



## **General Catalogue**

Transfer, Filtering,  
Measurement & Control



## **General Catalogue**

Transfer, Filtering,  
Measurement & Control

## Our company

05 Our company

## Fuel

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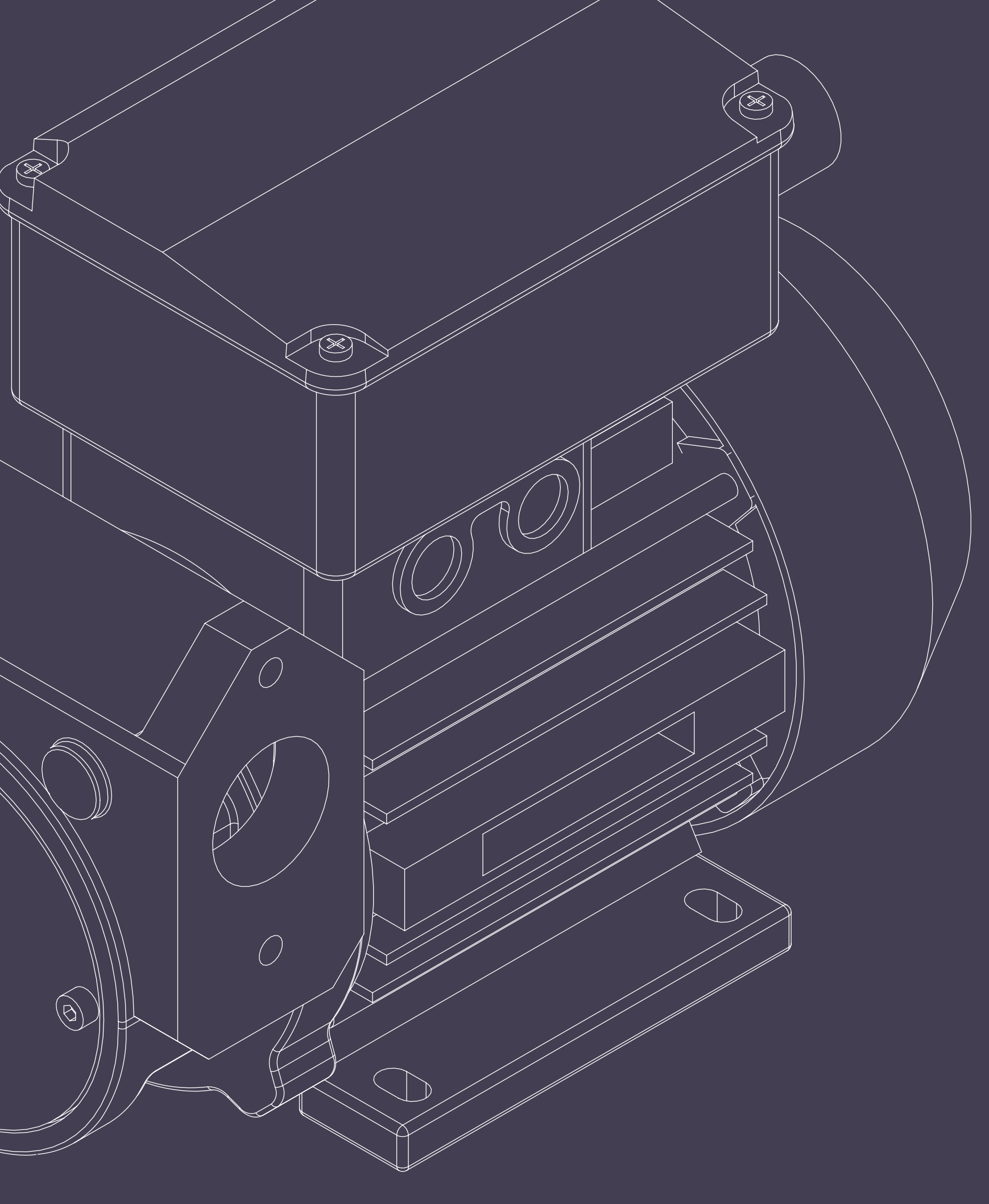
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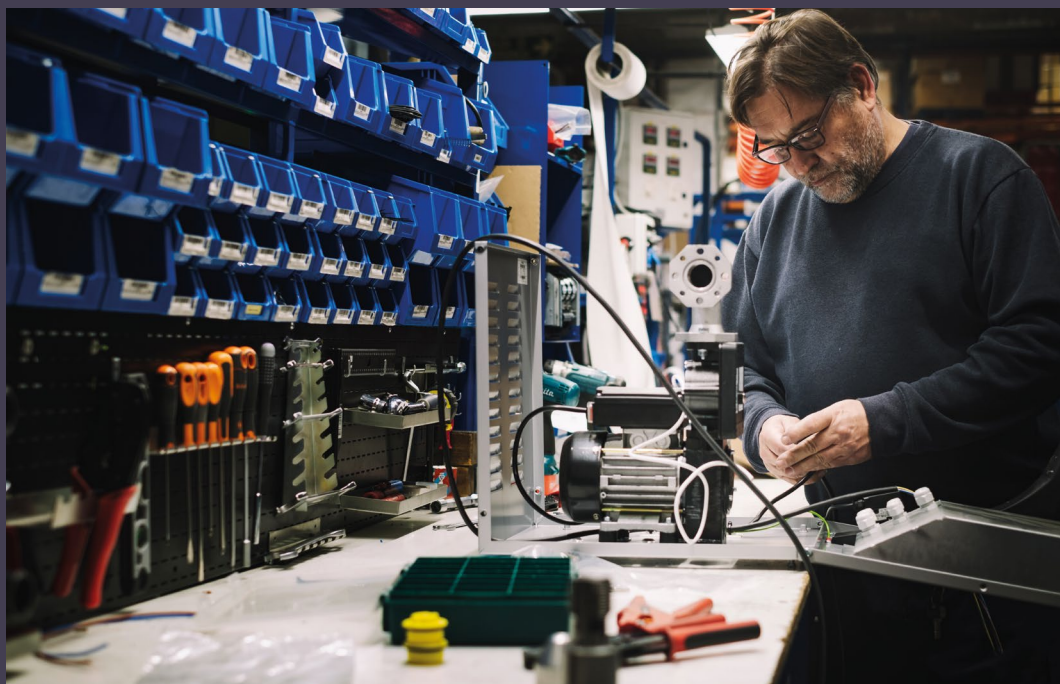
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Proudly pumping  
→ since 1974

Our company

Since 1974, we have been working to become the fluid technology experts that we are today. More than 50 years manufacturing equipment for the transfer, filtering, measurement and control of fuels, AdBlue/DEF, lubricants and other automotive fluids. Equipment that have become a benchmark in our sector.



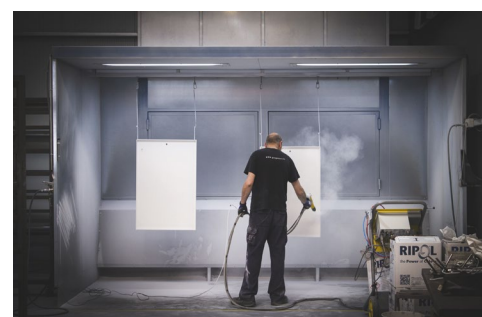
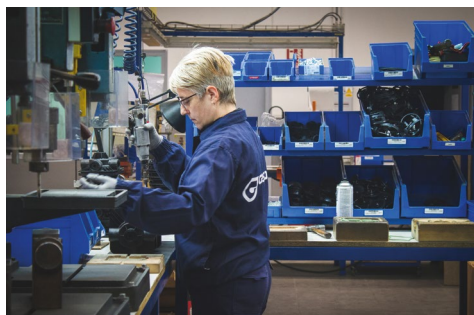
## Our company



**Our factory and offices are located in Balaguer (Lleida), Spain. The integration of all the productive processes gives us a global view of the product and an effective quality control in each of the processes.**



Designed and manufactured  
→ in Spain



### Offices

**Commercial Department** / A commercial team, strategically located by the geography, offering a close, customised and efficient service along with the back office support.

**After Sales** / Call center available working with both mechanical and software queries. We offer immediate and customised service to all our network of distributors and customers.

**Technical Office** / The continuous improvement of the manufacturing and quality processes are our formula to get the excellence. The technical team offers consultancy to adapt the equipment to our customers' requirements.

**Development** / A professional team with a great expertise and high technical qualifications devoted to the development of different technologies according to the specific requirements of each application.

**R&D** / Our engineers are always researching and developing new equipment, types of software and firmware. Always at the cutting-edge of our sector.

### Factory

**Plastic Division** / Different machines to hold moulds up to 250 tonnes.

**Painting Division** / Two painting sections: liquid and powder, offering the possibility of customising our manufactured products.

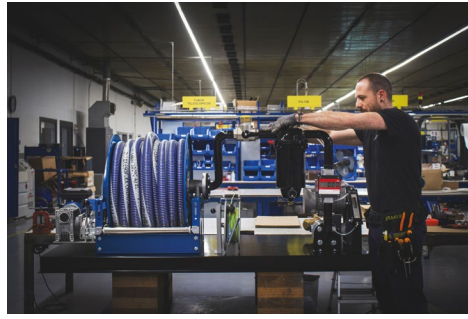
**Machining Division** / We have CNC machinery of last generation assuring the maximum accuracy of the manufactured.

**Assembly Division** / Meticulous technical staff is responsible of the manufacturing process, testing 100% of the equipment to guarantee their maximum quality.

**Division of Moulds and Tools** / We design, manufacture and rectify our own moulds and tools to speed up the processes.

**Laboratory** / We perform stress tests, calculation of performance, evaluation of prototypes and new products.

**Metal Division** / We close the whole circuit of the sheet treatment: laser cutting machine, punching machine, bend machine and welding machinery.



Custom solutions to  
→ suit your needs



There are needs that are not solved in the market. Our R&D department and our in-house manufacturing team can design and develop the equipment that effectively meet your objectives. We can develop tailor-made software, electronics, chassis and mechanical elements.

| Fuel

# 01 / Diesel self-suction pumps

P. 24 → Flow curves ·  
Self-suction pumps

P. 97 → Accessories

## IRON-50 110/230 VAC

50 l/min

0.25 kW

F1" BSP

⓪ DIESEL  
⓪ BIODIESEL

Self-suction - self-priming pump with self-adjusting blades and recirculation bypass and anti-rust treatment.



### TECHNICAL DATA

<b>Free flow:</b>	50 l/min
<b>Motor:</b>	0.25 kW · 50/60 Hz · self-ventilated
<b>Operation:</b>	S1 continuous
<b>Motor speed:</b>	3,000 rpm (50 Hz) · 3,600 rpm (60 Hz)
<b>Protection:</b>	IP-55
<b>Max. suction length:</b>	2.7 m
<b>Connection:</b>	F1" BSP threads and flanges
<b>Dimensions (approx.):</b>	225x146x185 mm
<b>Net weight (approx.):</b>	8.5 kg

### PACKAGING

⓪	180x240x260 mm LxWxH (approx.)
⓪	9.1 kg (approx.)
⓪	100 units / pallet (EUR-pallet)

### COMPONENTS

- › 3 m electric cable with approved plug
- › ON/OFF luminous switch
- › Stainless steel filter of 350 µm

	Consumption	Fluids	
IRON-50 110 VAC	5-7 A	⓪	00192-CF00000
IRON-50 230 VAC	1.2-2 A	⓪	00190-CF00000
IRON-50 230 VAC · VITON · B100	1.2-2 A	⓪	00190-CF00100

### Optional

① F1" aluminium flange kit with DIN.912 Allen screw

800003022

## IRON-50 12/24 VDC

50 l/min

0.30 kW

F1" BSP

Self-suction - self-priming pump with self-adjusting blades and recirculation bypass and anti-rust treatment.

