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684 530

684 512

684 540

# POLUX



### 12 AND 24 V DC DIESEL TRANSFER PUMPS, 40 LITRES / MIN

Self priming diesel transfer pumps with 12 or 24 V DC motor. Pump includes by-pass valve, built in filter (can be easily removed to clean) and carrying handle. Electric motor with IP-55 ingress protection, on/off switch and fuse. Includes 2 m cable with crocodile clamps. Inlet/outlet connection: 1" BSP (F) or flange coupling.

**684 530 Diesel transfer pump. 12 V , 40 l/min**

**684 531 Diesel transfer pump. 24 V , 40 l/min**

### 12 AND 24 V DC DIESEL TRANSFER PUMP KITS, 40 LITRES / MIN

12 or 24 V diesel transfer pumps equipped with 4 m x 19 mm delivery hose, aluminium delivery nozzle and 2 m cable with crocodile clamps.

**684 512 Diesel transfer pump kit, 12 V, 40 l/min**

**684 524 Diesel transfer pump kit, 24 V, 40 l/min**

### 12 AND 24 V DC DIESEL TRANSFER PUMPS WITH METER, 40 LITRES / MIN

12 or 24 V diesel transfer pumps equipped with a three digit meter for diesel and 2 m cable with crocodile clamps. Meter is flange coupled to the pump and includes a 90° swivelling outlet.

**684 540 Diesel transfer pump with meter. 12 V , 40 l/min**

**684 541 Diesel transfer pump with meter. 24 V, 40 l/min**

#### Options: (not included in PN 684 530 / 684 531, some options included in other kits as per above texts).

- **689 030:** 2 m x 25 mm suction hose with foot valve.
- **689 035:** Telescopic suction tube for 200 l drums.
- **689 021:** 4 m x 19 mm delivery hose. Connection threads: 1" BSP (M).
- **361 000:** Aluminium delivery nozzle. 1" BSP (F).
- **688 300:** Automatic delivery nozzle, 60 l/min. 1" BSP (F).
- **680 300:** Volume meter for diesel. Connection threads: 1" BSP (F). 10 bar maximum working pressure.
- **689 044:** 90° swivelling connection, 1" BSP (MF), to connect a delivery hose to the meter outlet.

684 461

684 451



## 12 AND 24 V DC DIESEL TRANSFER PUMP KITS, 60 LITRES / MIN

12 or 24 V diesel transfer pumps equipped with 4 m x Ø 19 mm delivery hose, automatic shut off nozzle and 2 m cable with crocodile clamps.

**684 461 Diesel transfer pump kit. 12 V, 60 l/min**

**684 460 Diesel transfer pump kit. 24 V, 60 l/min**

## 12 AND 24 V DC DIESEL TRANSFER PUMP, 60 LITRES / MIN

Self priming transfer pump with 12 or 24 V DC motor. Pump includes by-pass valve, built in filter (can be easily removed to clean) and carrying handle. Electric motor with IP-55 ingress protection, on/off switch and fuse. Includes 2 m cable with crocodile clamps. Inlet / outlet connection: 1" BSP (F) or flange coupling.

**684 451 Diesel transfer pump. 12 V, 60 l/min**

**684 450 Diesel transfer pump. 24 V, 60 l/min**

**Options: (not included in PN 684 461 / 684 480, some options included in 684 451 / 684 450 as per above texts).**

- **689 030:** 2 m x 25 mm suction hose with foot valve.
- **689 021:** 4 m x 19 mm delivery hose. Connection threads: 1" BSP (M).
- **688 300:** Automatic delivery nozzle, 60 l/min. 1" BSP (F).
- **680 300:** Volume meter for diesel. Connection threads: 1" BSP (F). 10 bar maximum working pressure.
- **689 044:** 90° swivelling connection, 1" BSP (MF), to connect a delivery hose to the meter outlet.

685 720

685 741

685 730



#### 230 V AC DIESEL TRANSFER PUMPS, 50 AND 70 L/MIN

Self priming diesel transfer pumps with 230 V - 50 Hz AC motor. Pump includes by-pass valve and built in filter, which can be easily removed to clean. Electric motor with IP-55 ingress protection, on/off switch and fuse. Includes 1.8 m cable. Inlet/outlet connection: 1" BSP (F) or flange coupling.

