delivery 17 l/min (at 3 bar), with 55° flat-fan pattern.

Art.no. **6875**
Plastic fan-shaped nozzle, suitable for the use with pressure sprayers, ø 1.1 mm, with 110° flat-fan pattern, max. pressure 15 bar.

Art.no. **6876**
Stainless steel fan-shaped nozzle, suitable for the use with pressure sprayers, ø 1.1 mm, with 110° flat-fan pattern, max. pressure 25 bar.

Art.no. **6877**
Super foam head nozzle (PP and GF), with flat-fan pattern, max. pressure 15 bar, connection 1/2" BSP (M).



Art.no. **7705**

Detergent for parts cleaners, in 20 l – plastic can.
To be used undilutedly, for a cleaning by degreasing in an immersion bath, by sprinkling in the basin or by brushing with the fluid-permeable cleaning brush. Rinsing not required. The detergent has good degreasing properties, a medium evaporation rate, it does not damage the treated parts, it assures a drying without residues, has a low odor and irritation degree and a high flash point. Mineral greases, oils and protecting waxes are removed efficiently from painted surfaces, ferrous metals, aluminium and brass alloys, steel, glass, ceramics and plastic materials.

APPEARANCE AND COLOUR:	clear, colourless liquid;
PH – VALUE:	not applicable (organic solvent);
CONTENT OF PETROLS:	<0.1 % weight ppm;
SPECIFIC WEIGHT:	0.800 +/- 0.01 g/ml;
CARBON CONTENT:	not applicable;
SOLUBILITY IN WATER:	insoluble;
FLASH POINT:	>60°C;
BOILING POINT:	185°C / 240°C (distillation range).



Art.no. **6801**
Art.no. **6802**
Art.no. **6805**

Heavy duty water gun, suitable for the use with cold and hot water at low pressure, with trigger guard, and adjustable spraying nozzle. Body in brass and coating in blue rubber.

Art. no.	Max working pressure	Max flow	Max working temperature	Connection threads	Weight
6801	25 bar	60 l/min	90°C	1/2" BSP (F)	0.94 kg
6802	12 bar	50 l/min	80°C		0.44 kg
6805	25 bar	60 l/min	90°C		2.02 kg



Art.no. **2101**
Low pressure water gun handle, body in plastic (PP and GF), gaskets in Viton®, valve and spring in stainless steel AISI 316, connection threads 1/2" BSP (F).

Art.no. **2166**
Dispensing gun for windshield washer fluid, body in plastic (PP and GF), gaskets in Viton®, valve and spring in stainless steel AISI 316, connection threads 1/2" BSP (F).

Art.no. **2109**
Dispensing gun for water at low pressure (max 30 bar), body in brass with coating in oil-resistant rubber, connection threads 3/8" BSP (F).

Art.no. **6878**
Water gun art. no. 2101, with rigid outlet and foaming nozzle in plastic (PP and GF), suitable for low pressure applications (3 – 6 bar), connection threads 1/2" BSP (F).

Art.no. **7406**
Low pressure wash gun (max 20 bar), with regulating screw, body in nickel-plated aluminium, connection threads 1/2" BSP (F).



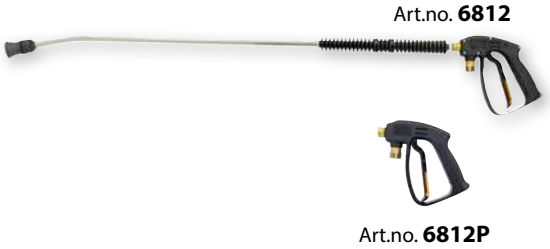
Art.no. **2183**
Dispensing gun, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, Viton® gaskets, connections 1/2" BSP (F), with 1/2" BSP (M) inlet swivel in stainless steel and rigid plastic outlet, Ø 16 mm.



Art.no. **6882**
Art.no. **6883**
Art.no. **6884**
Art.no. **6885**

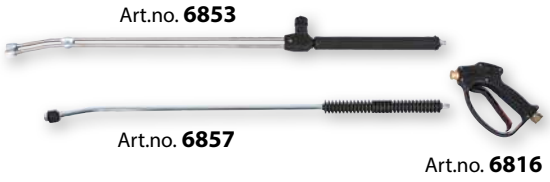
Valved quick couplings and quick connectors for the use with water at high pressure.

Art. no.	Max working pressure	Max flow	Max working temperature	Connection threads	Weight
6882	280 bar	30 l/min	90°C	3/8" BSP (M)	0.05 kg
6883				3/8" BSP (F)	0.11 kg
6884				1/2" BSP (M)	0.05 kg
6885				1/2" BSP (F)	0.11 kg



Art.no. **6812**
Wash gun with lance for hot water high pressure cleaners, with extension and stainless steel nozzle.

Art.no. **6812P**
Wash gun for hot water high pressure cleaners (without lance).



Art.no. **6853**
High pressure wash lance in stainless steel, with twin tube (without wash gun), suitable for use in combination with wash guns art.nos. 6816 and 6817.

Art.no. **6857**
High pressure wash lance in stainless steel (without wash gun), suitable for use in combination with wash guns art.nos. 6816 and 6817.

Art.no. **6816- 6817**
Wash gun for hot water high pressure cleaners (without lance), suitable for use in combination with wash lances art.nos. 6853 – 6857 – 6818 and 6819.

Art.no. **6818**
High pressure wash lance in stainless steel (without wash gun), suitable for use in combination with wash guns art.nos. 6816 and 6817.

Art.no. **6819**
High pressure wash lance in stainless steel, with twin tube (without wash gun), suitable for use in combination with wash guns art.nos. 6816 and 6817.



Art. no.	Max working pressure	Max flow	Max. working temperature	Nozzle	Connection threads	Length extension	Weight
6812	160 bar	30 l/min	100°C	Ø 0,45 – 25°	3/8" BSP (M)	700 mm	0.92 kg
6812P	175 bar			-		-	0.50 kg
6853	280 bar	40 l/min	160°C	Ø 0,45 – 25°	1/4" BSP (M)	1050 mm	1.06 kg
6857						900 mm	0.60 kg
6818						700 mm	
6819	220 bar	30 l/min					0.95 kg
6817				-		-	0.55 kg

Kit **6820**
Foaming kit, composed of high pressure cleaner wash gun, high pressure wash lance with extension (art. no. 6822) and foam lance with 1 l - plastic container (art. no. 6823).

Art.no. **6821**
Wash gun for hot water high pressure cleaners with quick coupling.



Art.no. **6822**
High pressure wash lance in stainless steel with extension, length 700 mm, and stainless steel nozzle (0.45 – 25°).

Art.no. **6823**
Foam lance with 1 l - plastic container for detergent and foam delivery regulating screw.

Art. no.	Max working pressure	Max flow	Max. working temperature	Connection threads	Weight
6821	310 bar	40 l/min	160°C	M 22 x 1.5	0.90 kg
6822	250 bar			Quick coupling	0.60 kg
6823	160 bar	20 l/min	60°C		0.57 kg

Art.no. **6800**
Wash gun for high pressure cleaners, with nozzle for straight water jet.



Art.no. **6830**
Art.no. **6840**
Wash gun with lance for high pressure cleaners, water jet adjustable through knob, with brass nozzle.

Art. no.	Max working pressure	Max flow	Max. working temperature	Nozzle	Connection threads	Weight
6830	250 bar - 3625 psi	30 l/min	100°C	Ø 1.5 – 25°	1/2" BSP (M)	1.60 kg
6800	60 bar - 850 psi		60°C			1.50 kg
6840	50 bar - 700 psi					



Art.no. **5903**

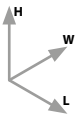
Mobile parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of storage container with 65 l capacity with two wheels and two castors, cleaning basin with closable and removable cover, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet. The system enables a continuous fluid circulation by pressurizing the container with compressed air at max. 0.5 bar.

Note: please use only suitable detergents and degreasing agents for the parts cleaning.



Art.no. **7705**
Detergent for parts cleaners, in 20 l – plastic can
(see page 197).

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Capacity container	Weight	Dimensions (LxWxH) (mm)
5903	0.5 bar	0.5 bar	60 l	65 l	42 Kg	560x700x1000



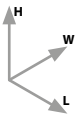


Art.no. **5908**

Mobile parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with closable and removable cover, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet and shelf for the placing of plastic cans or drums, with 4 castors.
The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 1058).

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5908	1 - 4 bar	4 bar	60 l	36 Kg	560x700x810



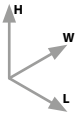


Art.no. **5953**

Mobile parts cleaner, with closed circuit of detergent fluid, consisting of cleaning basin in stainless steel AISI 304 with closable and removable cover, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet and shelf for the placing of plastic cans or drums, with 4 castors. The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 1058).

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5953	1 - 4 bar	4 bar	60 l	36 Kg	560x700x810



Art.no. **5904**

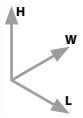


Stationary parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with 4 legs and closable and removable cover, hose with shower head, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts. The system enables a continuous fluid circulation at 0.5 bar pressure by the use of an electric immersion pump.

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

	Voltage	Power	Current drain	Rpm	Protection category
Pump	230 VAC	60 W	0.4 A	2800	IP 54

Art. no.	Max pressure	Total capacity cleaning basin	Usable capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5904	0.5 bar	138 l	62 l	53 Kg	500x700x1120



Art.no. **5905**

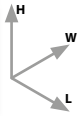


Stationary parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with 4 legs and closable and removable cover, hose with shower head, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts, wooden footboard. The system enables a continuous fluid circulation at 0.5 bar pressure by the use of an electric immersion pump. The switch-on and switch-off of the pump is made through a pedal-operated switch.

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

	Voltage	Power	Current drain	Rpm	Protection category
Pump	230 VAC	60 W	0.4 A	2800	IP 54

Art. no.	Max pressure	Total capacity cleaning basin	Usable capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5905	0.5 bar	200 l	90 l	67 Kg	500x1000x1120



Art.no. **5906**

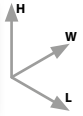


Stationary parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with 4 legs and closable and removable cover, hose with shower head, cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts. The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 1058).



Note: please use only suitable detergents and degreasing agents for the parts cleaning.

Art. no.	Compressed air supply	Max pressure	Total capacity cleaning basin	Usable capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5906	1 - 4 bar	4 bar	200 l	90 l	67 Kg	500x1000x1120





Art.no. **5945**

Stationary parts cleaner in painted steel, provided for mounting on 208 l – original detergent drums.

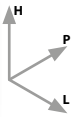
The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 1058).

With fluid-permeable cleaning brush which permits a continuous flow of the detergent and an accurate cleaning of parts.

Optional:

Art.no. **4699**
Empty, metal 208 l – drum.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5945	1 – 4 bar	4 bar	50 l	36 kg	560x1000x300





Art.no. **5946**

Stationary parts cleaner in painted steel, provided for mounting on 208 l – original detergent drums.

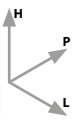
The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 1058).

With closable and removable cover, blow gun with rigid outlet and cleaning fluid flowing through the rough brush which permits a continuous flow of the detergent and an accurate cleaning of parts.

Optional:

Art.no. **4699**
Empty, metal 208 l – drum.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5946	1 – 4 bar	4 bar	50 l	36 kg	560x700x300



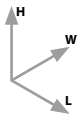


Art.no. **7740**

Wall-mounted chamois leather wringer, with wall bracket.



Art. no.	Diameter roller	Weight	Dimensions (LxWxH) (mm)
7740	40 mm	9 Kg	300x420x160



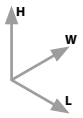


Art.no. **7741**

Wall-mounted chamois leather wringer, with wall bracket and tub with discharge valve in painted steel.



Art. no.	Diameter roller	Weight	Dimensions (LxWxH) (mm)
7741	40 mm	13.5 Kg	300x420x350

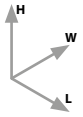




Art.no. **7742**

Chamois leather wringer with self-supporting column for the fixation on the floor and tub with discharge valve in painted steel.

Art. no.	Diameter roller	Weight	Dimensions (LxWxH) (mm)
7742	40 mm	22 Kg	300x420x1020

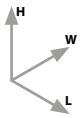




Art.no. **7743**

Chamois leather wringer with self-supporting column for the fixation on the floor and tub with discharge valve in stainless steel.

Art. no.	Diameter roller	Weight	Dimensions (LxWxH) (mm)
7743	40 mm	22 Kg	300x420x1020



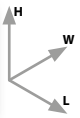


Art.no. **3521**

Portable, pneumatic tyre inflator with container of 16 l capacity, charging of compressed air manually, consisting of tyre inflating gun with pressure gauge (art. no. 7301) and 5 m – spiral hose.
The unit works autonomously once it has been pressurized with compressed air at max 7 bar pressure.



Art. no.	Weight	Dimensions (LxWxH) (mm)
3521	10 Kg	300x400x810

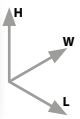




Art.no. **3524**

Mobile, pneumatic tyre inflator with container of 24 l capacity, charging of compressed air manually, consisting of tyre inflating gun with pressure gauge (art. no. 7301) and 5 m – spiral hose.
The unit works autonomously once it has been pressurized with compressed air at max 7 bar pressure.

Art. no.	Weight	Dimensions (LxWxH) (mm)
3524	12.5 Kg	380x330x780





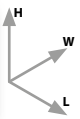
Art.no. **3526**

Portable, pneumatic tyre inflator with container of 16 l capacity, charging of compressed air manually or automatically by the use of a MF valve installed on the handle, consisting of tyre inflating gun with pressure gauge (art. no. 7301) and 5 m – spiral hose.

The unit works autonomously once it has been pressurized with compressed air at max 7 bar pressure.



Art. no.	Weight	Dimensions (LxWxH) (mm)
3526	10 Kg	300x400x810



Art.no. **7301**



Art.no. **7304**

Art.no. **7301**

Tyre inflating gun with pressure gauge ø 60 mm, dual pressure scale (0 – 10 bar / 0 – 140 psi), pressure release button, clip-on connector, 300 mm – rubber hose, connection 1/4" BSP (M).

Art.no. **7304**

Tyre inflating gun, Michelin type, with pressure gauge ø 80 mm in accordance with directive 86/217/EC and UNI EN 12645:2104, dual pressure scale (0 – 10 bar / 0 – 140 psi), pressure release button, clip-on connector, 1500 mm – rubber hose, connection 1/4" BSP (M).



Art.no. **7305**

Art.no. **7308**

Art.no. **7305**

Tyre inflating gun with precision pressure gauge ø 80 mm, dual pressure scale (0 – 12 bar / 0 – 140 psi), air inlet safety system, clip-on connector, 500 mm – rubber hose, connection quick coupling 1/4".

Art.no. **7308**

Tyre inflating gun, with digital pressure gauge, measuring units: bar – psi – kpa – kg/cm², dual pressure scale (0.2 – 12 bar / 0 – 140 psi), resolution +/- 0.02 bar, clip-on connector, 400 mm – rubber hose, connection quick coupling 1/4".
Power supply: lithium batteries 3 V (1.5 V x 2).



Art.no. **7306**

Art.no. **7307**

Art.no. **7306**

Air blow gun, body in nickel-plated aluminium, with bayonet nut connector 1/4" BSP.

Art.no. **7307**

Air blow gun with long rigid outlet, body in nickel-plated aluminium, with bayonet nut connector 1/4" BSP.



Art.no. **7330**

Art.no. **7331**

Art.no. **7330**

Air blow gun, series Airset, ergonomic grip, body in technopolymer, nozzle in brass, outlet and internal springs in stainless steel, coating of the trigger in soft thermoplastic rubber to allow an accurate control of the air flow. Connection 1/4" BSP (F).

Art.no. **7331**

Same as art. no. 7330, but with silencer to reduce the noise level.

Flexbimec provides a complete line of compressed air pipework components and accessories for the installation of a professional air pipework, adapted to the individual requirements of the customer. The pipes are made of electrostatic painted, extruded aluminium. They are calibrated and burred, and they are available in wall thicknesses of 1.5 mm and 2 mm for a max. pressure of 15 bar. All fittings are made of nickel-plated brass and are easy to install and to connect.








Art.no. **9873**
Art.no. **9874**
Art.no. **9875**

Calibrated pipes in extruded aluminium, in accordance with UNI 9006/1 and EN AW 6060 T6, suitable for the use with compressed air, water, inert gas or vacuum, with surface treatment in electrostatic painting in blue colour. Expansion coefficient: 0.024 mm/m°C).

Art.no. **9873** Diameter 20 mm, length 4 m.
Art.no. **9874** Diameter 25 mm, length 4 m.
Art.no. **9875** Diameter 32 mm, length 4 m.

On demand pipes with diameters up to 80 mm are available.



Art.no. **9880**



Art.no. **9881**

Series	Description	Ø 20 mm x 1/2" M	Ø 25 mm x 3/4" M	Ø 32 mm x 1" M
9880	Straight male adapter	Art.no. **9880/20**	Art.no. **9880/25**	Art.no. **9880/32**

Series	Description	Ø 20 mm x 1/2" F	Ø 25 mm x 3/4" F	Ø 32 mm x 1" F
9881	Straight female adapter	Art.no. **9881/20**	Art.no. **9881/25**	Art.no. **9881/32**



Art.no. **9882**



Art.no. **9883**

Series	Description	Ø 20 x 20 mm	Ø 25 x 25 mm	Ø 32 x 32 mm
9882	Intermediate straight connector	Art.no. **9882/20**	Art.no. **9882/25**	Art.no. **9882/32**

Series	Description	Ø 20 x 20 mm	Ø 25 x 25 mm	Ø 32 x 32 mm
9883	Intermediate elbow connector 90°	Art.no. **9883/20**	Art.no. **9883/25**	Art.no. **9883/32**



Art.no. **9879**



Art.no. **9890**

Series	Description	Ø 20 x 1/2" F	Ø 25 x 3/4" F	Ø 32 x 1" F
9879	Intermediate elbow connector 135°	Art.no. **9879/20**	Art.no. **9879/25**	Art.no. **9879/32**

Series	Description	Ø 20 x 1/2" F	Ø 25 x 3/4" F	Ø 32 x 1" F
9890	Elbow connector 90° for pipe/hose connection	Art.no. **9890/20**	Art.no. **9890/25**	Art.no. **9890/32**



Art.no. **9884**



Art.no. **9885**

Series	Description	Ø 20 x 20 mm	Ø 25 x 25 mm	Ø 32 x 32 mm
9884	Intermediate tee connector	Art.no. **9884/20**	Art.no. **9884/25**	Art.no. **9884/32**

Series	Description	Ø 20 mm x 1/2" F	Ø 25 mm x 3/4" F	Ø 32 mm x 1" F
9885	Elbow connector 90° with wall bracket	Art.no. **9885/20**	Art.no. **9885/25**	Art.no. **9885/32**



Art.no. **9886**



Art.no. **9887**

Series	Description	Ø 20 mm x 1/2" F	Ø 25 mm x 1/2" F
9886	2-ways manifold with wall bracket	Art.no. **9886/20**	Art.no. **9886/25**

Series	Description	1/2" F	3/4" F
9887	4-ways manifold with wall bracket	Art.no. **9887/20**	Art.no. **9887/25**



Art.no. **9889**



Art.no. **9888**

Series	Description	Ø 20 x 20 mm	Ø 25 x 25 mm	Ø 32 x 32 mm
9889	Intermediate ball valve	Art.no. **9889/20**	Art.no. **9889/25**	Art.no. **9889/32**

Series	Description	Ø 20 mm x 1/2" M	Ø 25 mm x 3/4" M
9888	Ball valve for pipe/hose connection	Art.no. **9888/20**	Art.no. **9888/25**



Art.no. **9877**



Art.no. **9878**

Series	Description	Ø 20 mm	Ø 25 mm	Ø 32 mm
9877	Pipe clamp in steel M8	Art.no. **9877/20**	Art.no. **9877/25**	Art.no. **9877/32**

Series	Description	Ø 20 mm	Ø 25 mm	Ø 32 mm
9878	Pipe clamp in polymer M6	Art.no. **9878/20**	Art.no. **9878/25**	Art.no. **9878/32**

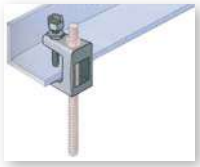


Art.no. **9876**



Art.no. **9871**

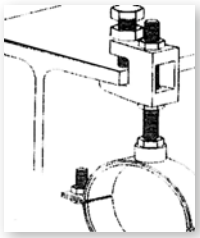
Art.no. **9871**
Metal wall support (height 165 mm, length 225 mm).



Art.no. **9876**
Beam clip with M8 – thread, suitable for the use with pipe clamps art. no. 9877.









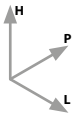
Art. no. **9400+3610** - Art. no. **9400+3615**
Art. no. **9401+3620**
Art. no. **9408**

Automatic rewind, spring-driven hose reel, with plastic enclosure (made of nylon and polypropylene) and pivoting wall bracket, suitable for the use with compressed air and water at low pressure (temperature range: -10°C – +60°C) complete with polyurethane hose.

Inlet connection air: 1/4" BSP.
Max working pressure: 20 bar.

The **standard colour** of the enclosure is red with yellow cover. Also available in blue with red cover, in dark grey, in yellow with red cover or white with wite cover (see photos above).

Art. no.	Hose length	Hose diameter	Connection threads	Max working pressure	Weight	Dimensions (LxWxH) (mm)
9400+3610	10 m	8 x 12 mm	M 1/4" BSP	20 bar	8.1 Kg	220x310x380
9400+3615	15 m				8.2 Kg	
9401+3620	20 m				8.4 Kg	
9408	10 m	10 x 14 mm	M 3/8" BSP		8.2 Kg	





Art.no. **7692**
Complete quick release fitting.
Connections 1/4" BSP (M+F).
(Art. no. 7692/M with connection 1/4" BSP (M) and art. no. 7692/F with connection 1/4" BSP (F)).

Art.no. **9405**

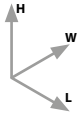


Automatic rewind, spring-driven hose reel, series "Easy Roller", with shaft and swivel in stainless steel AISI 303, pivoting wall bracket and 10 m – rubber hose 1/4" SAE 100 R1T.

Suitable for applications with a pressure up to 100 bar.

Standard colour blue, on demand also available in red.

Art. no.	Hose length	Hose diameter	Connection threads IN	Connection threads OUT	Max working pressure	Weight	Dimensions (LxWxH) (mm)
9405	10 m	1/4"	1/2" BSP (M)	1/4" BSP (F)	100 bar	10 kg	220x310x380



Art.no. **9409**

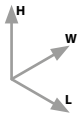


Automatic rewind, spring-driven hose reel, series "Easy Roller", with shaft and swivel in stainless steel AISI 303, pivoting wall bracket and 5 m - low pressure synthetic rubber hose 1/2" (ø int. 13 mm x ø ext. 23 mm), suitable for the use with water (-30°C - +110°C).

The hose meets FDA food industry standards and thus is suitable for food industry applications.

Standard colour blue, on demand also available in red.

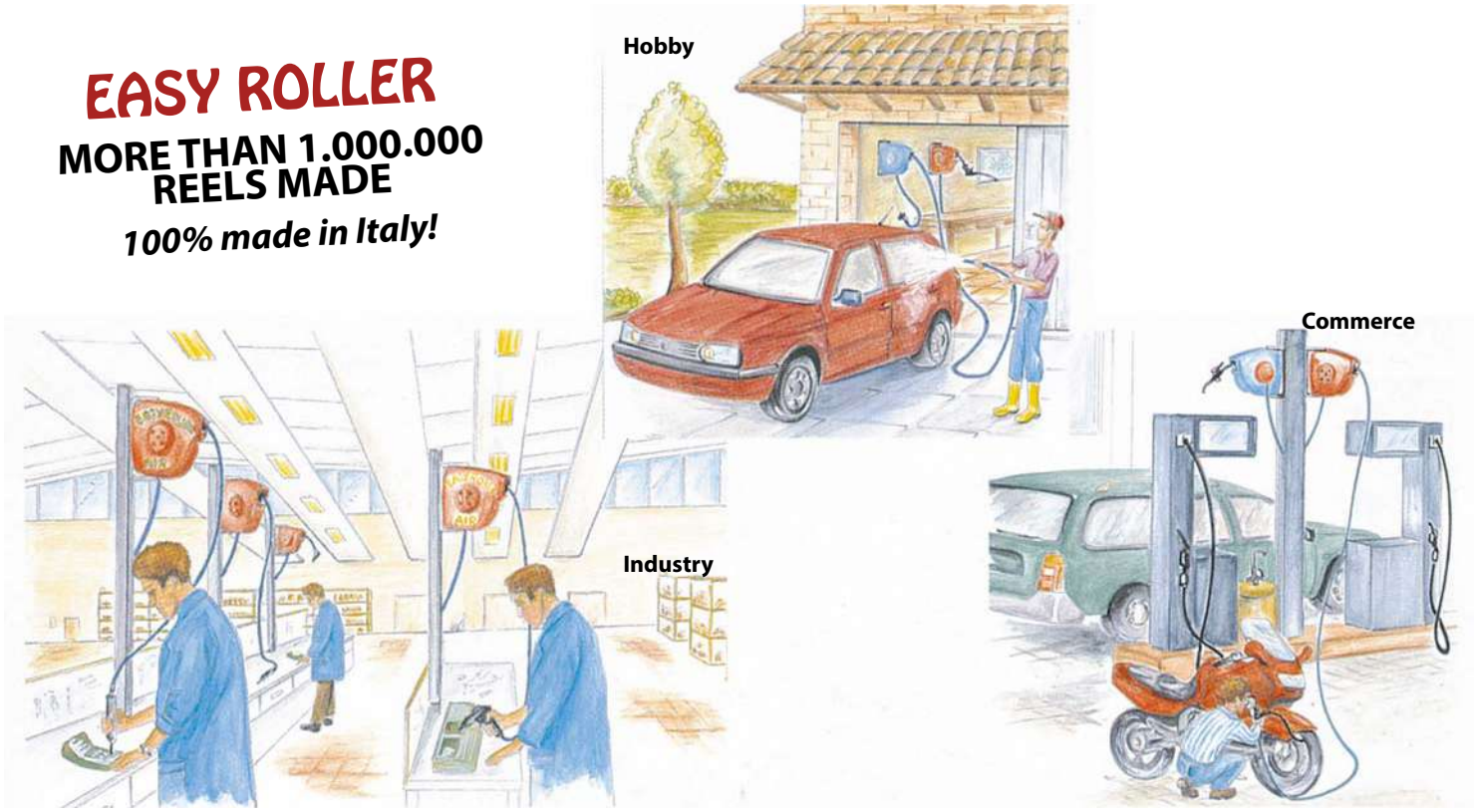
Art. no.	Hose length	Hose diameter	Connection threads IN	Connection threads OUT	Max working pressure	Weight	Dimensions (LxWxH) (mm)
9409	5 m	1/2"	1/2" BSP (M)	1/2" BSP (F)	15 bar	9 kg	220x310x380



EASY ROLLER

MORE THAN 1.000.000 REELS MADE

100% made in Italy!





Art.no. **7200**

Compressed air pressure regulator with manometer, air nipple 1/4" BSP (M) for hose connection and connection adapter 1/4"BSP (M – M) for the installation at the compressed air inlet of the pump.

Regulation range: 0 – 8 bar.



Art.no. **7180**



Art.no. **7180/38**



Art.no. **7180/12**

Art.no. **7180**
Art.no. **7180/38**
Art.no. **7180/12**

Combined compressed air pressure regulator with manometer and air filter with automatic bleeding, with lockable regulating screw, air nipple for hose connection and connection adapter for the installation at the compressed air inlet of the pump.

Art. no.	7180	7180/38	7180/12
Connection threads	1/4" BSP (M)	3/8" BSP (M)	1/2" BSP (M)
Filtration degree (microns)	20	20	20
Regulation range	0 - 8 bar	0 - 8 bar	0 - 8 bar
Max air flow (l/min.)	850	1650	2310
Collection capacity condensate (cm^3)	22	55	100
Temperature range (°C)	5 - 50	5 - 50	5 - 50
Dimensions (LxWxH) (mm)	42x42x198	75x63x276	75x63x276



Art.no. **7151**



Art.no. **7151/38**



Art.no. **7151/12**

Art.no. **7151**
Art.no. **7151/38**
Art.no. **7151/12**

Air line lubricator, providing a proportional oil mist, enables a precise regulation of the lubricating oil even at low pressure. With adjustment screw and connection adapter for the installation at the compressed air inlet of the pump.

Art. no.	7151	7151/38	7151/12
Connection threads	1/4" BSP (M)	3/8" BSP (M)	1/2" BSP (M)
Max working pressure	8 bar	8 bar	8 bar
Max air flow (l/min.)	850	1650	2310
Capacity lubricator (cm^3)	42	76	132
Temperature range (°C)	5 - 50	5 - 50	5 - 50
Dimensions (LxWxH) (mm)	42x42x157	75x63x232	75x63x232



Art.no. **7150**



Art.no. **7150/38**



Art.no. **7150/12**

Art.no. **7150**
Art.no. **7150/38**
Art.no. **7150/12**

Combined compressed air treatment kit, composed of pressure regulator with manometer, air filter with automatic bleeding, air line oil mist lubricator, lockable regulating screw, air nipple for hose connection and connection adapter for the installation at the compressed air inlet of the pump.

See technical data in the description of its components (art. nos. 7180 – 7180/38 – 7180/12 and art. nos. 7151 – 7151/38 – 7151/12).

Flexbimec manufactures a wide range of hose reels that guarantee a comfortable hose rewinding in all possible application fields and fluids such as:

- **Lubricating oils and antifreeze**
- **Grease**
- **Compressed air**
- **Water at low or high pressure**
- **Fuels**
- **AdBlue®/DEF/AUS32**





The use of hose reels provides more security in the workshop and increases the life of hoses since those are no longer rest upon the floor after use where they could be damaged.

In order to satisfy all application requirements the hose reels are available in three main materials:

- **Epoxy powder-coat painted carbon steel**
- **Stainless steel AISI 304**
- **Stainless steel AISI 316**





The hose rewinding can be carried out:

- **automatically by the use of a spring,**
- **manually by the use of a hand crank,**
- **by the use of a hydraulic motor,**
- **by the use of an electric motor.**





In order to be able to offer a suitable solution to any requirement existing in the market, various hose reel series have been developed.















The Flexbimec hose reel range consists of a big variety of versions that have been developed in order to meet the requirements of installation at the place of use. They can be classified according to their constructional characteristics, their form, their dimensions and materials into the following series:



STANDARD SERIES
The most common, most economic and extremely approved version, suitable for hose diameters up to 1/2".





ENCLOSED SERIES
Two metal enclosures provide an optimal protection of the hose and improve the esthetic effect of the installation.





ADJUSTABLE ARMS SERIES
In this version the outlet direction of the hose can be adjusted into various positions. Thus it permits a mounting of the hose reel also on the ceiling. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted.





DOUBLE/TRIPLE SPRING ADJUSTABLE ARMS SERIES
The double/triple spring system allows the rewinding of long distances of hose.





HEAVY DUTY SERIES
The models of this series are suitable for applications under high mechanical demands.





MANUAL SERIES
Hose reels with unwinding and rewinding of the hoses by means of a hand crank.

SPECIAL HOSE REELS
In this category can be found hose reels with special technical and/or constructive characteristics, such as those with electro-mechanical or hydraulic rewinding systems and hose reels with a hose guide system enabling a better rewinding.





TWIN-HOSE SERIES
With double inlet-outlet for when it is necessary to keep two fluids separate (e.g. oxygen-acetylene).



All hose reels can be supplied without or with the requested hoses already mounted.
For an easier selection of the required hose reel model, please see the chart on catalogue page 214-216-217. Catalogue pages 268-269 shall help you in choosing the suitable hose type and length.

The hose reel models which are marked with the ATEX symbol are available with the corresponding ATEX certificate, in accordance with directive ATEX 2014/34/EU– group II – category 2.