### TECHNICAL DATA

Free flow:	50 l/min
Motor:	0.30 kW · self-ventilated
Operation:	S2 60'
Motor speed:	3,000 rpm
Protection:	IP-55
Max. suction length:	2.7 m
Connection:	F1" BSP threads and flanges
Dimensions (approx.):	200x160x137 mm
Net weight (approx.):	4.8 kg

### COMPONENTS

- › 2 m cable with clamps
- › ON/OFF switch
- › Stainless steel filter of 350 µm



### PACKAGING

- 180x240x260 mm  
LxWxH (approx.)
- 5.2 kg  
(approx.)
- 100 units / pallet  
(EUR-pallet)

	Consumption	Fluids	
IRON-50 12 VDC	18-24 A	⊕	00001-CF00000
IRON-50 24 VDC	9-17 A	⊕	00011-CF00000
IRON-50 12 VDC · VITON · B100	18-24 A	⊕	00001-CF00100
IRON-50 24 VDC · VITON · B100	9-17 A	⊕	00011-CF00100

### Optional

① F1" aluminium flange kit with DIN.912 Allen screw	800003022
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## IRON-75 230 VAC

75 l/min

0.5 kW

F1" BSP

Self-suction - self-priming pump with self-adjusting blades and recirculation bypass and anti-rust treatment.

### TECHNICAL DATA

Free flow:	75 l/min
Motor:	0.5 kW · 50/60 Hz · self-ventilated
Operation:	S1 continuous
Motor speed:	3,000 rpm (50 Hz) · 3,600 rpm (60 Hz)
Protection:	IP-55
Max. suction length:	2.7 m
Connection:	F1" BSP threads and flanges
Dimensions (approx.):	225x146x185 mm
Net weight (approx.):	8.5 kg

### COMPONENTS

- › 3 m electric cable with approved plug
- › ON/OFF luminous switch
- › Stainless steel filter of 350 µm



### PACKAGING

- 180x240x260 mm  
LxWxH (approx.)
- 9.1 kg  
(approx.)
- 100 units / pallet  
(EUR-pallet)

	Consumption	Fluids	
IRON-75 230 VAC	1.9-4.5 A	⊕	00350-CF00000
IRON-75 230 VAC · VITON · B100	1.9-4.5 A	⊕	00350-CF00100

### Optional

① F1" aluminium flange kit with DIN.912 Allen screw	800003022
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01 /

Diesel self-suction pumps

P. 24 → Flow curves · Self-suction pumps

P. 97 → Accessories

⊕ DIESEL

⊕ BIODIESEL

01 /

Diesel self-suction pumps

P. 24 → Flow curves · Self-suction pumps

P. 97 → Accessories

Ⓛ DIESEL  
Ⓛ BIODIESEL

## AG-90 12/24 VDC

80 l/min

0.37 kW

F1" BSP

Self-suction - self-priming pump with self-adjusting blades and recirculation bypass and anti-rust treatment.

## TECHNICAL DATA

Free flow:	80 l/min
Motor:	0.37 kW · self-ventilated
Operation:	S1 continuous
Motor speed:	1,500 rpm
Protection:	IP-55
Max. suction length:	2.7 m
Connection:	F1" BSP threads and flanges
Dimensions (approx.):	370x165x175 mm
Net weight (approx.):	15.5 kg

## COMPONENTS

- › 3 m cable with clamps
- › Models with switch to disconnect the motor



## PACKAGING

- Ⓛ 230x415x340 mm  
LxWxH (approx.)
- Ⓛ 16.3 kg  
(approx.)
- Ⓛ 50 units / pallet  
(EUR-pallet)

	Consumption	Fluids	
AG-90 12 VDC	35-53 A	Ⓛ	00040-CF00000
AG-90 24 VDC	24-32 A	Ⓛ	00050-CF00000
AG-90 12 VDC · SWITCH	35-53 A	Ⓛ	00042-CF00000
AG-90 24 VDC · SWITCH	24-32 A	Ⓛ	00052-CF00000

## Optional

- ① F1" aluminium flange kit with DIN.912 Allen screw

800003022

## AG-100 230 VAC

100 l/min

1 kW

F1" BSP

Self-suction - self-priming pump with self-adjusting blades and recirculation bypass and anti-rust treatment.

## TECHNICAL DATA

Free flow:	100 l/min
Motor:	1 kW · 50/60 Hz · self-ventilated
Operation:	S1 continuous
Motor speed:	1,500 rpm (50 Hz) · 1,800 rpm (60 Hz)
Protection:	IP-55
Max. suction length:	2.7 m
Connection:	F1" BSP threads and flanges
Dimensions (approx.):	365x165x245 mm
Net weight (approx.):	15.15 kg

## COMPONENTS

- › 3 m electric cable with approved plug
- › ON/OFF luminous switch



## PACKAGING

- Ⓛ 230x415x340 mm  
LxWxH (approx.)
- Ⓛ 16.15 kg  
(approx.)
- Ⓛ 50 units / pallet  
(EUR-pallet)

	Consumption	Fluids	
AG-100 230 VAC	5.5 A	Ⓛ	00360-CF00000
AG-100 230 VAC · VITON · B100	5.5 A	Ⓛ	00360-CF00100

## Optional

- ① F1" aluminium flange kit with DIN.912 Allen screw

800003022

# Monsterpump-200

## 24 VDC · 230 VAC

200 l/min

0.74 kW · 2 kW

1 ½" BSP

Self-suction - self-priming pump group with self-adjusting blades composed of two pumps.

#### TECHNICAL DATA

Free flow:	200 l/min
Operation:	S1 continuous
Motor speed:	1,500 rpm
Protection:	IP-55
Max. suction length:	2.7 m
Connection:	F1 ½" BSP threads

#### COMPONENTS

- › Two AG-90 24 VDC pumps or two AG-100 230 VAC pumps
- › ON/OFF switch



## 01 /

### Diesel self-suction pumps

P. 24 → Flow curves · Self-suction pumps

P. 97 → Accessories

- ⊕ DIESEL
- ⊕ BIODIESEL

	Total motors	Consumption	Dimensions (approx.)	Net weight (approx.)	Fluids	
MONSTERPUMP-200 24 VDC	0.74 kW	30-47 A	440x410x460 mm	35 kg	⊕	000900000
MONSTERPUMP-200 230 VAC	2 kW	7-12 A	400x350x550 mm	44.5 kg	⊕	00092-CF00000

#### Optional

MONSTERPUMP-200 230 VAC with mobile trolley	00092-CF00010
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# BAG-800 230 VAC

100-150 l/min

1,1 kW

1 ½" BSP

Self-suction - self-priming pump with self-adjusting blades and recirculation bypass and anti-rust treatment.

#### TECHNICAL DATA

Free flow:	150 l/min
Motor:	1.1 kW
Operation:	S1 continuous
Motor speed:	1,410 rpm
Protection:	IP-55
Connection:	F1 ½" BSP
Dimensions (approx.):	390x530x300 mm
Net weight (approx.):	34.5 kg

#### COMPONENTS

- › 3 m cable



	Consumption	Meter	Fluids	
BAG-800 230 VAC	6.9 A	no	⊕	27670-CF00000
SBAG-800E 230 VAC · IP-55 pump with electronic volume gear meter	6.9 A	MGE-250	⊕	27600-CF00100

# 02 / Self-suction explosionproof pumps

P. 24 → Flow curves · Self-suction pumps

P. 97 → Accessories

- Ⓢ DIESEL
- Ⓢ PETROL

## IRON-45 Ex 110/230 VAC · 12/24 VDC

42-49 l/min

0.12 kW

F1" BSP

Self-suction - self-priming explosionproof pump with self-adjusting blades and recirculation bypass and anti-rust treatment.



### TECHNICAL DATA

<b>EExd Motor:</b>	0.12 kW
<b>Operation:</b>	S2 30'
<b>Motor speed:</b>	2,800 rpm
<b>Protection:</b>	IP-55
<b>ATEX Category:</b>	II 2G Ex db IIA T4 Gb
<b>Max. suction length:</b>	2 m
<b>Connection:</b>	F1" BSP threads and flanges
<b>Dimensions (approx.):</b>	283x143x140 mm
<b>Net weight (approx.):</b>	7 kg

### PACKAGING

- 📦 310x320x230 mm  
LxWxH (approx.)
- 📊 7.1 kg  
(approx.)
- 🚚 64 units / pallet  
(EUR-pallet)

### COMPONENTS

- › 3 m cable
- › ON/OFF switch

	Free flow	Consumption	Fluids	
IRON-45 Ex 110 VAC	42 l/min	2.1 A	Ⓢ Ⓢ	10290-CF00000
IRON-45 Ex 230 VAC	42 l/min	1 A	Ⓢ Ⓢ	10230-CF00000
IRON-45 Ex 12 VDC	49 l/min	15-25 A	Ⓢ Ⓢ	10210-CF00000
IRON-45 Ex 24 VDC	47 l/min	7-12 A	Ⓢ Ⓢ	10220-CF00000

### Optional

① F1" aluminium flange kit with DIN.912 Allen screw (Viton)	800003068
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## IRON-50 Ex 110/230 VAC · 12/24 VDC

50 l/min

0.18 kW

F1" BSP

Self-suction - self-priming explosionproof pump with self-adjusting blades and recirculation bypass and anti-rust treatment.

### TECHNICAL DATA

Free flow:	50 l/min
EExd Motor:	0.18 kW
Operation:	S2 30'
Protection:	IP-55
ATEX Category:	II 2G Ex h IIB T4 Gb
Max. suction length:	2.7 m
Connection:	F1" BSP threads and flanges

### COMPONENTS

- › 3 m cable
- › ON/OFF switch

	Consumption	Motor speed	Dimensions (approx.)	Net weight (approx.)	Fluids	
IRON-50 Ex 110 VAC	2.5 A	2,790 rpm	250x165x150 mm	11.8 kg	⊕ ⊕	10036-CF00000
IRON-50 Ex 230 VAC	11.8 A	2,850 rpm	250x165x150 mm	11.8 kg	⊕ ⊕	10035-CF00000
IRON-50 Ex 12 VDC	20-27 A	3,000 rpm	270x165x150 mm	11.8 kg	⊕ ⊕	10063-CF00000
IRON-50 Ex 24 VDC	10-14 A	3,000 rpm	270x165x150 mm	11.8 kg	⊕ ⊕	10153-CF00000

### Optional

① F1" aluminium flange kit with DIN.912 Allen screw (Viton)	800003068
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## AG-800 110/230 VAC · AG-900 12 VDC

80 l/min

0.37 kW

F1" BSP

Self-suction - self-priming explosionproof pump with self-adjusting blades and recirculation bypass and anti-rust treatment.

