

# 01 / Self-suction gear pumps

P. 140 → Flow curves
· Self-suction gear
pumps

(6) LUBRICANT

EA-88 0.37 kW 230 VAC · EA-88 0.74 kW 230 VAC

20-25 l/min

0.37 · 0.74 kW

1/2" BSP

Self-suction gear pumps with recirculation bypass system and thermal protector.



#### TECHNICAL DATA

Free flow: 20-25 l/min
Frequency: 50/60 Hz
Operation: S1 continuous
Motor speed: 1,500 rpm
Protection: IP-55
Suction: 2.5 m

Connection: 1/2" GAS (BSP)

#### COMPONENTS

- > 3 m 230 VAC connection cable with F-type plug
- > ON/OFF switch

#### PACKAGING

- EA-88 0.37 kW · EA-88 0.74 kW: 410x230x340 mm LxWxH (approx.)
- (A) EA-88 0.37 kW: 10 kg · EA-88 0.74 kW: 12.3 kg (approx.)
- EA-88 0.37 kW · EA-88 0.74 kW: 50 units / pallet (EUR-pallet)

	Motor	Consumption	Bypass pressure	Lubricant viscosity	Dimensions (approx.)	Net weight (approx.)	Fluidos	
EA-88 0.37 kW 230 VAC	0.37 kW	2-4 A	5-6 bar	200 cSt	260x160x190 mm	9.3 kg	<b>(</b>	03000-CF00000
EA-88 0.74 kW 230 VAC	0.74 kW	4-6 A	9-10 bar	350 cSt	290x190x200 mm	13.2 kg	0	03070-CF00000

Optional

① Pump support handle	030003001

#### EA-88 0.37 kW · 0.74 kW 230 VAC with pressure switch

20-25 l/min

0.37 · 0.74 kW

1/2" BSP

Advisable in an industrial supply installation at long distance. It allows the pump to be started and stopped by opening or closing the nozzle.

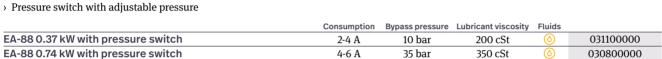
TECHNICAL DATA

Free flow: 20-25 l/min S1 continuous Operation: Motor speed: 1,500 rpm IP-55 **Protection: Suction:** 2.5 m

Connection: 1/2" GAS (BSP)

COMPONENTS

> Check valve



#### Optional

① Pump support handle	030003001
② Vacuum gauge	8035000020

#### EA-90 12/24 VDC

20-25 l/min

0.37 kW

1/2" BSP

Self-suction gear pumps with recirculation bypass.

**TECHNICAL DATA** 

Free flow: 20-25 l/min Motor: 0.37 kW Operation: S1 continuous Motor speed: 1,500 rpm Bypass pressure: 5-6 bar **Protection:** IP-55 **Suction:** 2.5 m Connection: 1/2" GAS (BSP) **Lubricant viscosity:** 200 cSt

Dimensions (approx.): 300x143x173 mm Net weight (approx.): 8.5 kg

COMPONENTS

> 2 m cable with clamps



**PACKAGING** 

410x230x340 mm LxWxH (approx.)

9.4 kg (approx.)

(A) 50 units / pallet (EUR-pallet)

	Consumption	Fluids	
EA-90 12 VDC	35-55 A	0	03014-CF00000
EA-90 24 VDC	20-32 A	<b>(</b>	03090-CF00000

**Self-suction gear** pumps

P. 140 → Flow curves · Self-suction gear pumps

(b) LUBRICANT

**Self-suction gear** pumps

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(b) LUBRICANT

#### EA-65 230 · 230/400 VAC

50-55 l/min

2.2 kW

F1 1/4" BSP

Self-suction gear pumps with recirculation bypass and thermal protector for lubricant with average/low density.

TECHNICAL DATA

50-55 l/min Free flow: 2.2 kW self-ventilated Motor: Operation: S1 continuous Motor speed: 1,400 rpm **Protection:** IP-55 **Suction:** 2.5 m

**Connection:** F1 1/4" GAS (BSP) Dimensions (approx.): 570x200x260 mm

Net weight (approx.): 26.7 kg

COMPONENTS

- > Connection cable > ON/OFF switch



	Cable	Fluids	
EA-65 230 VAC · Single-phase	3 m	0	03040-CF00000
EA-65 230/400 VAC · Triphase	60 cm	(O)	030400300

#### Self-suction pumps · other options

30-1,000 l/min

Monobloc · Bedplate

Self-suction gear pumps, monobloc or bedplate. Pump and motor configuration according to the needs of the installation and the fluid.



# 02 / Electric kits for lubricant

#### Kits with electronic meter

20-55 l/min

0.37 · 0.74 · 2.2 kW

Supply kits with self-suction gear pump and MGE-40 or MGE-250 electronic gear meter.

P. 134 → Self-suction gear pumps

P. 143 → Electronic meters

(b) LUBRICANT



- > Self-suction gear pump
- > Electronic gear meter
- > Connection cable
- > ON/OFF switch

	Pump	Meter	Dimensions (approx.)	Net weight (approx.)	Fluids	
SEA-88 0.37 kW 230 VAC	EA-88 0.37 kW 230 VAC	MGE-40	260x210x205 mm	10.5 kg	<b>(</b>	312000100
SEA-88 0.74 kW 230 VAC	EA-88 0.74 kW 230 VAC	MGE-40	300x270x220 mm	13.5 kg	<b>(</b>	312000200
SEA-90 0.37 kW 12 VDC	EA-90 0.37 kW 12 VDC	MGE-40	310x220x180 mm	9 kg	0	314700000
SEA-90 0.37 kW 24 VDC	EA-90 0.37 kW 24 VDC	MGE-40	310x220x180 mm	9 kg	0	315500000
SEA-65 2.2 kW 230 VAC	EA-65 2.2 kW 230 VAC	MGE-250	590x385x270 mm	33 kg	<b>(</b>	317600000
SEA-65 2.2 kW 230/400 VAC	EA-65 2.2 kW 230/400 VAC	MGE-250	590x385x270 mm	33 kg	0	31761-CF00000

#### 02 /

#### Electric kits for lubricant

P. 134 → Self-suction gear pumps

P. 143 → MGE-40

P. 154 → PG-40 · Manual nozzle

P. 154 → PMGE-40 · Electronic nozzlemeter



#### KDE-200 · 200 L drum kit

Electric self-suction kits easy to install on a 200 L drum or wall-fixed.