NOVATG® is the new hose guide system for the correct hose rewinding on the hose reel drum.





ANDROMEDA
The new range of ANDROMEDA hose reels combines the functionality of the classic FLEXBIMEC spring-driven hose reels with a new design and new possibilities of use.





ORION RD
The ORION RD series has the same structural characteristics as the ANDROMEDA but differs in its MANUAL use.

ORION EASY/HEAVY DUTY
This wheeled version of manual hose reel allows use with long distance hoses.





SIRIO
The SIRIO hose reel is the new compact motorized hose reel capable of operating with various electric or electro-hydraulic motors (12/24V/230 V).





GEMINI
The GEMINI motorized hose reel allows working with hoses of large lengths and diameters thanks to the hydraulic motor powered by 12, 24 or 220 V and complete with an hydraulic control unit, housed in the base of the hose reel.





TITANO HEAVY DUTY
The TITANO series has been developed for use in the most demanding situations with hoses up to Ø 1 1/4" / Ø 1 1/2", with reinforced spring or with electro-hydraulic motorization.
Supplied as standard with a manually operated hose guide but with the possibility of having an automatic hose guide.





THIN REEL SERIES
Its innovative constructional design characterizes the models of this series which are particularly suitable in applications with limited space in width thanks to its overall width of max. 150 mm, f. ex. for the installation inside of compact cabinets.



AIR-FUMES EXTRACTION
Automatic spring-driven hose reels in painted or stainless steel suitable for air/fumes extraction.



PAINTED STEEL HOSE REELS

SERIES	Page	Hose diameter	MAX INSTALLABLE HOSE LENGTH												
			8 m	10 m	15 m	18 m	20 m	25 m	30 m	35 m	40 m	50 m	60 m	70 m	100 m
STANDARD	218	1/4"	9016	9016	9016	9021	9021	9022							
		3/8"	9016	9016	9016	9021	9021	9022							
		1/2"	9016	9016	9016	9021	9021								
ENCLOSED	219	1/4"	9013	9013	9013	9023	9023	9025							
		3/8"	9013	9013	9013	9023	9023	9025							
		1/2"	9013	9013	9013	9023	9023								
		3/4"	9024												
ADJUSTABLE ARMS	220-221-222-223	1/4"	9090	9090	9090	9091	9091	9092	9074	9083	9073	9086	9086	9088	9088
		3/8"	9090	9090	9090	9091	9091	9092	9074	9083	9073	9086	9086	9088	9088
		1/2"	9090	9090	9090	9092	9092	9093	9074	9083	9073	9086	9086	9088	9088
	224-225-226	3/4"	9095	9095	9096	9097	9084	9098	9070	9085	9085	9068			
		1"	9095	9096	9097	9098	9070	9099	9099						
	227	1 1/4"	9031	9038	9038	9038	9038								
		1 1/2"	9039	9039	9039										
HEAVY DUTY	228	3/4"	9030	9030	9034	9034	9036	9036	9036						
		1"	9030	9034	9034	9036	9036	9036							
"THINREEL"	261	1/4"	9504	9504	9504	9060	9060	9060							
		1/2"	9504	9060	9060	9060	9060	9060							
MANUAL "LS"	229	1/4"	9251	9251	9251	9251	9251	9251	9252	9252	9252	9253	9253	9253	9256
		3/8"	9251	9251	9251	9251	9251	9252	9252	9252	9253	9256	9256	9256	
		1/2"	9251	9251	9251	9252	9252	9252	9253	9253	9256				
		3/4"	9254	9254	9254	9255	9255	9255							
		1"	9254	9254	9255	9255	9255								

STAINLESS STEEL HOSE REELS AISI 304

SERIES	Page	Hose diameter	MAX INSTALLABLE HOSE LENGTH												
			8 m	10 m	15 m	18 m	20 m	25 m	30 m	35 m	40 m	50 m	60 m	70 m	100 m
STANDARD	196	1/4"	9517	9517	9517	9522	9522	9521							
		3/8"	9517	9517	9517	9522	9522	9521							
		1/2"	9517	9517	9517	9522	9522								
ENCLOSED	219	1/4"	9547	9547	9547	9548	9548	9549							
		3/8"	9547	9547	9547	9548	9548	9549							
		1/2"	9547	9547	9547	9548	9548								
		3/4"	9546												
ADJUSTABLE ARMS	220-221-222-223	1/4"	9590	9590	9590	9591	9591	9592	9574	9530	9573	9586	9586	9589	9589
		3/8"	9590	9590	9590	9591	9591	9592	9574	9530	9573	9586	9586	9589	9589
		1/2"	9590	9590	9590	9592	9592	9593	9574	9530	9573	9586	9586	9589	9589
	224-225-226	3/4"	9595	9595	9596	9584	9534	9598	9570	9585	9585	9588			
		1"	9595	9596	9584	9598	9570	9599	9599						
	227	1 1/4"	9531	9538	9538	9538	9538								
		1 1/2"	9539	9539	9539										
HEAVY DUTY	228	3/4"	9529	9529	9525	9525	9536	9536	9536						
		1"	9529	9525	9525	9536	9536	9536							
MANUAL "LSX"	230	1/4"	9351	9351	9351	9351	9351	9351	9352	9352	9352	9352	9353	9353	9356
		3/8"	9351	9351	9351	9351	9351	9352	9352	9352	9353	9353	9356	9356	
		1/2"	9351	9351	9351	9352	9352	9352	9353	9353	9356	9356			
		3/4"	9354	9354	9354	9355	9355	9355							
		1"	9354	9354	9355	9355	9355								

In the following chart can be found the article numbers and descriptions of different hose types for the mounting on the reel as supply hoses in the most common lengths:

FLUID TYPE	Internal hose diameter	Max working pressure	HOSE LENGTH									
			8 m	10 m	15 m	20 m	25 m	30 m	35 m	40 m	50 m	60 m
GREASE	1/4"	400 bar	4508	4510	4515	4520						
	3/8"	330 bar		4710	4715	4720	4725	4730	4735	4740		
	1/2"	275 bar		4810	4815	4820	4825	4830	4835	4840		
	3/4"	215 bar		48810	48815	48820	48825	48830	48835	48840		
	1"	165 bar		488510	488515	488520	488525	488530	488535	488540		
OIL	1/2"	160 bar	28708	28710	28715	28720	28725	28730	28735	28740	28750	28760
	3/4"	105 bar	28908	28910	28915	28920	28925	28930	28935	28940		
	1"	88 bar	289508	289510	289515	289520	289525	289530				
COMPRESSED AIR	3/8"	20 bar		3810	3815	3820	3825	3830	3835	3840	3850	3860
	1/2"	20 bar		27710	27715	27720	27725	27730	27735	27740	27750	27760
	3/4"	20 bar		39910	39915	39920	39925	39930	39935	39940	39950	39960
	1"	20 bar		399510	399515	399520	399525	399530	399535	399540	399550	399560
WATER	3/8"	20 bar		3810	3815	3820	3825	3830	3835	3840	3850	3860
	1/2"	15 bar		18710	18715	18720	18725	18730	18735	18740	18750	18760
	3/4"	15 bar		18910	18915	18920	18925	18930	18935	18940		
DIESEL	3/8"	330 bar		4710	4715	4720	4725	4730	4735	4740		
	3/8"	400 bar		4710AM	4715AM	4720AM	4725AM	4730AM	4735AM	4740AM		
	3/4"	17 bar	28808	28810	28815	28820	28825	28830	28835	28840		
	1"	17 bar	289608	289610	289615	289620	289625	289630				
	1 1/4"	10 bar	289708	289710	289715	289720	289725	289730				
	1 1/2"	10 bar	2899708	2899710	2899715	2899720	2899725	2899730				
ADBLUE®/DEF/AUS32	1/2"	10 bar	289808	289810	289815	289820	289825	289830	289835	289840	289850	289860
	3/4"	10 bar	289908	289910	289915	289890	289925	289930	289935	289940	289950	289960
PETROL	1/2"	16 bar	286108	286110	286115	286120	286125	286130	286135	286140	286150	286160
	3/4"		286308	286310	286315	286320	286325	286330				
	1"		286408	286410	269415	286420	286425	286430				

In the following chart can be found the article numbers and descriptions of different hose types used as connection hoses and mounted at the hose reel inlet swivel joint in the most common lengths:

FLUID TYPE	Internal hose diameter	Max working pressure	HOSE LENGTH				
			0.5 m	1 m	1.5 m	2 m	3 m
GREASE	1/4"	400 bar	45005	4501	45015	4502	4503
	3/8"	330 bar	47005	47001	47015	4702	4703
	1/2"	275 bar	48005	4801	48015	4802	4803
	3/4"	215 bar	488005	48810	48815	48820	48825
	1"	165 bar	4885005	488510	488515	488520	488525
OIL	1/2"	160 bar	287005	28701	287015	28702	28703
	3/4"	105 bar	289005	28901	289015	28902	28903
	1"	88 bar	2895005	289501	2895015	289502	289503
COMPRESSED AIR	3/8"	20 bar	38005	3801	38015	3802	3803
	1/2"	20 bar	270005	27701	277015	27702	27703
WATER	3/8"	20 bar	38005	3801	38015	3802	3803
	1/2"	15 bar	187005	18701	187015	18702	18703
	3/4"	15 bar	189005	18901	189015	18902	18903
	3/8"	330 bar	47005	4704	47015	4702	4703
	3/8"	400 bar	47005AM	4704AM	47015AM	4702AM	4703AM
DIESEL	3/4"	16 bar	288005	28801	288015	28802	28803
	1"	16 bar	2896005	289601	2896015	289602	289603
	1 1/4"	10 bar	289708	289710	289715	289720	289725
	1 1/2"	10 bar	2899708	2899710	2899715	2899720	2899725
ADBLUE®/ DEF/AUS32	1/2"	10 bar	2898005	289801	2898105	289802	289803
	3/4"	10 bar	2899005	289901	2899015	289902	289903
PETROL	1/2"	16 bar	2861005	286101	2861015	286102	286103
	3/4"		2863005	286301	2863015	286302	286303
	1"		2864005	286401	2864015	286402	286403



The hoses are supplied with swaged female connection threads (connecting nuts).

EXAMPLE FOR READING THE CHARTS

FLUID TYPE	Internal hose Ø	Max working pressure	HOSE LENGTH		
			0.5 m	1 m	1.5 m
GREASE	1/4"	400 bar	45005	4501	45015
	3/8"	330 bar	47005	47001	47015
	1/2"	275 bar	48005	4801	48015
	3/4"	215 bar	488005	48810	48815
	1"	165 bar	4885005	488510	488515

TOTAL LENGTH INCL. CONNECTION FITTING

FLUID

DIAMETER

MAX. WORKING PRESSURE

ART. NO. HOSE

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
ANDROMEDA	**400 - A1**	237	434	130	250	15 - 20 - 25	15 - 20 - 25	15 - 18	12	6
	400 - A2			195		20 - 25	20 - 25	20 - 25	15	10
	400 - A3			260		-	-	-	20	15
	500 - A4	238	540	130	250	20 - 25	20 - 25	20 - 25	20	12
	500 - A5			195		-	-	-	20 - 25	18
	500 - A6			260		-	-	-	25	25
	500 - A7	239	540	130	335	20 - 35	20 - 35	20 - 35	20	12
	500 - A8			195		35	35	35	20 - 30	18
	500 - A9			260		35	35	35	35	25

(*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
ANDROMEDA SG	**400 - ASG1**	241	434	130	250	15 - 20 - 25	15 - 20 - 25	15 - 18	12	6
	400 - ASG2			195		20 - 25	20 - 25	20 - 25	15	10
	400 - ASG3			260		-	-	-	20	15
	500 - ASG4	242	540	130	250	20 - 25	20 - 25	20 - 25	20	12
	500 - ASG5			195		-	-	-	20 - 25	18
	500 - ASG6			260		-	-	-	25	25
	500 - ASG7	243	540	130	335	20 - 35	20 - 35	20 - 35	20	12
	500 - ASG8			195		35	35	35	20 - 30	18
	500 - ASG9			260		35	35	35	35	25

(*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
ORION RD	**400 - O1**	245	434	130	250	40	25	20	10	6
	400 - O2			195		50	40	30	15	10
	400 - O3			260		60	50	40	20	15
	500 - O4	246	540	130	250	60	50	40	20	13
	500 - O5			195		-	-	-	30	18
	500 - O6			260		-	-	-	40	30

(*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
ORION PESANTE HEAVY DUTY	**PESANTE - OP1**	248	434	260	250	60	50	40	20	15
	PESANTE - OP2		540	195		130	85	65	30	18
	PESANTE - OP3			260		180	115	90	40	30

(*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
ORION EASY	**EASY - OE1**	249	434	400	260	150	100	80	42	25
	EASY - OE2		540	400	335	200	140	100	50	35

(*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
SIRIO COMPACT	**400 - SC1**	251W	434	130	250	40	25	18	12	8

(*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *				
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"
SIRIO	**400 - S1**	252	434	130	250	40	25	18	12	8
	400 - S2			195		50	40	30	18	12
	400 - S3			260		60	50	40	20	15
	500 - S4	253	540	130	250	80	60	45	22	12
	500 - S5			195		120	90	70	35	18
	500 - S6			260		180	115	90	-	-

(*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *						
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"	Ø 1" 1/4	Ø 1" 1/2
GEMINI	**500 - G1**	255	540	195	250	130	85	65	30	18	-	-
	500 - G2			260		180	115	90	40	25	-	-
	600 - G3		600	260	335	200	150	110	55	32	22	15

(*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *			
						Ø 3/4"	Ø 1"	Ø 1" 1/4	Ø 1" 1/2
TITANO	**SPRING - T1**	256	600	400	335	35	35	18	12

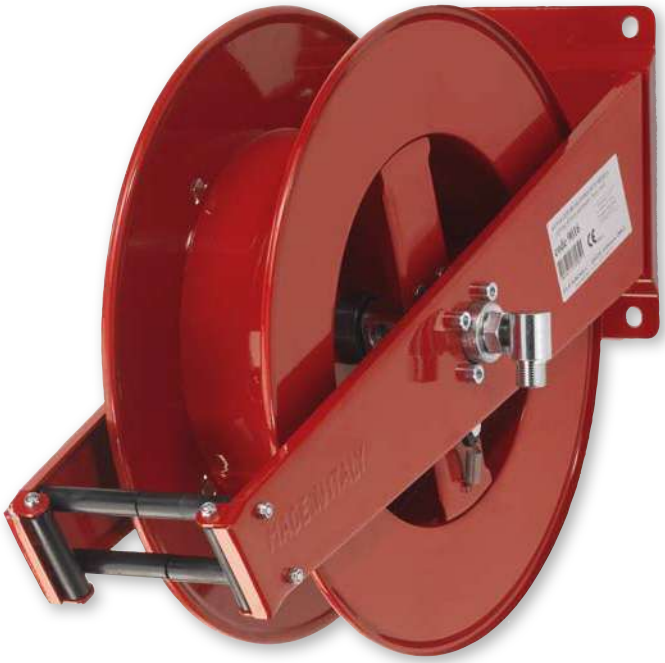
(*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

	SERIES	Page	Ø Disc (mm)	Spool (mm)	Drum (mm)	HOSE LENGTH (m) *						
						Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"	Ø 1" 1/4	Ø 1" 1/2
TITANO HEAVY DUTY	**MOTOR DRIVEN - T2**	258	540	400	250	280	180	130	80	40	-	-
	MOTOR DRIVEN - T3				335	200	140	100	55	30	20	15
	MOTOR DRIVEN - T4	259	680	400	250	-	-	-	130	75	-	-
	MOTOR DRIVEN - T5				335	-	-	-	100	65	50	30
	MOTOR DRIVEN - T6			600		-	-	-	180	90	75	50

(*) For the same hose diameter, some dimensions may vary based on the development of the spring of the desired model (see articles on the relevant page)

Standard series Ø max 1/2" - up to 20 m length
Ø max 3/8" - up to 25 m length

Automatic rewind, spring-driven hose reel, **standard series,** in painted steel or in stainless steel AISI 304, suitable for hoses of max 20 m length (ø hose 1/2") or max 25 m length (ø hose 3/8").
The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts (see pages 217 – 218).
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.
Please see catalogue pages 220 and 221 for the selection of the required hoses.
On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9016/HB)!













Art.no. **9767**
Art.no. **9768**



Art.no. **9760**
Art.no. **9765**

Atex
II 2 G

On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU– group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (F)	Weight
9016	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	9767	9951	215x570x430	120 mm	14 Kg
9021					1/2"	20 m	9768		245x570x430	150 mm	18 Kg
9022					3/8"	25 m	9768				19 Kg
9517	Stainless steel AISI 304	200 bar			1/2"	15 m	9760	9963	215x570x430	120 mm	14 Kg
9521					3/8"	25 m	9765		245x570x430	150 mm	19 Kg
9522					1/2"	20 m	9765				18 Kg



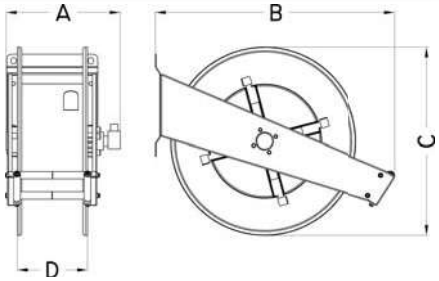
OPTIONAL

HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967

HOSE REEL HB REWIND CONTROL



Enclosed series Ø max 1/2" - up to 20 m length
Ø max 3/8" - up to 25 m length

Automatic rewind, spring-driven hose reel, **enclosed series,** in painted steel or in stainless steel AISI 304, suitable for hoses of max 20 m length (ø hose 1/2") or max 25 m length (ø hose 3/8"). The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts (see pages 263-265). The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water. Please see catalogue pages 220 and 221 for the selection of the required hoses.
On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9013/HB)! **Please note: the spring brake kit is available only for art.nos. 9013-9547.**













Art.no. **9778**



Art.no. **9754**

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (F)	Weight
9013	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	9778	9951	215x530x470	120 mm	26 Kg
9023		600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m			245x530x470	150 mm	27 Kg
9024		100 bar	1" (M) - 3/4" (F)	20 mm	3/4"	8 m		9986			26 Kg
9025		600 bar	1/2" (M) - 1/2" (F)	10 mm	3/8"	25 m		9951			29 Kg
9546	Stainless steel AISI 304	100 bar	1" (M) - 3/4" (F)	20 mm	3/4"	8 m	9754	9986	245x530x470	150 mm	26 Kg
9547		200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m		9963	215x530x470	120 mm	26 Kg
9548		200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m			245x530x470	150 mm	27 Kg
9549		200 bar	1/2" (M) - 1/2" (F)	10 mm	3/8"	25 m					29 Kg



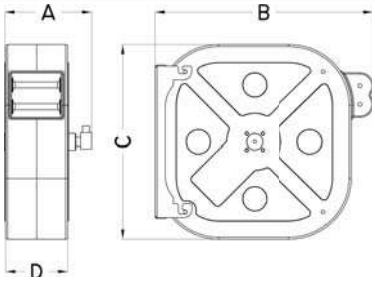
OPTIONAL

HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967





Adjustable arms series Ø max 1/2" – up to 25 m length

Automatic rewind, spring-driven hose reel, **adjustable arms series,** in painted steel or in stainless steel AISI 304, suitable for hoses of max 25 m length and max diameter of 1/2". The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.
The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts (see pages 263-265).
Please see catalogue pages 220 and 221 for the selection of the required hoses.
On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9090/HB)!











Art.no. **9767**
Art.no. **9768**



Art.no. **9760**
Art.no. **9765**

Atex
II 2 G

On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU– group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/8" - 1/2"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (F)	Weight
9090	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	9767	9951	240x560x450	120 mm	12 kg
9091						20 m -15 m					15 kg
9092						25 m –20 m	9768		270x560x450	150 mm	16 kg
9093						25 m			303x560x450	200 mm	19 kg
9590	Stainless steel AISI 304	200 bar				15 m	9760	9963	240x560x450	120 mm	12 kg
9591						20 m -15 m					15 kg
9592						25 m –20 m	9765		270x560x450	150 mm	16 kg
9593						25 m			303x560x450	200 mm	19 kg



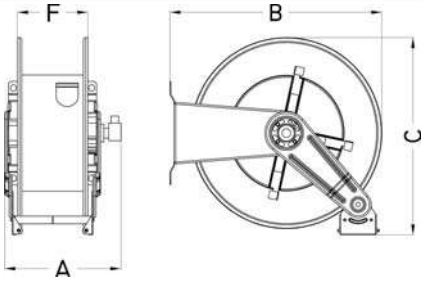
OPTIONAL

HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967

HOSE REEL HB REWIND CONTROL



Adjustable arms series Ø max 1/2" – up to 40 m length

Automatic rewind, spring-driven hose reel, **adjustable arms series,** in painted steel or in stainless steel AISI 304, suitable for hoses of max 40 m length (ø hose max.1/2").
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.
The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts (see pages 263-265).
Please see catalogue pages 220 and 221 for the selection of the required hoses.
On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9074/HB)!











Art.no. **9777**



Art.no. **9770**

On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU– group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (F)	Weight
9074	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	30 m	9777	9951	370x590x600	150 mm	25 kg
9083						35 m					26 kg
9073						40 m					30 kg
9574	Stainless steel AISI 304	200 bar				30 m	9770	9963			25 kg
9530						35 m					26 kg
9573						40 m					30 kg

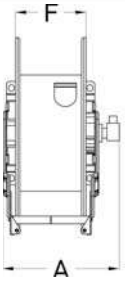


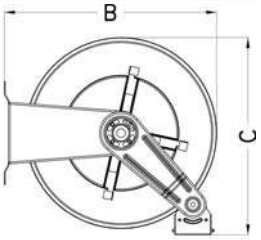
OPTIONAL

HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967





Adjustable arms series with twin spring Ø max 1/2" – up to 60 m length

Automatic rewind, spring-driven hose reel, **adjustable arms series with twin spring,** in painted steel or in stainless steel AISI 304, suitable for hoses of max 60 m (ø hose max.1/2").
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.
Please see catalogue pages 220 and 221 for the selection of the required hoses.
On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9086/HB)!









Atex
On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU– group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (F)	Weight
9086	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	60 m	9951	650x650x600	400 mm	50 Kg
9586	Stainless steel AISI 304	200 bar					9963			



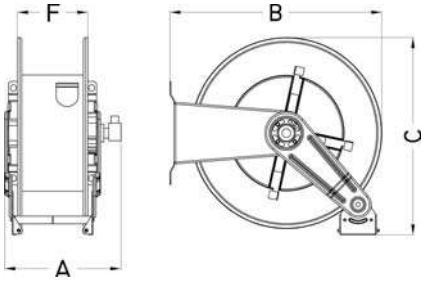
OPTIONAL

HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967





Adjustable arms series with triple spring Ø max 1/2" – up to 100 m length

Automatic rewind, spring-driven hose reel, **adjustable arms series with triple spring,** in painted steel or in stainless steel AISI 304, suitable for hoses of max 100 m (ø hose max.1/2").
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.
Please see catalogue pages 220 and 221 for the selection of the required hoses.
On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9088/HB)!









Atex
II 2 G
On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU– group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (F)	Weight
9088	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	100 m	9951	650x650x590	400 mm	70 Kg
9589	Stainless steel AISI 304	200 bar					9963			



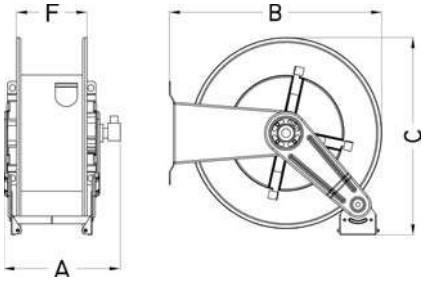
OPTIONAL

HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967

HOSE REEL • HB REWIND CONTROL •



Adjustable arms series Ø max 3/4" – up to 18 m length
Ø max 1" – up to 15 m length

Automatic rewind, spring-driven hose reel, **adjustable arms series,** in painted steel or in stainless steel AISI 304, suitable for hoses of max 18 m length (ø hose 3/4") or max. 15 m length (ø hose 1").
The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts (see pages 263-265).
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water.
Please see catalogue pages 220 and 221 for the selection of the required hoses.
On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9095/HB)!











Art.no. **9768**
Art.no. **9769**



Art.no. **9764**
Art.no. **9765**

Atex
II 2 G

On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU– group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (F)	Weight
9095	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	1"	10 m – 8 m	9768	9986	270x500x490	150 mm	14 kg
9096						15 m -12 m			305x490x490	200 mm	22 kg
9097						18 m -15 m	9769		505x530x500	300 mm	24 kg
9595	Stainless steel AISI 304					10 m - 8 m	9765		270x500x490	150 mm	14 kg
9596						15 m -12 m			305x490x490	200 mm	22 kg
9584						18 m -15 m	9764		505x530x500	300 mm	24 kg



OPTIONAL

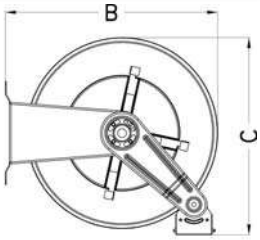
HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967

HOSE REEL HB REWIND CONTROL





Adjustable arms series with twin spring

Ø max 3/4" – up to 30 m length
Ø max 1" – up to 20 m length

Automatic rewind, spring-driven hose reel, **adjustable arms series with twin spring,** in painted steel or in stainless steel AISI 304, suitable for hoses of max 30 m length (ø hose 3/4") or max. 20 m length (ø hose 1").
The wetted parts of the painted steel models on demand can also be replaced by stainless steel parts (see pages 263-265).
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water.
Please see catalogue pages 220 and 221 for the selection of the required hoses. On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9070/HB)!











Art.no. **9777**
Art.no. **9769**



Art.no. **9770**
Art.no. **9764**

Atex
II 2 G

On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU– group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (F)	Weight
9084	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	1"	20 m - 15 m	9777	9986	270x600x590	150 mm	27 kg
9098						25 m - 18 m			370x640x600	200 mm	30 kg
9070						30 m - 20 m	9769		450x540x600	300 mm	38 kg
9534	Stainless steel AISI 304					20 m - 15 m	9770		270x600x590	150 mm	27 kg
9598						25 m - 18 m			370x640x600	200 mm	30 kg
9570						30 m - 20 m	9764		450x540x600	300 mm	38 kg



OPTIONAL

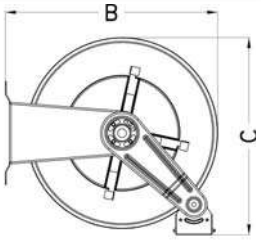
HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967

HOSE REEL • HB REWIND CONTROL •





Adjustable arms series with twin spring

Ø max 3/4" – up to 50 m length
Ø max 1" – up to 30 m length

Automatic rewind, spring-driven hose reel, **adjustable arms series with twin spring,** in painted steel or in stainless steel AISI 304, suitable for applications with high delivery rates and for hoses of max 50 m length (ø hose 3/4") or max. 30 m length (ø hose 1").
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.
Please see catalogue pages 220 and 221 for the selection of the required hoses.
On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9085/HB)!









Atex
II 2 G

On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU– group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (F)	Weight
9085	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	3/4"	40 m	9986	650x650x590	400 mm	50 kg
9068						50 m				52 kg
9099					1"	30 m				50 kg
9585	Stainless steel AISI 304				3/4"	40 m				50 kg
9588						50 m				52 kg
9599					1"	30 m				50 kg



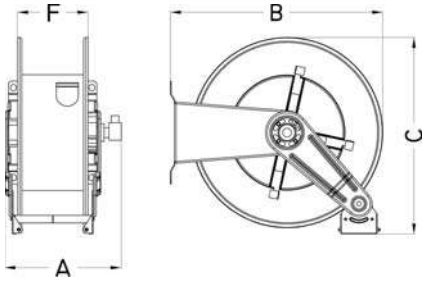
OPTIONAL

HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967





Adjustable arms series Ø max 1 1/4" – up to 20 m length
Ø max 1 1/2" – up to 15 m length

Automatic rewind, spring-driven hose reel, **adjustable arms series**, in painted steel or in stainless steel AISI 304, suitable for applications with high delivery rates and for hoses of max 20 m length (ø hose 1 1/4") or max. 15 m length (ø hose 1 1/2").
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version galvanized steel, available **on demand also in stainless steel AISI 304 or AISI 316).**
Please see catalogue pages 220 and 221 for the selection of the required hoses.
On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9031/HB)!









Atex
II 2 G
On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU– group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max diameter hose	Max length hose	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (F)	Weight
9031	Painted steel	20 bar	1 1/2" (M) - 1 1/2" (F)	25 mm	1 1/4"	8 m	9980	430x500x490	200 mm	18 kg
9038						20 m	9978	590x670x670	400 mm	49 kg
9039				32 mm	1 1/2"	15 m	9899			50 kg
9531	Stainless steel AISI 304			25 mm	1 1/4"	8 m	9870	430x500x490	200 mm	18 kg
9538						20 m	9861	590x670x670	400 mm	49 kg
9539				32 mm	1 1/2"	15 m	9791			50 kg



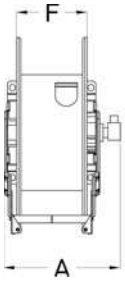
OPTIONAL

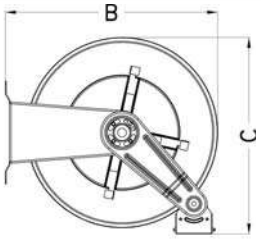
HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967

HOSE REEL • HB REWIND CONTROL •





Heavy duty series Ø max 3/4" - up to 25 m length
Ø max 1" - up to 25 m length

Automatic rewind, spring-driven hose reel, **heavy duty series,** in painted steel or in stainless steel AISI 304, suitable for hoses of max 25 m length.
The art.no. 9036 is equipped with a twin spring for a convenient hose rewind.
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water at low pressure.
Please see catalogue pages 220 and 221 for the selection of the required hoses.
On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9034/HB)!









Art.no. **9768**
Art.no. **9769**



Art.no. **9764**
Art.no. **9765**

Atex
II 2 G

On demand the stainless steel hose reels can also be supplied in accordance with directive ATEX 2014/34/EU– group II – category 2.

Art.no.	Material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" - 1"	Suitable pivoting wall bracket	Included swivel joint	Dimensions (A-B-C) (mm)	Spool width (F)	Weight
9030	Painted steel	100 bar	1" (M) - 1" (F)	20 mm	1"	12 m - 8 m	9768	9986	295x530x500	150 mm	21 Kg
9034						18 m - 15 m	9769		440x530x500	300 mm	24 Kg
9036						25 m	-		500x530x540	400 mm	36 Kg
9529	Stainless steel AISI 304					12 m - 8 m	9765		295x530x500	150 mm	21 Kg
9525						18 m - 15 m	9764		440x530x500	300 mm	24 Kg
9536						25 m	-		500x530x540	400 mm	36 Kg



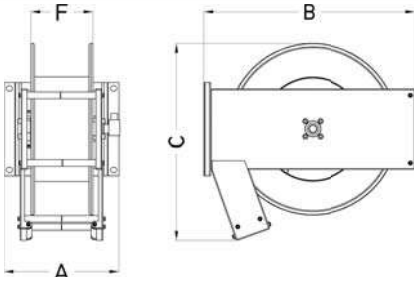
OPTIONAL

HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.
Patent no. 0001426967

HOSE REEL HB REWIND CONTROL



LS series Ø max 1/2" up to 50 m length and Ø 1" up to 20 m length



Art.no. **9251 - 9252 - 9253 - 9256**

Manual, hand crank hose reel, **LS series**, in painted steel, suitable for hoses of max 50 m length in 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 268 and 269 for the selection of the required hoses.



Art.no. **9767**
Art.no. **9768**



Art.no. **9254**

Manual, hand crank hose reel, **LS series,** in painted steel, suitable for hoses of max 12 m length in 1" or max 15 m length in 3/4".