### TECHNICAL DATA

Free flow:	80 l/min
EExd Motor:	0.37 kW
Protection:	IP-55
ATEX Category:	II 2G Ex h IIB T4 Gb
Max. suction length:	2.7 m
Connection:	F1" BSP threads and flanges

### COMPONENTS

- › 3 m cable (AG-800) · 1.5 m cable (AG-900)
- › ON/OFF switch

	Consumption	Operation	Motor speed	Dimensions (approx.)	Net weight (approx.)	Fluids	
AG-800 110 VAC	2.3-3.5 A	S2 30'	1,430 rpm	350x165x155 mm	17.4 kg	⊕ ⊕	10042-CF00000
AG-800 230 VAC	2.3-3.5 A	S2 30'	1,430 rpm	350x165x155 mm	17.4 kg	⊕ ⊕	10040-CF00000
AG-900 12 VDC	42-50 A	S2 30'	1,650 rpm	400x165x155 mm	19 kg	⊕ ⊕	10070-CF00000

### Optional

① F1" aluminium flange kit with DIN.912 Allen screw (Viton)	800003068
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### PACKAGING

- ⊕ 410x230x340 mm  
LxWxH (approx.)
- ⊕ 13.7 kg  
(approx.)
- ⊕ 50 units / pallet  
(EUR-pallet)

## 02 / Self-suction explosionproof pumps

P. 24 → Flow curves ·  
Self-suction pumps

P. 97 → Accessories

- ⊕ DIESEL
- ⊕ PETROL



### PACKAGING

- ⊕ 410x230x330 mm  
LxWxH (approx.)
- ⊕ AG-800: 18.3 kg · AG-900: 19.8 kg  
(approx.)
- ⊕ 50 units / pallet  
(EUR-pallet)

02 /  
Self-suction  
explosionproof  
pumps

P. 24 → Flow curves ·  
Self-suction pumps

P. 36 → MGE-250

P. 97 → Accessories

- Ⓢ DIESEL
- Ⓢ PETROL

## BAG-800 Ex 230 VAC · 230/400 VAC

150 l/min

1 kW

1 ½" BSP

Self-suction - explosionproof pump with self-adjusting blades and recirculation bypass and anti-rust treatment.

TECHNICAL DATA

<b>Free flow:</b>	150 l/min
<b>EExd Motor:</b>	1 kW
<b>Operation:</b>	S1 continuous
<b>Motor speed:</b>	1,410 rpm
<b>Protection:</b>	IP-55
<b>ATEX Category:</b>	II 2G – Ex dB IIB T3 Gb
<b>Connection:</b>	F1 ½" BSP threads and flanges
<b>Dimensions (approx.):</b>	390x515x235 mm
<b>Net weight (approx.):</b>	33.5 kg

COMPONENTS

› 3 m cable



	Consumption	Meter	Fluids	
BAG-800 Ex 230 VAC	5.7-6.3 A	no	Ⓢ Ⓢ	27580-CF00000
BAG-800 Ex 230/400 VAC	3.3-5.8 A	no	Ⓢ Ⓢ	27520-CF00000
SBAG-800E 230 VAC · Pump with electronic volume gear meter	5.7-6.3 A	MGE-250	Ⓢ	27600-CF00000
SBAG-800E 230/400 VAC · Pump with electronic volume gear meter	3.3-5.8 A	MGE-250	Ⓢ	27610-CF00000

## Double BAG-800 kit 230 VAC · 230/400 VAC

260 l/min

1+1 kW

2" BSP

Self-suction - explosionproof pump group with self-adjusting blades composed of two pumps.

TECHNICAL DATA

<b>Free flow:</b>	260 l/min
<b>EExd Motor:</b>	1+1 kW
<b>Operation:</b>	S1 continuous
<b>Motor speed:</b>	1,410 rpm
<b>Protection:</b>	IP-55
<b>ATEX Category:</b>	II 2G – Ex dB IIB T3 Gb
<b>Connection:</b>	2" BSP with ball valve

COMPONENTS

› 3 m cable



	EExd Motor	Fluids	
BAG-800 230/400 V DOUBLE KIT	Triphase	Ⓢ Ⓢ	276300000
BAG-800 230 V DOUBLE KIT with mobile trolley	Single-phase	Ⓢ Ⓢ	276400000
BAG-800 230 V DOUBLE KIT	Single-phase	Ⓢ Ⓢ	276600000

# 03 / Self-suction pump supply kits

## Kits without base

50-100 l/min

12/24 VDC · 110/230 VAC

Supply kits with pump and electronic or mechanical volume meter.



P. 10 → Diesel self-suction pumps

P. 14 → Self-suction explosionproof pumps

P. 35 → MGE-110

P. 32 → Mechanical meters

P. 88 → Manual &amp; automatic nozzles

P. 91 → Metallic tube suction kits

⊙ DIESEL  
⊙ PETROL

### COMPONENTS

- › Self-suction pump
- › Mechanical or electronic meter

	Pump	Flow	Fluids	Pump + MGE-110	Pump + MG-80	Pump + MG-80A
S-50 12 V	IRON-50 12 VDC	50 l/min	⊙	31273-CF00000	31014-CF00000	31014-CF00100
S-50 24 V	IRON-50 24 VDC	50 l/min	⊙	31273-CF00001	31014-CF00001	31014-CF00101
S-50 110 V	IRON-50 110 VAC	50 l/min	⊙	31612-CF00100	31594-CF00005	31595-CF00100
S-50 230 V	IRON-50 230 VAC	50 l/min	⊙	31612-CF00000	31594-CF00000	31595-CF00000
S-75 230 V	IRON-75 230 VAC	75 l/min	⊙	31931-CF00000	31930-CF00000	34323-CF00000
SAG-90 12 V	AG-90 12 VDC	80 l/min	⊙	31332-CF00000	31090-CF00000	31096-CF00003
SAG-90 24 V	AG-90 24 VDC	80 l/min	⊙	31332-CF00001	31090-CF00001	31096-CF00002
SAG-100 230 V	AG-100 230 VAC	100 l/min	⊙	31941-CF00000	31940-CF00000	31940-CF00100
	Pump	Flow	Fluids	Pump + MGE-110	Pump + MG-80	Pump + MG-80A
SA-50 Ex 12 V	IRON-50 Ex 12 VDC	50 l/min	⊙ ⊙	-	-	31960-CF00000
SA-50 Ex 230 V	IRON-50 Ex 230 VAC	50 l/min	⊙ ⊙	-	-	31950-CF00000
SAG-800 Ex 230 V	AG-800 Ex 230 VAC	80 l/min	⊙ ⊙	-	-	31262-CF00000
SAG-900 Ex 12 V	AG-900 Ex 12 VDC	80 l/min	⊙ ⊙	-	-	33400-CF00000

### Optional

PSF-040 manual nozzle + 4 m Ø19 mm (¾") delivery hose with adapters in both ends	803406072
PSF-040 manual nozzle + 4 m Ø25 mm (1") delivery hose with adapters in both ends	803406074
PA-60 automatic nozzle for diesel + 4 m Ø19 mm (¾") delivery hose with adapters in both ends	803406073
PA-80 automatic nozzle for diesel + 4 m Ø25 mm (1") delivery hose with adapters in both ends	803406075
PA-80 automatic nozzle for unleaded petrol + 4 m Ø19 mm (¾") delivery hose with adapters in both ends	803406147
PA-80 automatic nozzle for unleaded petrol + 4 m Ø25 mm (1") delivery hose with adapters in both ends	803406155
Metallic tube suction kits	

03 /

Self-suction pump supply kits

Kits with metallic base no. 4

50-100 l/min

12/24 VDC · 110/230 VAC

P. 10 → Diesel self-suction pumps

P. 14 → Self-suction explosionproof pumps

P. 32 → Mechanical meters

P. 35 → MGE-110

P. 88 → Manual & automatic nozzles

P. 99 → Bases for the supply kits

P. 91 → Metallic tube suction kits

















Supply kits assembled on a base to fix on the wall or any surface. Base with treatment to maximise corrosion protection.

-  DIESEL
-  PETROL




COMPONENTS

- › Base with nozzle hanger and rubber protection
- › Self-suction pump
- › Mechanical or electronic meter

	Pump	Flow	Fluids	Pump + MGE-110	Pump + MG-80	Pump + MG-84A
S-50 12 V + Base no. 4	IRON-50 12 VDC	50 l/min		30412-CF00000	30011-CF00000	30011-CF00200
S-50 24 V + Base no. 4	IRON-50 24 VDC	50 l/min		30412-CF00001	30011-CF00001	30011-CF00201
S-50 110 V + Base no. 4	IRON-50 110 VAC	50 l/min		30713-CF00003	30702-CF00001	30704-CF00001
S-50 230 V + Base no. 4	IRON-50 230 VAC	50 l/min		30713-CF00000	30702-CF00000	30704-CF00000
S-75 230 V + Base no. 4	IRON-75 230 VAC	75 l/min		33301-CF00000	33300-CF00000	33300-CF00200
SAG-90 12 V + Base no. 4	AG-90 12 VDC	80 l/min		30474-CF00000	30120-CF00000	30120-CF00200
SAG-90 24 V + Base no. 4	AG-90 24 VDC	80 l/min		30474-CF00001	30120-CF00001	30120-CF00201
SAG-100 230 V + Base no. 4	AG-100 230 VAC	100 l/min		33321-CF00000	33320-CF00000	33320-CF00200
	Pump	Flow	Fluids	Pump + MGE-110	Pump + MG-80A	Pump + MG-84A
SA-50 Ex 12 V + Base no. 4	IRON-50 Ex 12 VDC	50 l/min	 	-	33340-CF00000	33340-CF00100
SA-50 Ex 230 V+ Base no. 4	IRON-50 Ex 230 VAC	50 l/min	 	-	33330-CF00000	33330-CF00100
SAG-800 Ex 230 V + Base no. 4	AG-800 Ex 230 VAC	80 l/min	 	-	33350-CF00000	33350-CF00100
SAG-900 Ex 12 V + Base no. 4	AG-900 Ex 12 VDC	80 l/min	 	-	33360-CF00000	33360-CF00100

Optional

PSF-040 manual nozzle + 4 m Ø19 mm (¾") delivery hose with adapters in both ends	803406072
PSF-040 manual nozzle + 4 m Ø25 mm (1") delivery hose with adapters in both ends	803406074
PA-60 automatic nozzle for diesel + 4 m Ø19 mm (¾") delivery hose with adapters in both ends	803406073
 PA-80 automatic nozzle for diesel + 4 m Ø25 mm (1") delivery hose with adapters in both ends	803406075
PA-80 automatic nozzle for unleaded petrol + 4 m Ø19 mm (¾") delivery hose with adapters in both ends	803406147
PA-80 automatic nozzle for unleaded petrol + 4 m Ø25 mm (1") delivery hose with adapters in both ends	803406155
Metallic tube suction kits	

# Wall kits

50-100 l/min

12/24 VDC · 110/230 VAC

Supply kits with assembled on a wall support. "Easy lock" nozzle hanger that prevents the nozzle from being accidentally unhung.