#### COMPONENTS

- > EA-88 0.37 or 0.74 kW 230 VAC pump
- $\rightarrow$  4 m R1 ؽ" delivery hose with adapters in both ends
- $\rightarrow$  1 m Ø<sup>3</sup>/<sub>4</sub>" transparent suction hose with valve and York filter
- > Bung adapter
- > PG-40 manual nozzle or PMGE-40 electronic nozzle-meter with 60° rigid outlet with non-drip valve
- > 2 universal hook sets to hang the nozzle and the hose

	Meter	Fluids	
KDE-200 0.37 kW	No	0	206200000
KDE-200E 0.37 kW	MGE-40	0	206300000
KDE-200 0.74 kW	No	0	220100000
KDE-200E 0.74 kW	MGE-40	0	206500000



#### KEB1-200 · 200 L drum kit

Electric self-suction kits easy to install on a 200 L drum or wall-fixed.

#### COMPONENTS

- > EA-88 0.74 kW 230 VAC pump
- > 4 m R1 Ø1/2" delivery hose with adapters in both ends
- ightarrow ightarrow ightarrow ightarrow ightarrow metallic suction tube kit  $\cdot$  height 1 m with York filter
- > Bung adapter
- > PG-40 manual nozzle or PMGE-40 electronic nozzle-meter with  $60^{\rm o}$  rigid outlet with non-drip valve

	Meter	Fluids	
KEB1-200	No	0	203300000
KEB1-200E	MGE-40	(A)	203400000



#### 200 L drum kit with hose-reel

Electric self-suction kits easy to install on a 200 L drum or wall-fixed.

#### COMPONENTS

- > EA-88 0.74 kW 230 VAC pump
- $\rightarrow$  12 m R1 ؽ" delivery hose with adapters in both ends
- $\rightarrow$  3/4" metallic suction tube kit  $\cdot$  height 1 m with York filter
- > Bung adapter
- > PG-40 manual nozzle or PMGE-40 electronic nozzle-meter with 60° rigid outlet with non-drip valve
- > Open hose-reel

	Meter	Fluids	
KEBE-200	No	0	203500000
KEBE-200E	MGE-40	(6)	203600000



#### Optional

Optional	
① Universal zinc-plated hook set	800404049
② Pump support handle	030003001
4" F2" adapter plug for 1,000 L tanks	805204004
DP-1000LX · Polythene tank of 1,000 L	370300000
CE-200 $\cdot$ 185 kg drum trolley for hose-reel	686400100
Universal support	800404259

#### 1,000 L tank kit · lower suction

Electric self-suction kits easy to install in all type of tanks or wall-fixed.

#### COMPONENTS

- > EA-88 0.37 or 0.74 kW 230 VAC pump
- $\rightarrow$  6 m R1 ؽ" delivery hose with adapters in both ends
- > PG-40 manual nozzle or PMGE-40 electronic nozzle-meter with  $60^{\rm o}$  rigid spout with non-drip valve
- > Universal support with nozzle hanger
- > TAC · Aluminium adapter plug

	Meter	Fluids	
KDE-1000 Inf. 0.37 kW	No	0	206400100
KDE-1000E Inf. 0.37 kW	MGE-40	0	202900100
KDE-1000 Inf. 0.74 kW	No	0	220200100
KDE-1000E Inf. 0.74 kW	MGE-40	0	206600100



#### Electric kits for

lubricant
P. 134 → Self-suction

gear pumps

P. 143 → MGF-40

P. 154 → PG-40 · Manual nozzle

P. 154 → PMGE-40 · Electronic nozzlemeter

**(b)** LUBRICANT

#### 1,000 L tank kit · direct top suction

Electric self-suction kits easy to install in all type of tanks or wall-fixed.

#### COMPONENTS

- > EA-88 0.37 or 0.74 kW 230 VAC pump
- $\rightarrow 6$  m R1 ؽ" delivery hose with adapters in both ends
- > PG-40 manual nozzle or PMGE-40 electronic nozzle-meter with  $60^{\rm o}$  rigid spout with non-drip valve
- > Universal support with nozzle hanger
- > TAC · Aluminium adapter plug
- > 2" bung adapter and adapter plug for 1,000-litre tanks
- $\rightarrow$  3/4" metallic suction tube kit  $\cdot$  height 1 m with filter built in

	Meter	Fluids	
KDE-1000 Sup. 0.37 kW	No	0	206400000
KDE-1000E Sup. 0.37 kW	MGE-40	0	202900000
KDE-1000 Sup. 0.74 kW	No	0	220200000
KDE-1000E Sup. 0.74 kW	MGE-40	(O)	206600000



#### DAE-1000 · 1,000 L tank kit

Electric dispenser kit for 1,000 L tanks with special metallic support.