**685 720 Diesel transfer pump. 230 V - 370 W, 50 l/min**

**685 721 Diesel transfer pump. 230 V - 500 W, 70 l/min**

#### 230 V AC DIESEL TRANSFER PUMP KITS, 50 AND 70 L/MIN

230 V - 50 Hz AC diesel transfer pumps equipped with 4 m delivery hose, aluminium delivery nozzle and 2 m cable.

**685 741 Diesel transfer pump kit. 230 V - 370 W, 50 l/min**

**685 771 - Diesel transfer pump kit. 230 V - 500 W, 70 l/min**

#### 230 V AC DIESEL TRANSFER PUMPS WITH METER, 50 AND 70 L/MIN

230 V - 50 Hz AC diesel transfer pumps equipped with a three digit meter for diesel and 2 m cable. Meter is flange coupled to the pump and includes a 90° swivelling outlet.

Meter valid for non commercial applications only.

**685 730 Diesel transfer pump with meter. 230 V - 370 W, 50 l/min**

**685 731 Diesel transfer pump with meter. 230 V - 500 W, 70 l/min**

#### Options: (not included in PN 685 720 / 685 721, some options included in other kits as per above texts).

- **689 030:** 2 m x 25 mm suction hose with foot valve.
- **689 036:** 1,000/1,800 mm telescopic suction tube for tanks.
- **689 021:** 4 m x 19 mm delivery hose. Connection threads: 1" BSP (M). For 50 l/min pump.
- **689 022:** 4 m x 25 mm delivery hose. Connection threads: 1" BSP (M). For 70 l/min pump.
- **361 000:** Aluminium delivery nozzle. 1" BSP (F).
- **688 300:** Automatic delivery nozzle, 60 l/min. 1" BSP (F).
- **680 300:** Volume meter for diesel. Connection threads: 1" BSP (F). 10 bar maximum working pressure.
- **689 044:** 90° swivelling connection, 1" BSP (MF), to connect a delivery hose to the meter outlet.

685 750

685 716

685 715

# ARTS



### DIESEL TRANSFER KITS WITH METER

Diesel transfer kits for 200 l drums or tanks. Kits include a 230 V - 50 Hz diesel pump with 1.8 m cable, 4 m delivery hose with aluminium nozzle and a three digit meter, flange mounted to the pump and with a 90° swivelling elbow outlet. Fluid inlet connection 1" BSP (F).

Meter valid for non commercial applications only.

**685 750 Diesel transfer kit with meter.**  
230 V - 370 W, 50 l/min

**685 751 Diesel transfer kit with meter.**  
230 V - 500 W, 70 l/min



### WALL MOUNTED PUMP KITS

50 or 70 l/min pump mounted on a brack plate for wall or tank mounting. The unit includes a 230 V - 50 Hz diesel pump with on/off switch and 1.8 m cable, wall mounting back plate, 4 m delivery hose, aluminium nozzle and a three digit meter, flange mounted to the pump and with a 90° swivelling elbow outlet. Fluid inlet connection 1" BSP (F).

Meter valid for non commercial applications only.

**685 710 Wall mounted pump kit.**  
230 V - 370 W, 50 l/min

**685 713 Wall mounted pump kit.**  
230 V - 500 W, 70 l/min

**685 716 Wall mounted pump kit.**  
230 V - 500 W, 70 l/min  
Includes automatic nozzle.



### WALL MOUNTED PUMP CABINETS

50 or 70 l/min pump mounted in cabinet for wall or tank mounting. The unit includes a 230 V - 50 Hz diesel pump with 1.8 m cable, cabinet with nozzle holder with automatic on/off switch, 4 m delivery hose, automatic nozzle and a three digit meter, flange mounted to the pump and with a 90° swivelling elbow outlet. Fluid inlet connection 1" BSP (F).

Meter valid for non commercial applications only.