## 03 / Self-suction pump supply kits

P. 10 → Diesel self-suction pumps

P. 14 → Self-suction explosionproof pumps

P. 32 → Mechanical meters

P. 35 → MGE-110

P. 88 → Manual & automatic nozzles

P. 98 → Wall support

⊕ DIESEL  
⊕ PETROL

### COMPONENTS

- › Zinc-plated sheet support with holes for an easy installation
- › Self-suction pump
- › With or without mechanical or electronic meter
- › Automatic nozzle
- › "Easy lock" nozzle hanger
- › Nozzle lock through padlock (padlock not included)
- › 4 m antistatic double layer delivery hose for diesel with adapters in both ends

	Pump	Flow	Nozzle	∅ Hose	Fluids	Pump	Pump + MG-80A	Pump + MG-80A + FG100
S-50 12 V	IRON-50 12 VDC	50 l/min	PA-60	19 mm	⊕	16051-CF00000	16051-CF00100	16051-CF00200
S-50 24 V	IRON-50 24 VDC	50 l/min	PA-60	19 mm	⊕	16051-CF00050	16051-CF00150	16051-CF00250
S-50 110 V	IRON-50 110 VAC	50 l/min	PA-60	19 mm	⊕	16050-CF00050	16050-CF00150	16050-CF00250
S-50 230 V	IRON-50 230 VAC	50 l/min	PA-60	19 mm	⊕	16050-CF00000	16050-CF00100	16050-CF00200
S-75 230 V	IRON-75 230 VAC	75 l/min	PA-80	25 mm	⊕	16052-CF00000	16052-CF00100	16052-CF00200
SAG-90 12 V	AG-90 12 VDC	80 l/min	PA-120	25 mm	⊕	16054-CF00000	16054-CF00100	16054-CF00200
SAG-90 24 V	AG-90 24 VDC	80 l/min	PA-120	25 mm	⊕	16054-CF00050	16054-CF00150	16054-CF00250
SAG-100 230 V	AG-100 230 VAC	100 l/min	PA-120	25 mm	⊕	16053-CF00000	16053-CF00100	16053-CF00200
SA-50 Ex 12 V	IRON-50 Ex 12 VDC	50 l/min	PA-60	19 mm	⊕ ⊕	16055-CF00050	16055-CF00150	16055-CF00250
SA-50 Ex 230 V	IRON-50 Ex 230 VAC	50 l/min	PA-60	19 mm	⊕ ⊕	16055-CF00000	16055-CF00100	16055-CF00200
SAG-800 Ex 230 V	AG-800 Ex 230 VAC	80 l/min	PA-120	25 mm	⊕ ⊕	16056-CF00000	16056-CF00100	16056-CF00200
SAG-900 Ex 12 V	AG-900 Ex 12 VDC	80 l/min	PA-120	25 mm	⊕ ⊕	16056-CF00050	16056-CF00150	16056-CF00250

### Optional

- ① MGE-110 · Electronic meter
- MG-80 · Mechanical meter
- MG-84A · Mechanical aluminium meter

03 /

Self-suction pump supply kits

P. 10 → Diesel self-suction pumps

P. 32 → Mechanical meters

P. 35 → MGE-110

P. 88 → Manual & automatic nozzles

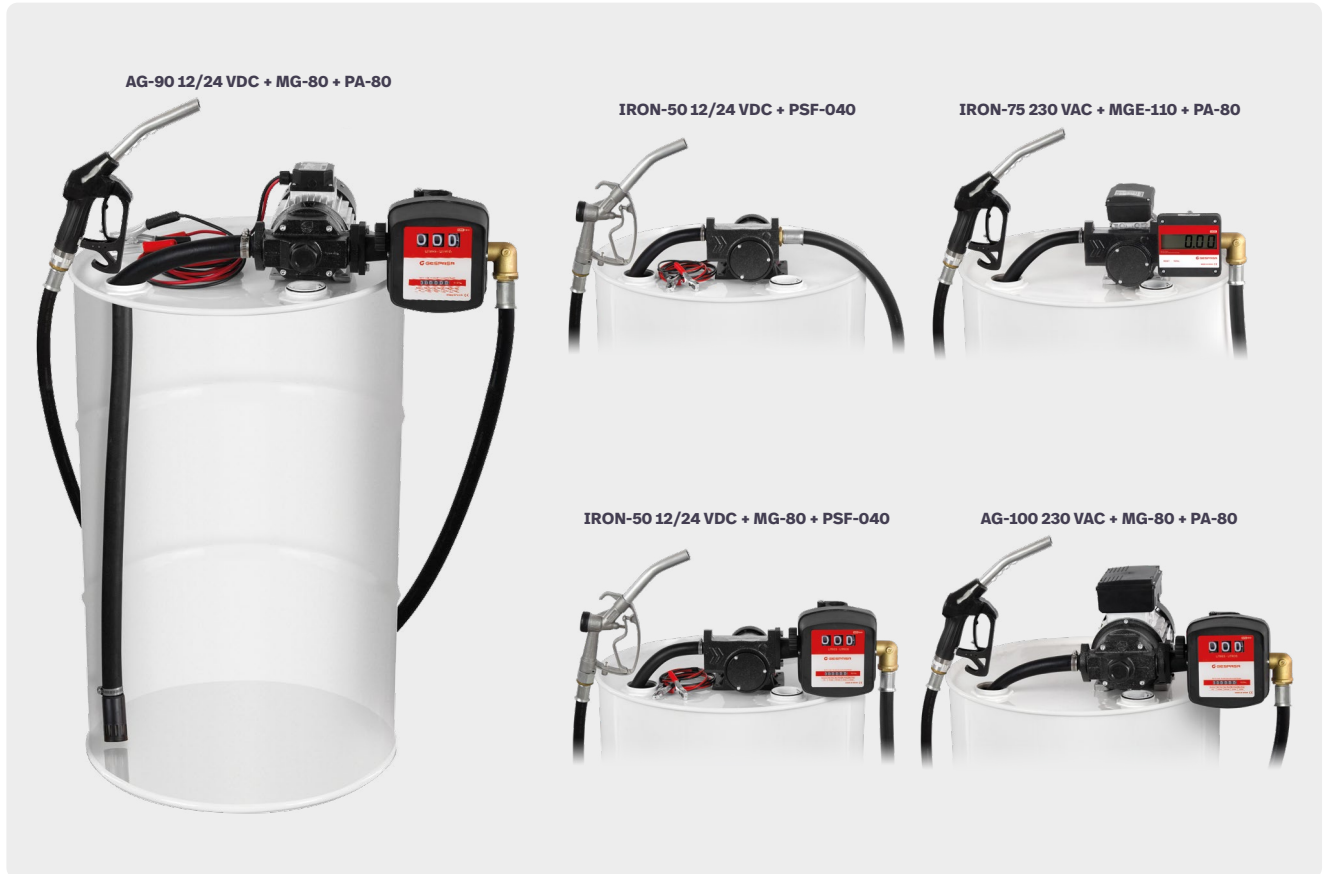
⊕ DIESEL

# Horizontal kits

50-100 l/min

12/24 VDC · 110/230 VAC

Horizontal kits with the required elements for diesel transfer from a drum or tank. Easy installation.



COMPONENTS

- › Self-suction pump
- › With or without mechanical or electronic meter
- › Manual or automatic nozzle
- › 4 m antistatic double layer delivery hose for diesel with adapters in both ends
- › 1.70 m hose special for diesel
- › Foot filter
- › M1"x25 mm PP adapter
- › 2 x 25x40 mm brackets

	Pump	Flow	Nozzle	Fluids	Pump	Pump + MG-80	Pump + MGE-110
IRON-50H 12 V	IRON-50 12 VDC	50 l/min	PSF-040 manual	⊕	16024-CF00000	16025-CF00000	16026-CF00000
IRON-50H 12 V	IRON-50 12 VDC	50 l/min	PA-60 automatic	⊕	16024-CF00002	16025-CF00002	16026-CF00002
IRON-50H 24 V	IRON-50 24 VDC	50 l/min	PSF-040 manual	⊕	16024-CF00001	16025-CF00001	16026-CF00001
IRON-50H 24 V	IRON-50 24 VDC	50 l/min	PA-60 automatic	⊕	16024-CF00003	16025-CF00003	16026-CF00003
IRON-50H 110 V	IRON-50 110 VAC	50 l/min	PSF-040 manual	⊕	16000-CF00100	16001-CF00100	16002-CF00100
IRON-50H 110 V	IRON-50 110 VAC	50 l/min	PA-60 automatic	⊕	16000-CF00101	16001-CF00101	16002-CF00101
IRON-50H 230 V	IRON-50 230 VAC	50 l/min	PSF-040 manual	⊕	16000-CF00000	16001-CF00000	16002-CF00000
IRON-50H 230 V	IRON-50 230 VAC	50 l/min	PA-60 automatic	⊕	16000-CF00001	16001-CF00001	16002-CF00001
IRON-75H 230 V	IRON-75 230 VAC	75 l/min	PA-80 automatic	⊕	16006-CF00001	16007-CF00001	16008-CF00001
AG-90H 12 V	AG-90 12 VDC	80 l/min	PA-80 automatic	⊕	16012-CF00002	16013-CF00002	16014-CF00002
AG-90H 24 V	AG-90 24 VDC	80 l/min	PA-80 automatic	⊕	16012-CF00003	16013-CF00003	16014-CF00003
AG-100H 230 V	AG-100 230 VAC	100 l/min	PA-80 automatic	⊕	16018-CF00001	16019-CF00001	16020-CF00001

## Vertical kits

50-100 l/min

12/24 VDC · 110/230 VAC

Vertical kits with the required elements for diesel transfer from a drum or tank.  
Easy installation.



## 03 / Self-suction pump supply kits

P. 10 → Diesel self-suction pumps

P. 32 → Mechanical meters

P. 35 → MGE-110

P. 88 → Manual & automatic nozzles

⊙ DIESEL

### COMPONENTS

- › Self-suction pump
- › With or without mechanical or electronic meter
- › Manual or automatic nozzle
- › 4 m antistatic double layer delivery hose for diesel with adapters in both ends
- › Telescopic tube kit, height 1.90 m with filter built in

	Pump	Flow	Nozzle	Fluids	Pump	Pump + MG-80	Pump + MGE-110
IRON-50V 12 V	IRON-50 12 VDC	50 l/min	PSF-040 manual	⊙	16027-CF00000	16028-CF00000	16029-CF00000
IRON-50V 12 V	IRON-50 12 VDC	50 l/min	PA-60 automatic	⊙	16027-CF00002	16028-CF00002	16029-CF00002
IRON-50V 24 V	IRON-50 24 VDC	50 l/min	PSF-040 manual	⊙	16027-CF00001	16028-CF00001	16029-CF00001
IRON-50V 24 V	IRON-50 24 VDC	50 l/min	PA-60 automatic	⊙	16027-CF00003	16028-CF00003	16029-CF00003
IRON-50V 110 V	IRON-50 110 VAC	50 l/min	PSF-040 manual	⊙	16003-CF00010	16004-CF00100	16005-CF00100
IRON-50V 110 V	IRON-50 110 VAC	50 l/min	PA-60 automatic	⊙	16003-CF00100	16004-CF00101	16005-CF00101
IRON-50V 230 V	IRON-50 230 VAC	50 l/min	PSF-040 manual	⊙	16003-CF00000	16004-CF00000	16005-CF00000
IRON-50V 230 V	IRON-50 230 VAC	50 l/min	PA-60 automatic	⊙	16003-CF00001	16004-CF00001	16005-CF00001
IRON-75V 230 V	IRON-75 230 VAC	75 l/min	PA-80 automatic	⊙	16009-CF00001	16010-CF00001	16011-CF00001
AG-90V 12 V	AG-90 12 VDC	80 l/min	PA-80 automatic	⊙	16015-CF00002	16016-CF00002	16017-CF00002
AG-90V 24 V	AG-90 24 VDC	80 l/min	PA-80 automatic	⊙	16015-CF00003	16016-CF00003	16017-CF00003
AG-100V 230 V	AG-100 230 VAC	100 l/min	PA-80 automatic	⊙	16021-CF00001	16022-CF00001	16023-CF00001

03 /

Self-suction pump supply kits

Kit Equipe · Kits with outdoor cabinet

50-100 l/min

12/24 VDC · 110/230 VAC

P. 10 → Diesel self-suction pumps

P. 14 → Self-suction explosionproof pumps

P. 32 → Mechanical meters

P. 35 → MGE-110

P. 88 → Manual & automatic nozzles

P. 99 → Cabinets for external use

Kit assembled inside a cabinet for its protection. It can be equipped with a microfilter.