The hose reel is supplied without hoses and can be used with hoses for the supply of diesel, compressed air and water at low pressure.

Please see catalogue pages 268 and 269 for the selection of the required hoses.



Art.no. **9773**



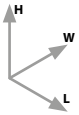
Art.no. **9255**

Manual, hand crank hose reel, **LS series,** in painted steel, suitable for hoses of max 20 m length in 1" or max 25 m length in 3/4".

The hose reel is supplied without hoses and can be used with hoses for the supply of diesel, compressed air and water at low pressure.

Please see catalogue pages 268 and 269 for the selection of the required hoses.

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 1/4" – 3/8" – 1/2"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9251	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	25 m - 20 m - 15 m	120 mm	9767	9951	8 kg	280 x 530 x 480
9252					50 m - 35 m - 25 m	150 mm	9768		9 kg	
9253					70 m - 50 m - 35 m	200 mm	9773		12 kg	320 x 530 x 480
9256					100 m - 70 m - 50 m	400 mm	-		15 kg	



Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" – 1"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9254	100 bar	1" (M) - 1" (M)	20 mm	1"	15 m - 12 m	200 mm	9773	9986	12 kg	320 x 530 x 480
9255					25 m - 20 m	400 mm	-		15 kg	480 x 530 x 480

LSX series Ø max 1/2" up to 50 m length and Ø 1" up to 20 m length



Art.no. **9351 - 9352 - 9353 - 9356**

Manual, hand crank hose reel, **LSX series,** in stainless steel AISI 304, suitable for hoses of max. 50 m length in 1/2".

The hose reel is supplied without hoses and is recommended for the use with water at high and low pressure and with water-based fluids.

Please see catalogue pages 268 and 269 for the selection of the required hoses.



Art.no. **9760**
Art.no. **9765**



Art.no. **9354**

Manual, hand crank hose reel, **LSX series,** in stainless steel AISI 304, suitable for hoses of max. 12 m length in 1" or max. 15 m length in 3/4".

The hose reel is supplied without hoses and is recommended for the use with water at medium and low pressure and with water-based fluids.

Please see catalogue pages 268 and 269 for the selection of the required hoses.



Art.no. **9765**



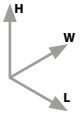
Art.no. **9355**

Manual, hand crank hose reel, **LSX series,** in stainless steel AISI 304, suitable for hoses of max. 20 m length in 1" or max. 25 m length in 3/4".

The hose reel is supplied without hoses and is recommended for the use with water at medium and low pressure and with water-based fluids.

Please see catalogue pages 268 and 269 for the selection of the required hoses.

Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 1/4" – 3/8" – 1/2"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9351	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	25 m - 20 m - 15 m	120 mm	9760	9963	8 kg	280 x 530 x 480
9352					50 m - 35 m - 25 m	150 mm	9765		9 kg	
9353					70 m - 50 m - 35 m	200 mm	9765		12 kg	320 x 530 x 480
9356					100 m - 70 m - 50 m	400 mm	-		15 kg	



Art.no.	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max diameter hose	Max length hose 3/4" – 1"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9354	100 bar	1" (M) - 1" (M)	20 mm	1"	15 m - 12 m	200 mm	9765	9986	12 kg	320 x 530 x 480
9355					25 m - 20 m	400 mm	-		15 kg	480 x 530 x 480



Art.no. **9270**

Automatic rewind, spring-driven hose reel, in painted steel, provided for the installation of max 10 m – twin hose in 1/2", with hose inlet connection fittings, suitable to connect welding equipment.

The hose reel is supplied without hoses and can be used with twin hoses (blue - red) for welding gases oxygen and acetylene in SBR/EPDM according to norm EN 559:1994.

Art.no. **9270X**

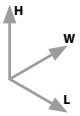
Automatic rewind, spring-driven hose reel, in stainless steel AISI 304, provided for the installation of max 10 m – twin hose in 1/2", with hose inlet connection fittings, suitable to connect welding equipment.

The hose reel is supplied without hoses and can be used with twin hoses (blue - red) for welding gases oxygen and acetylene in SBR/EPDM according to norm EN 559:1994.



Art.no. **9270X**

Art.no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Max length hose	Max operating temperature	Weight	Dimensions (LxWxH) (mm)
9270	Painted steel	200 bar	1/2" BSP (M-F)	10 m	90°C	18 kg	280x610x640
9270X	Stainless steel AISI 304						



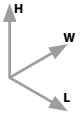


Art.no. **9418**

Automatic rewind, spring-driven hose reel, in painted steel, with 20 m – twin hose (blue - red) in 5/16" - 2 x 8 mm for welding gases oxygen and acetylene (in SBR/EPDM according to norm EN 559:1994 max 20 bar - 90°C), hose inlet connection fittings, shaft and swivel joint in brass; suitable to connect welding equipment.

On demand also available in stainless steel AISI 304.

Art.no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Max length hose	Spool width	Weight	Dimensions (LxWxH) (mm)
9418	Painted steel	20 bar	3/8" BSP (F-F)	20 m	150 mm	32 kg	280x610x640



Plastic enclosures suitable for hose reel art. no. 9013; by mounting these enclosures it is possible to create a hose reel battery, improving the esthetic effect.



Art.no. **9780**

Right side cover, including all mounting accessories.



Art.no. **9781**

Left side cover, including all mounting accessories.

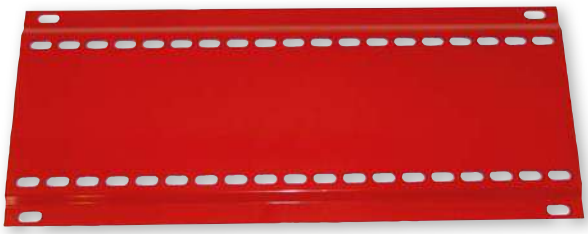




Art.no. **9779**

Distance cover, for the mounting in between the hose reels, including all mounting accessories.





Art.no. **8526**
Art.no. **8534**

Hose reel mounting channel, for the mounting of hose reels on wall or ceiling.
Length 880 mm (art. no. 8526)
Length 1255 mm (art. no. 8534)





Art.no. **03 9013**

Metal counter bracket with fixing screws, for the mounting of hose reels on the wall or on the ceiling in combination with hose reel mounting channels art. nos. 8526 and 8534. For each hose reel one counter bracket is required.



Suitable for the adjustment of the desired hose length outside the reel and for stopping the hose at the required position when rewinding.

Art.no.	ø hose	ø bumper (mm)
9940	3/4"	26
9941	1"	33
9942	1/4"	15
9943	3/8"	17
9944	1/2"	20

Hose stop bumpers in other dimensions are available, depending on the hose to be mounted on the reel.

NEW HORIZONS OF THE DIGITAL TRANSITION

The range of hose reels is enriched by a new modular generation that can be managed intelligently with smart solutions.
These new hose reels combined with the FLEXBIMEC electronic monitoring systems fall **within the regulation related to process control systems.**





MANUAL AND SPRING DRIVEN

01	02	03	04	05	06	07	08
_	_	_	_	_	_	_	_

Model

ANDROMEDA	A
ANDROMEDA SG	ASG
ORION RD	O
ORION SG	OSG
ORION HEAVY DUTY	OP
ORION HEAVY DUTY SG	OPSG
ORION EASY	OE
TITANO HEAVY DUTY WITH REINFORCED SPRING	T

Material

Painted steel	F
Stainless steel	X

Disc diameter

Ø 434 mm	4
Ø 540 mm	5
Ø 600 mm	6

Drum diameter

Ø 250 mm	2
Ø 335 mm	3

Spool width

130 mm	13
195 mm	19
260 mm	26
400 mm	40

Spring

15	15 m
20	20 m
25	25 m
25H50	25 m H50
35	35 m
- -	MANUAL DRIVEN

Suitable for

0	1/4" - 3/8" -1/2"
1	3/4" - 1"
2	1 1/4"
3	1 1/2"

Special models

BP	LONG GAP MODEL SUITABLE FOR LOW PRESSURE HOSES
MR	HANDLES AND WHEELS FOR ORION HEAVY DUTY
IR	HORIZONTAL HANDLE AND WHEELS FOR ORION HEAVY DUTY
HB	HYDRAULIC BRAKE

EXAMPLE OF SPRING DRIVEN REEL CODE:

AX5326351: Andromeda hose reel **(A)** made of stainless steel **(X)** Ø 540 disc **(5),** Ø 335 drum **(3)**, 260 mm spool width **(26)**, 35 m spring **(35)** and suitable for 3/4"-1" hoses **(1)**.

EXAMPLE OF MANUAL DRIVEN REEL CODE:

OPF52190IR : Orion Heavy duty hose reel **(OP)** made of painted steel **(F)** Ø 540 disc **(5)**, Ø 260 drum **(2),** 195 mm spool width **(19)**, suitable for 1/4"-3/8" – 1/2" hoses **(0)** with wheels and horizontal handle **(IR)**.

MOTOR DRIVEN HOSE REELS

01	02	03	04	05	06	07	08
_	_	_	_	_	_	_	_

Model

SIRIO	S
SIRIO COMPACT	SC
GEMINI	G
TITANO	T

Material

Painted steel	F
Stainless steel	X

Power supply voltage

12V	12
24V	24
230V	23
PNEUMATIC	PN
WITHOUT POWER SUPPLY	SGA

Disc diameter

Ø 434 mm	4
Ø 540 mm	5
Ø 600 mm	6

Drum diameter

2	Ø 250 mm
3	Ø 335 mm

Spool width

13	130 mm
19	195 mm
26	260 mm
40	400 mm
60	600 mm

Suitable for

0	1/4" - 3/8" -1/2"
1	3/4" - 1"
2	1 1/4"
3	1 1/2"

Special models

ID	SIRIO hydraulic version

EXAMPLE OF MOTOR DRIVEN REEL CODE:

SF2442130: SIRIO hose reel **(S)** made of painted steel **(F)**, with 24V power supply **(24)**, Ø 434 disc **(4)**, Ø 260 drum **(2)**, 130 mm spool width **(13)** and suitable for 1/4" – 3/8" – 1/2" hoses **(0)**.

FLEXBIMEC presents HOVATG®, the hose guide for the orderly rewinding of the hose on the reel drum.







OPTIONAL
Customizable plastic plate
Art. no. **10001**



OPTIONAL
Customizable front cover
Art. no. **10002**

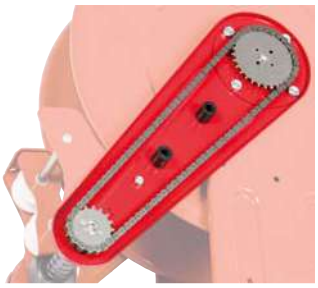
Patent Pending
HOVATG®

- Optimization of spaces during hose rewinding which assures a longer service life.
- Can also be assembled later on the new predisposed ANDROMEDA and ORION models (SG).
- Protects the operator in case of accidental releases.
- A single hose guide model for all hose diameters from Ø 1/4" to Ø 1".
- As standard it is supplied in AISI 304 stainless steel, on request in AISI 316.

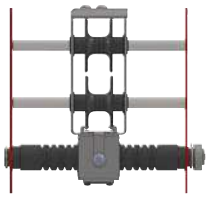


The hose guide is BELT DRIVE, allowing for an orderly rewinding of the hose.

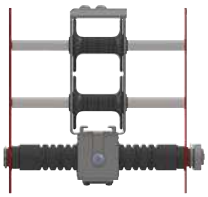
CHAIN DRIVE available on request.





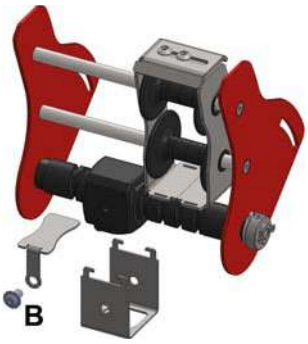


CONFIGURATION Ø 1/4”- Ø 1/2”

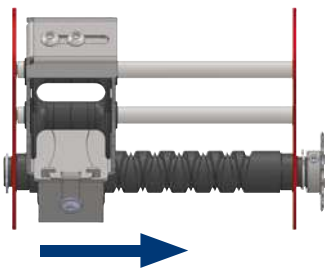


CONFIGURATION Ø 3/4”- Ø 1”

To position the hose, simply unfasten the screws (A) to configure the hose guide to accommodate 1/4" - 1/2" hoses or 3/4”- 1” hoses.



For positioning the hose guide just unfasten the screw (B) to release the front panel from the constraint of threaded pin and rotate the mother bolt in the desired position.



The hose guide is supplied in the above position and already configured to follow the correct direction on first use.

The new **ANDROMEDA** hose reel line has been designed focussing on improving the technical aspects of our previous models. The completely renewed modular design allows for vast choice of models and **adds the NOVA TG automatic hose guide** that allows for the orderly rewinding of the hose.

It can also be integrated later with the hydraulic **HB** brake kit inserted directly on the guide arm (see image C below), which safely controls the reel rewind speed.

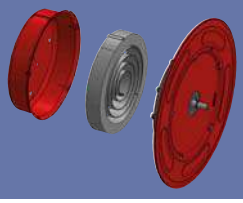


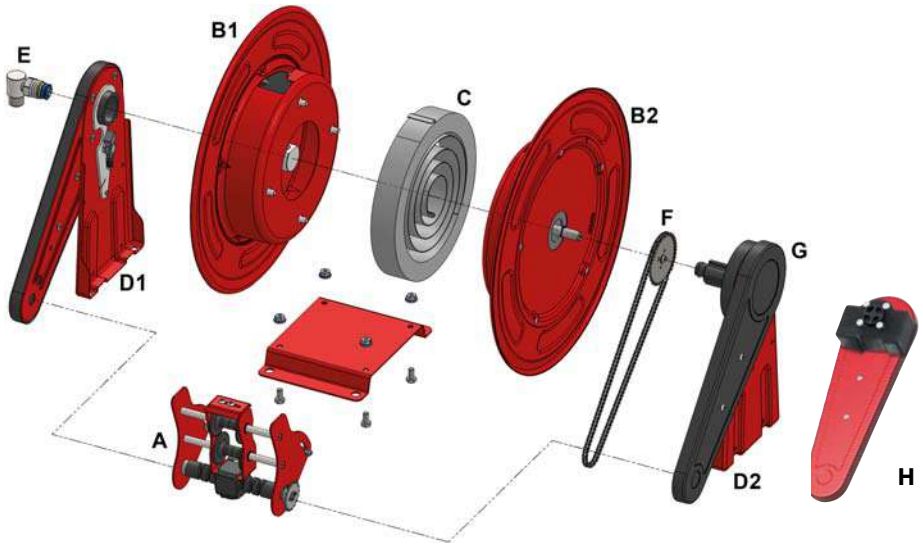


3 VERSIONS AVAILABLE

- **Painted steel;**
- **Aisi 304;**
- **Aisi 316**

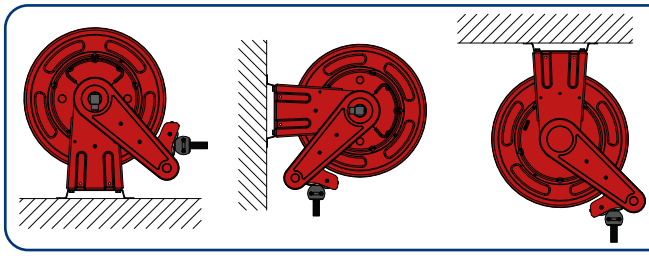
Greater security for the operator thanks to location of the spring "C" within the group disc/drum "B2"





LEGEND

- **A** NOVA TG hose guide
- **B1** Hose exit side disc/drum assembly
- **B2** Spring side disc/drum assembly
- **C** Spring
- **D1** Swivel side base arm
- **D2** Spring side base arm
- **E** Swivel joint
- **F** Drive
- **G** Guide arm cover
- **H** HB hydraulic brake



FREE ORIENTATION OF THE GUIDE ARMS

HYDRAULIC BRAKE KIT HB REWIND CONTROL



OPTIONAL

HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.

Patent no. 0001426967

HOSE REEL HB REWIND CONTROL

Scan the QR code to watch the video

(C) BRAKE KIT COMPOSITION



- **A** Guide arm cover
- **B** HB Hydraulic brake



400 SERIES - A1 Ø Disc 434 mm - Spool 130 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint *
PAINTED STEEL	AF4213150	600 bar **	1/2"(M)-1/2"(F)	15m	1/4"- 3/8"- 1/2"	15	9767	9951
	AF4213200			20m	1/4"- 3/8"	20		
					1/2"	18		
	AF4213250			25m	1/4"- 3/8"	25		
	AF4213151	100 bar	1"(M)-3/4"(F)	15m	3/4"	12		9986
					1"	6		
AISI 304 STAINLESS STEEL	AX4213150	200 bar **	1/2"(M)-1/2"(F)	15m	1/4"- 3/8"- 1/2"	15	9760	9963
	AX4213200			20m	1/4"- 3/8"	20		
					1/2"	18		
	AX4213250			25m	1/4"- 3/8"	25		
	AX4213151	100 bar	1"(M)-3/4"(F)	15m	3/4"	12		9986
					1"	6		



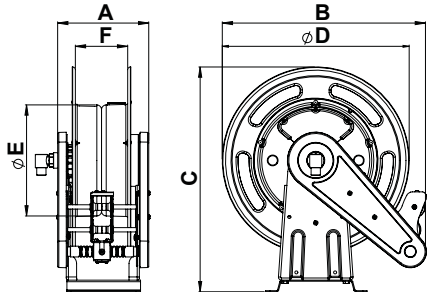
400 SERIES - A2 Ø Disc 434 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint *
PAINTED STEEL	AF4219200	600 bar **	1/2"(M)-1/2"(F)	20m	1/4" - 3/8" -1/2"	20	15001	9951
	AF4219250			25m	1/4" - 3/8" -1/2"	25		
	AF4219151	100 bar	1"(M)-3/4"(F)	15m	3/4"	15		9986
					1"	10		
AISI 304 STAINLESS STEEL	AX4219200	200 bar **	1/2"(M)-1/2"(F)	20m	1/4" - 3/8" -1/2"	20	20001	9963
	AX4219250			25m	1/4" - 3/8" -1/2"	25		
	AX4219151	100 bar	1"(M)-3/4"(F)	15m	3/4"	15		9986
					1"	10		



400 SERIES - A3 Ø Disc 434 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint[1)]
PAINTED STEEL	AF4226201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20	15002	9986
	AF4226151			15m	1"	15		
AISI 304 STAINLESS STEEL	AX4226201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20	20002	9986
	AX4226151			15m	1"	15		



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
A1	434	130	250	212x474x522	600x370x620	15
A2	434	195	250	276x474x523	600x370x620	19
A3	434	260	250	339x474x523	560x490x560	21



500 SERIES - A4 Ø Disc 540 mm - Spool 130 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	AF5213200	600 bar **	1/2"(M)-1/2"(F)	20m	1/4"-3/8"-1/2"	20	9767	9951
	AF5213250			25m		25		
	AF5213201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9986
					1"	12		
AISI 304 STAINLESS STEEL	AX5213200	200 bar **	1/2"(M)-1/2"(F)	20m	1/4"-3/8"-1/2"	20	9760	9963
	AX5213250			25m		25		
	AX5213201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9986
					1"	12		



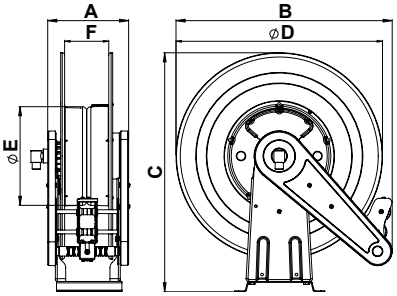
500 SERIES - A5 Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	AF521925H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4"	25	15001	9986
	AF5219201			20m	3/4"	20		
					1"	18		
AISI 304 STAINLESS STEEL	AX521925H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4"	25	20001	9986
	AX5219201			20m	3/4"	20		
					1"	18		



500 SERIES - A6 Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	AF522625H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4" - 1"	25	15002	9986
AISI 304 STAINLESS STEEL	AX522625H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4" - 1"	25	20002	9986



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
A4	540	130	250	212x565x625	700x370x700	20
A5	540	195	250	281x565x626	700x420x660	22
A6	540	260	250	346x565x626	700x420x660	23



500 SERIES - A7 Ø Disc 540 mm - Spool 130 mm - Drum 335 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	AF5313200	600 bar **	1/2"(M)-1/2"(F)	20m	1/4"-3/8"-1/2"	20	9767	9951
	AF5313350			35m		35		
	AF5313201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9986
					1"	12		
AISI 304 STAINLESS STEEL	AX5313200	200 bar **	1/2"(M)-1/2"(F)	20m	1/4"-3/8"-1/2"	20	9760	9963
	AX5313350			35m		35		
	AX5313201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9986
					1"	12		



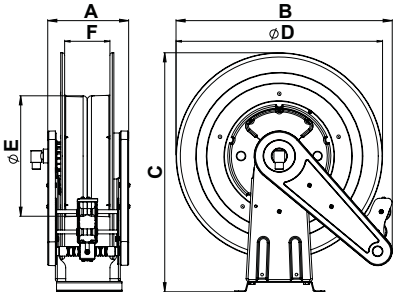
500 SERIES - A8 Ø Disc 540 mm - Spool 195 mm - Drum 335 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	AF5319350	600 bar **	1/2"(M)-1/2"(F)	35m	1/4"-3/8"-1/2"	35	15001	9951
	AF5319351	100 Bar	1"(M)-3/4"(F)		3/4"	30		9986
	AF5319201			20m	3/4"	20		
					1"	18		
AISI 304 STAINLESS STEEL	AX5319350	200 bar **	1/2"(M)-1/2"(F)	35m	1/4"-3/8"-1/2"	35	20001	9963
	AX5319351	100 Bar	1"(M)-3/4"(F)		3/4"	30		9986
	AX5319201			20m	3/4"	20		
					1"	18		



500 SERIES - A9 Ø Disc 540 mm - Spool 260 mm - Drum 335 mm

	Art.no. WITH HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	AF5326350	600 bar **	1/2"(M)-1/2"(F)	35m	1/4"-3/8"-1/2"	35	15002	9951
	AF5326351	100 bar	1"(M)-3/4"(F)		3/4"			9986
					1"	25		
AISI 304 STAINLESS STEEL	AX5326350	200 bar **	1/2"(M)-1/2"(F)	35m	1/4"-3/8"-1/2"	35	20002	9963
	AX5326351	100 bar	1"(M)-3/4"(F)		3/4"			9986
					1"	25		



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

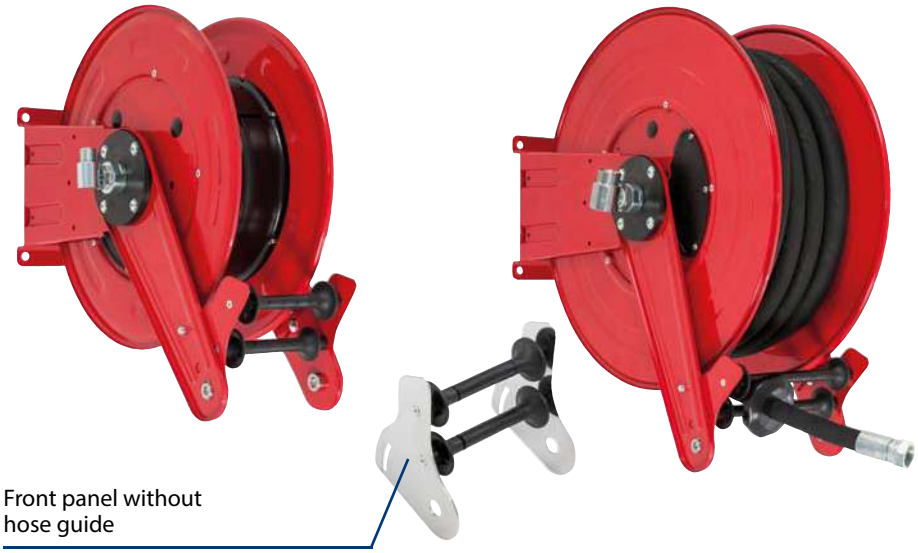
**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

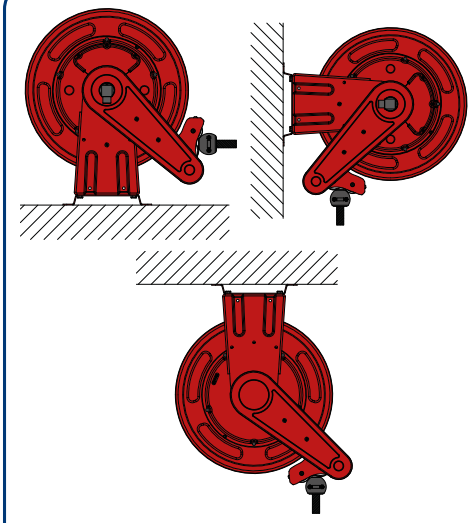
Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
A7	540	130	335	281x565x626	700x420x660	20
A8	540	195	335	281x565x626	700x420x660	22
A9	540	260	335	346x565x626	700x420x660	23

The new **ANDROMEDA** hose reel line is also offered in a **<u>version without hose guide but predisposed</u>** to be equipped with the NOVA TG® hose guide kit later.

It can also be integrated later with the hydraulic **HB** brake kit inserted on the guide arm cover. (see image C below), which safely controls the rewind speed of the reel.

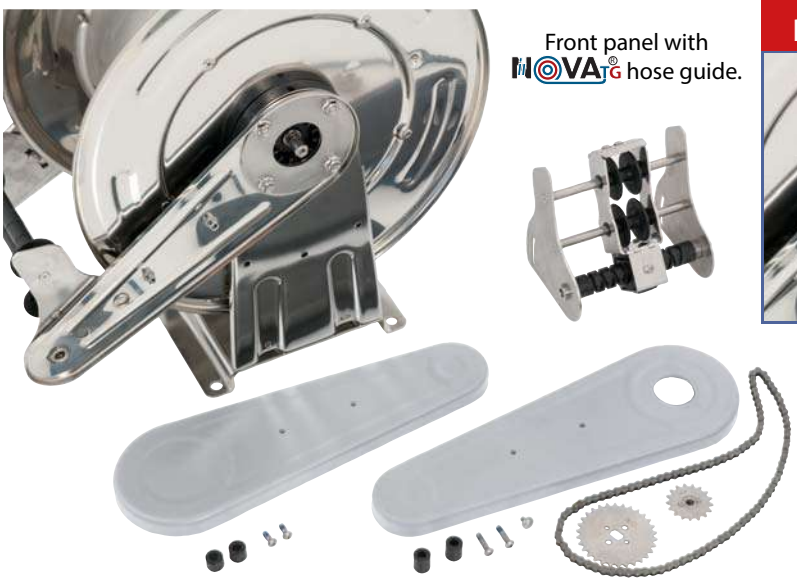


Front panel without hose guide



FREE ORIENTATION OF THE GUIDE ARMS

CONVERSION KIT FOR HOSE REEL WITH PREDISPOSITION FOR NOVA TG® HOSE GUIDE

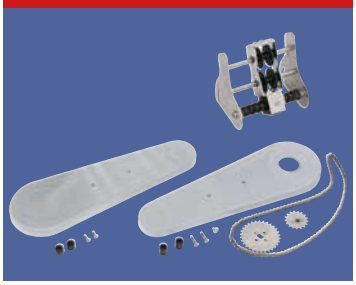


Front panel with NOVA TG® hose guide.

NOVA TG® PREDISPOSED REEL



CONVERSION KIT



Kit including hose guide and drive (belt or chain) suitable for the application of NOVA TG® hose guide on the predisposed models.

HYDRAULIC BRAKE KIT HB REWIND CONTROL



OPTIONAL

HB Spring brake hydraulic kit / PATENTED

Safety device for a controlled rewinding of the hose.

Restrains the hose in case of accidental releases, lowering risks for the operator.

Patent no. 0001426967

HOSE REEL HB REWIND CONTROL

Scan the QR code to watch the video

(C) BRAKE KIT COMPOSITION



A Guide arm cover
B HB Hydraulic brake



400 SERIES - ASG1 Ø Disc 434 mm - Spool 130 mm - Drum 250 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF4213150	600 bar **	1/2"(M)-1/2"(F)	15m	1/4"- 3/8"- 1/2"	15	9767	9951
	ASGF4213200			20m	1/4"- 3/8"	20		
					1/2"	18		
	ASGF4213250			25m	1/4"- 3/8"	25		
	ASGF4213151	100 bar	1"(M)-3/4"(F)	15m	3/4"	12		9986
					1"	6		
AISI 304 STAINLESS STEEL	ASGX4213150	200 bar **	1/2"(M)-1/2"(F)	15m	1/4"- 3/8"- 1/2"	15	9760	9963
	ASGX4213200			20m	1/4"- 3/8"	20		
					1/2"	18		
	ASGX4213250			25m	1/4"- 3/8"	25		
	ASGX4213151	100 bar	1"(M)-3/4"(F)	15m	3/4"	12		9986
					1"	6		



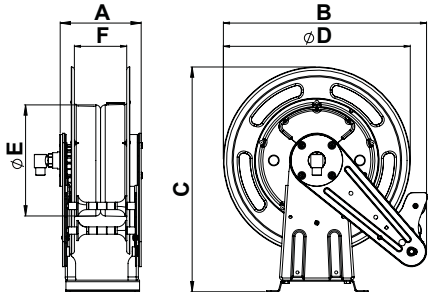
400 SERIES - ASG2 Ø Disc 434 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF4219200	600 bar **	1/2"(M)-1/2"(F)	20m	1/4" - 3/8" -1/2"	20	15001	9951
	ASGF4219250			25m	1/4" - 3/8" -1/2"	25		
	ASGF4219151	100 bar	1"(M)-3/4"(F)	15m	3/4"	15		9986
					1"	10		
AISI 304 STAINLESS STEEL	ASGX4219200	200 bar **	1/2"(M)-1/2"(F)	20m	1/4" - 3/8" -1/2"	20	20001	9963
	ASGX4219250			25m	1/4" - 3/8" -1/2"	25		
	ASGX4219151	100 bar	1"(M)-3/4"(F)	15m	3/4"	15		9986
					1"	10		



400 SERIES - ASG3 Ø Disc 434 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF4226201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20	15002	9986
	ASGF4226151			15m	1"	15		
AISI 304 STAINLESS STEEL	ASGX4226201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20	20002	9986
	ASGX4226151			15m	1"	15		



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
ASG1	434	130	250	212x474x522	600x370x620	15
ASG2	434	195	250	276x474x523	600x370x620	19
ASG3	434	260	250	339x474x523	560x490x560	21



500 SERIES - ASG4 Ø Disc 540 mm - Spool 130 mm - Drum 250 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF5213200	600 bar **	1/2"(M)-1/2"(F)	20m	1/4"-3/8"-1/2"	20	9767	9951
	ASGF5213250			25m		25		
	ASGF5213201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9986
					1"	12		
AISI 304 STAINLESS STEEL	ASGX5213200	200 bar **	1/2"(M)-1/2"(F)	20m	1/4"-3/8"-1/2"	20	9760	9963
	ASGX5213250			25m		25		
	ASGX5213201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9986
					1"	12		



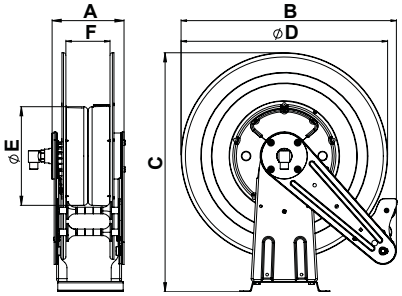
500 SERIES - ASG5 Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF521925H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4"	25	15001	9986
	ASGF5219201			20m	3/4"	20		
					1"	18		
AISI 304 STAINLESS STEEL	ASGX521925H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4"	25	20001	9986
	ASGX5219201			20m	3/4"	20		
					1"	18		



500 SERIES - ASG6 Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF522625H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4" - 1"	25	15002	9986
AISI 304 STAINLESS STEEL	ASGX522625H501	100 bar	1"(M)-3/4"(F)	25mH50	3/4" - 1"	25	20002	9986



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
ASG4	540	130	250	212x565x625	700x370x700	20
ASG5	540	195	250	281x565x626	700x420x660	22
ASG6	540	260	250	346x565x626	700x420x660	23



500 SERIES - ASG7 Ø Disc 540 mm - Spool 130 mm - Drum 335 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF5313200	600 bar **	1/2"(M)-1/2"(F)	20m	1/4"-3/8"-1/2"	20	9767	9951
	ASGF5313350			35m		35		
	ASGF5313201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9986
					1"	12		
AISI 304 STAINLESS STEEL	ASGX5313200	200 bar **	1/2"(M)-1/2"(F)	20m	1/4"-3/8"-1/2"	20	9760	9963
	ASGX5313350			35m		35		
	ASGX5313201	100 bar	1"(M)-3/4"(F)	20m	3/4"	20		9986
					1"	12		



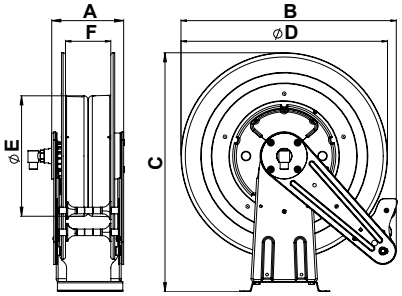
500 SERIES - ASG8 Ø Disc 540 mm - Spool 195 mm - Drum 335 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF5319350	600 bar **	1/2"(M)-1/2"(F)	35m	1/4"-3/8"-1/2"	35	15001	9951
	ASGF5319351	100 Bar	1"(M)-3/4"(F)		3/4"	30		9986
	ASGF5319201			20m	3/4"	20		
					1"	18		
AISI 304 STAINLESS STEEL	ASGX5319350	200 bar **	1/2"(M)-1/2"(F)	35m	1/4"-3/8"-1/2"	35	20001	9963
	ASGX5319351	100 Bar	1"(M)-3/4"(F)		3/4"	30		9986
	ASGX5319201			20m	3/4"	20		
					1"	18		



500 SERIES - ASG9 Ø Disc 540 mm - Spool 260 mm - Drum 335 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Pivoting wall bracket	Swivel joint*
PAINTED STEEL	ASGF5326350	600 bar **	1/2"(M)-1/2"(F)	35m	1/4"-3/8"-1/2"	35	15002	9951
	ASGF5326351	100 bar	1"(M)-3/4"(F)		3/4"			9986
					1"	25		
AISI 304 STAINLESS STEEL	ASGX5326350	200 bar **	1/2"(M)-1/2"(F)	35m	1/4"-3/8"-1/2"	35	20002	9963
	ASGX5326351	100 bar	1"(M)-3/4"(F)		3/4"			9986
					1"	25		



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
ASG7	540	130	335	281x565x626	700x420x660	20
ASG8	540	195	335	281x565x626	700x420x660	22
ASG9	540	260	335	346x565x626	700x420x660	23

The **ORION RD** line maintains the same structural characteristics of the ANDROMEDA but in the **MANUAL** version.
It includes NOVATG® hose guide to allow an orderly rewinding of the hose.