- > EA-88 0.74 kW 230 VAC pump
- > 10 m R1 ؽ" delivery hose
- ightarrow 3/4" metallic suction tube kit  $\cdot$  height 1 m with York filter
- > PMGE-40 electronic nozzle-meter with flexible tube with 90° rigid spout and non-drip valve
- > Metallic support with PMGE-40 protector and oil drip-receiver
- $\rightarrow \,$  R1 Ø1/2" delivery hose with adapters in both ends, hose-reel connection to pump
- > R1 Ø1/2" delivery hose with adapters in both ends, suction connection to pump
- > Open hose-reel
- > 4" F2" adapter plug and bung adapter

	Fluids	
DAE-1000	<b>(a)</b>	126900000





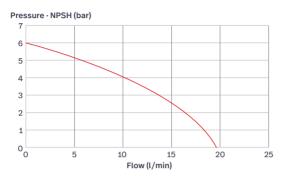
# 03 / Flow curves · Self-suction gear pumps

P. 134 → EA-88 0.37 kW 230 VAC · EA-88 0.74 kW 230 VAC

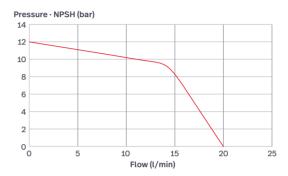
P. 135 → EA-90 12/24 VDC

P. 136 → EA-65 230 · 230/400 VAC

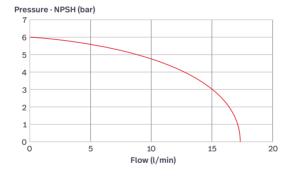
#### EA-88 0.37 kW 230 VAC



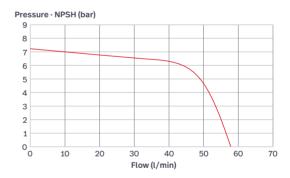
#### EA-88 0.74 kW 230 VAC



#### EA-90 0.37 kW 12/24 VDC



#### EA-65 2.2 kW 230 VAC



# 04 / High flow pumps

#### **BDP Lube**

P. 42 → High flow meters

(b) LUBRICANT

100-1,000 l/min

1 1/2"-4" BSP

2.5-3.5 bar

Bedplate high flow vane pumps of positive displacement with electric motor and bypass valve.



**TECHNICAL DATA** 

Operation:S1 continuousMotor speed:1,500 rpmProtection:IP-55Pressure:2.5-3.5 bar

Connection: BSP thread or Welded flange

	Free flow	Moto	r Motor voltage	e BSP thread	Dimensions (approx.)	Net weight (approx.)	Fluids	
BDP-100 LUBE · IP-55	100 l/min	2.2 k	N 230/400 VA	C F1 ½"	1,012x250x320 mm	55 kg	0	101900400
	Free flow	Motor	Motor voltage	Welded flange	Dimensions (approx.)	Net weight (approx.)	Fluids	-
BDP-200 LUBE · IP-55	200 l/min	4 kW	230/400 VAC	2 1/2"	1,101x300x343 mm	85.5 kg	0	101400300
BDP-500 LUBE · IP-55	500 l/min	7.5 kW	400/690 VAC	3"	1,193x350x410 mm	148.5 kg	0	102800200
BDP-1000 LUBE · IP-55	1,000 l/min	11 kW	400/690 VAC	4"	1,509x400x538 mm	227 kg	0	103000100

Optional

1 Prefilter



# 05 / Manual pumps

( DIESEL

(6) LUBRICANT

#### BP-5 · Manual lever pump

Manual lever pump for the transfer of diesel or lubricant from metallic drums of 50 to 200 litres.

**TECHNICAL DATA** 

**Transfer capacity:** 300 ml x piston-stroke

COMPONENTS

- > Pump made of steel, aluminium, zinc, brass, NBR
- > 870 mm metallic suction telescopic tube with 3/4" connection to the pump
- $\rightarrow 1\,{}^{1}\!/_{\!2}"$  or 2" connection adaptable to metallic drums from 50 to 200 litres

	Fluids	
BP-5 · Manual lever pump	<b>00</b>	040100000



#### BMP · Manual piston pump

Manual piston pump of double action suitable for diesel, oil, fuel and alcohol.

TECHNICAL DATA

**Transfer capacity:** 800 ml x piston-stroke

Inlet • Oulet connection:  $1'' \cdot \frac{3}{4}''$ 

COMPONENTS

- > 2.5 m Ø<sup>3</sup>/<sub>4</sub>" hose
- > Drum plug adjustable at 2"
- > 1 m Ø33.5" suction tube
- > Heavy-duty steel handle
- › Nozzle hanger

	Fluids	
BMP · Manual piston pump	00	040200000

#### BRM-88 · Rotary aluminium pump

Self-suction rotary blade pump.
Adaptable to drums from 50 to 200 litres.

TECHNICAL DATA

Transfer capacity: 2.85 L x 20 rounds

Net weight (approx.): 6.6 kg

- > 970 mm Ø32 mm suction tube
- > Ø25 mm discharging tube
- > M2" adapter adjustable in height for the drum fixation
- > Aluminium die casting steel handle
- Viton joints

	riulus	
BRM-88 · Rotary aluminium pump	<b>(</b>	040300000



# 06 / Electronic meters

#### MGE-40

( DIESEL



2-40 l/min

±0.5% accuracy

1/2"

Electronic meter with high accuracy oval gears and tropicalised electronics. For private use, not suitable for fiscal operations.