**685 712 Wall mounted pump cabinet.**  
230 V - 370 W, 50 l/min

**685 715 Wall mounted pump cabinet.**  
230 V - 500 W, 70 l/min

#### Not included options

- **689 030:** 2 m x 25 mm suction hose with foot valve.
- **689 036:** 1,000/1,800 mm telescopic suction tube for tanks.
- **689 035:** 1,000 mm telescopic suction tube for 200 l drums.

#### Not included options

- **689 031:** 4 m x 25 mm suction hose with foot valve.
- **689 037:** 2 m x 25 mm hose connecting to 1.000/1.800 mm telescopic suction tube.



680 300 - 366 726



## DIESEL METERS

**680 300 Diesel meter with mechanical 3 digit register, 100 l/min**

Nutating-disk meter for diesel with mechanical register. Reliable, easy to install and simple to calibrate. Very low pressure drop; it can also be used for gravity fed applications. Resettable partial reading up to 999.9 litres and permanent 6 digit totaliser.

1" BSP (F) and inlet and outlet, both with flange for optional flange mounting. The meter allows the inlet and outlet axis to be orientated in four different positions with respect to the register orientation. Maximum working pressure: 10 Bar. Flow range: 10 to 100 l/minute. Precision after calibration:  $\pm 1\%$

Meter valid for non commercial applications only.

**680 301 Diesel meter with mechanical 4 digit register, 100 l/min**

Similar to model 680 300, but with 4 digit register.

**366 726 In-line volume meter with electronic digital display, 100 l/min**

Oval gear meter with electronic digital register for diesel and lubricants up to SAE 240. Reliable, easy to install and simple to calibrate. Resettable partial reading up to 999.9 litres and permanent 6 digits totaliser.

Fluid inlet/outlet: 1" BSP (F). Maximum working pressure: 70 bar. Flow range: 9.5 l/min to 100 l/min. Precision after calibration:  $\pm 0.5\%$ . Meter works with two AAA 1.5 V alkaline batteries.

## DIESEL PUMP ACCESSORIES

361 000 - 688 001



## NOZZLES

**361 000 Aluminium manual nozzle**

Fluid inlet: 1" BSP (F). Maximum delivery: 100 l/min. Includes inlet swivel and lockable trigger.

**688 300 Automatic nozzle 60 l/min**

Fluid inlet: 1" BSP (F). Maximum delivery: 60 l/min.

**688 001 Automatic nozzle 80 l/min**

Fluid inlet: 1" BSP (F). Maximum delivery: 80 l/min. Includes inlet swivel.

**364 030 Inlet swivel**

For 1" BSP (F) nozzles. Inlet/outlet threads: 1" BSP (FM).

## HOSES

Rubber hoses with swaged terminals, 1" BSP (M).

**689 021, 4 m x 19 mm delivery hose****689 022, 4 m x 25 mm delivery hose**

689 036



## SUCTION ACCESSORIES

**Suction hoses**

Rubber suction hoses with foot valve. Connection thread 1" BSP (M).

**689 030, 25 mm x 2 m Suction hose****689 031, 25 mm x 4 m Suction hose****Telescopic suction tubes**

Telescopic suction tubes for connecting directly to the pump inlet. 1" BSP (M) connection, 2" (M) bung adaptor and foot valve with filter.

**689 035 Telescopic suction tube, 1,000 mm**

For drums or tanks with a maximum height of 900 mm.

**689 036 Telescopic suction tube, 1,800 mm**

For tanks with a maximum height between 1,000 and 1,800 mm.

**689 037 Suction attachment**

2 m x 25 mm hose connecting to 1,000 mm/1,800 mm telescopic suction tube.

561 012

561 025

561 026

# FLOWSTAR



## 12 AND 24 V DC GEAR PUMPS FOR OIL

Gear pumps for oil up to ISO VG 320 viscosity with 12 V DC (35 Amp) or 24 V DC (16 Amp) IP-55 motor. Pump gears are manufactured in sintered steel and the pump includes carrying handle and 2 m cable with crocodile clamps.

Maximum delivery: 4.5 l/min.

Maximum pressure: 9 bar.

Maximum suction head: 2.5 m.