3 VERSIONS AVAILABLE

- **Painted steel;**
- **Aisi 304;**
- **Aisi 316**

LEGEND

A	NOVATG® hose guide
B1	Hose exit side disc/drum assembly
B2	Chain side disc/drum assembly
C	Guide arm cover
D1	Swivel side base arm
D2	Chain side base arm
E	Came
F	Chain drive
M	Crank



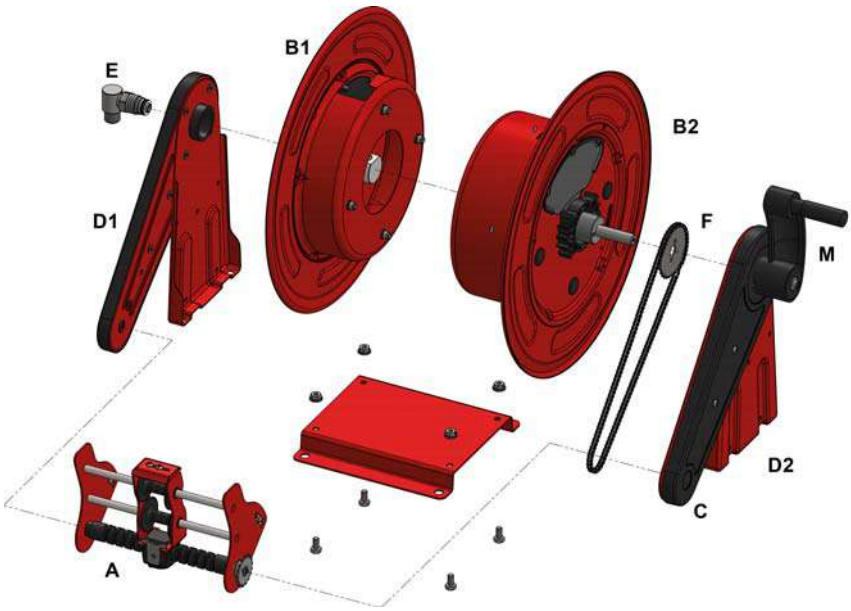
Available also in the version **ORION SG** without NOVATG® hose guide.

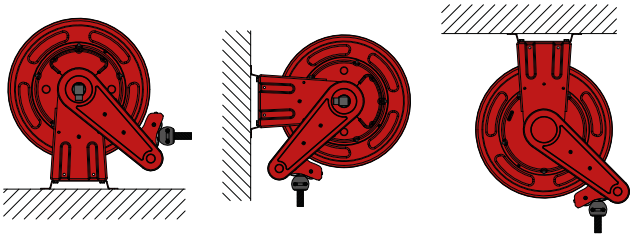
Work mode: insert the crank into the drum



Free mode: pull out the crank from the drum







FREE ORIENTATION OF THE GUIDE ARMS



400 SERIES - O1 Ø Disc 434 mm - Spool 130 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF42130	OSGF42130	600 bar **	1/2"(M) 1/2"(F)	1/4"	40	9951
					3/8"	25	
					1/2"	20	
	OF42131	OSGF42131	100 bar	1"(M)-3/4"(F)	3/4"	10	9986
					1"	6	
AISI 304 STAINLESS STEEL	OX42130	OSGX42130	200 bar **	1/2"(M) 1/2"(F)	1/4"	40	9963
					3/8"	25	
					1/2"	20	
	OX42131	OSGX42131	100 bar	1"(M)-3/4"(F)	3/4"	10	9986
					1"	6	



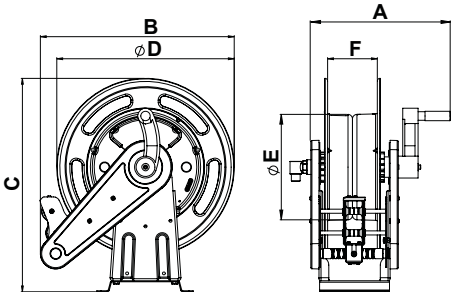
400 SERIES - O2 Ø Disc 434 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF42190	OSGF42190	600 bar **	1/2"(M) 1/2"(F)	1/4"	50	9951
					3/8"	40	
					1/2"	30	
	OF42191	OSGF42191	100 bar	1"(M)-3/4"(F)	3/4"	15	9986
					1"	10	
AISI 304 STAINLESS STEEL	OX42190	OSGX42190	200 bar **	1/2"(M) 1/2"(F)	1/4"	50	9963
					3/8"	40	
					1/2"	30	
	OX42191	OSGX42191	100 bar	1"(M)-3/4"(F)	3/4"	15	9986
					1"	10	



400 SERIES - O3 Ø Disc 434 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF42260	OSGF42260	600 bar **	1/2"(M) 1/2"(F)	1/4"	60	9951
					3/8"	50	
					1/2"	40	
	OF42261	OSGF42261	100 bar	1"(M)-3/4"(F)	3/4"	20	9986
					1"	15	
AISI 304 STAINLESS STEEL	OX42260	OSGX42260	600 bar **	1/2"(M) 1/2"(F)	1/4"	60	9963
					3/8"	50	
					1/2"	40	
	OX42261	OSGX42261	100 bar	1"(M)-3/4"(F)	3/4"	20	9986
					1"	15	



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
O1	434	130	250	393x474x522	600x370x620	15
O2	434	195	250	461x474x523	600x370x620	19
O3	434	260	250	526x474x523	560x490x560	21



500 SERIES - O4 Ø Disc 540 mm - Spool 130 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF52130	OSGF52130	600 bar **	1/2" (M) 1/2" (F)	1/4"	60	9951
					3/8"	50	
					1/2"	40	
	OF52131	OSGF52131	100 bar	1"(M)-3/4"(F)	3/4"	20	9986
					1"	13	
AISI 304 STAINLESS STEEL	OX52130	OSGF52130	200 bar **	1/2" (M) 1/2" (F)	1/4"	60	9963
					3/8"	50	
					1/2"	40	
	OX52131	OSGF52131	100 bar	1"(M)-3/4"(F)	3/4"	20	9986
					1"	13	



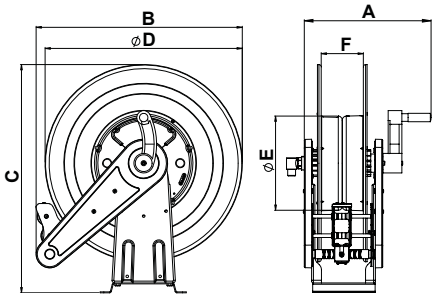
500 SERIES - O5 Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF52191	OSGF52191	100 bar	1"(M)-3/4"(F)	3/4"	30	9986
					1"	18	
AISI 304 STAINLESS STEEL	OX52191	OSGX52191	100 bar	1"(M)-3/4"(F)	3/4"	30	9986
					1"	18	



500 SERIES - O6 Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OF52261	OSGF52261	100 bar	1"(M)-3/4"(F)	3/4"	40	9986
					1"	30	
AISI 304 STAINLESS STEEL	OX52261	OSGX52261	100 bar	1"(M)-3/4"(F)	3/4"	40	9986
					1"	30	



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

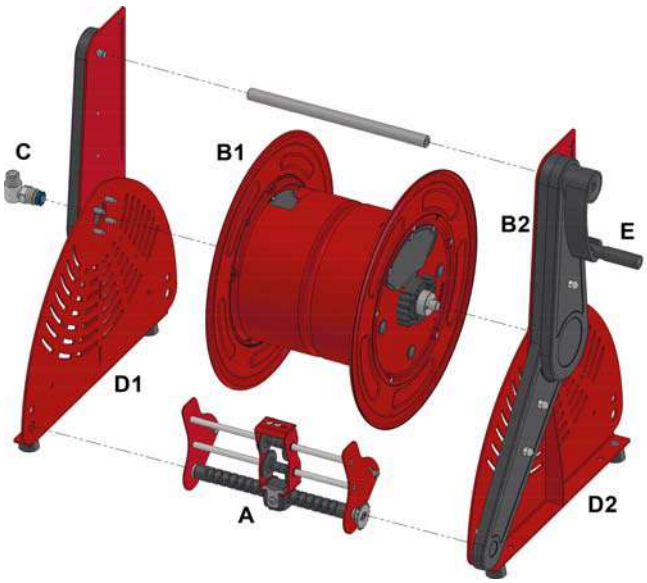
DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
O4	540	130	250	396x565x625	700x370x700	20
O5	540	195	250	461x565x626	700x420x660	22
O6	540	260	250	526x565x626	700x420x660	23

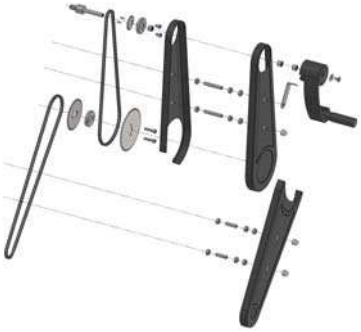
The **ORION HEAVY DUTY** line was created to satisfy the need of rewinding long hoses with diameters up to 1" while using manual-driven reels equipped with NOVA G® hose guide.
To do this it integrates a **3:1 effort reduction** mechanism which, facilitated by a raised position, makes it easier for the operator to rewind the hose.







EFFORT REDUCTION (E)
A gear reduction system 3:1: allows a complete revolution of the hose reel drum with 3 turns of the crank, reducing the user's effort considerably.



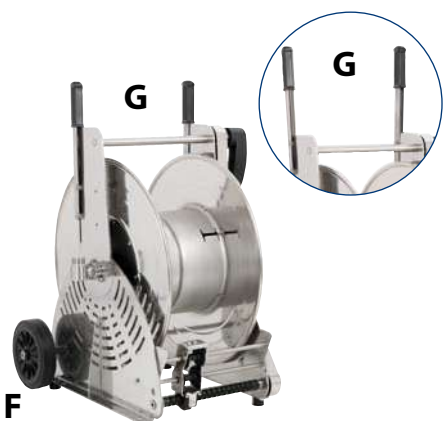
OPTIONAL
Also available on wheels to allow easy movement of the hose reel
- Wheels (F)
- Handles (G)
- Horizontal handle (H)

3 VERSIONS AVAILABLE
- **Painted steel;**
- **Aisi 304;**
- **Aisi 316**

LEGEND

A	NOVA G® hose guide
B1	Hose exit side disc/drum assembly
B2	Chain drive side disc/drum assembly
C	Swivel Joint
D1	Swivel joint side base arm
D2	Chain drive side base arm
E	Crank and effort reduction mechanism

OPTIONAL
WHEELED VERSION COMPLETE WITH WHEELS (F) AND HANDLES (G)



OPTIONAL
WHEELED VERSION COMPLETE WITH WHEELS (F) AND HORIZONTAL HANDLE (H)
To order this model add IR to the reel's code (e.g. OPF52190IR).





HD SERIES - OP1 Ø Disc 434 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OPF42260	OPSGF42260	600 bar **	1/2"(M)-1/2"(F)	1/4"	60	9951
					3/8"	50	
					1/2"	40	
	OPF42261	OPSGF42261	100 bar	1"(M)-3/4"(F)	3/4"	20	9986
					1"	15	
AISI 304 STAINLESS STEEL	OPX42260	OPSGX42260	200 bar **	1/2"(M)-1/2"(F)	1/4"	60	9963
					3/8"	50	
					1/2"	40	
	OPX42261	OPSGX42261	100 bar	1"(M)-3/4"(F)	3/4"	20	9986
					1"	15	



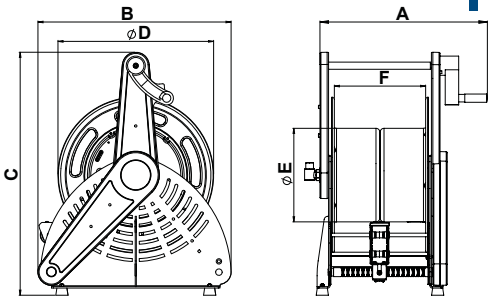
HD SERIES - OP2 Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OPF52190	OPSGF52190	600 bar **	1/2"(M)-1/2"(F)	1/4"	130	9951
					3/8"	85	
					1/2"	65	
	OPF52191	OPSGF52191	100 bar	1"(M)-3/4"(F)	3/4"	30	9986
					1"	18	
AISI 304 STAINLESS STEEL	OPX52190	OPSGX52190	200 bar **	1/2"(M)-1/2"(F)	1/4"	130	9963
					3/8"	85	
					1/2"	65	
	OPX52191	OPSGX52191	100 bar	1"(M)-3/4"(F)	3/4"	30	9986
					1"	18	



HD SERIES - OP3 Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. WITH HOSE GUIDE	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OPF52260	OPSGF52260	600 bar **	1/2"(M)-1/2"(F)	1/4"	180	9951
					3/8"	115	
					1/2"	90	
	OPF52261	OPSGF52261	100 bar	1"(M)-3/4"(F)	3/4"	40	9986
					1"	30	
AISI 304 STAINLESS STEEL	OPX52260	OPSGX52260	200 bar **	1/2"(M)-1/2"(F)	1/4"	180	9963
					3/8"	115	
					1/2"	90	
	OPX52261	OPSGX52261	100 bar	1"(M)-3/4"(F)	3/4"	40	9986
					1"	30	



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
OP1	434	260	250	529x540x677	600x500x700	26
OP2	540	195	250	461x542x677	600x500x701	24
OP3	540	260	250	526x542x677	600x500x700	26

WITH HOSE GUIDE



ORION HEAVY DUTY
with hose guide

WHEELED VERSION COMPOSED OF:
- Nr. 2 wheels Ø 200 mm
- Nr. 2 adjustable handles.

To order this model
add MR to the reel's code
(e.g. OPF52190MR).
(See tables on page 248)

WITHOUT HOSE GUIDE



ORION HEAVY DUTY
without hose guide

ORION EASY MANUAL HOSE REELS

WITHOUT HOSE GUIDE

ORION EASY wheeled hose reel with reduced effort system with **3:1 rapport** and reel rotation lock mechanism. The EASY model comes with wheels.



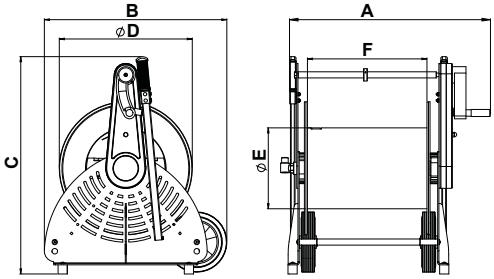


EASY 400 SERIES - OE1 Ø Disc 434 mm - Spool 400 mm - Drum 260 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OEF42400	600 bar **	1/2"(M)-1/2"(F)	1/4"	150	9951
				3/8"	100	
				1/2"	80	
	OEF42401	100 bar	1"(M)-3/4"(F)	3/4"	42	9986
				1"	25	
AISI 304 STAINLESS STEEL	OEX42400	200 bar **	1/2"(M)-1/2"(F)	1/4"	150	9963
				3/8"	100	
				1/2"	80	
	OEX42401	100 bar	1"(M)-3/4"(F)	3/4"	42	9986
				1"	25	

EASY 500 SERIES - OE2 Ø Disc 540 mm - Spool 400 mm - Drum 335 mm

	Art.no. WITHOUT HOSE GUIDE	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	OEF53400	600 bar **	1/2"(M)-1/2"(F)	1/4"	200	9951
				3/8"	140	
				1/2"	100	
	OEF53401	100 bar	1"(M)-3/4"(F)	3/4"	50	9986
				1"	35	
AISI 304 STAINLESS STEEL	OEX53400	200 bar **	1/2"(M)-1/2"(F)	1/4"	200	9963
				3/8"	140	
				1/2"	100	
	OEX53401	100 bar	1"(M)-3/4"(F)	3/4"	50	9986
				1"	35	



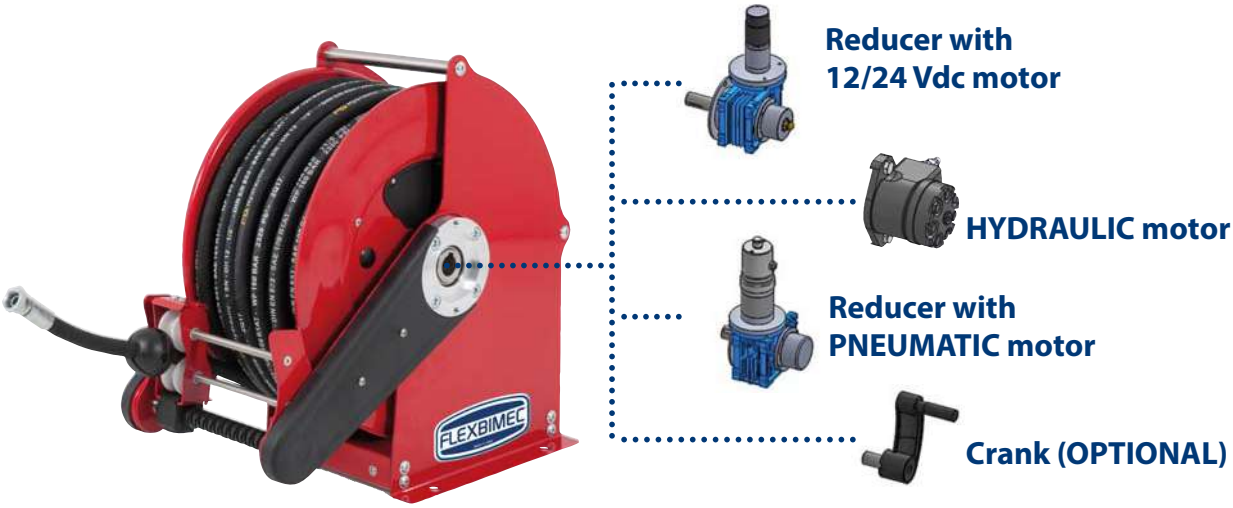
*) **The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.**
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

) **When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
OE1	434	400	250	665x542x523	600x500x700	24
OE2	540	400	250	665x542x677	600x500x700	25

The **SIRIO motorized** hose reel is compact and can work with different motors, which can operate with a speed variator (24Vdc/12Vdc models).
If needed, a 230Vac /24Vdc power supply can be supplied separately (optional).
(Art.no. 6532 (24Vdc) / 6532/12 (12Vdc)).
In heavy duty application where more power is need in order to rewind the hose, SIRIO can be supplied with an hydraulic motor which can be powered by a 12/24 Vdc or 230 Vac control unit.
NOTE: in this version the rewinding occurs via the use of the hydraulic motor, meanwhile the unwinding of the hose must be done manually.
OPTIONAL: crank to allow manual winding of the hose.







OPTIONAL CONTROLS

BUTTON PANEL



Art.no. **25103**

REMOTE CONTROL



Art.no. **25101**

POWER SUPPLY/CONVERTER 230Vac – 12/24 Vdc



Art.no. **6532/12** (12Vdc)
Art.no. **6532** (24Vdc)

SIMPLIFIED CONTROL PANEL



Art.no. **25107/12** (12Vdc)
Art.no. **25107/24** (24Vdc)

CONTROL PANEL WITH SPEED REGULATOR



Art.no. **25108/12** (12Vdc)
Art.no. **25108/24** (24Vdc)

COMPLETE CONTROL PANEL AS STANDARD



Art.no. **25104** (230Vac)
Art.no. **25105** (12Vdc)
Art.no. **25106** (24Vdc)

SIRIO COMPACT hose reel with chain drive and with 12/24 VDC motor.

VERSION WITH REDUCED DIMENSIONS



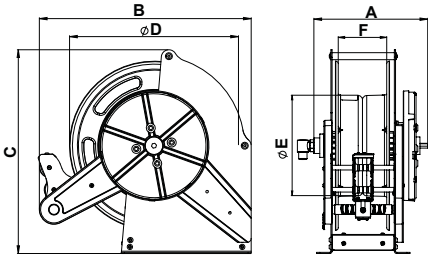
COMPACT VERSION



12/24V Motor

400 SERIES - SC1 Ø Disc 434 mm - Spool 130 mm - Drum 250 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	SCF1242130	SCF2442130	600 bar **	1/2"(M) 1/2"(F)	1/4"	40	9951
					3/8"	25	
					1/2"	18	
	SCF1242131	SCF2442131	100 bar	1"(M)-3/4"(F)	3/4"	12	9986
					1"	8	
AISI 304 STAINLESS STEEL	SCX1242130	SCX2442130	200 bar **	1/2"(M) 1/2"(F)	1/4"	40	9963
					3/8"	25	
					1/2"	18	
	SCX1242131	SCX2442131	100 bar	1"(M)-3/4"(F)	3/4"	12	9986
					1"	8	



*) **The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.**
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

) **When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
SC1	434	130	250	335x544x524	670x800x900	26

SIRIO ID HYDRAULIC MOTOR DRIVEN HOSE REEL

In the **SIRIO ID** version the hydraulic control unit (available with 24 Vdc or 230 Vac power supply) is supplied separately and its housing must be managed by the end user.

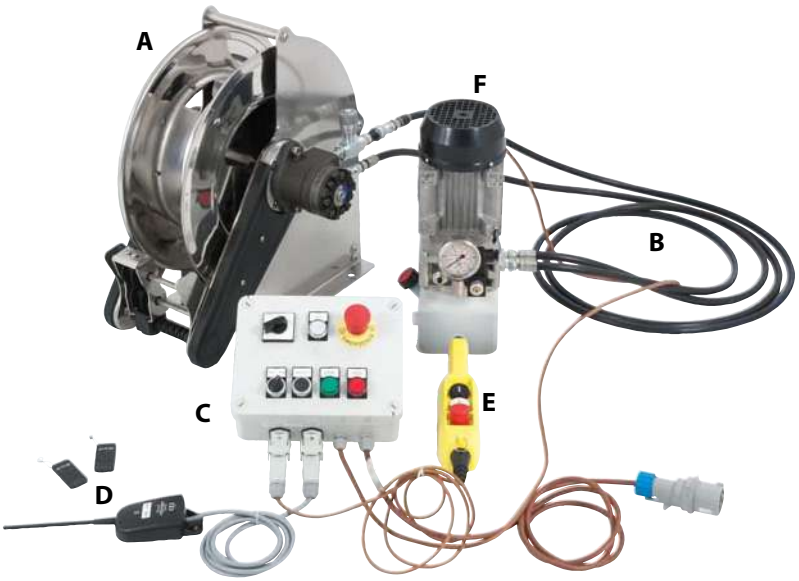




F1 – Control unit 12/24Vdc
Art.no. 22024 (24Vdc)
Art.no. 22012 (12Vdc)



F2 – Control unit 230Vac
Art.no. 22023



EXAMPLE OF COMPLETE HYDRAULIC KIT

A	SIRIO ID hydraulic hose reel
B	Hydraulic pipes (optional)
C	Complete control panel (optional)
D	Remote control (optional)
E	Button panel (optional)
F	Electro-hydraulic control unit (optional)

STANDARD VERSION







400 SERIES - S1 Ø Disc 434 mm - Spool 130 mm - Drum 250 mm

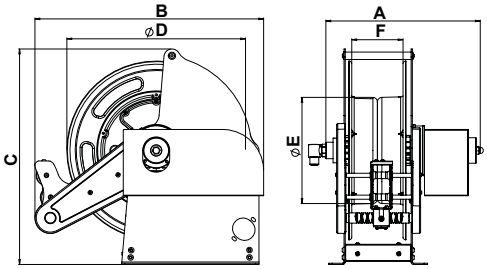
	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. ID HYDRAULIC	Art.no. PNEUMATIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	SF1242130	SF2442130	SFID42130	SFPN42130	600 bar **	1/2"(M) 1/2"(F)	1/4"	40	9951
							3/8"	25	
							1/2"	18	
	SF1242131	SF2442131	SFID42131	SFPN42131	100 bar	1"(M)-3/4"(F)	3/4"	12	9986
							1"	8	
AISI 304 STAINLESS STEEL	SX1242130	SX2442130	SXID42130	SXPN42130	200 bar **	1/2"(M) 1/2"(F)	1/4"	40	9963
							3/8"	25	
							1/2"	18	
	SX1242131	SX2442131	SXID42131	SXPN42131	100 bar	1"(M)-3/4"(F)	3/4"	12	9986
							1"	15	

400 SERIES - S2 Ø Disc 434 mm - Spool 195 mm - Drum 250 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. ID HYDRAULIC	Art.no. PNEUMATIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	SF1242190	SF2442190	SFID42190	SFPN42190	600 bar **	1/2"(M) 1/2"(F)	1/4"	50	9951
							3/8"	40	
							1/2"	30	
	SF1242191	SF2442191	SFID42191	SFPN42191	100 bar	1"(M)-3/4"(F)	3/4"	18	9986
							1"	12	
AISI 304 STAINLESS STEEL	SX1242190	SX2442190	SXID42190	SXPN42190	200 bar **	1/2"(M) 1/2"(F)	1/4"	60	9963
							3/8"	40	
							1/2"	30	
	SX1242191	SX2442191	SXID42191	SXPN42191	100 bar	1"(M)-3/4"(F)	3/4"	18	9986
							1"	12	

400 SERIES - S3 Ø Disc 434 mm - Spool 260 mm - Drum 250 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. ID HYDRAULIC	Art.no. PNEUMATIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	SF1242260	SF2442260	SFID42260	SFPN42260	600 bar **	1/2"(M) 1/2"(F)	1/4"	60	9951
							3/8"	50	
							1/2"	40	
	SF1242261	SF2442261	SFID42261	SFPN42261	100 bar	1"(M)-3/4"(F)	3/4"	20	9986
							1"	15	
AISI 304 STAINLESS STEEL	SX1242260	SX2442260	SXID42260	SXPN42260	200 bar **	1/2"(M) 1/2"(F)	1/4"	60	9963
							3/8"	50	
							1/2"	40	
	SX1242261	SX2442261	SXID42261	SXPN42261	100 bar	1"(M)-3/4"(F)	3/4"	20	9986
							1"	15	



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
S1	434	130	250	358x544x538	670x800x900	23
S2	434	195	250	426x544x538	670x800x900	26
S3	434	260	250	491x544x538	670x800x900	28



500 SERIES - S4 Ø Disc 540 mm - Spool 130 mm - Drum 250 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. ID HYDRAULIC	Art.no. PNEUMATIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	SF1252130	SF2452130	SFID52130	SFPN52130	600 bar **	1/2"(M) 1/2"(F)	1/4"	80	9951
							3/8"	60	
							1/2"	45	
	SF1252131	SF2452131	SFID52131	SFPN52131	100 bar	1"(M)-3/4"(F)	3/4"	22	9986
							1"	12	
AISI 304 STAINLESS STEEL	SX1252130	SX2452130	SXID52130	SXPN52130	200 bar **	1/2"(M) 1/2"(F)	1/4"	80	9963
							3/8"	60	
							1/2"	45	
	SX1252131	SX2452131	SXID52131	SXPN52131	100 bar	1"(M)-3/4"(F)	3/4"	22	9986
							1"	12	



500 SERIES - S5 Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. ID HYDRAULIC	Art.no. PNEUMATIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	SF1252190	SF2452190	SFID52190	SFPN52190	600 bar **	1/2"(M) 1/2"(F)	1/4"	120	9951
							3/8"	90	
							1/2"	70	
	SF1252191	SF2452191	SFID52191	SFPN52191	100 bar	1"(M)-3/4"(F)	3/4"	35	9986
							1"	18	
AISI 304 STAINLESS STEEL	SX1252190	SX2452190	SXID52190	SXPN52190	200 bar **	1/2"(M) 1/2"(F)	1/4"	120	9963
							3/8"	90	
							1/2"	70	
	SX1252191	SX2452191	SXID52191	SXPN52191	100 bar	1"(M)-3/4"(F)	3/4"	35	9986
							1"	18	

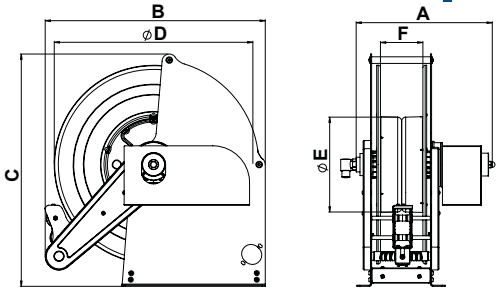


500 SERIES - S6 Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. ID HYDRAULIC	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	SFID52260	600 bar **	1/2"(M) 1/2"(F)	1/4"	180	9951
				3/8"	115	
				1/2"	90	
AISI 304 STAINLESS STEEL	SXID52260	200 bar **	1/2"(M) 1/2"(F)	1/4"	180	9963
				3/8"	115	
				1/2"	90	

ELECTRIC MOTOR FOR SIRIO

Motor	Voltage	Absorption	Power output	Rpm
MS12V	12Vdc	4.5A	55W	4500
MS24V	24Vdc	3.75A	90W	3000



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

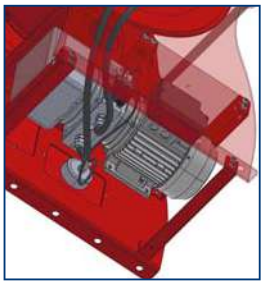
Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
S4	540	130	250	358x594x632	670x800x900	26
S5	540	195	250	426x598x632	670x800x900	28
S6	540	260	250	504x604x632	670x800x900	32

The **GEMINI** model features the use of the hydraulic motor complete with a hydraulic control unit with 12/24 Vdc or 230Vac power supply housed in the base of the hose reel which allows it to keep to a minimum the overall dimensions. The hydraulic power of the motor ensures the guided rewinding of long length hoses and with bigger diameters. It is equipped as standard with NOVATG® hose guide.
NOTE: in this version the rewinding occurs via the use of the hydraulic motor, meanwhile the unwinding of the hose must be done manually.