Ⓧ DIESEL



COMPONENTS

- › Self-suction pump
- › Electronic or mechanical meter
- › With or without filter
- › Outdoor cabinet made of steel with a lower opening to pass the hose, nozzle hanger and locking with key and/or padlock (padlock not included).

	Pump	FG-100 microfilter	Cabinet	Fluids	Pump + MGE-110	Pump + MG-80
<b>Kit Equipe</b>	IRON-50 230 VAC	Yes	AS-5B	Ⓧ	55051-CF00000	55050-CF00000
<b>S-50 230 V kit</b>	IRON-50 230 VAC	No	AS-5P	Ⓧ	55111-CF00000	55110-CF00000
<b>S-75 230 V kit</b>	IRON-75 230 VAC	No	AS-5P	Ⓧ	55251-CF00000	55250-CF00000
<b>SAG-100 230 V kit</b>	AG-100 230 VAC	No	AS-5B	Ⓧ	55041-CF00000	55040-CF00000

# Diesel battery kit

50 l/min

12/24 VDC

Kit with the required elements for diesel transfer with a battery pump and a printed box.



03 /

Self-suction  
pump supply  
kits

P. 11 → IRON-50  
12/24 VDC

P. 46 → Foot filter

P. 88 → Manual &  
automatic nozzles

P. 97 → Accessories

Ⓢ DIESEL

## COMPONENTS

- › Self-suction diesel battery pump
- › Manual nozzle
- › 4 m Ø19 mm antistatic double layer delivery hose for diesel with adapters in both ends
- › Foot filter with stainless mesh
- › 2 x 25x40 mm brackets
- › 1" PP adapter BSP
- › Supplied with a printed box

## PACKAGING

- Ⓢ 350x305x195 mm  
LxWxH (approx.)
- Ⓢ 8.25 kg  
(approx.)
- Ⓢ 50 units / pallet  
(EUR-pallet)

	Pump	Nozzle	Suction	Fluids	
Diesel battery kit 12 V	IRON-50 12 VDC	PSF-040 manual	No	Ⓢ	14193-CF00000
Diesel battery kit 24 V	IRON-50 24 VDC	PSF-040 manual	No	Ⓢ	14193-CF00001

# 04 / Flow curves · Self-suction pumps

P. 10 → IRON-50  
110/230 VAC

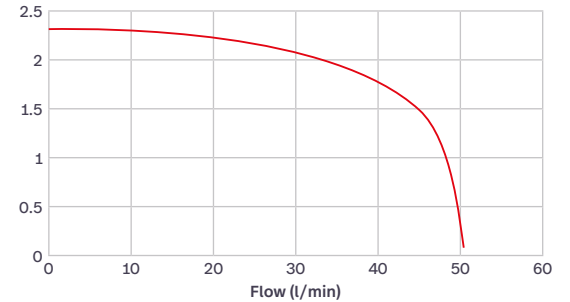
## IRON-50 110/230 VAC

### EQUIVALENCES CHART

	Free	PSF-040	PA-60
<b>IRON-50 230 VAC</b>	50 l/min 1.2 A	46 l/min 1.6 A	45 l/min 1.7 A
<b>S-50 230 V</b>	47 l/min 1.4 A	44 l/min 1.6 A	43 l/min 1.7 A

Connection: 1" · Suction: 2.7 m 1 ¼" · Delivery: 4 m 1"

Pressure · NPSH (bar)



P. 11 → IRON-50  
12/24 VDC

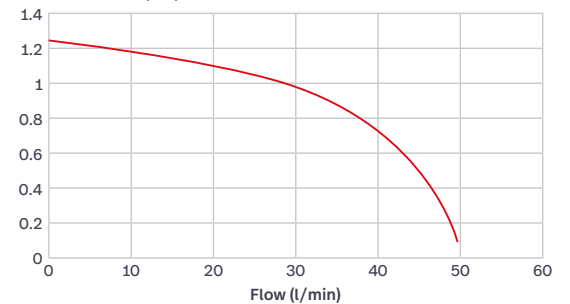
## IRON-50 12/24 VDC

### EQUIVALENCES CHART

	Free	PSF-040	PA-80
<b>IRON-50 12 VDC</b>	50 l/min 16 A	44 l/min 18 A	34 l/min 19 A
<b>S-50 12 V</b>	42 l/min 17 A	36 l/min 18 A	28 l/min 19 A
<b>IRON-50 24 VDC</b>	50 l/min 7.9 A	44 l/min 8.9 A	33 l/min 9.5 A
<b>S-50 24 V</b>	42 l/min 8.5 A	36 l/min 9.1 A	28 l/min 9.5 A

Connection: 1" · Suction: 2.7 m 1 ¼" · Delivery: 4 m 1"

Pressure · NPSH (bar)



P. 11 → IRON-75  
230 VAC

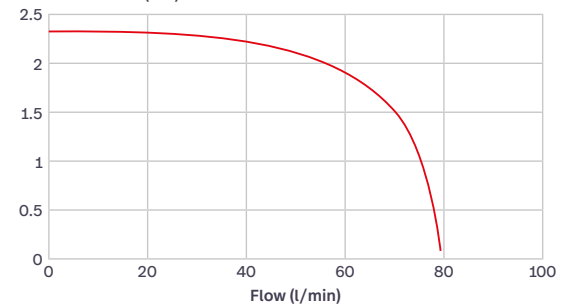
## IRON-75 230 VAC

### EQUIVALENCES CHART

	Free	PSF-040	PA-80
<b>IRON-75 230 VAC</b>	80 l/min 1.9 A	74 l/min 2.1 A	72 l/min 2.2 A
<b>S-75 230 V</b>	75 l/min 2 A	71 l/min 2.3 A	69 l/min 2.4 A

Connection: 1" · Suction: 2.7 m 1 ½" · Delivery: 4 m 1 ¼"

Pressure · NPSH (bar)



## AG-90 12/24 VDC

### EQUIVALENCES CHART

	Free	PSF-040	PA-80	PA-120
<b>AG-90 12 VDC</b>	90 l/min 38 A	75 l/min 42 A	70 l/min 44 A	76 l/min 42 A
<b>SAG-90 12 V</b>	85 l/min 45 A	58 l/min 48 A	56 l/min 48 A	60 l/min 46 A
<b>AG-90 24 VDC</b>	92 l/min 30 A	78 l/min 32 A	72 l/min 33 A	80 l/min 31 A
<b>SAG-90 24 V</b>	68 l/min 34 A	60 l/min 35 A	57 l/min 36 A	62 l/min 35 A

Connection: 1" · Suction: 2.7 m 1 1/2" · Delivery: 4 m 1 1/4"

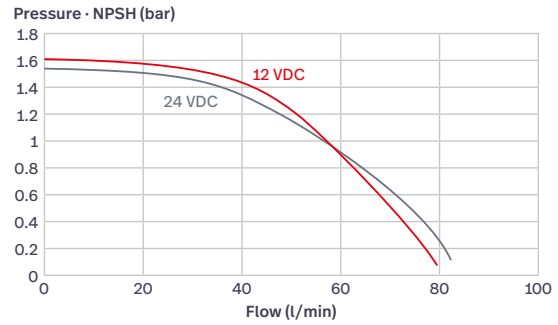
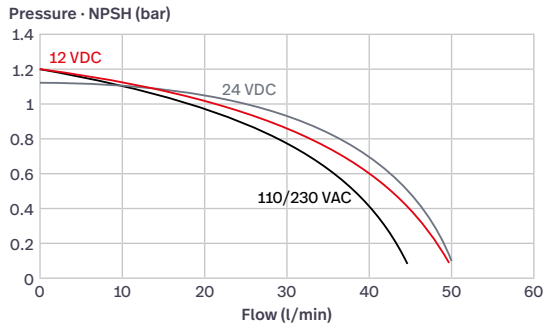
## AG-100 230 VAC

### EQUIVALENCES CHART

	Free	PSF-040	PA-80	PA-120
<b>AG-100 230 VAC</b>	96 l/min 3.9 A	85 l/min 5.1 A	85 l/min 4.8 A	88 l/min 4.1 A

Connection: 1" · Suction: 2.7 m 1 1/2" · Delivery: 4 m 1 1/4"

## IRON-45 Ex 110/230 VAC · 12/24 VDC



## 04 /

### Flow curves · Self-suction pumps

P. 12 → AG-90 12/24 VDC

P. 12 → AG-100 230 VAC

P. 13 → BAG-800 230 VAC

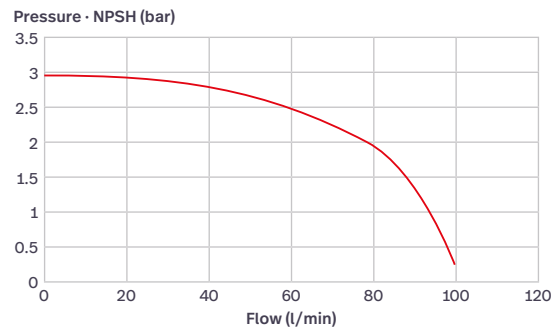
P. 14 → IRON-45 Ex 110/230 VAC · 12/24 VDC

P. 15 → IRON-50 Ex 110/230 VAC · 12/24 VDC

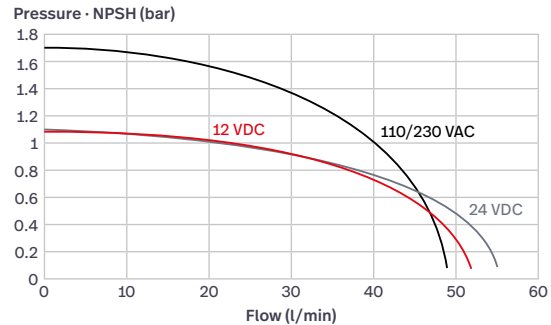
P. 15 → AG-800 110/230 VAC · AG-900 12 VDC

P. 16 → BAG-800 Ex 230 VAC · 230/400 VAC

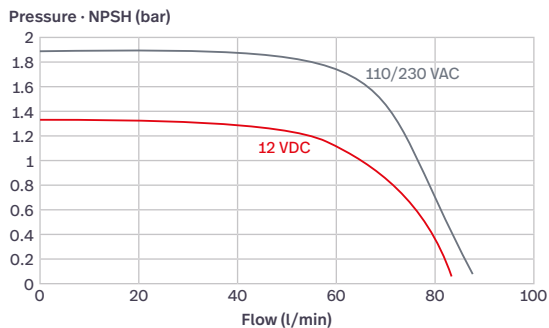
P. 17 → Kits without base



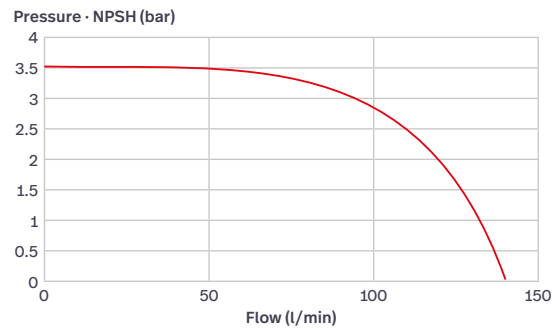
## IRON-50 Ex 110/230 VAC · 12/24 VDC



## AG-800 110/230 VAC · AG-900 12 VDC



## BAG-800 230 VAC · BAG-800 Ex 230 VAC · 230/400 VAC



# 05 / High flow pumps

P. 42 → High flow meters

- ⊕ DIESEL
- ⊕ PETROL

## BDP electric motor IP-55 or ATEX

100-2,000 l/min

1 ¼-4"