Inlet thread: 3/4" BSP (F).

Outlet thread: 1/2" BSP (F).

**561 012 Oil gear pump. 12 V DC, 5 l/min**

**561 024 Oil gear pump. 24 V DC, 5 l/min**

## 12 AND 24 V DC GEAR PUMP FOR OIL KITS WITH METER

12 V or 24 V gear pumps for oil equipped with 3 m suction hose with foot valve, 3 m x 1/2" delivery hose and hose end meter 365 603. Approximate delivery: 4 l/min.

**561 013 Gear pump for oil kit with meter, 12 V DC**

**561 025 Gear pump for oil kit with meter, 24 V DC**

## 12 AND 24 DC GEAR PUMPS FOR OIL KITS

12 V or 24 V gear pump for oil equipped with 3 m suction hose with foot valve, 3 m x 1/2" delivery hose and control gun 363 078. Approximate delivery: 4 l/min.

**561 014 Gear pump for oil kit, 12 V DC**

**561 026 Gear pump for oil kit, 24 V DC**



Internal gear electric pumps for lubricants. 230 V - 50 Hz (single-phase) or 380 V - 50 Hz (three-phase) motor, depending on model, IP-55 protection and on/off switch. Cast iron pump body, sintered steel gears and by-pass valve. Motor with mounting feet, the pump can be mounted horizontally on a flat surface or vertically on a wall.

#### 600 W - 9 l/min - 10 BAR PUMPS

Recommended for use in small distribution systems with one outlet (delivery hose or hose reel with hose end meter).

TECHNICAL DATA	
Electric motor power	600 W (3/4 hp)
Nominal delivery, continuous duty	9 l/m (2.4 US gpm)
Maximum fluid pressure	10 bar (145 psi)
Maximum suction lift	2.5 m (8.3')
Fluid Inlet /outlet threads	3/4" BSP (F) or flange coupling

#### 561 100 Electric oil pump 230 V - 50 Hz - 600 W - 9 l/min - 10 bar

Includes a 230 V - 600 W electric motor with 2 m cable.

#### 561 101 Electric oil pump 380 V (three-phase) - 50 Hz - 600 W - 9 l/min - 10 bar

Includes a 380 V - 600 W electric motor.

#### 780 W - 13 l/min - 15 BAR PUMPS

Recommended for use in small distribution systems with several outlets (hose reels), but without simultaneous use of two or more outlets.

TECHNICAL DATA	
Electric motor power	780 W (1 hp)
Nominal delivery, continuous duty	13 l/m (3.4 US gpm)
Maximum fluid pressure	15 bar (215 psi)
Maximum suction lift	2.5 m (8.3')
Fluid Inlet /outlet threads	3/4" BSP (F) or flange coupling

#### 561 200 Electric oil pump 230 V - 50 Hz - 780 W - 13 l/min - 15 bar

Includes a 230 V - 780 W electric motor with 2 m cable.

#### 561 201 Electric oil pump 380 V (three-phase) - 50 Hz - 780 W - 13 l/min - 15 bar

Includes a 380 V - 780 W electric motor.

#### 780 W - 10 l/min - 24 BAR PUMPS

Recommended for use in medium size distribution systems with several outlets (hose reels), but without simultaneous use of two or more outlets.

TECHNICAL DATA	
Electric motor power	780 W (1 hp)
Nominal delivery, continuous duty	10 l/m (2.4 US gpm)
Maximum fluid pressure	24 bar (340 psi)
Maximum suction lift	2.5 m (8.3')
Fluid Inlet /outlet threads	3/4" BSP (F) or flange coupling

#### 561 300 - Electric oil pump 230 V 50 Hz - 780 W - 10 l/min - 24 bar

Includes a 230 V - 780 W electric motor with 2 m cable.

#### 561 301 - Electric oil pump 380 V (three-phase) - 50 Hz - 780 W - 10 l/min - 24 bar

Includes a 380 V -780 W electric motor.