It can be controlled from a button panel, from a remote control or directly from the complete control panel (see bottom of page)







3 VERSIONS AVAILABLE

- **Painted steel;**
- **Aisi 304;**
- **Aisi 316**

LEGEND

A	NOVATG® hose guide
B1	Swivel joint side base arm
B2	Hydraulic motor side base arm
C	Hydraulic motor
D	Swivel Joint
E	Hose exit side disc/drum assembly
F	Compartment for electro-hydraulic motor

HEAVY DUTY

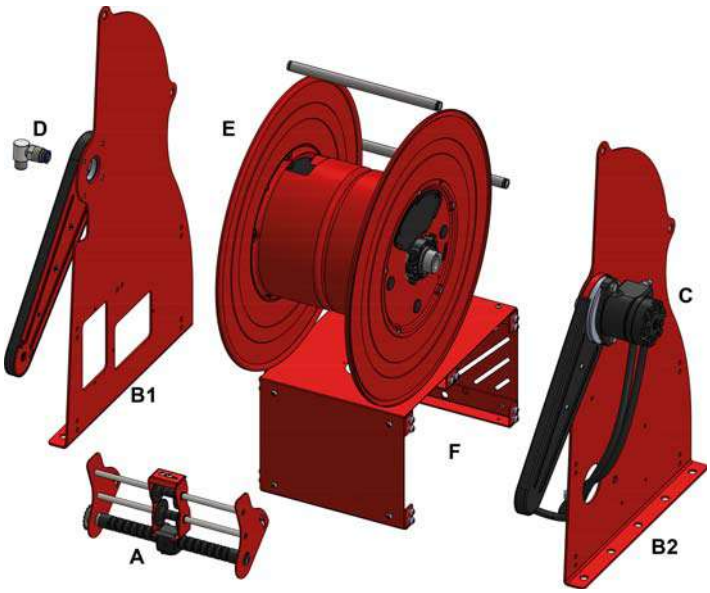
Thanks to the use of the hydraulic motor (C) the GEMINI is capable of easily rewinding hoses of great lengths and dimensions.



F1 – Control unit 12/24Vdc
Art.no. 22024 (24Vdc)
Art.no. 22012 (12Vdc)



F2 – Control unit 230Vac
Art.no. 22023



CONTROLS

BUTTON PANEL OPTIONAL



Art.no. 25103

REMOTE CONTROL OPTIONAL



Art.no. 25101

COMPLETE CONTROL PANEL AS STANDARD



Art.no. 25104 (230Vac)
Art.no. 25105 (12Vdc)
Art.no. 25106 (24Vdc)



500 SERIES - G1 — Ø Disc 540 mm - Spool 195 mm - Drum 250 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. 230 Vac	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	GF1252190	GF2452190	GF2352190	GFSGA52190	600 bar	1/2"(M) 1/2"(F)	1/4"	130	9951
							3/8"	85	
							1/2"	65	
	GF1252191	GF2452191	GF2352191	GFSGA52191	100 bar	1"(M)-3/4"(F)	3/4"	30	9986
							1"	18	
AISI 304 STAINLESS STEEL	GX1252190	GX2452190	GX2352190	GXSGA52190	200 bar	1/2"(M) 1/2"(F)	1/4"	130	9963
							3/8"	85	
							1/2"	65	
	GX1252191	GX2452191	GX2352191	GXSGA52191	100 bar	1"(M)-3/4"(F)	3/4"	30	9986
							1"	18	



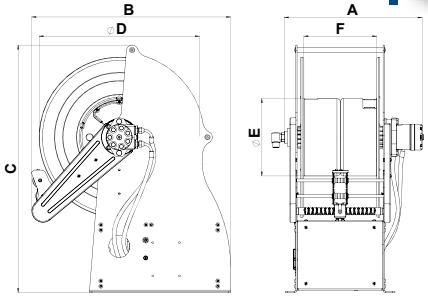
500 SERIES - G2 — Ø Disc 540 mm - Spool 260 mm - Drum 250 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. 230 Vac	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	GF1252260	GF2452260	GF2352260	GFSGA52260	600 bar **	1/2"(M) 1/2"(F)	1/4"	180	9951
							3/8"	115	
							1/2"	90	
	GF1252261	GF2452261	GF2352261	GFSGA52261	100 bar	1"(M)-3/4"(F)	3/4"	40	9986
							1"	25	
AISI 304 STAINLESS STEEL	GX1252260	GX2452260	GX2352260	GXSGA52260	200 bar **	1/2"(M) 1/2"(F)	1/4"	180	9963
							3/8"	115	
							1/2"	90	
	GX1252261	GX2452261	GX2352261	GXSGA52261	100 bar	1"(M)-3/4"(F)	3/4"	40	9986
							1"	25	



600 SERIES - G3 — Ø Disc 600 mm - Spool 260 mm - Drum 335 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. 230 Vac	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	GF1263260	GF2463260	GF2363260	GFSGA63260	600 bar **	1/2"(M) 1/2"(F)	1/4"	200	9951
							3/8"	150	
							1/2"	110	
	GF1263261	GF2463261	GF2363261	GFSGA63261	100 bar	1"(M)-3/4"(F)	3/4"	55	9986
							1"	32	
	GF1263262	GF2463262	GF2363262	GFSGA63262	20 bar	1 1/4"(M)-1 1/4"(M)	1 1/4"	22	9982
	GF1263263	GF2463263	GF2363263	GFSGA63263		1 1/4"(M)-1 1/2"(M)	1 1/2"	15	9983
AISI 304 STAINLESS STEEL	GX1263260	GX2463260	GX2363260	GXSGA63260	200 bar **	1/2"(M) 1/2"(F)	1/4"	200	9963
							3/8"	150	
							1/2"	110	
	GX1263261	GX2463261	GX2363261	GXSGA63261	100 bar	1"(M)-3/4"(F)	3/4"	55	9986
							1"	32	
	GX1263262	GX2463262	GX2363262	GXSGA63262	20 bar	1 1/4"(M)-1 1/4"(M)	1 1/4"	22	9982
	GX1263263	GX2463263	GX2363263	GXSGA63263		1 1/4"(M)-1 1/2"(M)	1 1/2"	15	9983



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
G1	540	195	250	385x670x834	670x800x900	56
G2	540	260	250	450x670x834	670x800x900	63
G3	600	260	335	450x730x894	670x800x900	68

HEAVY DUTY TITANO with reinforced spring

The **TITANO HEAVY DUTY** line was developed with reinforced spring and characterized by robustness and stability, for use in the most demanding applications where hoses up to Ø 1 1/4" / Ø 1 1/2" are required.
It is supplied as standard with manual hose guide but with the possibility of being equipped with an automatic HOVA TG hose guide.
To order the automatic hose guide add **TG** to the reel's code (e.g. TF5340350TG).

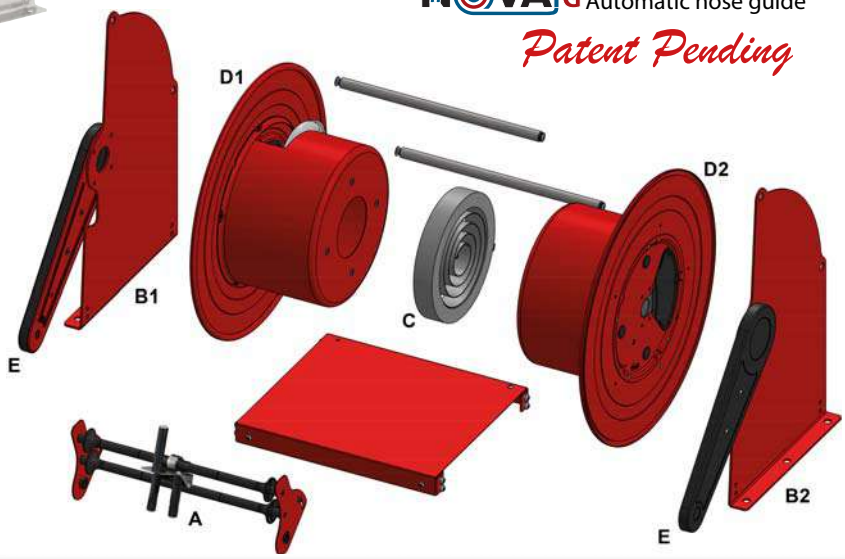




OPTIONAL
HOVA TG Automatic hose guide
Patent Pending

LEGEND

A	Manual hose guide
B1	Swivel joint side base arm
B2	Spring drive side base arm
C	Spring
D1	Hose exit side disc/drum assembly
D2	Spring side disc/drum assembly and carter
E	Guide arm cover

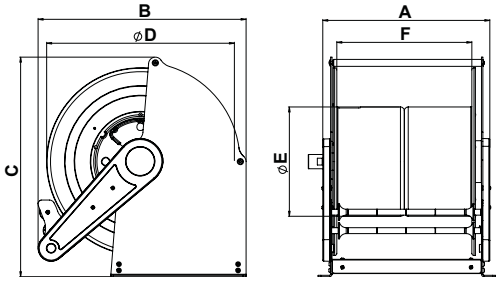


WITH MANUAL HOSE GUIDE



SPRING SERIES - T1 Ø Disc 600 mm - Spool 400 mm - Drum 335 mm

	Art.no. **CON GUIDATUBO MANUALE**	Max. pressure joint	Connection threads IN - OUT	Spring	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	**TF6340351**	100 bar	1"(M)-3/4"(F)	35m	**3/4" - 1"**	**35**	9986
	TF6340202	20 bar	1 1/4"(M)-1 1/4"(M)	20m	**1 1/4"**	**18**	9982
	TF6340203		1 1/4"(M)-1 1/2"(M)		**1 1/2"**	**12**	9983
AISI 304 STAINLESS STEEL	**TX6340351**	100 bar	1"(M)-3/4"(F)	35m	**3/4" - 1"**	**35**	9986
	TX6340202	20 bar	1 1/4"(M)-1 1/4"(M)	20m	**1 1/4"**	**18**	9982
	TX6340203		1 1/4"(M)-1 1/2"(M)		**1 1/2"**	**12**	9983



***) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.**
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

****) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).**

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
T1	600	400	335	481x765x830	670x800x900	40

TITANO HEAVY DUTY line with hydraulic motor suitable for 1 1/4" / 1 1/2" hoses, including 12/24 Vdc (F1) or 230 Vac (F2) Electro-hydraulic control unit , button panel and complete control panel. They stand out for their robustness and stability and are suitable for heavy-duty applications.
NOTE: in this version the rewinding occurs via the use of the hydraulic motor, meanwhile the unwinding of the hose must be done manually.
While the rewinding occurs via the use of the hydraulic motor, the unwinding of the hose must be done manually.
It is supplied as standard with manual hose guide with the possibility of equipping it with NOVA TG® automatic hose guide.
To order the automatic hose guide add **TG** to the reel's code (e.g. TF1252400TG).



Manual hose guide



OPTIONAL
NOVA TG® Automatic hose guide

Patent Pending

3 VERSIONS AVAILABLE

- **Painted steel;**
- **Aisi 304;**
- **Aisi 316**

LEGEND

A	Hose guide
B1	Swivel joint side base arm
B2	Motor side base arm
C	Hydraulic motor
D	Swivel joint
E	Drum and disks assembly
F	Control Unit Housing

HEAVY DUTY

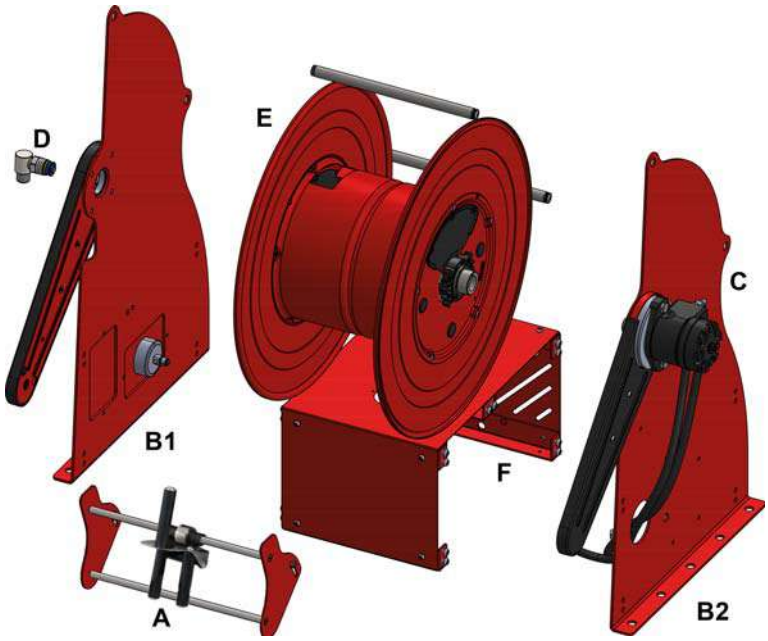
Thanks to the use of the hydraulic motor (C) the GEMINI is capable of easily rewinding hoses of great lengths and dimensions.



Control unit 12/24V
Art.no. 22024 (24Vdc)
Art.no. 22012 (12Vdc)



Control unit 230Vac
Art.no. 22023



CONTROLS

BUTTON PANEL (OPTIONAL)



Art.no. 25103

REMOTE CONTROL (OPTIONAL)



Art.no. 25101

COMPLETE CONTROL PANEL AS STANDARD



Art.no. 25104 (230Vac)
Art.no. 25105 (12Vdc)
Art.no. 25106 (24Vdc)



Manual hose guide.
Standard



Automatic hose guide.
Optional



OPTIONAL
INOVATG®
automatic hose guide.

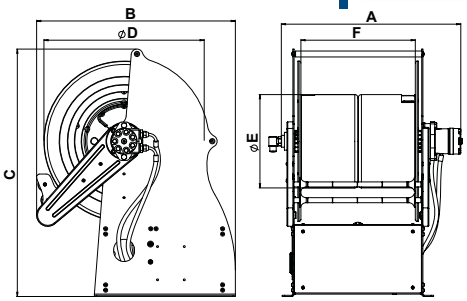
Patent Pending

MOTOR DRIVEN SERIES - T2 Ø Disc 540 mm - Spool 400 mm - Drum 250 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. 230 Vac	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	TF1252400	TF2452400	TF2352400	TFSGA52400	600 bar **	1/2"(M) 1/2"(F)	1/4"	280	9951
							3/8"	180	
							1/2"	130	
	TF1252401	TF2452401	TF2352401	TFSGA52401	100 bar	1"(M)-3/4"(F)	3/4"	80	9986
							1"	40	
AISI 304 STAINLESS STEEL	TX1252400	TX2452400	TX2352400	TXSGA52400	200 bar **	1/2"(M) 1/2"(F)	1/4"	280	9963
							3/8"	180	
							1/2"	130	
	TX1252401	TX2452401	TX2352401	TXSGA52401	100 bar	1"(M)-3/4"(F)	3/4"	80	9986
							1"	40	

MOTOR DRIVEN SERIES - T3 Ø Disc 540 mm - Spool 400 mm - Drum 335 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. 230 Vac	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	TF1253400	TF2453400	TF2353400	TFSGA53400	600 bar **	1/2"(M) 1/2"(F)	1/4"	200	9951
							3/8"	140	
							1/2"	100	
	TF1253401	TF2453401	TF2353401	TFSGA53401	100 bar	1"(M)-3/4"(F)	3/4"	55	9986
							1"	30	
	TF1253402	TF2453402	TF2353402	TFSGA53402	20 bar	1 1/4"(M)-1 1/4"(M)	1 1/4"	20	9982
	TF1253403	TF2453403	TF2353403	TFSGA53403		1 1/4"(M)-1 1/2"(M)	1 1/2"	15	9983
AISI 304 STAINLESS STEEL	TX1253400	TX2453400	TX2353400	TXSGA53400	200 bar **	1/2"(M) 1/2"(F)	1/4"	200	9963
							3/8"	140	
							1/2"	100	
	TX1253401	TX2453401	TX2353401	TXSGA53401	100 bar	1"(M)-3/4"(F)	3/4"	55	9986
							1"	30	
	TX1253402	TX2453402	TX2353402	TXSGA53402	20 bar	1 1/4"(M)-1 1/4"(M)	1 1/4"	20	9982
	TX1253403	TX2453403	TX2353403	TXSGA53403		1 1/4"(M)-1 1/2"(M)	1 1/2"	15	9983



*) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

**) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
T2	540	400	250	586x670x834	670x800x900	70
T3	540	400	335	586x670x834	670x800x900	71



Manual hose guide.
Standard



Automatic hose guide.
Optional



Manual hose guide.
Standard

MOTOR DRIVEN SERIES - T4 Ø Disc 680 mm - Spool 400 mm - Drum 250 mm

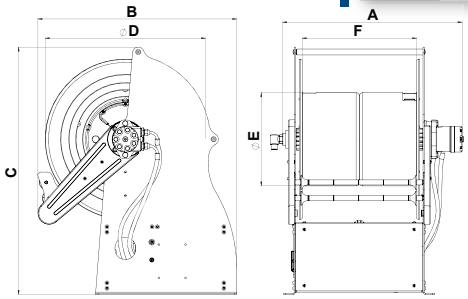
	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. 230 Vac	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	TF1262401	TF2462401	TF2362401	TFSGA62401	100 bar	1"(M)-3/4"(F)	3/4"	130	9986
							1"	75	
AISI 304 STAINLESS STEEL	TX1262401	TX2462401	TX2362401	TXSGA62401	100 bar	1"(M)-3/4"(F)	3/4"	130	9986
							1"	75	

MOTOR DRIVEN SERIES - T5 Ø Disc 680 mm - Spool 400 mm - Drum 335 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. 230 Vac	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	TF1263401	TF2463401	TF2363401	TFSGA63401	100 bar	1"(M)-3/4"(F)	3/4"	100	9986
							1"	65	
	TF1263402	TF2463402	TF2363402	TFSGA63402	20 bar	1 1/4"(M)-1 1/4"(M)	1 1/4"	50	9982
	TF1263403	TF2463403	TF2363403	TFSGA63403		1 1/4"(M)-1 1/2"(M)	1 1/2"	30	9983
AISI 304 STAINLESS STEEL	TX1263401	TX2463401	TX2363401	TXSGA63401	100 bar	1"(M)-3/4"(F)	3/4"	100	9986
							1"	65	
	TX1263402	TX2463402	TX2363402	TXSGA63402	20 bar	1 1/4"(M)-1 1/4"(M)	1 1/4"	50	9982
	TX1263403	TX2463403	TX2363403	TXSGA63403		1 1/4"(M)-1 1/2"(M)	1 1/2"	30	9983

MOTOR DRIVEN SERIES - T6 Ø Disc 680 mm - Spool 600 mm - Drum 335 mm

	Art.no. 12 Vdc	Art.no. 24 Vdc	Art.no. 230 Vac	Art.no. WITHOUT POWER SUPPLY	Max. pressure joint	Connection threads IN - OUT	Max diameter hose	Max length hose (m)	Swivel joint*
PAINTED STEEL	TF1263601	TF2463601	TF2363601	TFSGA63601	100 bar	1"(M)-3/4"(F)	3/4"	180	9986
							1"	90	
	TF1263602	TF2463602	TF2363602	TFSGA63602	20 bar	1 1/4"(M)-1 1/4"(M)	1 1/4"	75	9982
	TF1263603	TF2463603	TF2363603	TFSGA63603		1 1/4"(M)-1 1/2"(M)	1 1/2"	50	9983
AISI 304 STAINLESS STEEL	TX1263601	TX2463601	TX2363601	TXSGA63601	100 bar	1"(M)-3/4"(F)	3/4"	180	9986
							1"	90	
	TX1263602	TX2463602	TX2363602	TXSGA63602	20 bar	1 1/4"(M)-1 1/4"(M)	1 1/4"	75	9982
	TX1263603	TX2463603	TX2363603	TXSGA63603		1 1/4"(M)-1 1/2"(M)	1 1/2"	50	9983



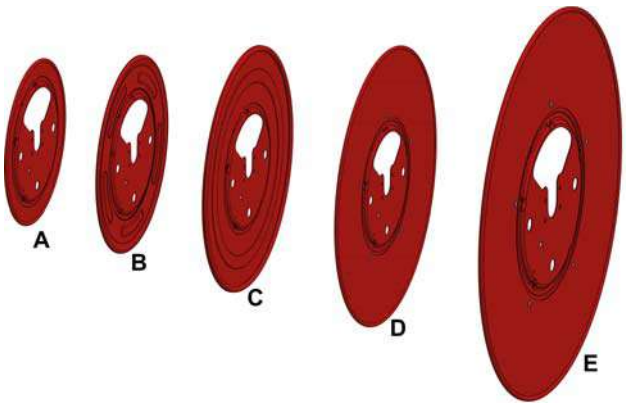
***) The reels in painted steel are equipped with mineral oil compatible swivel joint gaskets. The hose reels in stainless steel come with water-compatible Viton® swivel joint gaskets.**
See pages 263-265 for the complete range of swivel joints with gaskets compatible with other liquids.

****) When ordering, specify whether or not the application implies the use of low pressure hoses (see page 266 regarding the splitting of the roller).**

DIMENSIONS AND PACKAGING

Art.no.	D (mm)	F (mm)	E (mm)	A-B-C (mm)	Packaging dimensions (mm)	Weight (kg)
T4	680	400	250	586x730x894	670x800x900	74
T5	680	400	335	586x730x894	670x800x900	75
T6	680	600	335	786x730x894	750x900x1000	78

FLEXBIMEC hose reels, in addition to the standard versions, can be offered in **custom sizes** to meet specific application needs.



The discs are available in different sizes, including custom made, for all space requirements:

A: Ø 330mm
B: Ø 434mm
C: Ø 540mm
D: Ø 600mm / 660mm
E: Ø 1100mm



On request it is possible to provide a lowered version of the ANDROMEDA models with NOVATG® hose guide, reducing its height **UP TO 5 CM less**.

THIN REEL LINE

SPECIAL HOSE REELS

The **Thin Reel line** was developed to manage hoses where there is a need to work in limited spaces.
The innovative construction design makes the hose reel particularly suitable for applications with limited space availability.

The reels are designed with a single guide arm to be able to be allocated in small spaces.



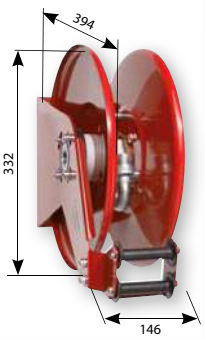
Art.no. **9504**

Automatic rewind, spring-driven hose reel, **series THIN REEL,** in painted steel, suitable for hoses of max 8 m length (ø hose 1/2") or max 15 m length (ø hose 1/4").

The hose reel is supplied without hoses and can be used with hoses for the supply of **oils, grease and compressed air.**

Art.no. **9505**

Same as art.no. 9504, but equipped with wetted parts in stainless steel AISI 304, for the use with **AdBlue®/DEF/AUS32, water, antifreeze, compressed air and water-based fluids, at low pressure.**





THIN REEL 300 SERIES — Ø Disc 332 mm - Spool 75 mm

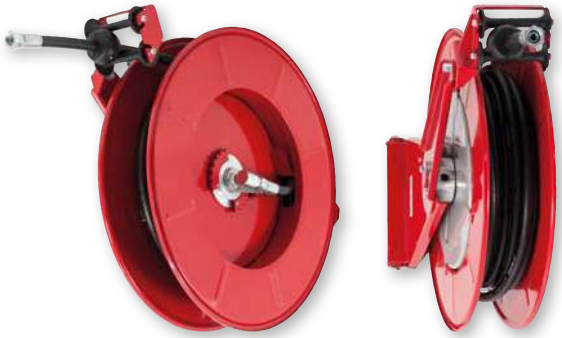
PAINTED STEEL

Art.no.	Max working pressure	Connection threads IN - OUT	Max diameter hose	Max length hose 1/2" – 1/4" (m)	Material wetted parts	Weight (kg)	Packaging dimensions (mm)
9504	100 bar	1/2" (F) – 1/2" (M)	**1/2"**	**8 - 15**	Brass	9	600x510x270
9505	15 bar				Stainless steel AISI 304		



Art.no. **9060**

Automatic rewind, **spring-driven** hose reel, **series THIN REEL,** in painted steel, suitable for hoses of max 25 m length (ø hose 1/2").
This hose reel is equipped with a swivelling bracket which allows a rotation of 90° so that a laterally installed reel can be used then forward-facing and can be repositioned easily again after use.



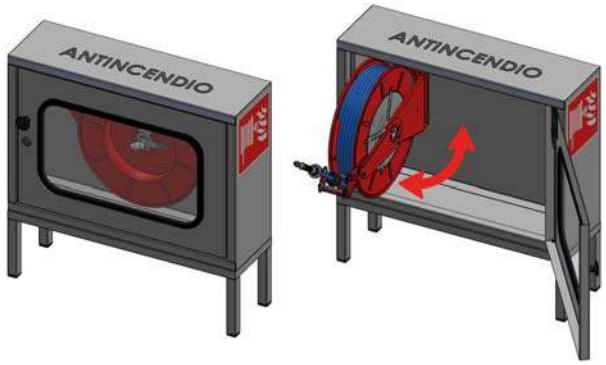


Art.no. **9060M**

Automatic rewind, **manual-driven** hose reel, **series THIN REEL,** in painted steel, suitable for hoses of max 25 m length (ø hose 1/2").
This hose reel is equipped with a swivelling bracket which allows a rotation of 90° so that a laterally installed reel can be used then forward-facing and can be repositioned easily again after use.



Example of enclosed spece application. The reel is easily adjustable thanks to the pivotig wall bracket.



THIN REEL 500 SERIES — Ø Disc 540 mm - Spool 120 mm

PAINTED STEEL

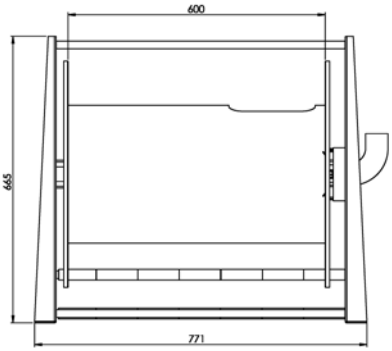
Art.no.	Max working pressure	Internal diameter swivel joint	Max diameter hose	Max length hose (m)	Swivel joint	Dimensions (mm)	Weight (kg)	Packaging dimensions (mm)
9060	200 bar	12 mm	**1/2"**	**25**	9952	150x540x580	14	630x590x280
9060M							13	

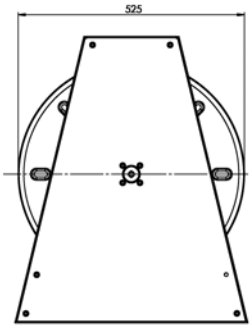
Art.no. **9078**

Automatic rewind, spring-driven hose reel, in painted steel, provided for the suction of air or dust through suitable hoses with int. ø 50 mm (2") and a max length of 20 m. The hose reel is supplied without hose.

On demand the required hoses are also available.







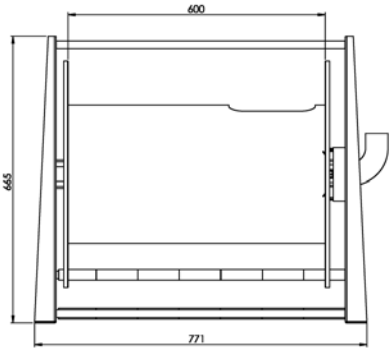
Art.no.	Connection IN - OUT	Hose reel material	Weight	Dimensions (LxWxH) (mm)
9078	Int. ø 50 mm	Carbon steel	40 kg	600 x 700 x 800

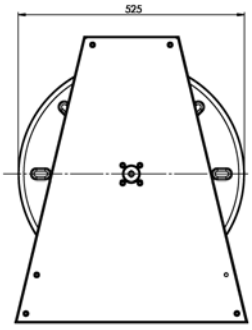
Art.no. **9578**

Automatic rewind, spring-driven hose reel, in stainless steel AISI 304, provided for the suction of air or dust through suitable hoses with int. ø 50 mm (2") and a max length of 20 m. The hose reel is supplied without hose.

On demand the required hoses are also available.



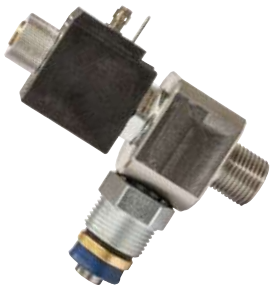




Art.no.	Connection IN - OUT	Hose reel material	Weight	Dimensions (LxWxH) (mm)
9578	Int. ø 50 mm	Stainless steel AISI 304	40 kg	600 x 700 x 800



Art.no. **9951**



Art.no. **9951/RF**



Art.no. **9952**



Art.no. **9953**

90° - high pressure swivel joints in galvanized steel for the use with painted hose reel models for hoses up to 1/2".

Art.no. **9951** Recommended for usual pressure applications with grease or oils (this is the standard swivel joint mounted on all painted steel hose reels for the use with grease up to 1/2").

Art.no. **9951/RF** Recommended for oil and grease with integrated electric normally closed valve. Power supply voltage 12Vdc or 24Vdc.

Art.no. **9952** Recommended for applications with mineral oils and compressed air (this is the standard swivel joint mounted on all painted steel hose reels for the use with oils up to 1/2").

Art.no. **9953** Recommended for applications with glycol and brake fluid.

Art. no.	Connection threads IN - OUT	Max working pressure	Max temperature	Internal diameter inlet swivel joint	Gaskets
9951	1/2" BSP (M)	600 bar	60° C	10 mm	PUR
9951/RF		250 bar			
9952	1/2" BSP (M)	200 bar	60° C	12 mm	PUR
9953	1/2" BSP (M)	200 bar	150° C	10 mm	EPDM





High pressure swivel joint, 90° - type, in galvanized steel, with ball valve, self-lubricating.

Art. no.	Connection threads	Max static pressure	Max flow rate
SJ9004	3/4" BSP	310 bar	120 l/min
SJ9005	1" BSP	280 bar	150 l/min
SJ9006	1 1/4" BSP	250 bar	200 l/min
SJ9007	1 1/2" BSP	210 bar	250 l/min
SJ9009	2" BSP	180 bar	300 l/min

High pressure swivel joint, straight type, in galvanized steel, with ball valve, self-lubricating.

Art. no.	Connection threads IN - OUT	Max static pressure	Max dynamic pressure	Max flow rate
6692	3/4" BSP (M) - 3/4" BSP (F)	310 bar	200 bar	120 l/min



Art.no. **2107/11**



Art.no. **2107/10**



Art.no. **2107/09**



Art.no. **2107/35**



Art.no. **2107/34**

Straight low pressure swivel joints in brass / free cutting steel. Recommended for applications with oils, diesel and compressed air.