2.5-5 bar

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



**TECHNICAL DATA**

<b>Operation:</b>	S1 continuous
<b>Motor speed:</b>	1,500 rpm
<b>Protection:</b>	IP-55
<b>Pressure:</b>	2.5-5 bar
<b>ATEX Category:</b>	EExd IICT5 (only EExd models)
<b>Connection:</b>	BSP thread or Welded flange

**COMPONENTS**

- › Built in reducer

	Free flow	Motor	Motor voltage	BSP thread	Dimensions (approx.)	Net weight (approx.)	Fluids	
BDP-100 · IP-55	100 l/min	1.1 kW	230/400 VAC	F1 ¼"	628x220x315 mm	55 kg	⊕	101900200
BDP-100 · EExd	100 l/min	1.1 kW	230/400 VAC	F1 ¼"	628x220x315 mm	55 kg	⊕ ⊕	101900100
BDP-200 · IP-55	200 l/min	2.2 kW	230/400 VAC	F1 ½"	980x250x360 mm	85.5 kg	⊕	101000100
BDP-200 · EExd	200 l/min	2.2 kW	230/400 VAC	F1 ½"	980x250x360 mm	85.5 kg	⊕ ⊕	101000000
	Free flow	Motor	Motor voltage	Welded flange	Dimensions (approx.)	Net weight (approx.)	Fluids	
BDP-300 · IP-55	300 l/min	2.2 kW	230/400 VAC	2 ½"	1,033x300x364 mm	125 kg	⊕	101200100
BDP-300 · EExd	300 l/min	2.2 kW	230/400 VAC	2 ½"	1,033x300x364 mm	125 kg	⊕ ⊕	101200000
BDP-500 · IP-55	500 l/min	4 kW	230/400 VAC	2 ½"	1,064x300x409 mm	148.5 kg	⊕	101100100
BDP-500 · EExd	500 l/min	4 kW	230/400 VAC	2 ½"	1,064x300x409 mm	148.5 kg	⊕ ⊕	101100000
BDP-700 · IP-55	700 l/min	5.5 kW	400/690 VAC	3"	1,180x300x409 mm	220 kg	⊕	101700100
BDP-700 · EExd	700 l/min	5.5 kW	400/690 VAC	3"	1,180x300x409 mm	220 kg	⊕ ⊕	101700000
BDP-1000 · IP-55	1,000 l/min	7.5 kW	400/690 VAC	3"	1,341x350x409 mm	227 kg	⊕	101300100
BDP-1000 · EExd	1,000 l/min	7.5 kW	400/690 VAC	3"	1,341x350x409 mm	227 kg	⊕ ⊕	101300000
BDP-2000 · IP-55	2,000 l/min	15 kW	400/690 VAC	4"	1,532x400x565 mm	478 kg	⊕	102500300
BDP-2000 · EExd	2,000 l/min	15 kW	400/690 VAC	4"	1,532x400x565 mm	478 kg	⊕ ⊕	102500000

**Optional**

① 2 ½" mesh filter · 2,000 µm · (BDP-300/500)	101201001
① 3" mesh filter · 3,000 µm (BDP-700/1000)	101301002

## BDP diesel motor

100-2,000 l/min

1 ¼-4"

2.5-5 bar

Bedplate high flow vane pumps of positive displacement with heavy-duty diesel motor and bypass valve. Also available with petrol motor.

### TECHNICAL DATA

Type: 4-time air-cooled of 1 cylinder  
Pressure: 2.5-5 bar



05 /  
High flow pumps

P. 42 → High flow meters

⊙ DIESEL

	Free flow	Connection	Fluids	
BDP-200 · diesel motor	200 l/min	BSP thread F1 ½"	⊙	101000300
BDP-300 · diesel motor	300 l/min	Welded flange 2 ½"	⊙	101200300
BDP-500 · diesel motor	500 l/min	Welded flange 2 ½"	⊙	101100500
BDP-700 · diesel motor	700 l/min	Welded flange 3"	⊙	101700300
BDP-1000 · diesel motor	1,000 l/min	Welded flange 3"	⊙	101300300
BDP-2000 · diesel motor	2,000 l/min	Welded flange 4"	⊙	102500400

## BDP Orbital hydraulic motor

100-1,000 l/min

1 ¼-3"

2.5-5 bar

High flow vane pumps with bypass valve for the installation in tankers for the mobile supply.

### TECHNICAL DATA

Pressure: 2.5-5 bar



	Free flow	Connection	Fluids	
BDP-100 · hydraulic motor	100 l/min	BSP thread F1 ¼"	⊙	101900300
BDP-200 · hydraulic motor	200 l/min	BSP thread F1 ½"	⊙	101000900
BDP-500 · hydraulic motor	500 l/min	Welded flange 2 ½"	⊙	102800000
BDP-700 · hydraulic motor	700 l/min	Welded flange 3"	⊙	101700200
BDP-1000 · hydraulic motor	1,000 l/min	Welded flange 3"	⊙	101300900

## BDP without motor · 1 or 2 shafts

100-1,000 l/min

1 ¼-3"

2.5-5 bar

High flow vane pumps with bypass, without motor and with one or two shafts to be mounted on an installation.

### TECHNICAL DATA

Pressure: 2.5-5 bar



	Free flow	Connection	Fluids	
BDP-100 without motor · 1 shaft	100 l/min	BSP thread F1 ½"	⊙	101900500
BDP-200 without motor · 1 shaft	200 l/min	BSP thread F1 ½"	⊙	101000200
BDP-300/500 without motor · 1 shaft	300/500 l/min	Welded flange 2 ½"	⊙	101100200
BDP-1000 without motor · 1 shaft	1,000 l/min	Welded flange 3"	⊙	101300200

# 06 / Centrifugal pumps

P. 36 → MGE-250

P. 99 → Bases for the supply kits

⊕ DIESEL

## CG-150 230 VAC

100-500 l/min

1.1 kW

F2" BSP

Centrifugal pump with thermal protector for the fuel transfer.

### TECHNICAL DATA

Free flow:	100-500 l/min
Consumption:	9.2 A
Operation:	S1 continuous
Suction with check valve:	6 m
Max. height:	25 m.c.a.
Connection:	F2" BSP threads
Dimensions (approx.):	380 x 210 x 285 mm
Net weight (approx.):	23.3 kg



	Motor	Motor speed	Base no. 3	Meter	Fluids	
CG-150 230 VAC · 50 Hz	1.1 kW	2,800 rpm	No	No	⊕	02050-CF00000
CG-150 230 VAC · 60 Hz	1.3 kW	3,300 rpm	No	No	⊕	02050-CF00007
SCG-150 · 50 Hz · Pump with electronic gear meter	1.1 kW	2,800 rpm	No	MGE-250	⊕	31720-CF00000
SCG-150 · 50 Hz · Pump with electronic gear meter	1.1 kW	2,800 rpm	Yes	MGE-250	⊕	309700000

## CG-1000 230 VAC · 230/400 VAC CG-1600 230/400 VAC

250-1,600 l/min

3-4 kW

F3" · F4" BSP

Single-impeller centrifugal pump with thermal protector.

### TECHNICAL DATA

Operation:	S1 continuous
Motor speed:	2,900 rpm
Protection:	IP-44
Suction with check valve:	6 m
Max. height:	25 m.c.a.



	Free flow	Motor	Consumption	Connection	Fluids	Dimensions (approx.)	Net weight (approx.)	
CG-1000 230 VAC	250-1,000 l/min	3 kW	15 A	F3"	⊕	455x225x292 mm	31.6 kg	022600100
CG-1000 230/400 VAC	250-1,000 l/min	4 kW	11.6/6.7 A	F3"	⊕	455x225x292 mm	31.6 kg	022600000
CG-1600 230/400 VAC	600-1,600 l/min	4 kW	15/8.8 A	F4"	⊕	480x250x330mm	41.1 kg	022500000

## CG-400HD Ex 230 VAC · 230/400 VAC

400 l/min

1.5 kW

F2" BSP

Self-priming electric pump of monobloc execution with multi-blades open impeller.

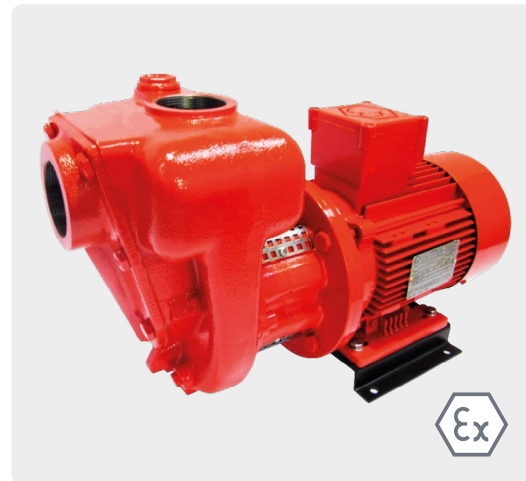
### TECHNICAL DATA

Free flow:	400 l/min
EExd Motor:	1.5 kW
Operation:	S1 continuous
Motor speed:	2,800 rpm
Protection:	IP-55
ATEX Category:	II 2G Ex h IIB T4 Gb
Max. suction depth:	6 m
Connection:	F2" BSP
Dimensions (approx.):	545x260x345 mm
Net weight (approx.):	31 kg

### COMPONENTS

- › Cast iron body
- › Cast iron impeller
- › AISI 316 Stainless steel motor shaft
- › Check valve placed in the pump body
- › Cast iron support

	Consumption	Fluids	
CG-400HD Ex 230 VAC	12.3 A	⊕ ⊖	10241-CF00000
CG-400HD Ex 230/400 VAC	5.9/3.4 A	⊕ ⊖	10240-CF00000



06 /  
Centrifugal  
pumps

⊕ DIESEL  
⊖ PETROL

## CG-750HD Ex 230 VAC · 230/400 VAC

900 l/min

2.2 kW

F3" BSP

Self-priming electric pump of monobloc execution with multi-blades open impeller.

### TECHNICAL DATA

Free flow:	750 l/min
EExd Motor:	2.2 kW
Operation:	S1 continuous
Motor speed:	2,800 rpm
Protection:	IP-55
ATEX Category:	II 2G Ex d IIC T4
Max. suction depth:	6 m
Connection:	F3" BSP
Dimensions (approx.):	600x260x345 mm
Net weight (approx.):	37.2 kg

### COMPONENTS

- › Cast iron body
- › Cast iron impeller
- › AISI 316 Stainless steel motor shaft
- › Check valve placed in the pump body
- › Cast iron support

	Consumption	Fluids	
CG-750HD Ex 230 VAC	13.1 A	⊕ ⊖	10200-CF00000
CG-750HD Ex 230/400 VAC	8.3-4.8 A	⊕ ⊖	10201-CF00000



# 07 / Manual pumps & drill pump

-  DIESEL
-  PETROL
-  LUBRICANT
-  WATER

## 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
- › 1 1/2" or 2" connection adaptable to metallic drums from 50 to 200 litres

	Fluids		
BP-5 · Manual lever pump			040100000



## TMG · Manual bellow pumps










Bellow pumps made of polyethylene for the transfer of diesel, petrol, water and other chemical products and/or solvents.