## AC OIL PUMPS WITH ELECTRIC PRESSURE SWITCH

### ELECTRIC OIL PUMPS WITH ELECTRONIC PRESSURE SWITCH

561 210

Internal gear electric pumps for lubricants. 230 V - 50 Hz, IP-55 protection motor with on / off switch. Cast iron pump body, sintered steel gears and by-pass valve. Motor with mounting feet, the pump can be mounted horizontally on a flat surface or vertically on a wall.

Pumps include an electric pressure switch that automatically starts the pump once a delivery gun is opened. Once the gun is closed and the pressure builds up again in the line, then the pressure switch automatically stops the pump.

#### **561 110 Electric oil pump with pressure switch 230 V - 50 Hz - 600 W - 9 l/min - 9.5 bar**

Includes a 230 V - 50 Hz - 600 W electric motor with 2 m cable. Recommended for use in small distribution systems with one outlet (delivery hose or hose reel with hose end meter).

##### TECHNICAL DATA

Electric motor power	600 W (3/4 hp)
Nominal delivery, continuous duty	9 l/m (2.4 US gpm)
Maximum fluid pressure	9.5 bar (135 psi)
Shut off pressure	10 bar (145 psi)
Start pressure	6 bar (85 psi)
Fluid inlet thread	3/4" BSP (F) or flange coupling
Fluid outlet thread	1" BSP (F)



#### **561 210 Electric oil pump with pressure switch 230 V - 780 W - 13 l/min - 9.5 bar**

Includes a 230 V - 50 Hz - 780 W electric motor with 2 m cable. Recommended for use in small distribution systems with several outlets (hose reels), but without simultaneous use of two or more outlets.

##### TECHNICAL DATA

Electric motor power	780 W (1 hp)
Nominal delivery, continuous duty	13 l /m (3.4 US gpm)
Maximum fluid pressure	9.5 bar (135 psi)
Shut off pressure	15.5 bar (220 psi)
Start pressure	6 bar (85 psi)
Maximum suction lift	2.5 m (8.3')
Fluid Inlet thread	3/4" BSP (F) or flange coupling
Fluid outlet thread	1" BSP (F)

#### **561 310 Electric oil pumps with pressure switch 230 V - 780 W - 10 l/min - 25 bar**

Includes a 230 V - 50 Hz - 600 W electric motor with 2 m cable Recommended for use in medium size distribution systems with several outlets (hose reels), but without simultaneous use of two or more outlets.

##### TECHNICAL DATA

Electric motor power	780 W (1 hp)
Nominal delivery, continuous duty	9 l/m (2.4 US gpm)
Maximum fluid pressure	25 bar (360 psi)
Shut off pressure	15.5 bar (220 psi)
Start pressure	6 bar (85 psi)
Maximum suction lift	2.5 m (8.3')
Fluid Inlet thread	3/4" BSP (F) or flange coupling
Fluid outlet thread	1" BSP (F)



561 615



### HIGH PERFORMANCE ELECTRIC OIL PUMPS

High performance gear pumps direct coupled to an electric motor with IP-55 ingress protection for the transfer or distribution of large volumes of lubricants.

Pump gears are manufactured in sintered steel and pump body is manufactured in cast iron. The pump is direct coupled to an electric motor. All pumps include an adjustable by-pass valve.

#### PUMPS WITH 230 V - 50 HZ SINGLE PHASE MOTOR

POWER (W)	PRESSURE (bar)	DELIVERY (l/min)	MAXIMUM FLUID VISCOSITY (cSt)	INLET - OUTLET THREADS	WEIGHT (Kg)	PART No.
750	8	25	< 270	3/4" BSP (F)	15	<b>561 615</b>
1,500	8	50	< 850	1" BSP (F)	21	<b>561 614</b>
2,000	8	70	< 1,550	1" BSP (F)	23	<b>561 611</b>

#### PUMPS WITH 400 V - 50 HZ THREE PHASE MOTOR

POWER (W)	PRESSURE (bar)	DELIVERY (l/min)	MAXIMUM FLUID VISCOSITY (cSt)	INLET - OUTLET THREADS	WEIGHT (Kg)	PART No.
1,500	10	50	< 850	1" BSP (F)	21	<b>561 613</b>
2,000	10	70	< 1,550	1" BSP (F)	23	<b>561 610</b>

562 000

562 100



#### PORTABLE ELECTRIC OIL PUMPS WITH HOSE END METER

Electric oil pumps assembled onto a mounting plate with carrying handle and fitted with a suction hose for 200 litre drums or 1,000 litre IBCs, delivery hose and hose end meter. Approximate delivery: 5 litres/min.