#### TECHNICAL DATA

Accuracy: $\pm 0.5\%$ Max. pressure:50 barAmbient temperature: $\pm 10 \text{ °C} / \pm 50 \text{ °C}$ Display integers and decimals:999.99 / 999.9 / 999.99Totaliser:99,999 (5 digits)Connection: $F^{1}/2^{11} \text{ BSP (NPT available)}$ 

Dimensions (approx.): 85x60x85 mm Net weight (approx.): 0.5 kg

#### COMPONENTS

- > Aluminium measuring chamber
- > Tropicalised electronics
- > Digital display of liquid crystal (supplied volume or total volume)
- > Control buttons (RESET & TOTAL)
- > Non volatile memory to save calibration parameters and litre totaliser
- > Long life battery (approx. 4 years)
- > Low consumption display
- > Flexible rubber removable protective case

#### PACKAGING

- 130x105x80 mm LxWxH (approx.)
- ① 0.6 kg (approx.)
- 1,000 units / pallet (EUR-pallet)

	Diesel flow	Lubricant flow	Fluids	
MGE-40	2-50 l/min	2-40 l/min	(d) (d)	32350-CF00000



06 / Electronic

meters

#### MGE-110

5-80 l/min

±0.5% accuracy

1"

(a) DIESEL
(b) LUBRICANT

Electronic meter with high accuracy oval gears and tropicalised electronics. For private use, not suitable for fiscal operations. Its design allows you to install it in 4 different positions.



#### TECHNICAL DATA

 Accuracy:
 ±0.5%

 Max. pressure:
 55 bar

 Ambient temperature:
 -10 °C / +50 °C

 Display integers and decimals:
 999.99 / 999.9 / 99999

 Totaliser:
 99,999 (5 digits)

Connection: F1" BSP threads and flanges

Dimensions (approx.): 123x68x123 mm Net weight (approx.): 0.85 kg

#### COMPONENTS

- › Aluminium body
- > Tropicalised electronics
- > Digital display of liquid crystal (supplied volume or total volume)
- > Control buttons (RESET & TOTAL)
- Non volatile memory to save calibration parameters and litre totaliser
- > Button battery of long duration (approx. 4 years)
- > Low battery display

#### PACKAGING

147x85x140 mm LxWxH (approx.)

① 0.9 kg (approx.)

800 units / pallet

	Diesel flow	Lubricant flow	Fluids	Litres	US GAL
MGE-110	5-110 l/min	5-80 l/min	<b>6</b>	32600-CF00000	32600-CF00002

#### Optional

① F1" aluminium flange complete kit with DIN.933 hexagonal screw

800003036

#### MGE-250

10-150 l/min

±0.5% accuracy

1" o 1 ½"

Electronic meter with high accuracy oval gears and tropicalised electronics. For private use, not suitable for fiscal operations.

#### TECHNICAL DATA

 Accuracy:
 ±0.5%

 Max. pressure:
 45 bar

 Ambient temperature:
 -10 °C / +50 °C

 Display integers and decimals:
 999.99 / 999.9 / 999.9

 Totaliser:
 99,999 (5 digits)

 Dimensions (approx.):
 183x107x140 mm

Net weight (approx.): 2.3 kg

#### COMPONENTS

- > Aluminium body
- > Tropicalised electronics
- > Digital display of liquid crystal (supplied volume or total volume)
- > Control buttons (RESET & TOTAL)
- > Non volatile memory to save calibration parameters and litre totaliser
- > Button battery of long duration (approx. 4 years)
- > Low battery display



#### **PACKAGING**

- (8) 180x180x180 mm
- LxWxH (approx.)
- (<u></u> 4 kg
- 240 units / pallet

	Diesel flow	Lubricant flow	Connection	Fluids	Net weight (approx.)	Litres	US GAL
MGE-250 · 1"	10-250 l/min	10-150 l/min	F1"	<b>(a)</b>	2.3 kg	32503-CF00000	32503-CF00003
MGE-250 · 1 ½"	10-250 l/min	10-150 l/min	F1 ½"	00	2.5 kg	32503-CF00001	32503-CF00002

#### MGE-400

15-300 l/min

±0.5% accuracy

2"

Electronic meter with high accuracy oval gears and tropicalised electronics. For private use, not suitable for fiscal operations.

#### TECHNICAL DATA

Accuracy: $\pm 0.5\%$ Max. pressure:45 barAmbient temperature: $\pm 10 \text{ °C} / \pm 50 \text{ °C}$ Display integers and decimals: $\pm 99.99 / 999.9 / 999.99$ Totaliser: $\pm 99.99 / 5 \text{ digits}$ 

Connection: F2"

**Dimensions (approx.):** 183x152x140 mm

Net weight (approx.): 4.3 kg

#### COMPONENTS

- › Aluminium body
- > Tropicalised electronics
- > Digital display of liquid crystal (supplied volume or total volume)
- > Control buttons (RESET & TOTAL)
- Non volatile memory to save calibration parameters and litre totaliser
- > Button battery of long duration (approx. 4 years)
- > Low battery display



#### **PACKAGING**

310x320x230 mm

5 kg

64 units / pallet

	Diesel flow	Lubricant flow	Fluids	Litres	US GAL
MGE-400	15-400 l/min	15-300 l/min	(b) (b)	32592-CF00000	32592-CF00001

06 /



### 07 / Pulsers

(6) LUBRICANT

#### **MGI-40**

2-40 l/min

±0.5% accuracy

1/2"

Electronic pulser of high accuracy oval gears. For private use, not suitable for fiscal operations.

**TECHNICAL DATA** 

Accuracy:  $\pm 0.5\%$  Max. pressure: 50 bar Temperature with Reeds: -10 °C / +90 °C

Communication channels:2 channels of  $90^{\circ}$  or  $180^{\circ}$ Pulses:100 pulses per litre and channelConnection: $F^{1}/2^{\circ}$  BSP (NPT available)

Dimensions (approx.): 72x55x73.5 mm

Net weight (approx.): 0.5 kg

COMPONENTS

> Aluminium body

> 1.9 m cable



#### PACKAGING

130x105x80 mm LxWxH (approx.)

1,000 units / pallet (EUR-pallet)

 Diesel flow
 Lubricant flow
 Fluids

 MGI-40
 2-50 l/min
 2-40 l/min
 ⊚ ⊙
 322800100

#### MGE/I-110

10-80 l/min

±0.5% accuracy

1"

Electronic meter with pulse output of high accuracy oval gears and tropicalised electronics.