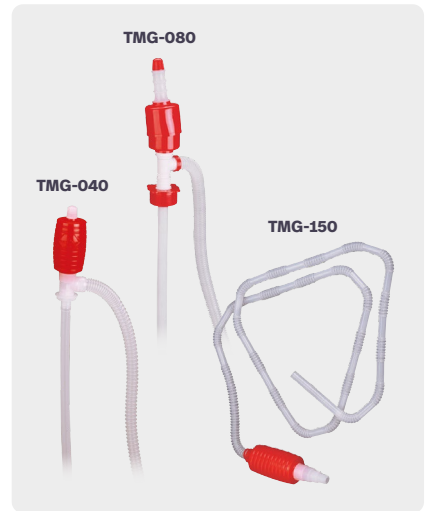
**TECHNICAL DATA**

**Flow:** depending on the piston-stroke

**MODELS**

- › TMG-040 suitable for the refuelling of kerosene stoves
- › TMG-080
- › TMG-150 flexible pump suitable to put in the vehicles tanks

	Flow	Tube	Fluids	
TMG-040	6 l/min	0.4 m · 50-litre drums	  	040600000
TMG-080	20 l/min	0.8 m · 200-litre drums	  	040500000
TMG-150	6 l/min	1.5 m · flexible	  	040400000



## 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 · Outlet connection:** 1" · 3/4"

**COMPONENTS**

- › 2.5 m Ø3/4" hose
- › Drum plug adjustable at 2"
- › 1 m Ø33.5 mm suction tube
- › Heavy-duty steel handle
- › Nozzle hanger

	Fluids		
BMP · Manual piston pump			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

### COMPONENTS

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

	Meter	Fluids	
BRM-88	No	⊕	040300000
BRM-8880 · Pump + mechanical meter	MG-80	⊕	340500000

## BRM-88 Ex · Rotary aluminium pump

Self-suction – explosionproof 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

### COMPONENTS

- › 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

	Meter	Fluids	
BRM-88 Ex	No	⊕ ⊕	040300100
BRM-8880A · Pump + mechanical meter	MG-80A	⊕ ⊕	340500300

## BT-87 · Drill pump

Eccentric, self-suction pump with self-adjusting blades adaptable to a drill. Useful to empty baths, aquariums, washing machines, flooded basements and as a caravanning and laboratories auxiliary. Special for diesel, water, herbicides, antifreeze, ...

### TECHNICAL DATA

**Flow:** 20 l/min (with recommended drill)  
**Self-suction height:** 1.5 m (with recommended drill)  
**Hose connection:** Ø21 mm  
**Recommended drill:** 650 W · 2,000 rpm

### COMPONENTS

- › Supplied with a box with EAN-13 bar code

	Dimensions (approx.)	Net weight (approx.)	Fluids	
BT-87	130x90x66 mm	0.45 kg	⊕	001000000
BT-87 · Cardboard display rack with 6 BT-87	194x222x178 mm	2.7 kg	⊕	001000100

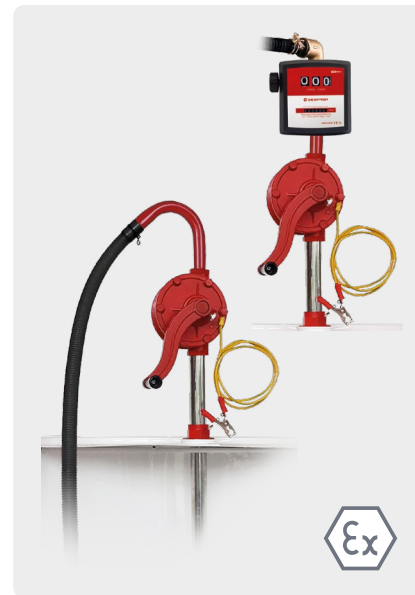


## 07 / Manual pumps & drill pump

P. 32 → MG-80

P. 33 → MG-80A ·  
MG-84A

⊕ DIESEL  
⊕ PETROL



# 08 / Mechanical meters

P. 97 → Accessories

## MG-80

15-90 l/min

±1% accuracy

1"

- ⊕ DIESEL
- ⊕ PETROL
- ⊕ ADBLUE / DEF
- ⊕ WATER

Mechanical meter with oscillating disc. For private use, not suitable for fiscal operations.



### TECHNICAL DATA

<b>Flow:</b>	15-90 l/min
<b>Accuracy:</b>	±1% (15-90 l/min) · ±0.8% (20-90 l/min) · ±0.5% (50-70 l/min)
<b>Max. pressure:</b>	3.5 bar
<b>Ambient temperature:</b>	-10 °C / +60 °C
<b>Partial indicator:</b>	3 digits
<b>Totaliser:</b>	6 digits
<b>Connection:</b>	1" BSP · 3 inlets and 2 outlets
<b>Dimensions (approx.):</b>	150x150x170 mm
<b>Net weight (approx.):</b>	1.6 kg

### PACKAGING

⊞	180x180x180 mm LxWxH (approx.)
⚖	2 kg (approx.)
🚚	240 units / pallet (EUR-pallet)

### COMPONENTS

- › Polyamide + Fibreglass housing
- › 2 additional MF1" GAS (BSP) adapters
- › Red adapter with filter sieve of 350 µm
- › Calibration screw cap

	Fluids	Litres	US GAL
<b>MG-80</b>	⊕ ⊕ ⊕	32000-CF00000	32000-CF00010
<b>MG-80V · Viton joints</b>	⊕ ⊕	32070-CF00000	32070-CF00010

### Optional

① M1" Complete Long Union Flange Kit in PA + Fibreglass	800003027
② Stainless filter-sieve 350 µm Ø33 mm	460000003
③ MF1" adapter in PA + Fibreglass · BSP long thread	320004018
③ MF1" adapter in PA + Fibreglass · BSP short thread with stainless sieve of 350 µm	320004117
③ MF1" adapter NPT thread	320004048
Ø24x3.5 mm NBR joint	803100022

# MG-80A · MG-84A

15-90 l/min

±1% accuracy

1"

08 /  
Mechanical  
meters

P. 97 → Accessories

Mechanical aluminium meter of fireproof measuring chamber with oscillating disc.  
For private use, not suitable for fiscal operations.

- ⊕ DIESEL
- ⊕ PETROL
- ⊕ BIODIESEL



**TECHNICAL DATA**

**Flow:** 15-90 l/min  
**Accuracy:** ±1% (15-90 l/min) · ±0.8% (20-90 l/min) · ±0.5% (50-70 l/min)  
**ATEX Category:** II 2G Ex h IIB T5 Gb  
**Max. pressure:** 5 bar  
**Resistance pressure:** 15 bar  
**Ambient temperature:** -10 °C / +60 °C  
**Connection:** F1" BSP (NPT available) · 1 inlet and 1 outlet  
**Dimensions (approx.):** 180x132x165 mm  
**Net weight (approx.):** 1.95 kg

**PACKAGING**

- ⊕ 185x175x170 mm LxWxH (approx.)
- ⊕ 2.08 kg (approx.)
- ⊕ 240 units / pallet (EUR-pallet)

**COMPONENTS**

- › Aluminium body
- › Polyamide + Fibreglass housing
- › Calibration screw cap

	Partial indicator	Totaliser	Fluids	Litres	US GAL
MG-80A	3 digits	6 digits	⊕	32300-CF00000	32300-CF00010
MG-80AV · Viton joints	3 digits	6 digits	⊕ ⊕ ⊕	32340-CF00000	32340-CF00010
MG-84A	4 digits	8 digits	⊕	32360-CF00000	32360-CF00002
MG-84AV · Viton joints	4 digits	8 digits	⊕ ⊕ ⊕	32370-CF00000	32370-CF00002

# 09 / Electronic meters

Ⓢ DIESEL  
Ⓢ LUBRICANT

## MGE-40

2-50 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

<b>Accuracy:</b>	±0.5%
<b>Max. pressure:</b>	50 bar
<b>Ambient temperature:</b>	-10 °C / +50 °C
<b>Display integers and decimals:</b>	999.99 / 9999.9 / 99999
<b>Totaliser:</b>	99,999 (5 digits)
<b>Connection:</b>	F1/2" BSP (NPT available)
<b>Dimensions (approx.):</b>	85x60x85 mm
<b>Net weight (approx.):</b>	0.5 kg

### PACKAGING

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

### 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

	Diesel flow	Lubricant flow	Fluids	Litres	US GAL
<b>MGE-40</b>	2-50 l/min	2-40 l/min		32350-CF00000	32350-CF00004

## MGE-110

5-110 l/min

±0.5% accuracy

1"

09 /  
Electronic  
meters

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.

⊖ DIESEL  
⊕ LUBRICANT



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

## PACKAGING

📦	147x85x140 mm LxWxH (approx.)
📊	0.9 kg (approx.)
🚚	800 units / pallet (EUR-pallet)

## 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
- › Long life battery (approx. 4 years)
- › Low consumption display

	Diesel flow	Lubricant flow	Connection	Fluids	Litres	US GAL
MGE-110	5-110 l/min	5-80 l/min	H1" BSP	⊖ ⊕	32600-CF00000	32600-CF00002
MGE-110 · Viton · B100	5-110 l/min	5-80 l/min	H1" BSP	⊖	32600-CF00100	32600-CF00102

## Optional

① F1" aluminium flange complete kit with DIN.933 hexagonal screw	800003036
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09 /  
Electronic  
meters

## MGE-250

10-250 l/min    ±0.5% accuracy    1" or 1 1/2"

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

- Ⓞ DIESEL
- Ⓞ LUBRICANT
- Ⓞ BIODIESEL

**TECHNICAL DATA**

**Accuracy:** ±0.5%  
**Max. pressure:** 45 bar  
**Ambient temperature:** -10 °C / +50 °C  
**Display integers and decimals:** 999.99 / 999.9 / 99999  
**Totaliser:** 99,999 (5 digits)  
**Connection:** F1" or F1 1/2" BSP (NPT available)  
**Dimensions (approx.):** 183x107x140 mm

**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
- › Long life battery (approx. 4 years)
- › Low consumption display

	Diesel flow	Lubricant flow	Connection	Net weight (approx.)	Fluids	Litres	US GAL
MGE-250 · 1"	10-250 l/min	10-150 l/min	F1" BSP	2.3 kg	Ⓞ Ⓞ	32503-CF00000	32503-CF00003
MGE-250 · 1 1/2"	10-250 l/min	10-150 l/min	F1 1/2" BSP	2.5 kg	Ⓞ Ⓞ	32503-CF00001	32503-CF00002
MGE-250 · 1" · Viton · B100	10-250 l/min	10-150 l/min	F1" BSP	2.3 kg	Ⓞ	32503-CF00015	32503-CF00017
MGE-250 · 1 1/2" · Viton · B100	10-250 l/min	10-150 l/min	F1 1/2" BSP	2.5 kg	Ⓞ	32503-CF00012	32503-CF00018



**PACKAGING**

- Ⓞ 180x180x180 mm  
LxWxH (approx.)
- Ⓞ 4 kg  
(approx.)
- Ⓞ 240 units / pallet  
(EUR-pallet)

## MGE-400

15-400 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:** ±0.5%  
**Max. pressure:** 45 bar  
**Ambient temperature:** -10 °C / +50 °C  
**Display integers and decimals:** 999.99 / 999.9 / 99999  
**Totaliser:** 99,999 (5 digits)  
**Connection:** F2" BSP (NPT available)  
**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
- › Long life battery (approx. 4 years)
- › Low consumption display