##### 562 000 Portable electric oil pump with hose end meter

###### Includes:

- 561 100: Electric oil pump 230 V - 600 W - 9 l/min - 10 bar.
- 756 200: Carrying handle.
- 367 011: Suction hose, 3 m. with foot valve.
- 945 554: 3/4" BSP (M) x 1/2" BSP (M) connection adaptor.
- 362 103: 3 m x 1/2" oil hose.
- 365 603: Hose end meter with semiautomatic non drip nozzle.

##### 562 001 Portable electric oil pump with pressure switch and hose end meter

As per package 562 000, but instead of electric pump 561 100 includes electric pump 561 110, 230 V - 600 W - 9 l/min - 10 bar oil pump with electric pressure switch.

#### MOBILE OIL DISPENSERS FOR 200 LITRE DRUMS WITH ELECTRIC PUMP

**562 100 Mobile oil dispensers with electric pump for 200 litre drums**  
Approximate delivery: 5 l/min.

###### Includes:

- 561 100: Electric oil pump 230 V - 600 W - 9 l/min - 10 bar.
- 432 000: Trolley for 200 l drums.
- 360 134: Pump mounting plate.
- 367 011: Suction hose, 3 m. with foot valve.
- 945 554: 3/4" BSP (M) x 1/2" BSP (M) connection adaptor.
- 362 103: 3 m x 1/2" oil hose.
- 365 603: Hose end meter with semiautomatic non drip nozzle.

##### 562 101 Mobile oil dispenser for 200 litre drums with electric oil pump with pressure switch

As to model 562 100 but instead of electric pump 561 100 includes electric pump 561 110 a 230 V - 600 W, 9 l/min, 10 bar oil pump with electric pressure switch.

562 105



#### ELECTRIC OIL PUMP PACKAGE FOR 1,000 LITRE IBCs

##### 562 105 Electric pump package for 1,000 litre IBCs

###### Includes:

- 561 100: Electric oil pump 230 V - 600 W 9 l/min - 10 bar.
- 360 108: mounting plate for 1,000 l IBCs
- 735 304: Suction hose
- 945 554: 3/4" BSP (M) x 1/2" BSP (M) connection adaptor
- 362 106: 6 m x 1/2" oil hose.
- 365 603: Hose end meter with semiautomatic non drip nozzle.

##### 562 106 Electric pump with pressure switch package for 1,000 litre IBCs

As model 562 105, but instead of electric pump 561 100 includes electric pump 561 110, a 230 V - 600 W - 9 l/min - 10 bar oil pump with electric pressure switch.

## ELECTRIC OIL PUMP PACKAGES

562 206



#### ELECTRIC OIL PUMP AND HOSE REEL PACKAGES

Wall mounted pump with hose reel and hose end meter. Packages can be used with 200 l drums or with 1,000 l IBCs using an adequate adaptor for the suction assembly. Delivery approximately 6 l/min.

##### 562 205 Pump + hose reel + meter package for 200 litre drum or 1,000 litre IBCs

###### Includes:

- 561 200: Electric oil pump 230 V - 780 W - 13 l/min - 15 bar.
- 756 201: Wall mounting plate.
- 367 000: Suction assembly for 200 l drums or 1,000 l IBCs
- 945 554: 3/4" BSP (M) x 1/2" BSP (M) connection adaptor
- 501 200: Open type hose reel with 10 m x 1/2" hose
- 365 603: Hose end meter with semiautomatic non drip nozzle.
- 360 127: Drip holster with gun holder.

##### 562 206 Pump + hose reel + meter package for 200 litre drums or 1,000 litre IBCs

As model 562 205, but instead of electric pump 561 200 includes electric pump 561 210 a 230 V - 780 W - 13 l/min - 15 bar oil pump with electric pressure switch.