Art. no.	Connection threads IN - OUT	Max working pressure	Max temperature	Internal diameter inlet swivel joint	Gaskets
2107/34	3/4" BSP (M) - 1" BSP (F)	20 bar	60° C	20 mm	NBR
2107/35	3/4" BSP (M) - 1" BSP (M)	20 bar	60° C	20 mm	NBR
2107/09	1" BSP (M) - 1" BSP (M)	20 bar	60° C	20 mm	NBR
2107/10	1" BSP (M) - 1" BSP (F)	20 bar	60° C	20 mm	NBR
2107/11	1 1/4" BSP (M) - 1" BSP (M)	20 bar	60° C	25 mm	NBR



Art.no. **9964**



Art.no. **9955**



Art.no. **9961**
Art.no. **9962**



Art.no. **9967**



Art.no. **9963**

90° - high pressure swivel joints in stainless steel for the use with hose reel models for hoses up to 1/2".
Recommended for applications with water, AdBlue®/DEF/AUS32, glycol, other fluids compatible with this type of steel and compressed air.
The standard swivel joint mounted on all stainless steel hose reels in 1/2" is art. no. 9963.

Art. no.	Connection threads IN - OUT	Max working pressure	Max temperature	Internal diameter inlet swivel joint	Gaskets	Material swivel joint body
9955	M 22 x1.5	200 bar	150° C	10 mm	EPDM	Stainless steel AISI 303
9961	1/2" BSP (M)	400 bar	200° C	10 mm	FPM	Stainless steel AISI 303
9962	1/2" BSP (M)	400 bar	200° C	10 mm	FPM	Stainless steel AISI 316
9963	1/2" BSP (M)	200 bar	150° C	10 mm	EPDM	Stainless steel AISI 303
9964	1/2" BSP (F)	200 bar	150° C	10 mm	EPDM	Stainless steel AISI 303
9966	1/2" BSP (M)	600 bar	200° C	10 mm	FPM	Stainless steel AISI 303
9967	1/2" BSP (M)	200 bar	150° C	12 mm	EPDM	Stainless steel AISI 303

Explanation:
EPDM: Etilene Propylene Diene Monomer
FPM: GFluoro rubber (Viton®)
FFKM: Perfluorinated rubber (Kalrez®)
PUR: Polyester Urethane rubber (Vulkollan®)



Art.no. **9987**
Art.no. **9981**



Art.no. **9986**

90° - high pressure swivel joints in stainless steel for the use with hose reel models for hoses up to 1".
Recommended for applications with water, AdBlue®/DEF/AUS32, glycol, other fluids compatible with this type of steel and compressed air.
The standard swivel joint mounted on all stainless steel and painted hose reels in 1" is art. no. 9986.



Art. no.	Connection threads IN - OUT	Max working pressure (*)	Max temperature	Internal diameter inlet swivel joint	Gaskets	Material swivel joint body
9986	1" BSP (M)	100 bar	100° C	20 mm	FPM	Stainless steel AISI 303
9987	1" BSP (M)	100 bar	100° C	22 mm	FFKM	Stainless steel AISI 303
9981	1" BSP (M)	100 bar	100° C	22 mm	FFKM	Stainless steel AISI 316

(*) Static pressure

Explanation:
EPDM: Etilene Propylene Diene Monomer
FPM: GFluoro rubber (Viton®)
FFKM: Perfluorinated rubber (Kalrez®)
PUR: Polyester Urethane rubber (Vulkollan®)



Art.no. **9988**



Art.no. **9989**

Interchangeable fluid shaft suitable for installation in hose reels in dimension Ø 1/2".
They are available in galvanized and stainless steel AISI 304. In combination with the swivel joints of catalogue pages 216 and 218 they enable the use of a painted steel hose reel model also for fluids that require wetted parts in stainless steel (f. ex. water, AdBlue®/DEF/AUS32), just by changing the components which are in contact with the fluid.

Stainless steel bended pipes with M 1/2" outlet to facilitate the mounting of the hose and for a smoother fluid output, avoiding bottlenecks.

Art.no. **9989/L**
for hose reels with Ø 320 mm internal drum diameter.

Art.no. **9989/C**
for hose reels with Ø 264 mm internal drum diameter.



Art.no. **9989/L** Art.no. **9989/C**



Art. no.	Inlet connection thread	Outlet connection thread	Internal diameter inlet swivel joint	Material swivel joint body
9988	3/4" BSP (F)	1/2" BSP (M)	12 mm	Galvanized steel
9989	3/4" BSP (F)	1/2" BSP (M)	12 mm	Stainless steel AISI 304



Art.no. **9991**
Art.no. **9992**
Art.no. **9993**
Art.no. **9994**
Art.no. **1093**
Art.no. **1094**



Art.no. **1190**
Art.no. **1191**
Art.no. **1192**
Art.no. **1190L**
Art.no. **1191L**
Art.no. **1192L**

TOWER CONNECTION





90° degrees curve with hinge for Ø 1" hose reel for an easy connection of the hose and facilitate the fluid flow without bottlenecks.
This new model allows you to mount the bend directly on the hose's thread, fasten it on the hinge and assemble it on the hose reel.
Available in galvanized steel and AISI 304 stainless steel, which, combined to the swivel joints, also allow the use of painted hose reels in applications where the fluid requires passages in stainless steel (e.g. water, AdBlue®/DEF/AUS32, etc.). They are available in different heights for hose reels with drum diameter 250mm or 335mm.

Art.no. for Drum 250 mm	Art.no. for Drum 335 mm	IN connection	OUT connection	Ø	Material
9991	**9991L**	F 1" BSP	M 3/4" BSP	19 mm	GALVANIZED STEEL
9992	**9992L**	F 1" BSP	M 1" BSP	19 mm	GALVANIZED STEEL
9993	**9993L**	F 1" BSP	M 3/4" BSP	19 mm	GALV. STEEL/ANOD. ALUMINUM
9994	**9994L**	F 1" BSP	M 1" BSP	19 mm	GALV. STEEL/ANOD. ALUMINUM
1093	**1093L**	F 1" BSP	M 3/4" BSP	19 mm	AISI 304 STAINLESS STEEL
1094	**1094L**	F 1" BSP	M 1" BSP	19 mm	AISI 304 STAINLESS STEEL
1190	**1190L**	F 3/4" BSP	M 1/2" BSP	12 mm	AISI 304 STAINLESS STEEL
1191	**1191L**	F 3/4" BSP	M 3/8" BSP	12 mm	AISI 304 STAINLESS STEEL
1192	**1192L**	F 3/4" BSP	M 1/4" BSP	12 mm	AISI 304 STAINLESS STEEL



Art.no. **9996**



Art.no. **9996L**



Art.no. **9997**



Art.no. **9997L**

GOOSENECK



"Goose neck" bend with hinge for an easy connection of the hose and facilitate the fluid flow without bottlenecks.
Available in galvanized steel and AISI 304 stainless steel, which, combined to the swivel joints, also allow the use of painted hose reels in applications where the fluid requires passages in stainless steel (e.g. water, AdBlue®/DEF/AUS32, etc.).

Art.no. **9996-9997** for hose reel with 250 mm drum.
Art.no. **9996L-9997L** for hose reel with 335 mm drum.

Art.no.	IN connection	OUT connection	Ø	Material
9996	F 1" BSP	M 3/4" BSP	19 mm	AISI 304 STAINLESS STEEL
9997	F 1" BSP	M 1" BSP	20 mm	AISI 304 STAINLESS STEEL
9996L	F 1" BSP	M 3/4" BSP	19 mm	AISI 304 STAINLESS STEEL
9997L	F 1" BSP	M 1" BSP	20 mm	AISI 304 STAINLESS STEEL



Art.no. **9983**



Art.no. **9982L**

ROLLER SPHERE

Stainless steel swivel joints for Ø 1 1/4" and Ø 1 1/2" hose reels with fixed hinge and swivel support with built-in curve.

Art.no. **9982L** for hose reel with 335 mm drum.



Art.nos. **9983** e **9982L** are joints inside the roller with a fixed hinge.

Art.nos. **9959** and **9960** are swivel joints with external application and rotation of the joint itself.



Art.no. **9959**



Art.no. **9960**

Art.no.	IN connection	OUT connection	P. Max	T. Max	Ø	Gasket	Pin length	Material
9983	M 1 1/4" BSP	M 1 1/2" BSP	20 bar	100° C	33 mm	Viton® NBR	80 mm	AISI 304
9982L	M 1 1/4" BSP	M 1 1/4" BSP	20 bar	100° C	26 mm	Viton® NBR	80 mm	AISI 304
9959	M 1 1/2" BSP	M 1 1/4" BSP	20 bar	100° C	25 mm	Viton® NBR	75 mm	AISI 304
9960	M 1 1/2" BSP	M 1 1/2" BSP	20 bar	100° C	32 mm	Viton® NBR	75 mm	AISI 304

The range of **FLEXBIMEC** reels is made in two different versions depending on the type of hose mounted in the drum:
- **Short gap roller** (standard, provides a 90° bend of the hose).
- **Long gap roller** (requires assembly of the hose aligned with the drum without bending).

Where high pressure hoses (with metal braid) are used, it is recommended to choose the roller with
Short gap, meanwhile, to fit low pressure hoses (with textile braid), choose the roller with long gap and Tower Connection curve which permit to align the hose on the drum without causing bottlenecks.

SHORT GAP DRUM

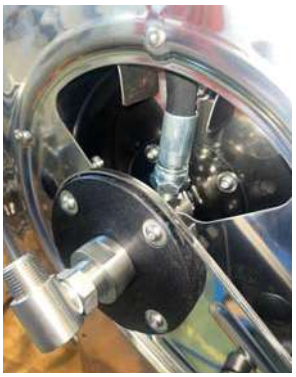
Standard for hoses up to 1/2" at high pressure



The hose is mounted directly
on the hinge via an adapter (nipples):
in this way the hose is bent 90°.
Indicate the diameter of the hose.







LONG GAP DRUM

Standard for 1/4" up to 1" low pressure hoses



The hose reel is supplied with the curve TOWER CONNECTION
to allow the hoses to align correctly, avoiding bending
and bottlenecks.
Indicate the diameter of the pipe.





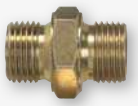
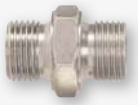


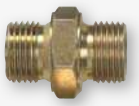
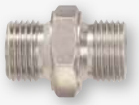


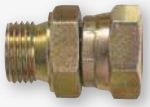
Art.no. 9862 Adapter for joint
Ø 1/2" from
mount on Ø 1" pin.

WHEN ORDERING HOSE REELS FOR HOSE APPLICATIONS AT LOW PRESSURE IT IS NECESSARY TO INDICATE THE DRUM MODEL WITH LONG GAP BP + THREAD DIAMETER.

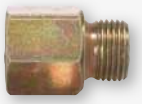
Example: AF4213150BP (low pressure version).

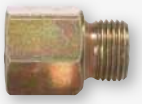
Art. no.	Thread dimensions	Thread type	Description	Type
4223	1/4″ x 1/4″	**BSP**	Double male connection adapter in galvanized steel.	
9910	1/2″ x 1/2″			
9911	1/2″ x 3/8″			
9912	1/2″ x 1/4″			
9915	1/2″ x 3/4″			
9924	1″ x 3/4″			
9925	3/4″ x 3/4″			
9927	1″ x 1″			
9928	1' x 1/2″			
9999	1 1/4"x 1″			
9908	1/2″ x 1/2″	**BSP**	Double male connection adapter in stainless steel.	
9909	1/2″ x 3/8″			
9907	1/2″ x 3/4″			
9917	3/4″ x 3/4″			
9920	1″ x 1″			
9919	1/2″ - 22x1,5			

Art. no.	Thread dimensions	Thread type	Description	Type
4223N	1/4″ x 1/4″	**BSP - NPT**	Double male connection adapter in galvanized steel.	
9910N	1/2″ x 1/2″			
9911N	1/2″ x 3/8″			
9912N	1/2″ x 1/4″			
9915N	1/2″ x 3/4″			
9924N	1″ x 3/4″			
9904N	3/4″ x 3/4″			
9927N	1″ x 1″			
9928N	1' x 1/2″			
9999N	1 1/4"x 1″			
9908N	1/2″ x 1/2″	**BSP - NPT**	Double male connection adapter in stainless steel.	
9909N	1/2″ x 3/8″			
9907N	1/2″ x 3/4″			
9917N	3/4″ x 3/4″			
9920N	1″ x 1″			
9919N	1/2″ - 22x1,5			

Art. no.	Thread dimensions	Thread type	Description	Type
4229	1/4″ x 1/4″	**BSP**	Male – Female swivel connection adapter in galvanized steel.	
9901	1/2″ x 1/2″			

Art. no.	Thread dimensions	Thread type	Description	Type
4229N	1/4″ x 1/4″	**BSP - NPT**	Male – Female swivel connection adapter in galvanized steel.	
9901N	1/2″ x 1/2″			

Art. no.	Thread dimensions	Thread type	Description	Type
4231	1/4″ x 1/4″	**BSP**	Male – Female connection adapter in galvanized steel.	
9905	1/2″ x 1/4″			
9906	1/2″ x 3/8″			
9902	1/2″ x 1/2″			
9903	1/2″ x 3/4″			
9916	1/2″ x 1/2″	**BSP**	Female – Female connection adapter in galvanized steel.	

Art. no.	Thread dimensions	Thread type	Description	Type
4231N	1/4″ x 1/4″	**BSP - NPT**	Male – Female connection adapter in galvanized steel.	
9905N	1/2″ x 1/4″			
9906N	1/2″ x 3/8″			
9902N	1/2″ x 1/2″			
9903N	1/2″ x 3/4″			
9916N	1/2″ x 1/2″	**BSP - NPT**	Female – Female connection adapter in galvanized steel.	

Art. no.	Thread dimensions	Thread type	Description	Type
4232	1/4″ x 1/4″	**BSP**	90°- curved Male – female connection adapter, in galvanized steel.	
9939	1/2″ x 1/2″			

Art. no.	Thread dimensions	Thread type	Description	Type
4232N	1/4″ x 1/4″	**BSP - NPT**	90°- curved Male – female connection adapter, in galvanized steel.	
9939N	1/2″ x 1/2″			

Hydraulic quick couplings and quick connectors male/female with BSP or NPT – connection threads.

Art. no. M + F	Art. no. M	Art. no. F	Thread dimension	Thread type	Type
4222	**4222M**	**4222F**	1/4"	**BSP**	
2261	**2261M**	**2261F**	1/2"		
2262	**2262M**	**2262F**	3/8"		
2263	**2263M**	**2263F**	3/4"		
2264	**2264M**	**2264F**	1"		

Art. no. M	Art. no. F	Thread dimension	Thread type	Type
4222M/NPT	**4222F/NPT**	1/4"	**NPT**	
2261M/NPT	**2261F/NPT**	1/2"		
2262M/NPT	**2262F/NPT**	3/8"		
2263M/NPT	**2263F/NPT**	3/4"		
2264M/NPT	**2264F/NPT**	1"		



High pressure rubber hoses in accordance with SAE 100 R1AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **oils** and **diesel** at high pressure.

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 1 steel wire braided, highly resistant layer.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
37XX	3/8"	10 mm	17.4 mm	180 bar	720 bar	130 mm	-40/+100°C	0.33 kg/m
287XX	1/2"	12.7 mm	20.6 mm	160 bar	640 bar	180 mm	-40/+100°C	0.43 kg/m
289XX	3/4"	19.0 mm	27.7 mm	105 bar	420 bar	240 mm	-40/+100°C	0.61 kg/m
2895XX	1"	25.4 mm	35.6 mm	88 bar	350 bar	300 mm	-40/+100°C	0.94 kg/m

XX= stands for the required hose length in meters (f. ex. 287**15** = 15 m)



High pressure rubber hoses in accordance with SAE 100 R2AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **grease** and **water** at high pressure.
Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 2 steel wire braided, highly resistant layers.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
45XX	1/4"	6.4 mm	15 mm	400 bar	1600 bar	100 mm	-40/+100°C	0.36 kg/m
47XX	3/8"	9.5 mm	19 mm	330 bar	1320 bar	130 mm	-40/+100°C	0.53 kg/m
48XX	1/2"	12.7 mm	22.2 mm	275 bar	1100 bar	180 mm	-40/+100°C	0.63 kg/m
488XX	3/4"	19 mm	29.3 mm	215 bar	850 bar	240 mm	-40/+100°C	0.92 kg/m
4885XX	1"	25.4 mm	38.1 mm	165 bar	650 bar	300 mm	-40/+100°C	1.38 kg/m

XX= stands for the required hose length in meters (f. ex. 45**15** = 15 m)



High pressure, **blue antistaining rubber hoses,** in accordance with SAE 100 R2AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **water** at high pressure (f. ex. in combination with high pressure cleaners).

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 2 steel wire braided, highly resistant layers.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
46XXAM	5/16"	7.9 mm	15 mm	400 bar	1600 bar	85 mm	-10/+160°C	0.36 kg/m
47XXAM	3/8"	9.5 mm	18 mm			90 mm		0.46 kg/m
48XXAM	1/2"	12.7 mm	22.2 mm			100 mm		0.63 kg/m

XX= stands for the required hose length in meters (f. ex. 46**15AM** = 15 m)



Low pressure rubber hoses in accordance with SAE 100 R6 – DIN EN 854, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **diesel** and **water** at low pressure.
Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 1 textile braided and 1 steel wire braided layer.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
288XX	3/4"	19 mm	26 mm	10 bar	97 bar	140 mm	-40/+100°C	0.32 kg/m
2896XX	1"	25 mm	32 mm	10 bar	97 bar	152 mm	-40/+100°C	0.43 kg/m
2897XX	1 1/4"	32 mm	43 mm	10 bar	40 bar	185 mm	-40/+100°C	1.02 kg/m
28997XX	1 1/2"	38 mm	50 mm	10 bar	40 bar	225 mm	-40/+100°C	1.60 kg/m

XX= stands for the required hose length in meters (f. ex. 288**15** = 15 m)



Low pressure synthetic rubber hoses with swaged female BSP connection threads (swivel nuts) in brass (on demand also in stainless steel), suitable for the use with **hot water** in food industry applications.
Internal structure white, food industry – qualified synthetic rubber, coating in blue rubber highly resistant to abrasion, heat, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. In accordance with FDA food industry standards.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
187XX	1/2"	12 mm	22 mm	10 bar	30 bar	100 mm	-30/+120°C	0.3 kg/m
189XX	3/4"	19 mm	31 mm			112 mm		0.7 kg/m
1896XX	1"	25 mm	266 mm			152 mm		0.9 kg/m

XX= stands for the required hose length in meters (f. ex. 187**15** = 15 m)



Low pressure hoses in hydrocarbon resistant black rubber with swaged female BSP connection threads (swivel nuts), suitable for the use with **petrol, unleaded petrol and diesel** in accordance with norm **EN 1360 type 1 ISO 1307.**
Smooth internal structure in black nitrile rubber, resistant to hydrocarbons. Cover in conductive black rubber, highly resistant to oils, abrasion, ozone and atmospheric influences. Reinforcement with high tenacity textile inserts and antistatic copper cord

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
2861XX	1/2"	12.7 mm	21.5 mm	16 bar	48 bar	50 mm	-30/+55°C	0.29 kg/m
2863XX	3/4"	19 mm	29 mm			95 mm		0.48 kg/m
2864XX	1"	25.4 mm	36.5 mm			130 mm		0.69 kg/m

XX= stands for the required hose length in meters (f. ex. 2861**15** = 15 m)



Low pressure hoses in hydrocarbon resistant black rubber with swaged female BSP connection threads (swivel nuts), suitable for the use with **fuels** and **petrol** in accordance with **norm EN 1761**.
Smooth internal structure in black rubber, resistant to hydrocarbons with an aromatic content of not more than 60 % and unleaded petrol with a max MTBE - content of 5 %. Cover in conductive black rubber, highly resistant to abrasion, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. Resistant to inflammability in accordance with code of practice for flammable fluids TRbF 131, part 2, no. 5.5.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
2894XX	1"	25 mm	38 mm	18 bar	81 bar	182 mm	-30/+70°C	0.85 kg/m

XX= stands for the required hose length in meters (f. ex. 2894**15** = 15 m)



Low pressure synthetic EPDM rubber hoses with swaged female BSP connection threads (swivel nuts) in stainless steel, suitable for the use with **AdBlue®/DEF/AUS32, water at low and high temperatures, chemical fluids, acids, glycol and compressed air** at low pressure. Internal structure in conductive black rubber, cover in black rubber, highly resistant to abrasion, heat, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. In accordance with norm BS 2050:1978.

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
2898XX	1/2"	13 mm	21 mm	20 bar	60 bar	100 mm	-40/+120°C	0.26 kg/m
2899XX	3/4"	19 mm	30 mm			112 mm		0.57 kg/m

XX= stands for the required hose length in meters (f. ex. 2898**15** = 15 m)



Low pressure, blue PVC – hoses with swaged female BSP connection threads (swivel nuts) in brass, suitable for the use with **compressed air** and **water** at low pressure.
Reinforcement with highly break resistant polyester cord.

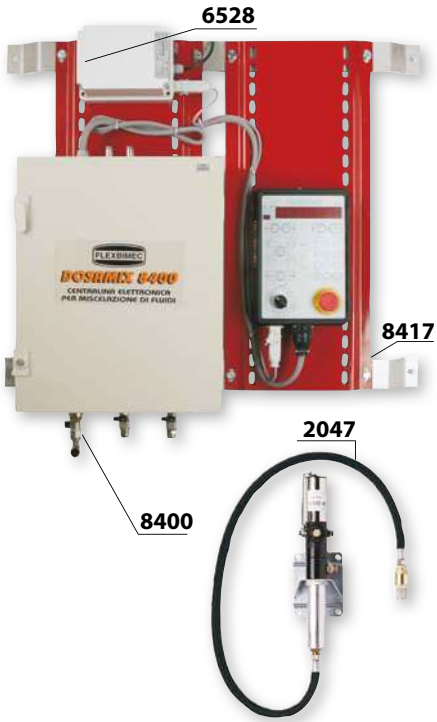
Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
38XX	3/8"	10 mm	16.5 mm	40 bar	120 bar	30 mm	-15 / +50°C	0.19 kg/m
277XX	1/2"	13 mm	20 mm	40 bar	120 bar	40 mm	-15 / +50°C	0.25 kg/m
399XX	3/4"	19 mm	28 mm	40 bar	120 bar	75 mm	-15 / +50°C	0.47 kg/m
3995XX	1"	25 mm	36 mm	40 bar	120 bar	110 mm	-15 / +50°C	0.84 kg/m

XX= stands for the required hose length in meters (f. ex. 38**15** = 15 m)

DOSAMIX – System for the dosing and proportional, automated mixing of antifreeze, lubricating oils or emulsions.

The system is basing upon the proportional dosing - regulated by solenoid valves - of two fluids that shall be mixed and whose flow is measured by two meters with pulse transmitters which are monitored by the electronic control unit that keeps a constant balance of the preset mixture percentages. The electronic control allows to adapt the configuration exactly to the individual installation requirements.

The system offers the following benefits:
- Wide range of presettable mixture percentages from 0.5 % - 50 % with a high accuracy of +/- 0.5 %.
- Constant concentrations with the possibility to store and to monitor 8 different mixing degrees.
- Manual dispense or dispense of preset quantities by using a keyboard or automatically through pulses activated by installed level gauges (min. – max) installed in the storage containers of the mixed fluids.
- Optional use of "CONTINOUS" mode or "TIME PRESET" mode from min. 1 min. up to 12 hours.
- Automatic pump stop by means of installed level gauges which give a signal to interrupt the pump function as soon as the minimum level in the storage container of the mixed fluid has been reached.
- Monitoring by means of the "REPORT" function which starts the print of statistics comparing the really achieved dosage values with the preset values of all the preset transactions.



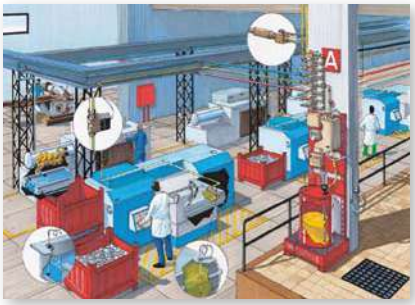
Art.no. **8403**

Kit **DOSAMIX** suitable for the mixture of a fluid with water in concentrations from 0.5 % until 50 %.

The kit is composed of:
- Mixing unit with keypad, art. no. 8400
- Wall mounting bracket, art. no. 8417
- Transformer / stabilizer 230 VAC – 24 VDC for the power supply, art. no. 6528
- 1:1 - pneumatic pump, art. no. 2047.

The fluids must enter into the mixing unit with a pressure of min. 3 bar. In the standard version only 1 pump is included, so that it is necessary to make sure that the second fluid to be mixed is dispensed with sufficient pressure, otherwise another pump must be provided in the installation.







Art.no. **8407**
The installation of the kit DOSAMIX on the mounting shelves of series Tank Service Base permit to create an autonomous unit for the mixture of a fluid with water in concentrations from 0.5 % until 50 %.

The kit is composed of:

- Mixing unit with keypad, art. no. 8400
- Transformer / stabilizer 230 VAC – 24 VDC for the power supply, art. no. 6528
- 1:1 - pneumatic pump, art. no. 2047
- Mounting shelf with spill containment pallet, art. no. 8525.

Art.no. **8415**

Storage kit for the ready mixed fluids, consisting of a double wall storage tank with 400 l capacity (art. no. 8217/400), a 1:1 - pneumatic pump with a delivery of approx. 25 l/min, a high level and a low level probe.
The kit is supposed to be installed in between the mixing unit DOSAMIX and the dispensing point. Like that it serves as an intermediate storage container for the required, mixed fluid and it helps to increase the efficiency for refilling since the pump guarantees a fast dispense to the dispensing point.

Art.no. **8415**



Art.no. **6643**
Non-return valve, prevents the reflow of the fluid into the main pipe.

Fluid pipework that leads to storage containers of which each can have a different percentage of the mixed fluids.

Kit **8413**
Level indication kit, consisting of solenoid-actuated shut-off valve and probe with high and low level sensor. When the preset minimum level in the storage containers has been reached, a fluid dispense from the mixing unit will automatically be started. As soon as the maxmum level has been reached, the flow will automatically be stopped again.

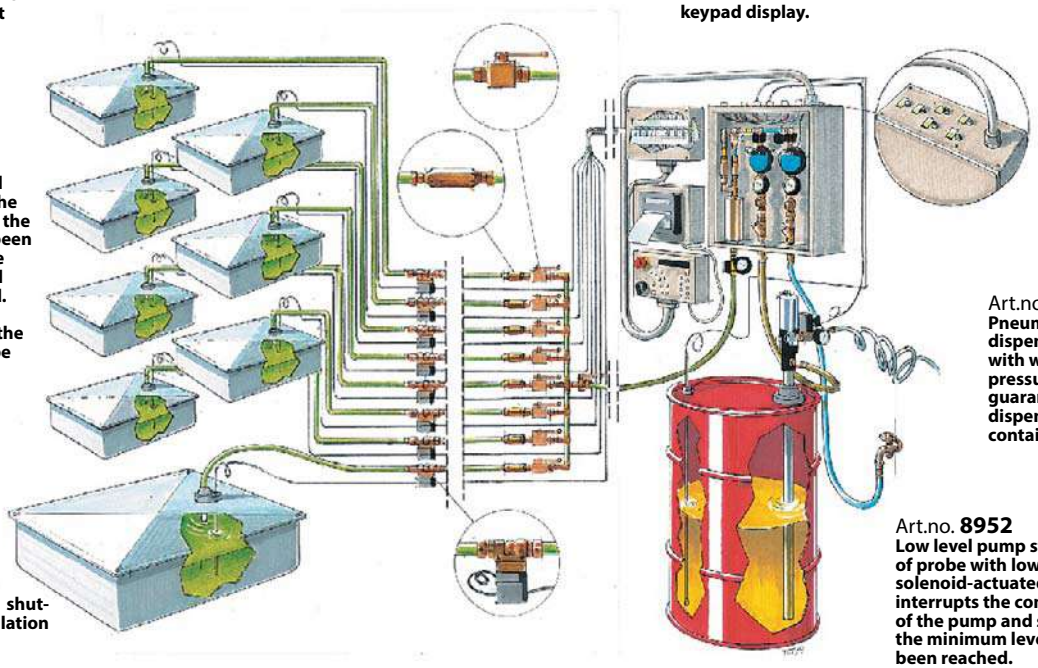
Art.no. **7344**
Solenoid-actuated shut-off valve for the regulation of the fluid flow.

Art.no. **7240**
Ball valve; enables or prevents the required fluid mixture to enter into the corresponding pipe.

Art.no. **8601**
Ticket printer; allows to compare the real dispensed values with the preset values and control all dispenses.

Art.no. **8400**
Electronic control keypad for mixing unit; serves for the adjustment of all functions. The dispenses can be activated manually, via remote control or by preset function. The figures can be controlled on the keypad display.

Art.no. **8408**
Electric signals distributor; allows to expand the mixing unit to handle up to 8 containers with different fluid concentration percentages.



Art.no. **8400**
Electronic mixing unit; two fluids can be mixed proportionally in constant concentration percentages.

Switchboard with cable connections to receive the electronic signals; serves for the control of the filling levels, of the fluid flows, of the solenoid shut-off valves and of the pump.

Art.no. **2047**
Pneumatic pump; serves for the dispense of the fluid to be mixed with water and to keep sufficient pressure in the pipework to guarantee an immediate fluid dispense into the storage containers when required.

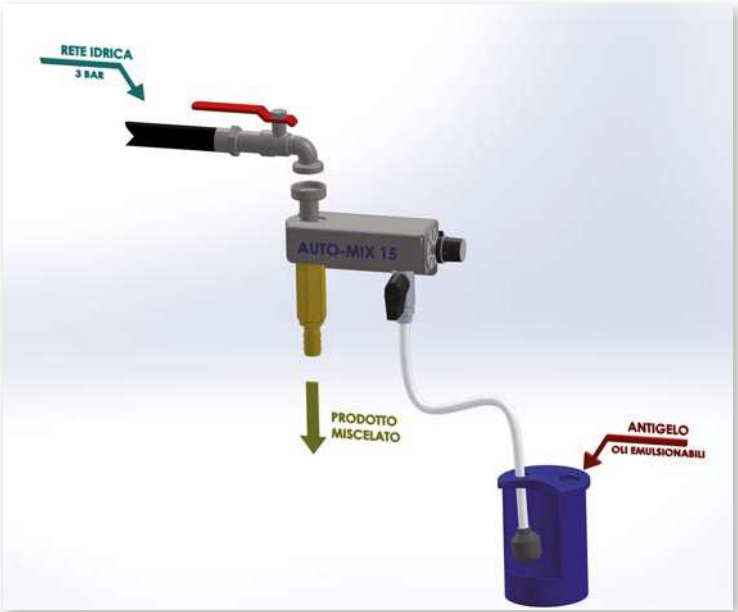
Art.no. **8952**
Low level pump stop kit, consisting of probe with low level sensor and solenoid-actuated shut-off valve that interrupts the compressed air supply of the pump and stops it as soon as the minimum level in the drum has been reached.

Art.no. **8420**

Instantaneous dosing/mixing device for antifreeze, lubricating oils, emulsions and detergents.
The use of this device allows to dispense in a quick and easy way the desired mixture of two fluids, assuring a constant mixture concentration, settable from 1 % to 40 % and created by the water flow at min. 3 bar through an included Venturi valve.

The setting of the desired mixture percentage is made with an adjustment knob on the device.