TECHNICAL DATA

Accuracy: ±0.5% Max. pressure: 50 bar

Communication channels:2 channels 180° ReedPulses:41 pulses per litre and channelConnection:F1" BSP threads and flanges

Dimensions (approx.): 123x90x123 mm Net weight (approx.): 1.16 kg

#### COMPONENTS

- > Aluminium body
- > Tropicalised electronics
- > Digital display of liquid crystal (supplied volume or total volume)
- > Control buttons (RESET & TOTAL)
- > Non volatile memory to save calibration parameters and litre totaliser
- > Button battery of long duration (approx. 4 years)
- > Low battery display
- > 1.9 m cable



#### PACKAGING

180x180x180 mm LxWxH (approx.)

1.2 kg (approx.)

240 units / pallet

#### MGI-110 · MGI-250 · MGI-400

5-300 l/min

±0.5% accuracy

1" · 1 1/2" · 2"

Electronic pulsers of high accuracy oval gears. It gives pulses to an external electronics. For private use, not suitable for fiscal operations.



**Pulsers** 





TECHNICAL DATA

**Accuracy: Temperature with Reeds:** 

-10 °C / +90 °C **Communication channels:** 2 channels

±0.5%

COMPONENTS

> Aluminium body

> 1.9 m cable

**PACKAGING** 

(S) MGI-110: 147x85x140 mm · MGI-250: 180x180x180 mm · MGI-400: 310x320x230 mm LxWxH (approx.)

(A) MGI-110: 0.9 kg · MGI-250: 4 kg · MGI-400: 5 kg

MGI-110: 800 units / pallet ⋅ MGI-250: 240 units / pallet ⋅ MGI-400: 64 units / pallet (EUR-pallet)

	Diesel flow	Lubricant flow	Max. pressure	Pulses	Connection	Dimensions (approx.)	Weight (approx.)	Fluids	
MGI-110 · 180° Reeds	5-110 l/min	5-80 l/min	55 bar	41	F1"	123x90x123 mm	0.85 kg	<b>6</b>	32650-CF00000
MGI-110 · 90° Reeds	5-110 l/min	5-80 l/min	55 bar	41	F1"	123x90x123 mm	0.85 kg	<b>6</b>	32651-CF00000
MGI-110 · 90° Hall Effect	5-110 l/min	5-80 l/min	55 bar	41	F1"	123x90x123 mm	0.85 kg	00	32660-CF00000
MGI-250 · 180° Reeds	10-250 l/min	10-150 l/min	45 bar	11	F1"	183x129x140 mm	2.3 kg	00	32511-CF00000
MGI-250 · 180° Reeds	10-250 l/min	10-150 l/min	45 bar	11	F1 ½"	183x129x140 mm	2.5 kg	<b>6</b>	32511-CF00001
MGI-400 · 180° Reeds	15-400 l/min	15-300 l/min	45 bar	5.5	F2"	183x174x140 mm	4.3 kg	<u>00</u>	32581-CF00000



# 08 / Filters

**(b)** LUBRICANT

#### York base filters

½" York base filter	802700004
3/4" York base filter	802700005
1" York base filter	802700003
1 1/4" York base filter	802700002
1 ½" York base filter	802700001
2" York base filter	802700006

#### 'Y' brass filters

1/2" 'Y' brass filter	802701006
3/4" 'IY' brass filter	802701004
1" 'Y' brass filter	802701003
1 ¼" 'Y' brass filter	802701002
1 ½" 'Y' brass filter	802701001
2" 'Y' brass filter	802701008

#### FUP-1 filter

FUP-1 FF1" (thick mesh) filter (Polyamide + Fibreglass) 66030
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#### FGR-25 heater filter

Aluminium filter for lubricants. It is easy to install and its manteinance is simple.

TECHNICAL DATA

Flow: 82 l/min
Filtration range: 300 µm
Inlet · Oulet connection: F1"

- > Body made of injected aluminium alloy
- $\,\,$  Inner electric resistance of 230 VAC 300 W
- > Adjustable thermostat from 20 to 90 °C, in case there is product prewarming
- ${\scriptstyle \rightarrow} \ Regenerating \ filtering \ stainless \ steel \ cartridge$
- > Sealing with NB 100/70 DIN3535 Nitrile rubber joints





# Filtering kits with pump

#### FILKIT LUBE

20 l/min

230 VAC

Mobile filtering kit for the filtration of solid impurities and water absorption in lubricants.

TECHNICAL DATA

Free flow: 20 l/min

Dimensions (approx.): 600x500x1,000 mm

Net weight (approx.): 24.5 kg

#### COMPONENTS

- > EA-88 0.37 kW 230 VAC self-suction gear pump
- > 2x SPIN-ON microfilters with differential manometer (1 cartridge of 25  $\mu$ m + 1 cartridge of 10  $\mu$ m water absorbent)
- > SPIN-ON headings with 1  $\frac{1}{4}$ " BSP inlet-outlet connections and 1  $\frac{1}{2}$ " 16 UN or 1  $\frac{1}{4}$ " BSP filter connection
- > Metallic trolley
- > FUP-1 filter
- > F1" BSP Shutoff valve in the pump inlet and in the filter outlet



P. 134 → EA-88 0.37 kW 230 VAC · EA-88 0.74 kW 230 VAC

P. 49 → FG-300 · FG-450

P. 157 → Accessories

(b) LUBRICANT

	Filter 1	Filter 2	Fluids	
FILKIT LUBE · 25 / 10	25 μm	10 μm · water absorbent	<b>(</b>	66340-CF00000

# FG-300x2+EA-88 mobile filtering kit

20-25 l/min

230 VAC

Two-phase mobile filtering kit that ensures better filtration and greater durability of the filter cartridges.

