OMPI 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.
OMPI 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 **OMPI** electric grease wheeled dispensing kit.



230 V Single-phase

Art.no. 83400-x
400 g/min. - 300 bar

HIGH PRESSURE
(see page 121)



230 V Single-phase

Art.no. 83450-x
1200 g/min. - 100 bar

HIGH PRESSURE
(see page 121)



230 V Single-phase

Art.no. 83950
4000 g/min. - 50 bar

FOR GREASE TRANSFER
(see page 122)



230/380 V Three-phase

Art.no. 83600-x
400 g/min. - 400 bar

HIGH PRESSURE
(see page 123)



230/380 V Three-phase

Art.no. 83650-x
1200 g/min. - 200 bar

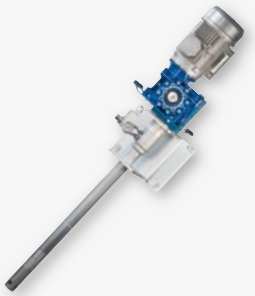
HIGH PRESSURE
(see page 123)



230/380 V Three-phase

Art.no. 83960
8000 g/min. - 70 bar

FOR GREASE TRANSFER
(see page 124)



230/380 V Three-phase

Art.no. 83955
4000 g/min. - 70 bar

FOR GREASE TRANSFER
(see page 124)



12/24 V

Art.no. 83300-x - 83350-x
100 g/min. - 200 bar

HIGH PRESSURE
(see page 125)



12 V

Art.no. 83390-x
100 g/min. - 250 bar

HIGH PRESSURE
(see page 126)



24 V

Art.no. 83395-x
100 g/min. - 250 bar

HIGH PRESSURE
(see page 126)



OPTIONAL
Bung adapter
Art.no. **030067**
Lock ring for bung adapter
Art.no. **030066**

ELECTRICAL SAFETY PANEL 230 VAC SINGLE-PHASE

OPTIONAL

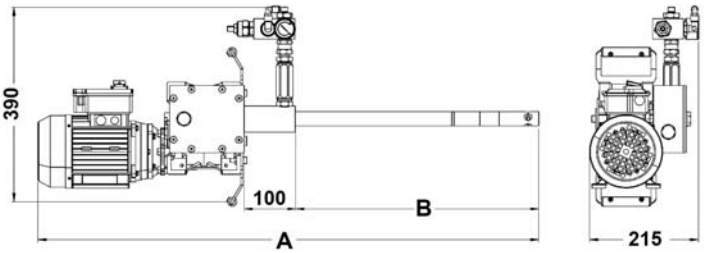


Art.no. **70950**
Plastic electrical safety panel which allows the stop of the pump at the end of the delivery.
This kit includes the adjustable pressure switch.

Art.no.	Dimensions	Weight	Ampere	Frequency	Protection
70950	195x150x170(h) mm	3 kg	4 A	50 Hz	IP 55

Art.no. **83400-20** Art.no. **83450-20**
Art.no. **83400-60** Art.no. **83450-60**
Art.no. **83400** Art.no. **83450**

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. 030067, aluminum lock ring for bung adapter ø 28 mm art.no. 030066.



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
83400-20	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
83400-60			1245	740 mm						50 kg	21 kg
83400			1450	950 mm						180 kg	22 kg
83450-20			985	480 mm	**Outer diameter 28 mm** **Piston diameter 16 mm**	100 bar (1450 psi)	**1200 g/min**			18 - 25 kg	20 kg
83450-60			1245	740 mm						50 kg	21 kg
83450			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



ELECTRICAL SAFETY PANEL 230 VAC SINGLE-PHASE

OPTIONAL



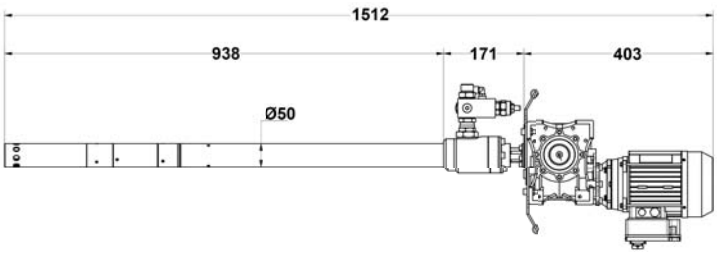
Art.no. **70950**
Plastic electrical safety panel which allows the stop of the pump at the end of the delivery.
This kit includes the adjustable pressure switch.

Art.no.	Dimensions	Weight	Ampere	Frequency	Protection
70950	195x150x170(h) mm	3 kg	4 A	50 Hz	IP 55

Art.no. **83950**

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. 32200.