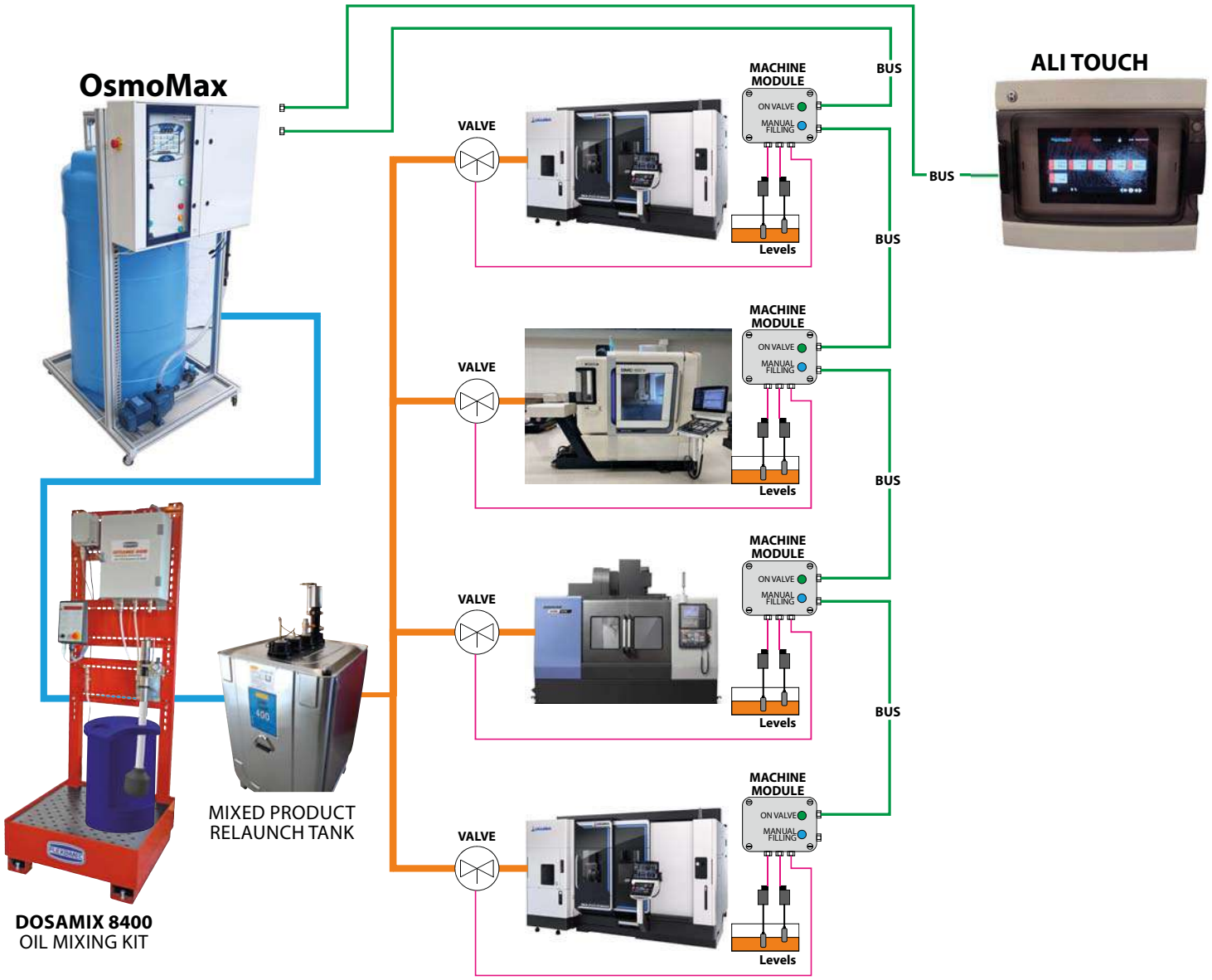
Art. no.	Flow range	Inlet pressure	Mixture percentage	Connections
8420	min. 5 max 11 l/min	min. 3 bar	1 % ÷ 15 % 15 % ÷ 40 %	3/4" BSP (M)

DOSAMIX ADVANCED - Osmosis Water Production System Mixing with Oils - Automatic Filling

DOSAMIX ADVANCED is the new MONITORING and CONTROL system that allows you to manage different types of installations in different sectors with extreme flexibility. This system, proposed in industrial fields, allows for the automated dispensing of emulsifiable oils in numerically controlled machining centers.
The system consists of an **ALI TOUCH** control unit with a 7" touch screen equipped with proprietary software that is mounted on a control panel ready for installation and a series of accessories that can be inclused as desired.
The control unit is combined with small satellite panels (MACHINE MODULES), installed one for each machine, which allow for measuring the level and managing a valve for automatic refilling, as well as carrying out manual refills in the event of particular needs.

Thanks to the **DOSAMIX ADVANCED** system, it is possible to set level checks at pre-established and recurring times, remotely check the status of the machine levels and, in the event of anomalies in the levels themselves, receive alert emails.

The automatic **DOSAMIX ADVANCED** system can be combined with **OSMOMAX** reverse osmosis water production systems, to have maximum emulsifiability Oil/Water and ideal conductivity and pH values in the emulsion to prevent bacterial proliferation and oxidation problems.



The need to use specialized equipment for the dismantling and depollution of end-of-life vehicles is basing on the European directive 2000/53/EC. It regulates that all vehicle manufacturers and importers of new vehicles are obliged, together with all other affected economical operators of this sector - to take back the end-of-life vehicles from the market and to make sure that their components are dismantled and depolluted in a way that guarantees a respectful treatment of the environment and that until the end of 2006 the recycling and recovery rate of 85 % of the material weight and until 2015 a rate of 95 % must be achieved.

For the vehicle owners the take-back must be free of charge and it concerns all vehicles for the transport of max 9 passengers and a weight of max 3.5 t.

The directive defines the free-of-charge take-back of the vehicles like this:
- **the vehicle must be delivered to a permitted treatment facility indicated by the vehicle manufacturer that takes it back free of charge,**
- **the vehicle must be complete or at least must include all essential components such as motor, gearbox, vehicle body, electronic components and catalyzer,**
- **the vehicle must not include contain any type of garbage.**

Environmental liability
The environmental liability is an important factor of the FLEXBIMEC company philosophy. Actually it gets involved with a continuous environmental protection as one of its essential company targets.

Depollution process
When an "end-of-life" vehicle has been delivered to a suitable facility, it will be dismantled and depolluted in a proper way, including the following operations:

- **Drainage of all fluids,**
- **Dismantling of the battery and of the tyres,**
- **Neutralization of the airbag system.**

Each marketable part that is dismantled can be sold, except of the safety components which content pyrotechnic material (f. ex. airbags, seat belt pretensioner).

FLEXBIMEC has developed a complete line of equipment for the dismantling and waste fluids drainage of end-of-life vehicles for professional users.









Example of an installation for end-of-life vehicle drainage and dismantling







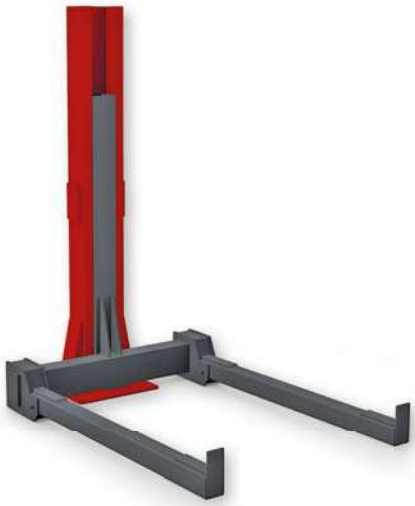
Art.no. **3100**

Vehicle ramp in painted steel for vehicle placement, with working platform composed of spill containment safety floor for the collection of eventually leaking fluids.

The vehicle must be positioned by a forklift.

Dimensions (LxWxH): 4900 x 2000 x 2000 mm.
Bearing capacity: 3000 kg.





Art.no. **3101**

Single-post lift for vehicles, specifically manufactured for the use in end - of - life vehicle drainage.
Equipped with electro-hydraulic lifting arms and column with lateral brackets for an optional mounting of swivel arms.
Lifting height min./max. 290/2000 mm.
Bearing capacity: 3500 kg.
Weight: 600 kg.

Art.no. **3102**

Spill containment safety floor for the collection of eventually leaking fluids. Composed of 6 individual modules.

Dimensions single module (LxWxH): 1500 x 900 x 30 mm.
Total dimensions (LxWxH): 4500 x 1800 x 30 mm.





Art.no. **3106**

Waste oil gravity draining kit, consisting of two metal collection bowls, including removable anti splash grid and height-adjustable, telescopic tube, ball valves and hydraulic connectors for the connection of the suitable suction equipment. With wall mounted swivel arms, for the installation on the vehicle ramp or on the column of the single-post lift (art. nos. 3100 and 3101).

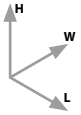


Art.no. **3112**

Mobile waste oil gravity drainer with 2 collection bowls in painted steel of 10 l capacity incl. removable anti splash grid, for a simultaneous drainage of motor oil and transmission oil.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube. On demand also available with hydraulic quick connector for a connection to a pneumatic waste oil evacuation kit.

Art. no.	Capacity collection bowl	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3112	10 l	90 l	80 l	0.5	38 kg	700x900x1700





Art.no. **3111**

Pneumatic tank drilling machine, portable version.
Allows to carry out the evacuation of petrol or diesel in vehicles in an easy, fast and safe way by drilling through the tank.
The machine is equipped with an interchangeable, non-arcing drill bit, an in-line filter with strainer, a flow control tube with transparent insert and connections for the discharge of the fuel by gravity into a can or by the suitable suction equipment into a collection tank.
The drill bit is activated by using a special, pneumatic drill machine with a low number of rotations and with reversal of the rotating direction.
Weight: 6 kg.

Art.no. **3118**

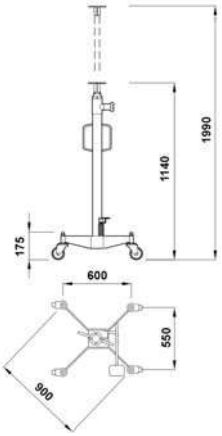
Conical silicone closing plugs, ø 7x12 mm, for sealing the drill holes.
Packaging unit: 100 pieces.





Art.no. **3113**

Pneumatic tank drilling machine, mobile version.
Same as art.no. 3111, but mounted on a height-adjustable device with a 4-castors base and connectable to a swivel arm for the installation on the vehicle ramp or on the column of the single-post lift (art. nos. 3100 and 3101).
Weight: 35 kg.







Art.no. **3115**

Mobile suction unit for petrol with pneumatic stainless steel rotary gear pump, air pressure regulator with condensation separator filter, 2-wheel trolley, plastic storage tank capacity 20 l, earthing cable for the discharge of electrostatic currents.
With pump in compliance with Atex standards, certified according to Directive 2014/34/EU.



Atex
Ex
II 2 G

Art. no.	Max vacuum	Inlet pressure	Compression ratio pump	Air consumption	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3115	0.8 bar	3 bar	1:1	200 l/min	3 bar	17 Kg	410x420x910



Art.no. **3125**
Art.no. **3126**
Art.no. **3127**

Pneumatic waste fluids suction kit, composed of a solid mounting shelf in painted steel installed on a spill containment pallet, pneumatic suction pumps with accessories, vacuometer for the control of the suction process, automatic rewind, spring-driven hose reels with 10 m – suction hoses ø 1/2" (mounted **on top** of the shelf) hydraulic quick couplings, suction probes in different diameters, lance for boring through the radiator, couplings for the suction of brake fluid and 3 m - connection hoses to the collection tanks.

Dimensions (LxWxH): 1350 x 830 x 2350 mm.

Art. no. 3125	Suction kit for 4 fluids
Art. no. 3126	Suction kit for 3 fluids
Art. no. 3127	Suction kit for 2 fluids

In order to install the suitable pumps and accessories it is important to specify when ordering the fluid type to be evacuated by choosing among the following: motor oil, gear oil, hydraulic oil, windshield washer fluid, brake fluid, antifreeze, diesel, petrol.



Art.no. **3122**
Art.no. **3123**
Art.no. **3124**

Pneumatic waste fluids suction kit, composed of a solid mounting shelf in painted steel installed on a spill containment pallet, pneumatic suction pumps with accessories, vacuometer for the control of the suction process, automatic rewind, spring-driven hose reels with 5 m – suction hoses ø 3/4", (mounted **at the bottom** of the shelf) (or alternatively 10 m – suction hoses ø 1/2"), hydraulic quick couplings, suction probes in different diameters, lance for boring through the radiator, couplings for the suction of brake fluid and 3 m - connection hoses to the collection tanks.

Dimensions (LxWxH): 1350 x 830 x 1700 mm.

Art. no. 3122	Suction kit for 2 fluids
Art. no. 3123	Suction kit for 3 fluids
Art. no. 3124	Suction kit for 4 fluids

In order to install the suitable pumps and accessories it is important to specify when ordering the fluid type to be evacuated by choosing among the following: motor oil, gear oil, hydraulic oil, windshield washer fluid, brake fluid, antifreeze, diesel, petrol.



Art.no. **3122C**
Art.no. **3123C**
Art.no. **3124C**

Pneumatic waste fluids suction kit, cabinet version, composed of a solid mounting shelf in painted steel installed on a spill containment pallet, a metal and lockable cabinet with 2 doors and 4 hose outlets with roller assemblies, pneumatic suction pumps with accessories, vacuometer for the control of the suction process, automatic rewind, spring-driven hose reels with 10 m – suction hoses ø 1/2", hydraulic quick couplings, suction probes in different diameters, lance for boring through the radiator, couplings for the suction of brake fluid and 3 m - connection hoses to the collection tanks.

Dimensions (LxWxH): 1350 x 830 x 1700 mm.

Art. no. 3122C	Suction kit for 2 fluids
Art. no. 3123C	Suction kit for 3 fluids
Art. no. 3124C	Suction kit for 4 fluids

In order to install the suitable pumps and accessories it is important to specify when ordering the fluid type to be evacuated by choosing among the following: motor oil, gear oil, hydraulic oil, windshield washer fluid, brake fluid, antifreeze, diesel, petrol.



Art.no. **3134**

Mobile evacuation unit for **LPG** and **methane** cylinders.

LPG cylinders: recovery of the liquid part, combustion of the remaining gaseous part and final washing with nitrogen for total safety.
Methane cylinders: combustion of the residual gas and final washing with nitrogen for total safety.

Nitrogen cylinder not supplied.

In accordance with Directive ATEX – group II – category 2 - GD 70°.

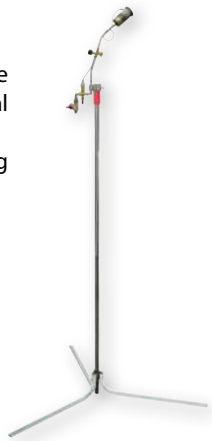
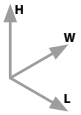


Photo of the residual gas combustion torch.

Art. no.	Nominal thermal power	Max flow rate LPG pump	Weight	Dimensions (LxWxH) (mm)
3134	90000 Kcal/h - 105 kW	55 l/min	70 kg	580x640x1100



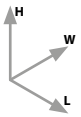


Art.no. **3134A**
Mobile unit for the safe combustion of residual **LPG** and **methane** from gas cylinders.
In the first cycle the gas (LPG or methane) is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made so that the empty cylinder can be used again. In accordance with CE-directives.

Art.no. **3134M**
Mobile unit for the safe combustion of residual **methane** from gas cylinders. In the first cycle the gas is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made. In accordance with CE-directives.

Art.no. **3134G**
Mobile unit for the safe combustion of residual **LPG** from gas cylinders. In the first cycle the gas is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made. In accordance with CE-directives.

Art. no.	Nominal thermal power	Weight	Dimensions (LxWxH) (mm)
3134A	90000 Kcal/h - 105 kW	60 kg	580x640x1100
3134M		40 kg	
3134G			





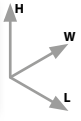
Art.no. **3134GP**

Mobile unit for the safe combustion of residual **LPG** from gas cylinders.
In the first cycle the liquid part of the gas is recovered **by means of a pump** and the residual gaseous part is combusted, in the second cycle then the washing out of the cylinder (cylinder not included) with nitrogen can be made.

In accordance with CE-directives.



Art. no.	Nominal thermal power	Max flow rate LPG pump	Weight	Dimensions (LxWxH) (mm)
3134GP	90000 Kcal/h - 105 kW	55 l/min	70 kg	580x640x1100





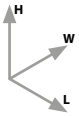
Art.no. **3135**

Mobile evacuation and recycling kit for air conditioning gas, consisting of an evacuation unit with a compressor that works with refrigerant gas types **R12 - R134A - R1234yf,** with a distillation system permitting the separation of the refrigerant from the oil. the filtration, and the dehydration.
The kit includes:
- A 12 kg rechargeable cylinder for **R134a** gas.
- Filling hoses of 1800 mm length with quick connector for **R134a** gas.
- A quick connection for **R134yf** gas.
- A stable 2 wheels - trolley.

Art.no. **3135yf**

Mobile evacuation and recycling kit for air conditioning gas, consisting of an evacuation unit with a compressor that works with refrigerant gas types **R12 - R134A - R1234yf,** with a distillation system permitting the separation of the refrigerant from the oil. the filtration and the dehydration.
The kit includes:
- A 12 kg – rechargeable cylinder for **R134a** gas.
- Filling hoses of 1800 mm length with quick connector for **R134a** gas.
- A quick connection for **R134yf** gas.
- 5 kg – rechargeable cylinder for **R1234yf** gas with included connections.
- A stable 2 wheels - trolley.

Art. no.	Compressor power	Recovery Capacity	Feeding	Weight	Dimensions (LxWxH) (mm)
3135	1/4 HP	375 g/min	230V - 50Hz	47 kg	550x530x920
3135yf					



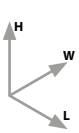
Art.no. **3139**

Recovery service unit for air conditioning systems.
This kit allows to recover the refrigerant gas cleaned of oil and moisture and store it in the external cylinder (included).
Setting the maximum cylinder capacity, there will be an automatic stop when the maximum will be reached.
The recovered gas is weighed thanks to the included electronic scale and a weighing report can be printed thanks to the presence of the printer.





Art. no.	Compressor power	Recovery Capacity	Feeding	Weight	Dimensions (LxWxH) (mm)
3139	1/4 HP	375 g/min	230V - 50Hz	50 kg	550x530x920





Art.no. **3129**

Electronic airbag activating and blasting unit **BOOM-BAG**, enables a safe and easy dismantling of all airbags in a vehicle.

Suitable for all vehicle models. The unit can be used immediately and one operator is sufficient to carry out the dismantling. The unit is packed in a plastic case and includes also an electric cable with alligator clamps for battery connection and a kit with cables and push terminals for the activation of single or double airbags.

Art. no.	Voltage	Protection category	Weight	Dimensions (LxWxH) (mm)
3129	12 VDC	IP 66	1 kg	210x95x85



Art.no. **3130**

Electric glass cutter, mobile, for a safe and versatile cutting of the windshield glass of end-of-life vehicles.

- Electric mechanism with special high speed drill machine and diamond milling cutter;
- Conveyor for the evacuation of the generated glass dust;
- Vacuum cleaner with stainless steel container, power 1250 W, collection capacity 36 l, equipped with a 10 m power cable



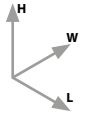
Art.no. **3132 + 3025**

Evacuation unit for shock absorbers, composed of a drill machine and an air-operated suction unit.
The drill gun allows to drill through the shock absorbers and the suction unit simultaneously sucks the hydro steer oil into a container of 24 l capacity.

Art. no.	Diameter	Drill stroke	Max. diameter shock absorber
3132	15 mm	30 mm	60 mm



Art. no.	Compressed air supply	Max vacuum	Capacity collection container	Weight	Dimensions (LxWxH) (mm)
3025	7 - 10 bar	0.8 bar	24 l	11 kg	390x360x940



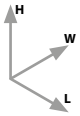


Art.no. **3137P**

Mobile, pneumo-hydraulic cutter unit with max. blades opening of 130 mm.
Allows the cutting of vehicle catalysts with extreme speed and high safety.

This unit includes a base with 3 castors, on which is installed a hydraulic lifting device with tray for the height adjustment of the cutter, a 5 l - oil container with 100:1 – pneumatic piston pump, pressure regulator with manometer, moisture separator and lubricator and a high pressure rubber hose to connect the cutter with the pump. It permits the shear to reach a maximum pressure of 700 bar.

Art. no.	Compression ratio	Supply	Tank capacity	Weight	Dimensions (LxWxH) (mm)
3137P	100:1	7 bar	5 l	60 kg	600x600x1200





Art.no. **3136P**

Mobile, pneumo-hydraulic cutter unit with max. blades opening of 130 mm.
Allows the cutting of vehicle catalysts, sheet material, aluminium profiles and copper cables with extreme speed and high safety.
This unit includes a trolley with 4 castors, a 5 l - oil container with 100:1 – pneumatic piston pump, pressure regulator with manometer, moisture separator and lubricator and a high pressure rubber hose. It permits the shear to reach a maximum pressure of 700 bar.
Characteristics:
- Double acting function prevents any possible jam;
- Hardened, re-grindable blades assure a safer working than with an abrasive cut-off machine;
- Compact, light, fast, reliable and usable in any position.



Art.no. **3136E**

Mobile, electro-hydraulic cutter unit with max. blades opening of 130 mm.
Allows the cutting of vehicle catalysts, sheet material, aluminium profiles and copper cables with extreme speed and high safety.
This unit includes a trolley with 4 castors and an electric power supply unit with exchanger that permits the shear to reach a maximum pressure of 700 bar.
Characteristics:
- Double acting function prevents any possible jam;
- Hardened, re-grindable blades assure a safer working than with an abrasive cut-off machine;
- Compact, light, fast, reliable and usable in any position.



Art.no. **3136B**

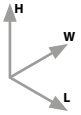
Battery-powered cutter with max. blades opening of 130 mm.
Allows the cutting of vehicle catalysts, sheet material, aluminium profiles and copper cables with extreme speed and high safety.
Supplied with charger and number 2 batteries.
Characteristics:
- Double acting function prevents any possible jam;
- Hardened, re-grindable blades assure a safer working than with an abrasive cut-off machine;
- Compact, light, fast, reliable and usable in any position.



Art.no. **7008 - 300 l**
Art.no. **7009 - 260 l**
Art.no. **7010 - 500 l**

Waste exhausted fluids storage tank, with double wall in polyethylene (one internal in contact with the fluids and one external which serves as a spill containment and security container for the internal one).
The tank is equipped with a wide dome with raisable cover. In its interior there is a removable basket for the drain of oil filters and the opening for charging and discharging the tank.
At the rim of the dome a mechanical level gauge is installed that permits the control of the filling level and a transparent indicator on the side of the external tank allows to detect eventual leakages of the internal tank immediately.

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
7008	300 l	26 kg	820x820x1080
7009	260 l	23 kg	800x800x1170
7010	500 l	37 kg	960x960x1240

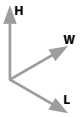


Art.no. **8217**



Double wall tank, external tank in galvanized steel and internal tank in high density polyethylene, suitable for the storage of waste oil and diesel. Including 4 connections in 2" on top of the tank, mechanical level indicator, optical leakage detector for eventual leakages in the internal tank, carrying handles and pallet feet for the lifting and the transport with a pallet truck or a forklift from 4 sides. Approved for indoor installations.

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8217/400	400 l	55 kg	700x730x1170
8217/750	750 l	82 kg	770x980x1460
8217/1000	1000 l	110 kg	770x1280x1460
8217/1500	1500 l	165 kg	770x1630x1870



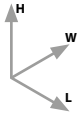
On demand available the versions approved for transportation in accordance with ADR 6.5.4.4.1b.

Art.no. **8229**



Petrol storage tank in painted steel, mounted in a wire protection cage, with spill containment pallet, hermetically sealed dome of ø 300 mm with cover panel and counterflange of 10 mm wall thickness, refill tube and 2" – security valve.
The unit is equipped with a pneumatic, selfpriming rotary vane pump for the transfer of petrol, earth cable to enable an electrostatic discharge, pressure regulator, 3 m – rubber hose 3/4" with static wire and automatic dispensing nozzle.

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8229	258 l	155 kg	920 x 830 x 1200





Art.no. **3040**

Mobile filtration unit for diesel, for the absorption of water and the filtration of possible impurities.

The unit is composed of:

- 2 – wheels trolley in galvanized steel;
- Electric pump 230 VAC / 50 Hz, max delivery 50 l/min;
- 30 – microns filter;
- Suction hose with pre-filter and foot valve;
- Manual diesel dispensing nozzle in aluminium;
- Dispensing hose.

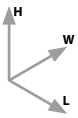


Art.no. **6600** Art.no. **6603**

Art.no. **6600**
In-line filter for diesel and petrol with 30 microns – cartridge for the absorption of water that is eventually present in the storage tank.

Art.no. **6603**
Replacement cartridge, 30 microns, for filter Art. no. 6600.

Art. no.	Voltage	Power	Delivery	Weight	Dimensions (LxWxH) (mm)
3040	230 VAC - 50 Hz	375 W	50 l/min	20 kg	410x420x910





Art.no. **3041**

Mobile filtration unit for oils.

The unit is composed of:

- 2 – wheels trolley in galvanized steel;
- Electric pump 230 VAC / 50 Hz, max delivery 10.5 l/min, art. no. 6122;
- 10 – microns filter;
- Suction hose with pre-filter and foot valve;
- Manual diesel dispensing nozzle in aluminium;
- Dispensing hose.

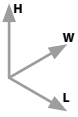


Art.no.
6607

Art.no. **6607**
In-line filter for oil with 10 microns – cartridge for the absorption of water.

Art.no. **6608**
Replacement cartridge, 10 microns, for filter art. no. 6607.

Art. no.	Voltage	Power	Delivery	Weight	Dimensions (LxWxH) (mm)
3041	230 VAC - 50 Hz	750 W	10.5 l/min	20 kg	410x420x910





Art.no. **4350**

Trolley with 2 wheels and base, suitable for pails of 18 - 60 kg.



Art.no. **4351**

Trolley with 2 wheels and tubular frame, suitable for pails of 20 kg.

Art.no. **4352**

Trolley with 2 wheels and tubular frame, suitable for pails of 50 – 60 kg.



Art.no. **4360**

Trolley with 2 wheels and 2 castors, suitable for pails of 20 – 60 kg.



Art.no. **4380**

Trolley with 2 wheels and two castors, standard version, suitable for 208 l – drums.



Art.no. **4380D**

Trolley with 2 wheels and two castors, standard version, suitable for 208 l – drums, with mounting plate for the fixation of pumps.



Art.no. **4386**

Trolley with 2 wheels and two castors, standard version, with guard plates for the wheels on both sides, suitable for 208 l – drums.



Art.no. **4389**

Trolley with 2 special rubber wheels and 2 rubber castors with brakes, heavy duty version, provided for the use on rough surfaces, including spill containment base with steel grate. The trolley is also provided for the mounting of a hose reel.



Art.no. **4391**

Trolley with 2 wheels and 1 castor, suitable for 208 l – drums. The trolley is equipped with a mounting plate which permits the installation of a hose reel.



Art.no. **4394**

Trolley with shelf of dimensions 970 x 700 mm. Rubber wheels, 2 fixed and 2 rotative with brake. 300 kg max.

Art.no. **4394B**

Trolley with shelf of dimensions 320x800 mm. Rubber wheels, 2 fixed and 2 rotative with brake. 300 kg max.



Art.no. **4392**

4 wheels trolley for 20 - 50 kg drums for electric kits.



Art.no. **4393**

Trolley with central shelves. Rubber wheels, 2 fixed and 2 rotative with brake. 300 kg max.

Optional



Art.no. **4399**

AISI 304 trolley with 2 fixed wheels, idoneous for the installation of the **Andromeda** hose-reel, 130-195-260 mm spool.

Dimensions: 780x850x970 mm.
Weight: 16 kg

Optional



Art.no. **4378**

AISI 304 trolley with 2 fixed wheels, idoneous for the installation of the Andromeda hose-reel, 130 mm spool.

Dimensions: 680x850x1150 mm.
Weight: 14 kg



Art.no. **4376**

Drum dolly with 4 castors, suitable for 208 l - drums.



Art.no. **4379**

Cradle for the transport of 208 l – drums, including an arresting device.