#### TECHNICAL DATA

 Free flow:
 10-15 l/min

 Dimensions (approx.):
 1,100x490x930 mm

Net weight (approx.): 75 kg

- > EA-88 0.37 kW 230 VAC self-suction gear pump
- > 2x FG-300 microfilters
- (1 cartridge of 15  $\mu$ m + 1 cartridge of 3  $\mu$ m water absorbent)
- > 2 manual drain valves
- > 2 differential manometers
- > 2 outlets for the filtered liquid sampling
- > 2 inlets for the connection of compressed air to clean the filters
- > Metallic trolley



	Pump	Dimensions (approx.)	Fluids	
FG-300x2 mobile lube filtering kit · 230 VAC	EA88 0.37 kW 230 VAC	1,100x490x930 mm	0	66460-CF00000



# 10 / TOTEM dispensers

P. 134 → EA-88 0.37 kW 230 VAC · EA-88 0.74 kW 230 VAC

P. 146 → MGI-40

P. 154 → PG-40 · Manual nozzle

P. 155 → Suction/ delivery hoses

**(1)** LUBRICANT

Supply kits assembled in a column chassis, ready to be directly fixed to the ground without base or additional accessories. Suitable for the lubricant supply, measurement and control to own consumption vehicles.

#### 1 electronic display

> 4 options available: E, GE, GK-7 & GK-7Plus

#### 2 Chassis

- > Main body made of aluminium and stainless steel
- > Head made of carbon steel
- > Treatment to maximise corrosion protection
- > Weatherproof

#### 3 Pulser

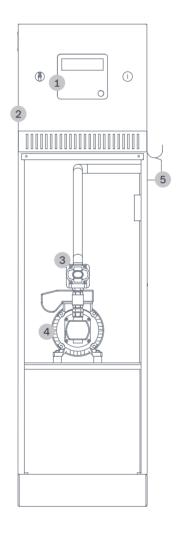
> MGI-40 Pulser · Reeds 90°

#### 4 Pump

> EA-88 0,74 kW 230 V or without pump to be connected to a pump installed in the tank (necessary when the tank is more than 3 m away from the supply kit)

#### 5 Nozzle & hose

- > 4 m R1 lubricant hose
- > PG-40 manual nozzle



#### Optional

① SPIN ON filter fibreglass cartridge ⋅ 25 μm	802700046
2 Protection sunshield	FF016001

#### **TOTEM Lube**

up to 25 l/min

230 VAC

Supply kit with digital display. Options of display and controller: E display, GE display, GK-7 controller display and Gk-7Plus controller display.



TECHNICAL DATA

Free flow up to: 25 l/min Pulser accuracy:  $\pm 0.5 \%$ 

Dimensions (approx.): 460x400x1,500 mm

Net weight (approx.): 50 kg

COMPONENTS

> 4 options of display

	Pump	Display	compatible with (not included)	Fluids	
TOTEM Lube E	EA-88 0,74 kW 230 VAC	E	-	<b>(</b>	27313-CF00000
TOTEM Lube E	without pump	Е	-	<b>(</b>	273100000
TOTEM Lube GE	EA-88 0,74 kW 230 VAC	GE	-	<b>(</b>	27311-CF00000
TOTEM Lube GE	without pump	GE	-	<b>(</b>	27312-CF00000
TOTEM Lube K-60u	EA-88 0,74 kW 230 VAC	GK-7	GKSuite desktop software	<b>(</b>	27321-CF00000
TOTEM Lube K-60u	without pump	GK-7	GKSuite desktop software	0	273200000
TOTEM Lube Plus-60u	EA-88 0,74 kW 230 VAC	GK-7Plus	DieselPlus cloud software	0	27330-CF00000
TOTEM Lube Plus-60u	without pump	GK-7Plus	DieselPlus cloud software	<b>(</b>	27331-CF00000

10 / TOTEM dispensers

P. 40 → Electronic displays

P. 163 → GK-7 & GK-7M

P. 167 → GK-7Plus & GK-7PlusM

P. 171 → GKSuite Desktop Software

P. 173 → DieselPlus Cloud Software

( LUBRICANT



# Supply control for workshops

P. 40 → Electronic displays

P. 146 → MGI-40

(6) LUBRICANT

Manage the supplies of each one of the hoses of your garage installation from the DieselPlus cloud software. Control every drop of lubricant, antifreezing and AdBlue/ DEF in your garage.

#### Supply from controller

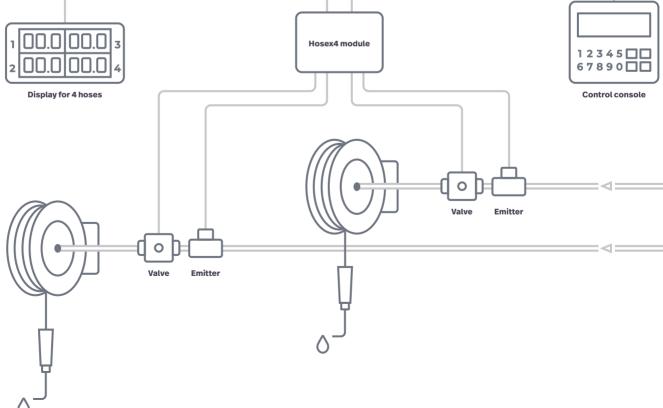
- > User identification
- > Selection of hose or preset of the volume amount to be supplied
- > Additional fields like working order, vehicle ID, etc.

#### Supply and control from PC

- > Enable a supply from the software
- > Get lists of all the supplies made in your garage in real time



DieselPlus



#### Supply control for workshops

COMPONENTS

#### DieselPlus



The DieselPlus licence allows to access the cloud software from any device with the Internet connection.

#### Controle console



Control console GK-7PlusM that sends, wirelessly, the data of each supply to DieselPlus cloud software (two models available).