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
83950	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. **030067**

Lock ring for bung adapter
Art.no. **030066**

ELECTRICAL SAFETY PANEL 230 VAC / 380 VAC THREE-PHASE

OPTIONAL



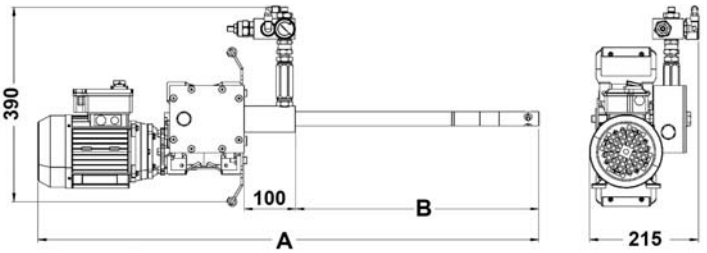
Art.no. **70955**
Art.no. **70960**

Metal electrical safety panel 230 VAC (Art.no. 70955) or 280 VAC (Art.no. 70960) 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
70955	600x400x280(h) mm	230 V	10 kg	4 A	50 Hz	IP 55
70960		380 V				

Art.no. **83600-20** Art.no. **83650-20**
Art.no. 83600-60 Art.no. **83650-60**
Art.no. 83600 Art.no. **83650**

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. 030067,
ø 28 mm Aluminum lock ring Art.no. 030066.



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
83600-20	230 VAC / 380 VAC - three-phase - 50 Hz	5,3 A (230V) 3,1 A (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
83600-60				1285	740						50 kg	23 kg
83600				1490	950						180 kg	24 kg
83650-20			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
83650-60				1285	740						50 kg	23 kg
83650				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. **32200**

ELECTRICAL SAFETY PANEL 230 VAC / 380 VAC THREE-PHASE

OPTIONAL



Adjustable pressure switch

Art.no. **70955**
Art.no. **70960**

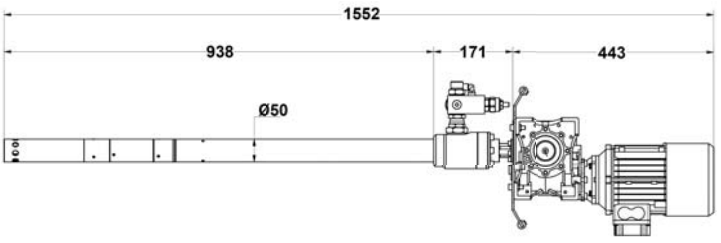
Metal electrical safety panel 230 VAC (Art.no. 70955) or 280 VAC (Art.no. 70960) which allows to stop of the pump at the end of the dispensing operation.
This kit includes the pressure switch.

Art.no.	Dimensions	Alim.	Weight	Ampere	Frequency	Protection
70955	600x400x280(h) mm	230 V	10 kg	4 A	50 Hz	IP 55
70960		380 V				

Art.no. **83960**
Art.no. **83955**

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. 32200



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
83960	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
83955						**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



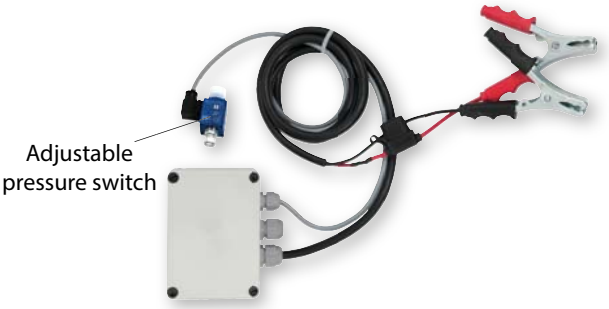


OPTIONAL
Bung adapter
Art.no. **030067**

Lock ring for bung adapter
Art.no. **030066**

ELECTRICAL SAFETY PANEL 12/24 VDC

OPTIONAL



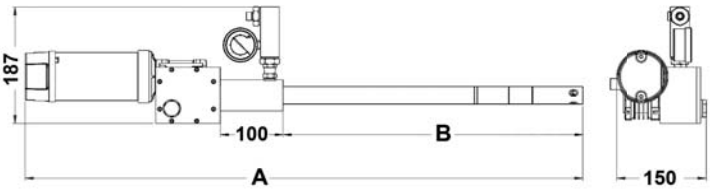
Art.no. **70970**
Art.no. **70975**
Electrical safety panel for 12/24 VDC models, including battery clamps and relief valve. Adjustable pressure up to 200 bar.
It allows to activate the pump while operating on the delivery gun and to stop it when the pressure reaches the set threshold.

Art.no.	Dimensions	Voltage	Weight	Protection
70970	180x95x95 (h) mm	12 VDC	1 kg	IP 55
70975		24 VDC		

Art.no. **83300-20** Art.no. **83350-20**
Art.no. **83300-60** Art.no. **83350-60**
Art.no. **83300** Art.no. **83350**

12VDC and **24VDC** electric pumps (respectively 83300 and 83350 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. 030067
- ø 28 mm Aluminum lock ring art.no. 030066.