Welding fumes extraction equipment

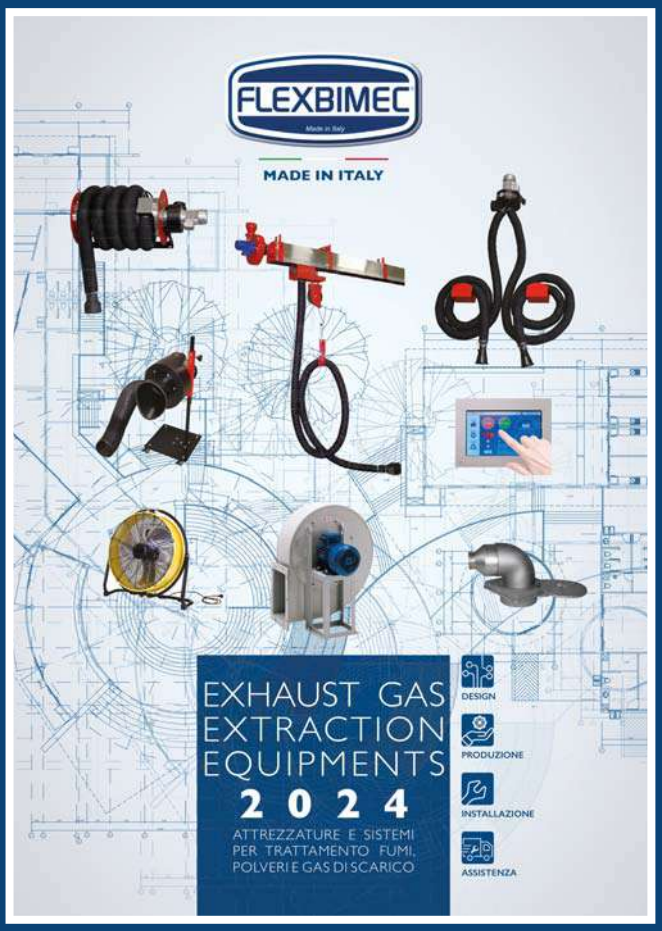


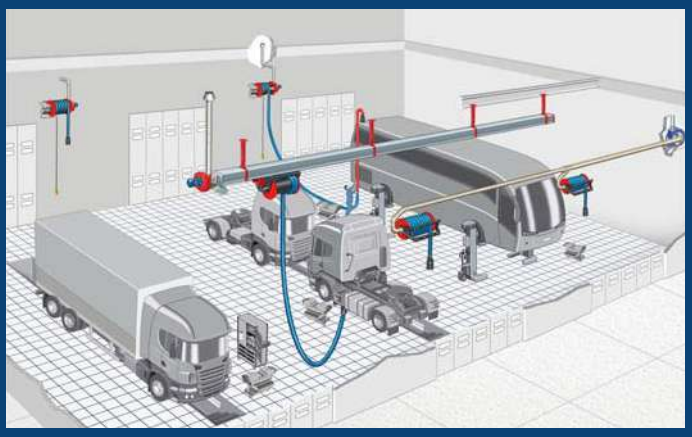


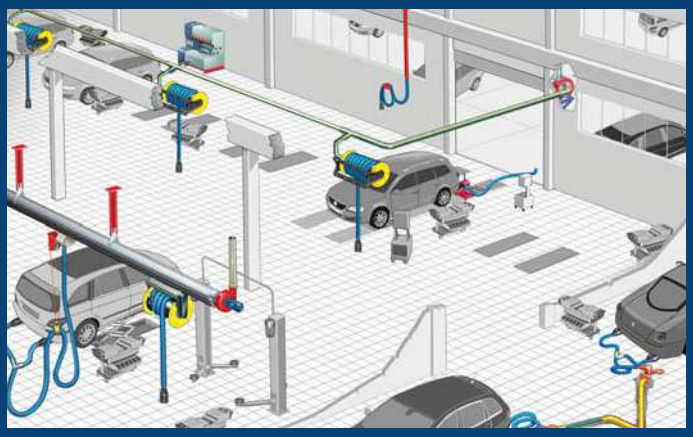
Request the complete catalogue at

info@flexbimec.com

Exhaust gas extraction equipment







Request the complete catalogue at

info@flexbimec.com

Workshop line















Request the complete catalogue at

info@flexbimec.com

Hydraulic power units and valves







Request the complete catalogue at

info@flexbimec.com

ART. NO.	PAGE
03 4997	48
03 5496	174
03 9013	232
05 6419	97
10001	235
10002	235
1045	185
1045TF	185
1045V	185
1049	185
1049TF	185
1049V	185
1050	185
1050TF	185
1050V	185
1052	189
1053	189
1054	189
1055	189
1056	189
1058	189
1064	189
1065	189
1066	189
1071	185
1071V	185
1072	185
1072V	185
1079	186
1081	186
1082	186
1083	186
1085	186
1090	191
1090/120	191
1091	191
1091/120	191
1092	191
1092/120	191
1093	265
1093L	265
1094	265
1094L	265
1095	192
1095/120	192
1096	192
1096/120	192
1097	192
1097/120	192
1104	187
1104/07	187
1104/12	187
1104/15	187
1106	187
1107	93
1108	187
1109	187
1110	187
1111	187
1112	187
1113	187
1114	187
1150	15
1151	15
1152	15
1190	265
1190L	265
1191	265
1191L	265
1192	265
1192L	265
187XX	269
1896XX	269
189XX	269
2011	70
2012	70
2013	70
2014	70
2015	70
2016	70
2017	70
2020	67
2020 TWDE	69
2020130	67
2025	68
2025 TWDE	69
2025130	68
2030	67
2030 TWDE	69
2032	67
2032130	67
2033	67
2033130	67
2035	68
2035 TWDE	69
2038	67
2040	66
2043	66
2043/L	66
2044	66
2044FVN	140
2047FVN	66
2047/L	66
2049FE	66
2050	15
2051	15
2054	15
2054-1	15
2055	72
2056	72
2057	71
2058	71
2059	68
2061	68
2061130	68
2071	67
2073	67
2074	67
2075	68
2075/L	68
2075/L TWDE	69
2076	68
2076130	68
2088	71
2091	71
2092	73
2093	73
2094	73
2096	72
2097	72
2098	72
2101	198
2104	93
2106	93
2106/NPT	93
2107/09	263
2107/10	93
2107/11	263
2107/33	93
2107/34	93
2107/35	93
2107/36	93
2108	93
2109	198
2110	93
2114	93
2115	93
2121	93
2127	152
2130	152
2132	93
2136	93
2140	93
2142	93
2143	93
2146	93
2154	86
2155	86
2156	86
2157	86
2159	86
2161	86
2162	86
2166	198
2180	86
2181	86
2182	86
2183	198
2185	86
2185/AG	86
2186	86
2187	86
2201	106
22012	251
22023	251
22024	251
2203	75
2204	75
2204/14	75
2205	75
2210	150
2212	75
2214/110	74
2214/50	74
2214/55	74
2214/80	74
2216	74
2216/1000	74
2217	75
2218	74
2250	15
2253	183
2256	183
2258	121
2259	121
2260	121
2261	267
2261F	267
2261F/NPT	267
2261M	267
2261M/NPT	267
2262	267
2262F	267
2262F/NPT	267
2262M	267
2262M/NPT	267
2263	267
2263F	267
2263F/NPT	267
2263M	267
2263M/NPT	267
2264	140
2264F	267
2264F/NPT	267
2264M	267
2264M/NPT	267
2265	164
2267	164
2268	164
2269	121
2270	113
2271	113
2272	113
2301	99
2302	99
2303/45	99
2303/59	99
2363	99
2426	94
2430	94
2431	94
2508	94
2545	16
2608	94
2615	180
2634	91
2635	91
2703	94
2706	91
2710	94
2712	94
2716	96
2717	96
2736	19
2749	94
2750	165
2751	92
2752	92
2753	165
2754	92
2755	92
277XX	269
2810	89
2810/RF	89
2811	89
2811/RF	89
2812	89
2812/RF	89
2813	89
2813/RF	89
2814	181
2814/RF	181
2815	90
2815/RF	90
2816	90
2816/RF	90
2817	90
2817/RF	90
2818	181
2818/RF	181
2819	90
2819/RF	90
2822	182
2823	165
2824	82
2835	180
2853	96
2861XX	269
2863XX	269
2864XX	269
2865	165
2866	165
2867	168
2868	168
2869	165
287XX	268
288XX	268
289XX	268
2894XX	269
2895XX	268
2896XX	268
2897	183
2897XX	268
2898XX	269
2899XX	269
28997XX	268
2910	101
2912	101
2912/RF	124
2914	101
2916	102
2916/AG	102
2916/RF	124
2917	102
2918	102
2934	105
2954	96
2958	135
2962	88
2963	88
2964	88
2964/AG	88
2967	88
2967/AG	88
2968	88
2969	88
2971	100
2973MID	10
2978MID	11
2979MID	12
2980C	103
2982	103
2984	104
2985	103
2986	152
2991	100
2992	104
2992/10	104
2992/20	104
2993	100
2994	105
2994/10	105
2994/20	105
2995	152
2996	152
2997	152

ART. NO.	PAGE
2998	152
3018	149
3020	149
3024	143
3025	280
3027	144
3040	283
3041	283
3049	79
3050	79
3080	143
3085	146
3090	144
3095	146
3099	150
3100	275
3101	275
3102	275
3106	275
3111	276
3112	275
3113	276
3115	169
3118	276
3122	277
3122C	277
3123	277
3123C	277
3124	277
3124C	277
3125	277
3126	277
3127	277
3129	280
3130	280
3132	280
3132+3025	280
3134	278
3134A	278
3134G	278
3134GP	278
3134M	278
3135	279
3135yf	279
3136B	281
3136E	281
3136P	281
3137P	281
3139	279
3172	149
3173	141
3178	141
3179	142
3180	148
3182	147
3183	142

ART. NO.	PAGE
3185	139
3185/110	139
3185/20	139
3186	140
3186/110	140
3190	147
3192	148
3195	145
3198	145
3199	150
3246	139
3254	139
3254/110	139
3290	141
3292	140
3299	142
3316	193
3318	194
3318/316	194
3320	196
3323	195
3324	194
3324/316	194
3325	193
3326	197
3326L	197
3326M	197
3327	85
3329	197
3335	196
3340	194
3340/316	194
3345	195
3350	193
3352	195
3354	195
3358	85
3359	85
3385	196
3396	85
3406	153
3408/05R	98
3408/1	98
3408/1FMS	98
3408/1R	98
3408/2	98
3408/2FMS	98
3408/2R	98
3408/3	98
3408/5	98
3422	152
3423	152
3425	98
3426	98
3427	98
3428	98

ART. NO.	PAGE
3429	98
3430	98
3435	97
3436	97
3440	152
3444	97
3447	98
3448	98
3449	98
3451	154
3452	154
3453	154
3454	154
3455	154
3456	154
3457	154
3458	154
3459	154
3461	154
3462	154
3463	154
3465	154
3466	154
3467	154
3468	154
3469	154
3470	154
3472	154
3473	154
3475	154
3481	153
3485	153
3486	153
3490	154
3491	154
3493	154
3495	153
3521	204
3524	204
3526	204
3610	208
3615	208
3620	208
37XX	268
38XX	269
3995XX	269
399XX	269
4018	24
4019	25
4019 TWDE	26
4020	24
4021	25
4021 TWDE	26
4022	23
4025	26
4043/180	23

ART. NO.	PAGE
4043/20	23
4043/60	23
4046	27
4047	27
4048	28
4049	28
4050	28
4051	28
4060	24
4061	25
4061 TWDE	26
4062	23
4080	24
4081	25
4081 TWDE	26
4082	23
4083/180	23
4083/20	23
4083/60	23
4090/180	36
4090/20	36
4090/50	36
4091/180	36
4091/20	36
4091/50	36
4092/180	32
4092/20	32
4092/50	32
4093/180	32
4093/20	32
4093/50	32
4094/180	33
4095/180	34
4095/20	34
4095/50	34
4096/180	34
4096/20	34
4096/50	34
4097/180	35
4098/180	35
4099/180	37
4099/20	37
4099/50	37
4100/180	37
4100/20	37
4100/50	37
4200	55
4201	55
4204	55
4205	55
4206	55
4207	55
4208	55
4209	55
4215	51
4216+4233	57

ART. NO.	PAGE
4217	57
4217/1000	57
4217+4220	57
4218	57
4219	57
4220	56
4221	56
4222	267
4222F	267
4222F/NPT	267
4222M	267
4222M/NPT	267
4223	267
4223N	267
4224	56
4225	56
4226	56
4227	56
4228	56
4229	267
4229N	267
4230	56
4231	267
4231N	267
4232	267
4232N	267
4233	57
4233M	57
4234	57
4235	57
4237	57
4237M	57
4251	56
4252	56
4253	56
4254	56
4255	56
4259	56
4260	39
4265	39
4290	59
4290/RF	59
4291	59
4291/RF	59
4292	59
4292/RF	59
4293	60
4293/RF	60
4294	60
4294/RF	60
4295	60
4295/RF	60
4296	60
4296/RF	60
4301	62
4302	62

ART. NO.	PAGE
4302/FP	62
4302S	62
4305	62
4305/TP	62
4305L	62
4305S	62
4308	62
4308/TP	62
4308/TP33	62
4309	63
4309/70	63
4310	61
4311	61
4312	61
4312S	61
4314VU	61
4315	61
4317/TP	61
4317VU	61
4319/TP	61
4319/TP33	61
4319VU	61
4320	63
4320/70	63
4322	62
4325	47
4328	57
4340	57
4340/55	75
4341	57
4342/50	63
4342/70	63
4343/50	74
4343/51	63
4343/55	74
4343/70	63
4343/71	63
4350	284
4351	284
4352	284
4357	153
4360	284
4376	285
4378	285
4379	285
4380	284
4380D	284
4380/Z	17
4385	43
4386	284
4387	63
4387/50	63
4389	284
4389/Z	179
4391	284
4392	285

ART. NO.	PAGE
4393	285
4394	285
4394B	285
4397	285
4398	285
4399	285
4400	53
4400/4	53
4400/4DE	53
4405	54
4406	54
4408	53
4411	54
4425	49
4426	49
4450	53
4450/4	53
4450/C	53
4452	54
4452/4	54
4453	54
45XX	268
4699	202
46XXAM	268
47XX	268
47XXAM	268
4885XX	268
488XX	268
48XX	268
48XXAM	268
4910	43
4911	43
4920	41
4920C	41
4920C/FP	41
4920CE	41
4920CE/FP	41
4921	40
4922	40
4923	52
4925	40
4960	42
4960C	42
4961	44
4963	52
4980	42
4980C	42
4981	44
4983	52
4990	43
4990C	43
4995	44
4997/20	48
4997/60	48
4998/30	38
4998/60	38
4998/180	38
4999	45
4999/200	45
4999/200EL	46
4999/200INP	46
4999/30	45
4999/60	45
5000	30
5002	29
5002+5091	29
5003	29
5003+5093	29
5004	29
5004+5090	29
5005	29
5005+5092	29
5011	30
5031	30
5032	30
5040	30
5060	30
5080	30
5081	30
5090	29
5091	29
5092	29
5093	29
5100	50
5105	50
5110	51
5111	51
5115	50
5125	49
5125/S	49
5126	52
5127	52
5128	52
5129/CL	52
5130/CL	52
5131/CL	52
5190	49
5200	84
5216	84
5300	83
5300/FD	83
5400	83
5403	82
5405	82
5409	83
5410	82
5415	83
5416	188
5417	188
5420	82
5420/GO	82
5423	84
5434	84
5450	83
5480	188
5493	174
5495	188
5496	174
5604	97
5650	97
5658	97
5659	97
5670	97
5671	97
5678	97
5679	97
5903	200
5904	201
5905	201
5906	201
5908	200
5945	202
5946	202
5953	200
6112	77
6113	175
6114	77
6115	175
6122	77
6123	190
6124	78
6125	77
6126	78
6126/C	78
6127	78
6127/C	78
6128	77
6129	78
6129/C	78
6132	190
6133	79
6135	79
6135/60	79
6136	79
6138	79
6138/60	79
6141	78
6141/C	78
6142	78
6142/C	78
6149	79
6157	175
6158	175
6218	160
6219	160
6220	160
6246	159
6249	159
6252	159
6253	159
6254	159
6255	159
6302	76
6303	76
6304	76
6305	76
6308	76
6309	76
6312	76
6314	76
6324	76
6326	76
6435	160
6437	77
6439/2P	163
6446	190
6528	137
6556	157
6557	157
6559	76
6561	166
6600	164
6603	164
6607	164
6608	164
6611	164
6613	164
6614	164
6621	164
6622	164
6623	164
6639	123
6640	123
6641	123
6642	164
6643	123
6647	164
6648	123
6650	123
6651	123
6652	123
6654	122
6655	122
6656	122
6660	122
6661	122
6662	122
6670	123
6671	123
6672	123
6675	123
6676	123
6677	123
6690	122
6691	122
6692	122
6693	122
6694	122
6695	122
6696	122
6697	122
6698	122
6699	122
6700	163
6701	163
6709	182
6721	163
6724	182
6725	163
6726	163
6728	168
6729	182
6730MID	20
6731MID	20
6738	161
6739	161
6743	176
6744	176
6745	176
6745/200	176
6751	177
6752	177
6752MID	20
6753	177
6755	161
6766	158
6768	158
6769	158
6770	158
6771	158
6772	157
6773	158
6774	178
6775	178
6777	178
6778	179
6779	179
6782	158
6783	158
6784	179
6785	179
6786MID	21
6800	199
6801	198
6802	198
6805	198
6812	199
6812P	199
6816-6817	199
6817	199
6818	199
6819	199
6820	199
6821	199
6822	199
6823	199
6830	199
6840	199
6853	199
6857	199
6871	197
6872	197
6873	197
6874	197
6875	197
6876	197
6877	197
6878	198
6882	198
6883	198
6884	198
6885	198
6930	166
6931	166
6933	167
6934	167
6935	167
6937	167
6938	169
7008	282
7009	282
7010	282
7150	75
7150/12	210
7150/38	210
7151	210
7151/12	210
7151/38	210
7180	75
7180/12	210
7180/38	210
7200	210
7238	121
7239	121
7240	121
7241	121
7242	121
7244	121
7301	205
7304	205
7305	205
7306	205
7307	205
7308	205
7324	183
7330	205

ART. NO.	PAGE
7331	205
7340	138
7344	271
7360	138
7370+4265	32
7370T	34
7370T+4265	34
7377	39
7377/2	78
7377+4265	39
7378+4265	39
7383	135
7384+4265	36
7394	114
7406	198
7550	197
7553	197
7692	208
7705	197
7740	203
7741	203
7742	203
7743	203
7813	152
7816	114
7818	80
7819	81
8204	107
8205	107
8206	107
8207	107
8208	106
8209	106
8210	106
8215	106
8217	115
8217/1000	115
8217/1500	115
8217/400	115
8217/750	115
8218	155
8218/10000I	155
8218/1000I	155
8218/1100	155
8218/1500	155
8218/2000I	155
8218/2200	155
8218/3000	155
8218/3000I	155
8218/4000I	155
8218/5000I	155
8218/6000I	155
8218/8000I	155
8218/I	155
8220	114
8223/220	172
8223/430	172
8223/600	172
8224/120	172
8224/190	172
8225/125	172
8225/210	172
8225/440	172
8225/600	172
8229	282
8231	171
8231/10	171
8231/20	171
8231/5	171
8231/T	171
8235	171
8235/10	171
8235/20	171
8235/5	171
8237	171
8237/10	171
8237/20	171
8250	106
8304	151
8306	151
8307	137
8308	151
8309	138
8318	80
8319	80
8320	80
8321	80
8322	81
8323	81
8324	81
8400	270
8403	270
8407	270
8408	271
8413	271
8415	270
8417	270
8420	271
8460	272
8524	111
8524/SE	111
8525	110
8526	232
8527	110
8529	112
8530	112
8530/SP	112
8531	112
8532	111
8532/SE	111
8533	110
8534	232
8536	112
8539	112
8545	99
8548	108
8548/10	108
8549	108
8549/10	108
8558	44
8563	113
8564	113
8565	113
8566	113
8567	113
8568	113
8569	113
8580	115
8581	115
8582	115
8583	115
8591	116
8591/S	116
8592	116
8592/S	116
8593	116
8593/S	116
8594	116
8594/S	116
8595	116
8595/S	116
8596	116
8596/S	116
8597	116
8597/S	116
8598	116
8598/S	116
8599	116
8599/S	116
8601	271
8621	109
8634	109
8730	95
8731	95
8732	95
8732/RF	95
8733	95
8735	95
8736/RF	134
8736/RF915	134
8737/RF	133
8737/RF915	133
8740/RF	133
8740/RF915	133
8741/RF	135
8742/RF	135
8743/RF	135
8749/RF	133
8749/RF915	133
8752	138
8753	138
8798	136
8840	136
8841	136
8845	132
8845/915	132
8854	20
8857	135
8867	135
8905	137
8908	137
8909	137
8951	137
8952	271
8953	137
9000/1	118
9000/2	118
9000/3	118
9000/4	118
9000/5	118
9000/6	118
9001/1	118
9001/2	118
9001/3	118
9001/4	118
9001/5	118
9002/4	119
9002/5	119
9002/6	119
9002/7	119
9002/8	119
9003/4	119
9003/5	119
9003/6	119
9003/7	119
9003/8	119
9004/4	119
9004/5	119
9004/6	119
9004/7	119
9004/8	119
9005/4	119
9005/5	119
9005/6	119
9005/7	119
9005/8	119
9013	219
9016	218
9021	218
9022	218
9023	219
9024	219
9025	219
9030	228
9031	227
9034	228
9036	228
9038	227
9039	227
9060	261
9060M	261
9068	226
9070	225
9073	221
9074	221
9078	262
9083	221
9084	225
9085	226
9086	222
9088	223
9090	220
9090X+289810	184
9091	220
9091X+289815	184
9092	220
9092X+289820	184
9093	220
9093X+289825	184
9095	224
9095X+289910	184
9096	224
9096X+289915	184
9097	224
9098	225
9099	226
9251	229
9252	229
9253	229
9254	229
9255	229
9256	229
9270	231
9270X	231
9351	230
9352	230
9353	230
9354	230
9355	230
9356	230
9400+3610	208
9400+3615	208
9401+3620	208
9405	209
9408	208
9409	209
9418	231
9504	260
9505	260
9517	218
9521	218
9522	218
9525	228
9525/EX+289415	170
9527/EX+289408	170
9529	228
9530	221
9531	227
9534	225
9536	228
9536/EX+289425	170
9538	227
9539	227
9546	219
9547	219
9548	219
9549	219
9570	225
9573	221
9574	221
9578	262
9584	224
9585	226
9586	222
9588	226
9589	223
9589/EX	223
9590	220
9590+289810	184
9591	220
9591+289815	184
9592	220
9592+289820	184
9593	220
9593+289825	184
9595	224
9595+289910	184
9596	224
9596+289915	184
9598	225
9599	226
9754	219
9760	184
9764	224
9765	184
9767	218
9767B	184
9768	218
9768B	184
9769	224
9770	221
9773	229
9777	221
9778	219
9779	232
9780	232

ART. NO.	PAGE
9781	232
9784	104
9785	106
9787	107
9818	120
9825	120
9828	120
9838	120
9839	120
9840	120
9841	120
9842	120
9843	121
9844	120
9845	120
9846	120
9847	120
9848	120
9849	120
9850	120
9851	120
9852	120
9853	120
9854	120
9855	120
9856	120
9857	120
9858	120
9859	120
9862	266
9871	207
9872	121
9873	206
9874	206
9875	206
9876	207
9877	207
9877/20	207
9877/25	207
9877/32	207
9878	207
9878/20	207
9878/25	207
9878/32	207
9879	206
9879/20	206
9879/25	206
9879/32	206
9880	206
9880/20	206
9880/25	206
9880/32	206
9881	206
9881/20	206
9881/25	206
9881/32	206

ART. NO.	PAGE
9882	206
9882/20	206
9882/25	206
9882/32	206
9883	206
9883/20	206
9883/25	206
9883/32	206
9884	207
9884/20	207
9884/25	207
9884/32	207
9885	207
9885/20	207
9885/25	207
9885/32	207
9886	207
9886/20	207
9886/25	207
9887	207
9887/20	207
9887/25	207
9888	207
9888/20	207
9888/25	207
9889	207
9889/20	207
9889/25	207
9889/32	207
9890	206
9890/20	206
9890/25	206
9890/32	206
9901	267
9901N	267
9902	267
9902N	267
9903	267
9903N	267
9904N	267
9905	267
9905N	267
9906	267
9906N	267
9907	267
9907N	267
9908	267
9908N	267
9909	267
9909N	267
9910	267
9910N	267
9911	267
9911N	267
9912	267
9912N	267

ART. NO.	PAGE
9915	267
9915N	267
9916	267
9916N	267
9917	267
9917N	267
9919	267
9919N	267
9920	267
9920N	267
9924	267
9924N	267
9925	267
9927	267
9927N	267
9928	267
9928N	267
9939	267
9939N	267
9940	232
9941	232
9942	232
9943	232
9944	232
9951	263
9951/RF	263
9952	263
9953	263
9955	264
9959	265
9960	265
9961	264
9962	264
9963	264
9964	264
9966	264
9967	264
9981	264
9982L	265
9983	265
9986	264
9987	264
9988	264
9989	264
9991	265
9991L	265
9992	265
9992L	265
9993	265
9993L	265
9994	265
9994L	265
9996	265
9996L	265
9997	265
9997L	265

ART. NO.	PAGE
9999	267
9999N	267
AF4213150	237
AF4213151	237
AF4213200	237
AF4213250	237
AF4219151	237
AF4219200	237
AF4219250	237
AF4226151	237
AF4226201	237
AF5213200	238
AF5213201	238
AF5213250	238
AF5219201	238
AF521925H501	238
AF522625H501	238
AF5313200	239
AF5313201	239
AF5313350	239
AF5319201	239
AF5319350	239
AF5319351	239
AF5326350	239
AF5326351	239
ASGF4213150	241
ASGF4213151	241
ASGF4213200	241
ASGF4213250	241
ASGF4219151	241
ASGF4219200	241
ASGF4219250	241
ASGF4226151	241
ASGF4226201	241
ASGF5213200	242
ASGF5213201	242
ASGF5213250	242
ASGF5219201	242
ASGF521925H501	242
ASGF522625H501	242
ASGF5313200	243
ASGF5313201	243
ASGF5313350	243
ASGF5319201	243
ASGF5319350	243
ASGF5319351	243
ASGF5326350	243
ASGF5326351	243
ASGX4213150	241
ASGX4213151	241
ASGX4213200	241
ASGX4213250	241
ASGX4219151	241
ASGX4219200	241
ASGX4219250	241
ASGX4226151	241

ART. NO.	PAGE
ASGX4226201	241
ASGX5213200	242
ASGX5213201	242
ASGX5213250	242
ASGX5219201	242
ASGX521925H501	242
ASGX522625H501	242
ASGX5313200	243
ASGX5313201	243
ASGX5313350	243
ASGX5319201	243
ASGX5319350	243
ASGX5319351	243
ASGX5326350	243
ASGX5326351	243
AX4213150	237
AX4213151	237
AX4213200	237
AX4213250	237
AX4219151	237
AX4219200	237
AX4219250	237
AX4226151	237
AX4226201	237
AX5213200	238
AX5213201	238
AX5213250	238
AX5219201	238
AX521925H501	238
AX522625H501	238
AX5313200	239
AX5313201	239
AX5313350	239
AX5319201	239
AX5319350	239
AX5319351	239
AX5326350	239
AX5326351	239
GF1252190	255
GF1252191	255
GF1252260	255
GF1252261	255
GF1263260	255
GF1263261	255
GF1263262	255
GF1263263	255
GF2352190	255
GF2352191	255
GF2352260	255
GF2352261	255
GF2363260	255
GF2363261	255
GF2363262	255
GF2363263	255
GF2452190	255
GF2452191	255

ART. NO.	PAGE
GF2452260	255
GF2452261	255
GF2463260	255
GF2463261	255
GF2463262	255
GF2463263	255
GFSGA52190	255
GFSGA52191	255
GFSGA52260	255
GFSGA52261	255
GFSGA63260	255
GFSGA63261	255
GFSGA63262	255
GFSGA63263	255
GPSYSTEM20	132
GX1252190	255
GX1252191	255
GX1252260	255
GX1252261	255
GX1263260	255
GX1263261	255
GX1263262	255
GX1263263	255
GX2352190	255
GX2352191	255
GX2352260	255
GX2352261	255
GX2363260	255
GX2363261	255
GX2363262	255
GX2363263	255
GX2452190	255
GX2452191	255
GX2452260	255
GX2452261	255
GX2463260	255
GX2463261	255
GX2463262	255
GX2463263	255
GXSGA52190	255
GXSGA52191	255
GXSGA52260	255
GXSGA52261	255
GXSGA63260	255
GXSGA63261	255
GXSGA63262	255
GXSGA63263	255
OEF42400	249
OEF42401	249
OEF53400	249
OEF53401	249
OEX42400	249
OEX42401	249
OEX53400	249
OEX53401	249
OF42130	245

ART. NO.	PAGE
OF42131	245
OF42190	245
OF42191	245
OF42260	245
OF42261	245
OF52130	246
OF52131	246
OF52191	246
OF52261	246
OPF42260	248
OPF42261	248
OPF52190	248
OPF52190IR	234
OPF52191	248
OPF52260	248
OPF52261	248
OPSGF42260	248
OPSGF42261	248
OPSGF52190	248
OPSGF52191	248
OPSGF52260	248
OPSGF52261	248
OPSGX42260	248
OPSGX42261	248
OPSGX52190	248
OPSGX52191	248
OPSGX52260	248
OPSGX52261	248
OPX42260	248
OPX42261	248
OPX52190	248
OPX52191	248
OPX52260	248
OPX52261	248
OSGF42130	245
OSGF42131	245
OSGF42190	245
OSGF42191	245
OSGF42260	245
OSGF42261	245
OSGF52130	246
OSGF52131	246
OSGF52191	246
OSGF52261	246
OSGX42130	245
OSGX42131	245
OSGX42190	245
OSGX42191	245
OSGX42260	245
OSGX42261	245
OSGX52191	246
OSGX52261	246
OX42130	245
OX42131	245
OX42190	245
OX42191	245

ART. NO.	PAGE
OX42260	245
OX42261	245
OX52130	246
OX52131	246
OX52191	246
OX52261	246
SCF1242130	251
SCF1242131	251
SCF2442130	251
SCF2442131	251
SCX1242130	251
SCX1242131	251
SCX2442130	251
SCX2442131	251
SF1242130	252
SF1242131	252
SF1242190	252
SF1242191	252
SF1242260	252
SF1242261	252
SF1252130	253
SF1252131	253
SF1252190	253
SF1252191	253
SF2442130	252
SF2442131	252
SF2442190	252
SF2442191	252
SF2442260	252
SF2442261	252
SF2452130	253
SF2452131	253
SF2452190	253
SF2452191	253
SFID42130	252
SFID42131	252
SFID42190	252
SFID42191	252
SFID42260	252
SFID42261	252
SFID52130	253
SFID52131	253
SFID52190	253
SFID52191	253
SFID52260	253
SFPN42130	252
SFPN42131	252
SFPN42190	252
SFPN42191	252
SFPN42260	252
SFPN42261	252
SFPN52130	253
SFPN52131	253
SFPN52190	253
SFPN52191	253
SJ9004	263

ART. NO.	PAGE
SJ9005	263
SJ9006	263
SJ9007	263
SJ9009	263
SJL04	263
SX1242130	252
SX1242131	252
SX1242190	252
SX1242191	252
SX1242260	252
SX1242261	252
SX1252130	253
SX1252131	253
SX1252190	253
SX1252191	253
SX2442130	252
SX2442131	252
SX2442190	252
SX2442191	252
SX2442260	252
SX2442261	252
SX2452130	253
SX2452131	253
SX2452190	253
SX2452191	253
SXID42130	252
SXID42131	252
SXID42190	252
SXID42191	252
SXID42260	252
SXID42261	252
SXID52130	253
SXID52131	253
SXID52190	253
SXID52191	253
SXID52260	253
SXPN42130	252
SXPN42131	252
SXPN42190	252
SXPN42191	252
SXPN42260	252
SXPN42261	252
SXPN52130	253
SXPN52131	253
SXPN52190	253
SXPN52191	253
TF1252400	258
TF1252401	258
TF1253400	258
TF1253401	258
TF1253402	258
TF1253403	258
TF1262401	259
TF1263401	259
TF1263402	259
TF1263403	259

ART. NO.	PAGE
TF1263601	259
TF1263602	259
TF1263603	259
TF2352400	258
TF2352401	258
TF2353400	258
TF2353401	258
TF2353402	258
TF2353403	258
TF2362401	259
TF2363401	259
TF2363402	259
TF2363403	259
TF2363601	259
TF2363602	259
TF2363603	259
TF2452400	258
TF2452401	258
TF2453400	258
TF2453401	258
TF2453402	258
TF2453403	258
TF2462401	259
TF2463401	259
TF2463402	259
TF2463403	259
TF2463601	259
TF2463602	259
TF2463603	259
TF6340202	256
TF6340203	256
TF6340351	256
TFSGA52400	258
TFSGA52401	258
TFSGA53400	258
TFSGA53401	258
TFSGA53402	258
TFSGA53403	258
TFSGA62401	259
TFSGA63401	259
TFSGA63402	259
TFSGA63403	259
TFSGA63601	259
TFSGA63602	259
TFSGA63603	259
TX1252400	258
TX1252401	258
TX1253400	258
TX1253401	258
TX1253402	258
TX1253403	258
TX1262401	259
TX1263401	259
TX1263402	259
TX1263403	259
TX1263601	259

ART. NO.	PAGE
TX1263602	259
TX1263603	259
TX2352400	258
TX2352401	258
TX2353400	258
TX2353401	258
TX2353402	258
TX2353403	258
TX2362401	259
TX2363401	259
TX2363402	259
TX2363403	259
TX2363601	259
TX2363602	259
TX2363603	259
TX2452400	258
TX2452401	258
TX2453400	258
TX2453401	258
TX2453402	258
TX2453403	258
TX2462401	259
TX2463401	259
TX2463402	259
TX2463403	259
TX2463601	259
TX2463602	259
TX2463603	259
TX6340202	256
TX6340203	256
TX6340351	256
TXSGA52400	258
TXSGA52401	258
TXSGA53400	258
TXSGA53401	258
TXSGA53402	258
TXSGA53403	258
TXSGA62401	259
TXSGA63401	259
TXSGA63402	259
TXSGA63403	259
TXSGA63601	259
TXSGA63602	259
TXSGA63603	259

ART. NO.	PAGE

FLEXBIMEC INTERNATIONAL S.r.l. makes every effort to maintain the accuracy and quality of the information provided on this Catalogue.
However, FLEXBIMEC assumes no legal liability or responsibility for the accuracy or completeness of the information provided. The information contained on this catalogue is for general guidance only. You should neither act, nor refrain from action, on the basis of any such information.
You should take appropriate professional advice on your particular circumstances because the application of our equipment may vary depending on particular circumstances.
The copyright of all content on this catalogue is owned by FLEXBIMEC. No part of the catalogue may be changed, reproduced, stored in or transmitted on any website or medium without the prior written permission of FLEXBIMEC.
Requests to republish any material must be sent to info@flexbimec.com.

FLEXBIMEC®

Made in Italy

MADE IN ITALY



FLEXBIMEC INTERNATIONAL S.r.l.

42020 ALBINEA (RE) - ITALY - Via Roma, 26
Tel. +39 0522 347330 - info@flexbimec.com
www.flexbimec.com

FLEXBIMEC BRAZIL Ltda

Av. F. S. Bitencourt, 1369
Porto Alegre (RS)
Tel. +55 5133772352
comercial@flexbimec.com.br

FLEXBIMEC N.A. CORP.

601 Brickel Drive - 33131 MIAMI (FL)
Tel. +1 3056002719
info@flexbimec.com
www.flexbimec.us