#### Module with GE display



It connects up to one hose per module and it shows the supplied volume in the display. It can be combined with the other modules.

#### 11 /

Supply control for workshops

P. 41 → Display GE 12/24 VDC · 110/230 VAC

P. 167 → GK-7Plus & GK-7PlusM

P. 173 → DieselPlus Cloud Software

(b) LUBRICANT

#### x4 hose module



It connects up to 4 hoses. Connect it to a display to view the volume of 4 hoses simultaneously. It can be combined with the other modules.

#### Hose module



It connects up to one hose to the control console. It can be combined with the other modules.

#### Supply control system



Composed of a soleneoid valve and a pulser. It is required one for hose.

GK-7PlusM + METALLIC BOX · 60 users - 230 VAC · IOT	25337-CF00000
GK-7PlusM + METALLIC BOX · 60 users - 230 VAC · with embbeded Ethernet connection	-
Annual DieselPlus Licence · 60 users	670500000
Annual DieselPlus Licence · 130 users	670500100
Annual DieselPlus Licence · 1,000 users	670500200
GE · Hose module with display	253400200
x4 hose module	252504007
x4 Display	252504011
Hose module	252504000
Lubricant supply control system (solenoid valve + pulser)	256800000
Anti-freeze supply control system (solenoid valve + pulser)	256800100
AdBlue/DEF supply control system (solenoid valve + pulser)	256800500

#### Optional

Annual DieselPlus Licence of permanent communication · 60 users	257170003
Annual API Licencie for DieselPlus connection with own software or ERP	257170002



## 12 / Nozzles

(6) LUBRICANT

#### PG-40 · Manual nozzle

Manual nozzle with hand protector. Made of fibreglass and equipped with quick ACR exchange system of the different type of ends.

#### TECHNICAL DATA

Max. flow:2-20 l/minMax. security pressure:80 barMax. working pressure:30 barConnection:F1/2"

PG-40 473502000

#### PMGE-40 · Electronic nozzle-meter

Electronic nozzle-meter with hand protector. Made of fibreglass and equipped with quick ACR exchange system of the different type of ends.

#### COMPONENTS

- > PG-40 nozzle
- > MGE-40 electronic meter with protective case

PMGE-40	47373-CF00000
FMGE-40	4/3/3-CF00000



#### Optional

① Flexible tube with 90° rigid outlet and automatic non-drip spout	473502005
② Automatic non-drip spout	473002002
③ Manual non-drip spout	473600000
4 90° rigid spout with free flow	473502003
§ 60° rigid outlet with automatic non-drip spout	473502002
Flexible tube with 90° rigid outlet and manual non-drip spout	473502105
60° rigid outlet with manual non-drip spout	473502106

#### P-100 · Manual high flow nozzle

High flow manual nozzle with trigger fixation.

#### TECHNICAL DATA

Max. flow: 150 l/min
Max. pressure: 100 bar
Connection: M1"

#### COMPONENTS

- > M1" BSP inlet swivel
- $\rightarrow$  M1" BSP connections with flexible spout of Ø1" with automatic drip nipple

P-100 474300000



# 13 / Hoses & suction kits

#### Suction/delivery hoses

	Ø	
R1 suction/delivery hose	1/2"	803401002
R1 suction/delivery hose	3/4"	803401008
R1 suction/delivery hose	1"	803406044

#### Optional

To put M½" adapters in both ends	670001008
To put M¾" adapters in both ends	670001009
To put M1" adapters in both ends	670001012

#### Springwel hoses

	Ø	
Black hose	25 mm	803400010
Black hose	30 mm	803400011
Black hose	40 mm	803400012

# Antistatic double layer hose Springwel hose

**O** LUBRICANT

#### Metallic tube suction kits

#### COMPONENTS

- > Bung adapter
- > Filter

	Height	Filter	Hose	Check valve	
Suction kit	1.35 m	1"	3 m	Yes	355600000
Suction kit	1.65 m	1"	3 m	Yes	355500000
Suction kit	1.90 m	1"	3 m	Yes	355700000
Suction kit	1.65 m	1 1/4"	3 m	Yes	355200000
Suction kit	1.90 m	1 1/4"	3 m	Yes	355300000
Suction kit	1.70 m	1"	no	No	356800000

# Metallic tube suction kit with adapter plug

- > Bung adapter
- > 1" Filter
- > Adapter plug for 1,000 L tanks
- > 1" quick switch

	Height	Hose	Check valve	
1" suction kit with adapter plug	1 m	No	Yes	358100000



# 14 / Hose-reels

(6) LUBRICANT

# Open hose-reels with and without hose

Heavy duty metal hose reels with swinging bracket (optional). They can be mounted on the wall, on tanks, on ceilings or anchored with fixed or adjustable supports.

	Hose capacity	Ø	Pressure	
Open hose-reel without hose	10 m	1/2"	200 bar	807301003
Open hose-reel without hose	15 m	1/2"	200 bar	807301005
	Hose	Ø	Pressure	
E-10 with hose	10 m	1/2"	200 bar	807300101
E-15 with hose	15 m	1/2"	200 bar	807300102



# Cased hose-reels with and without hose

Heavy duty metal cased hose-reels with swinging bracket. They can be mounted on the wall, on tanks, on ceiling or anchored with fixed or adjustable supports.

	Hose capacity	Ø	Pressure	
Cased hose-reel without hose	15 m	1/2"	200 bar	807300200
	Hose	Ø	Pressure	
EC-10 with hose	10 m	1/2"	200 bar	807300201
EC-15 with hose	15 m	1/2"	200 bar	807300202



#### Automatic high capacity hose-reel

Automatic retractable hose-reels in painted steel suitable for R<sup>3</sup>/<sub>4</sub>" hose. The retractable effect allows it to be taken up in the required length, improving its operation. Without hose.