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
83300-20	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
83300-60			1150 mm	740 mm						50 kg	13 kg
83300			1360 mm	950 mm						180 kg	14 kg
83350-20	24 VDC		890 mm	480 mm						18 - 25 kg	12 kg
83350-60			1150 mm	740 mm						50 kg	13 kg
83350			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

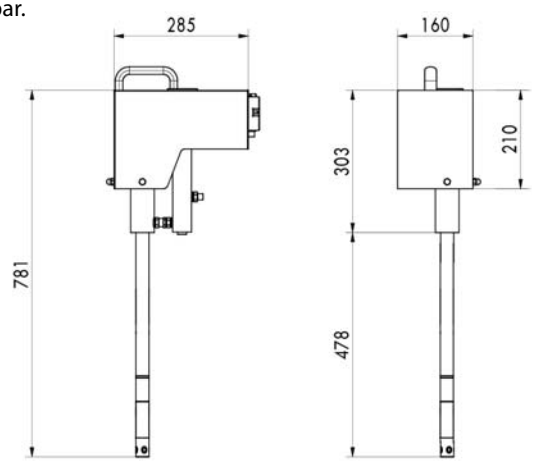
SUITABLE FOR:

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

Art.no. **83390-20**
Art.no. **83390-60**
Art.no. **83390**

Art.no. **83395-20**
Art.no. **83395-60**
Art.no. **83395**

12 VDC and **24 VDC portable** electric pumps (respectively 83390 and 83395 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
83390-20	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
83390-60										50 kg	
83390										180 kg	
83395-20	24 VDC									18 - 25 kg	
83395-60										50 kg	
83395										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. **83800**
Art.no. **83800-60**

Trolley
Art.no. **80726**

Not included



Not included

Art.no. **83001**

Trolley
Art.no. **80792**

OPTIONAL

ELECTRICAL SAFETY PANEL 230 VAC SINGLE-PHASE



Adjustable pressure switch

Art.no. **70950**

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.	Dimensions (mm)	Weight	Ampere	Frequency	Protection
70950	195x150x170(h)	3 kg	4 A	50 Hz	IP 55

Kit base composition:

- electric pump (art.no. 83400-60);
- rubber hose SAE 100 R2 AT, 1/4" BSP length 3 m (art.no. 81003);
- gun with flexible hose – length 300 mm - ø10mm and four-jaws fitting (art.no. 88410);
- triple swivel joint (Art.no. 88442).

Art.no. **83800**

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. 80520)
- follower plate ø 310-260 mm (art.no. 80628-VU)
- trolley with 4 rotating wheels (art.no. 80726).

Art.no. **83800-60**

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. 80560)
- follower plate ø 390-325 mm (art.no. 80634-VU)
- trolley with 4 rotating wheels (art.no. 80726).

Art.no. **83001**

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. 80580)
- follower plate ø 590-540 mm (art.no. 80684-VU)
- trolley with 4 special rotating wheels suitable for uneven floors (art.no. 80792).

Art.no.	Voltage	Ampere	Engine revolutions reduction ratio	Suction tube dimensions	Max Outlet pressure	Flow rate	RPM	Power	Suitable for drums of	Weight
83800	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
83800-60									50 kg	52 kg
83001									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. **2001.0166**

Pressure relief valve.
Body in aluminium alloy and cartridge in galvanized steel.
Supplied with a glycerine manometer with graduation of 0 – 400 bar and regulation screw for the selection of the required maximum pressure.
Connections (BSP): inlet 1/2" (F) – outlet 1/2" (M).



Art.no. **3206.0036**

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. **70950**
230 V - 1ph



Art.no. **70950**

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. 3206.0036
- 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. **70955**
230 V - 3ph



Art.no. **70955**

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. 3206.0036.

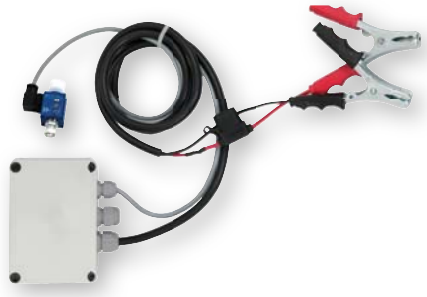
Art.no. **70960**
380 V - 3ph



Art.no. **70960**

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. 3206.0036.

Art.no.	Dimensions	Alimentation	Weight	Ampere	Frequency	Protection
70950	195x150x170(h)	230 VAC	3 kg	4 A	50 Hz	IP 55
70955	600x400x280(h) mm		10 kg			
70960		380 VAC				



Art.no. **70970**

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. **70975**

Electrical safety panel like art. no. 70970 but for 24 VDC models.

Art.no.	Dimensions	Alimentation	Weight	Protection
70970	180x95x95 (h) mm	12 VDC	1 kg	IP 55
70975		24 VDC		