#### COMPONENTS

> MM<sup>3</sup>/<sub>4</sub>" connection





#### Optional

① Swinging bracket for hose-reel	240500000
0.8 m ؽ" hose with adapters in both ends + hose-reel connection	803406078

# 15 / Accessories

#### Pump trolley

Trolley for pumps of different sizes.

**TECHNICAL DATA** 

Platform size (approx.): 480x205 mm

Pump trolley 807900003

#### C-50 trolley for 50 kg drums

Trolley for 50-60 kg drums for the lubrication and grease kits.

#### COMPONENTS

- > 2 fixed wheels
- > 2 rotary wheels
- > Support for the assembly of a pneumatic pump

C-50 trolley 686100000

# CE-200 trolley for 185 kg drums and a hose-reel

Trolley for 185 kg drums with tubular frame.

#### COMPONENTS

- > 2 fixed wheels
- > 1 rotary wheel
- > Security strap for the drum to avoid any accidental leak
- > Built-in hooks to reel the cable
- $\,\,{}^{\scriptscriptstyle )}\,$  Built-in back platform for the assembly of a hose-reel

CE-200 trolley 686400100





15 / Accessories

#### Metallic protective holder

Metallic holder with drip tray to be installed on polyethylene tanks of 1,000 L with metal tubular framework for all type of assemblies and pumping kits. It is also available made of galvanized steel.

	Dimensions (approx.)	
Metallic protective holder	170x1,105x605 mm	126801001

#### Pump bracket handle

Handle with lower support to be fitted to gear pumps for an easy handling.

Dump brooket handle	030003001
Pump bracket handle	030003001

#### Wall oil dripping holder

Metallic nozzle holder with drip tray.

	Dimensions (approx.)	
Wall oil dripping holder	150x150x600 mm	240200001

#### Mixed wall non-drip support

Metallic holder with drip tray to hang 2 nozzles and the probe-carrier tubes. It can be fixed on the wall or on the ground.

	Dimensions (approx.)		
Mixed wall non-drip support	300x100x1,200 mm	800405007	

#### Swinging bracket for hose-reels

Zinc-plated wall bracket to move the hose-reel in the desired position.

Adjustable bracket for hose-reels	240500000
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#### Pneumatic pump wall support

Zinc-plated support to install the pneumatic pumps on the wall.

Pneumatic pump wal	ll support	800404020



#### Universal support

Support to fix the pumping kits in the polythene tanks of 1,000 litres with metallic framework and the steel double wall tanks. It can also be fixed on the wall.

TECHNICAL DATA

Material: Zinc-plated sheet Dimensions (approx.): 330x90x280 mm

Weight (approx.): 2 kg

COMPONENTS

- > Nozzle hanger
- > Rubber protection
- > Drip pan

Universal support 800404259

#### Universal zinc-plated hook set

Support to hang the hose. It is adaptable to all type of drums and tanks.

Universal zinc-plated hook set 800404049

#### Bung adapters

TECHNICAL DATA

Top thread: M-64x4
Lower thread: 2"

	Dimensions (approx.)	Pipe	
Bung adapter	2"xØ21.9 mm	1/2"	805200003
Bung adapter	2"xØ27.3 mm	3/4"	805200004
Bung adapter	2"xØ33.5 mm	1"	805200006
Bung adapter	2"xØ42 mm	1 1/4"	805200005
Bung adapter	2"xØ29.3 mm	M.21	805200001
Bung adapter	2"xØ28 mm	-	805200007

#### Adapter plug for 1,000 L tank

Plug to be assembled in the top hole of the DP-1000LX polythene tank.

TECHNICAL DATA

**Connection:** F2" BSP thread

4" F2" Adapter plug for 1,000 L tank 805204004

#### Adapter nut for 1,000 L tank

Nut to be assembled in the lower hole of the DP-1000LX polythene tank.

TECHNICAL DATA

**Connection:** MF<sup>3</sup>/<sub>4</sub>" BSP thread

TAC-1000 · Adapter nut 807106003

15 /
Accessories



Universal zinc-plated hook set



Bung adapters



Adapter nut for 1,000 L tank



# 16 / Lubrication porticos

P. 40 → Electronic displays

P. 146 → MGI-40

P. 154 → Nozzles

P. 171 → GKSuite
Desktop Software

(6) LUBRICANT

#### Supply portico

Compact kit ready for its direct installation, specially suitable for the installation that have buried their pipes.

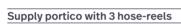
#### TECHNICAL DATA

Dimensions (approx.):

1,100x250x2,100 mm

#### COMPONENTS

- > 3 x cased hose-reel with 10 m hose
- > 3 x PMGE-40 electronic nozzle-meter
- > Drip pan
- > Base to be directly anchored to the ground
- > Lateral where to place the pipes
- > 1 hose-reel extension (maximum 2 hose-reels per portico)



220400000



# Supply portico with own consumption controller

Compact kit with GK-7M controller that communicates with the GKSuite software. The controller allows the supply only to authorised users through PIN code or iButton. It transfers the supplies done by each user, the type of lubricant, the supplied litres, the date and hour... SQL data base for its easy and quick connection to ERP systems or another management software.

#### COMPONENTS

- GK-7M controller of users and supplies that communicates with the GKSuite software installed in a PC
- > Supply portico with 3 hose-reels
- > 3 x MGI-40 pulsers
- $\rightarrow$  3 x 1/2" solenoid valves
- > 3 x supply electronic displays

Supply portico with 3 hose-reels + GK-7M

220500000



# PFP panel for pneumatic pumps and/or hose-reels

Special support to fix the pneumatic pumps and/or hose-reels (up to 4 units) in the workshop or the working zone, simplifying the installation. Wall-assembled.

PFP panel 205300000