	Diesel flow	Lubricant flow	Connection	Fluids	Litres	US GAL
MGE-400	15-400 l/min	15-300 l/min	F2" BSP	Ⓞ Ⓞ	32592-CF00000	32592-CF00001
MGE-400 · Viton · B100	15-400 l/min	15-300 l/min	F2" BSP	Ⓞ	32592-CF00005	32592-CF00011



**PACKAGING**

- Ⓞ 310x320x230 mm  
LxWxH (approx.)
- Ⓞ 5 kg  
(approx.)
- Ⓞ 64 units / pallet  
(EUR-pallet)

10 /  
Pulsers

## MGI-40

2-50 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:	±0.5%
Max. pressure:	50 bar
Temperature with Reeds:	-10 °C / +90 °C
Communication channels:	2 channels of 90° or 180°
Pulses:	100 pulses per litre and channel
Connection:	F1/2" 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.)
- 0.6 kg  
(approx.)
- 1,000 units / pallet  
(EUR-pallet)

- DIESEL
- LUBRICANT
- BIODIESEL

MGI-40

Diesel flow  
2-50 l/minLubricant flow  
2-40 l/minFluids  

32281-CF00000

## MGI-110

5-110 l/min

±0.5% accuracy

1"

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

## TECHNICAL DATA

Accuracy:	±0.5%
Max. pressure:	55 bar
Temperature with Reeds:	-10 °C / +90 °C
Communication channels:	2 channels of 90° or 180°
Pulses:	41 pulses per litre and channel
Connection:	F1" BSP (NPT available)
Dimensions (approx.):	123x90x123 mm
Net weight (approx.):	0.85 kg

## COMPONENTS

- › Aluminium body
- › 1.9 m cable





## PACKAGING

- 147x85x140 mm  
LxWxH (approx.)
- 0.9 kg  
(approx.)
- 800 units / pallet  
(EUR-pallet)

	Diesel flow	Lubricant flow	Connection	Fluids	
MGI-110 · 180° Reeds	5-110 l/min	5-80 l/min	F1" BSP		32650-CF00000
MGI-110 · 90° Reeds	5-110 l/min	5-80 l/min	F1" BSP		32651-CF00000
MGI-110 · 90° Hall Effect	5-110 l/min	5-80 l/min	F1" BSP		32660-CF00000

10 /  
Pulsers

-  DIESEL
-  LUBRICANT

## MGI-250

10-250 l/min    ±0.5% accuracy    1" or 1 1/2"

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

**TECHNICAL DATA**

**Accuracy:** ±0.5%  
**Max. pressure:** 45 bar  
**Temperature with Reeds:** -10 °C / +90 °C  
**Communication channels:** 2 channels 180° Reeds  
**Pulses:** 11 pulses per litre and channel  
**Connection:** F1" or F1 1/2" BSP (NPT available)  
**Dimensions (approx.):** 183x129x140 mm





**COMPONENTS**

- › Aluminium body
- › 1.9 m cable



**PACKAGING**

-  180x180x180 mm  
LxWxH (approx.)
-  4 kg  
(approx.)
-  240 units / pallet  
(EUR-pallet)

	Diesel flow	Lubricant flow	Connection	Weight (approx.)	Fluids	
MGI-250 · 1"	10-250 l/min	10-150 l/min	F1" BSP	2.3 kg	 	32511-CF00000
MGI-250 · 1 1/2"	10-250 l/min	10-150 l/min	F1 1/2" BSP	2.5 kg	 	32511-CF00001

## MGI-400

15-400 l/min    ±0.5% accuracy    2"

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

**TECHNICAL DATA**




**Accuracy:** ±0.5%  
**Max. pressure:** 45 bar  
**Temperature with Reeds:** -10 °C / +90 °C  
**Communication channels:** 2 channels 180° Reeds  
**Pulses:** 5.5 pulses per litre and channel  
**Connection:** F2" BSP (NPT available)  
**Dimensions (approx.):** 183x174x140 mm  
**Net weight (approx.):** 4.3 kg

**COMPONENTS**

- › Aluminium body
- › 1.9 m cable



**PACKAGING**

-  310x320x230 mm  
LxWxH (approx.)
-  5 kg  
(approx.)
-  64 units / pallet  
(EUR-pallet)

	Diesel flow	Lubricant flow	Fluids	
MGI-400	15-400 l/min	15-300 l/min	 	32581-CF00000

## MGI-800 12 VDC

30-800 l/min

±0.5% accuracy

3"

Electronic pulser of high accuracy oval gears.

### TECHNICAL DATA

Flow:	30-800 l/min
Accuracy:	±0.5%
Max. pressure:	45 bar
Temperature with Reeds:	-10 °C / +90 °C
Connection:	Flange 3" DIN 2576
Communication channels:	1 channel
Pulses:	5.5 pulses per litre and channel
Dimensions (approx.):	491.5x200x503 mm
Net weight (approx.):	14 kg



10 /  
Pulsers

Ⓢ DIESEL  
Ⓢ LUBRICANT

MGI-800

Fluids



326700000

## MGE/I-110

5-110 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° Reeds
Pulses:	41 pulses per litre and channel
Connection:	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
- › Long life battery (approx. 4 years)
- › Low battery display
- › 1.9 m cable



### PACKAGING

- Ⓢ 180x180x180 mm  
LxWxH (approx.)
- Ⓢ 1.2 kg  
(approx.)
- Ⓢ 240 units / pallet  
(EUR-pallet)

MGE/I-110

Diesel flow

5-110 l/min

Lubricant flow

10-80 l/min

Connection

F1" BSP

Fluids



32602-CF00000

# 11 / Electronic displays

Gespasa electronic displays can be connected to a pump or solenoid valve to display the volume being supplied or the total volume supplied. We have three display models in order to suit the needs of your installation.

## Display E

5 or 7 digits

reset & total

Liquid crystal digital display and tropicalised electronics.

### TECHNICAL DATA

<b>Partial:</b>	5 digits
<b>Total:</b>	7 digits (scroll mode)
<b>Display integers and decimals:</b>	999.99 / 9999.9 / 99999
<b>Input channels:</b>	1 or 2 channels (90° or 180°)
<b>Dimensions (approx.):</b>	250x150x300 mm
<b>Net weight (approx.):</b>	4.15 kg

### COMPONENTS

- › RESET & TOTAL buttons
- › Button battery of long duration (approx. 4 years)
- › Non volatile memory to save calibration parameters and litre totaliser



## Display GE 12/24 VDC · 110/230 VAC

6 digits

preset

Liquid crystal digital display. Preset the volume to be supplied, connecting it to a pump and/or solenoid valve. It shows the partial and total of the supplied volume.

### TECHNICAL DATA

Partial:	6 digits
Total:	6 digits
0.00 to 9999.99 volume:	2 decimals are shown
10000.0 to 99999.9 volume:	1 decimal is shown
≥ 100000 volume:	No decimal is shown
Input channels:	1 or 2 channels (90° or 180°)
Dimensions (approx.):	250x150x300 mm
Net weight (approx.):	4.15 kg

### COMPONENTS

- › x1 & x10 buttons to preset the volume to be supplied
- › Connection to an external switch or nozzle holder
- › Connection to a GK-7M controller through the RS-485 communication bus and the GESPASA communication protocol
- › Signal amplifier output for connection to a display or external controller

Display GE + metal box · 12/24 VDC	253400300
Display GE + metal box · 110/230 VAC	253400200



11 /  
Electronic  
displays

## Display GK-7 12/24 VDC · 110/230 VAC

6 digits

preset &amp; identification

Liquid crystal digital display. It can be configured as a controller and transfer to a software the supplies. It can also operate as a display to preset and stop the pump or solenoid valve. It allows the restricted use to authorised users through numerical code or iButton keys.

### TECHNICAL DATA

Partial:	6 digits
Total:	6 digits
Input channels:	1 or 2 channels (90° or 180°)
Dimensions (approx.):	250x150x300 mm
Net weight (approx.):	4.15 kg

### COMPONENTS

- › Keypad that allows to preset the amount to be supplied and to type the user identification code
- › Ibutton reader for user identification



GK-7 + metal box	25334-CF00000
GK-7Plus + metal box	25336-CF00000

# 12 / High flow meters

P. 26 → High flow pumps

- Ⓛ DIESEL
- Ⓛ PETROL
- Ⓛ LUBRICANT

**GESPASA meters of positive displacement (PD) of rotary movement, for the measurement in the transfer of fuels and industrial fluids. Maximum accuracy in the measurement. Minimum pressure drop. They hold the accuracy because of its measuring chamber with a minimum friction.**

- 1 **Degasser**
  - › The air eliminator must be under pressure, it cannot be empty
- 2 **Cumulative counter**
  - › Non-resettable
  - › Counter of 8 digits
- 3 **Counter**
  - › Mechanical resettable
  - › Counter of 4.1 digits
- 4 **Mesh prefilter**
  - › Prefilter of mesh 80 for diesel
  - › Optional of mesh 40
- 5 **Aluminium body**
  - › Suitable for fuel-oil, diesel, fuel, kerosene, ethylene glycol, motor oil and ink
  - › Stainless steel version available



#### Optional

Ticket printer

Mechanical preset

Electronic preset

Pulser with or without mechanical register

GE · Electronic display with signal output

GK-7 · Supply control

# M-Meters with degasser and prefilter

25-3,000 l/min

±0.2% accuracy

Volumetric high flow meters. Maximum accuracy, minimum pressure drop and long service life.

12 /  
High flow meters

P. 26 → High flow pumps

⊙ DIESEL  
⊙ PETROL  
⊙ LUBRICANT



## TECHNICAL DATA

Accuracy:	±0.2%
Repeatability:	< 0.07 %
ATEX category:	II 2G Ex h IIB T5 Gb
Max. pressure:	10 bar
Ambient temperature:	-30°C / +71°C
Partial indicator:	4.1 digits resettable
Totaliser:	8 digits
Connection:	1 1/2" - 6" BSP threaded flange (NPT available)
Material:	aluminium

## COMPONENTS

- › Aluminium body
- › System of mechanical calibration
- › Degasser
- › Prefilter of mesh 80

	Flow	Connection	Dimensions (approx.)	Weight (approx.)	Fluids	Litres	US GAL
M-40	25-250 l/min	BSP threaded flange 1 1/2"	510x460x490 mm	23 kg	⊙ ⊙	32735-CF00000	32735-CF00010
M-50	55-550 l/min	BSP threaded flange 2"	510x460x490 mm	26 kg	⊙ ⊙	32745-CF00000	32745-CF00010
M-80	115-1,150 l/min	BSP threaded flange 3"	580x500x610 mm	40 kg	⊙ ⊙	32725-CF00000	32725-CF00010
M-100	170-1,700 l/min	BSP threaded flange 4"	760x640x720 mm	70 kg	⊙ ⊙	32715-CF00000	32715-CF00010
M-150	300-3,000 l/min	BSP threaded flange 6"	800x650x790 mm	130 kg	⊙ ⊙	32755-CF00000	32755-CF00010

12 /

High flow meters

P. 26 → High flow pumps

- Ⓛ DIESEL
- Ⓛ PETROL
- Ⓛ LUBRICANT

## M-Meters versions

Wide range of solutions in order to adapt the meter to your installation. The following features are available.



- ① Only the meter
- ② M-Meter + pulse output, with or without mechanical register
- ③ M-Meter + electronic display for pulse output
- ④ M-Meter + preset + mechanical valve of automatic stop
- ⑤ M-Meter + preset + mechanical valve of automatic stop + ticket printer
- ⑥ M-50 INOX for AdBlue/DEF
- ⑦ M-50 for LPG

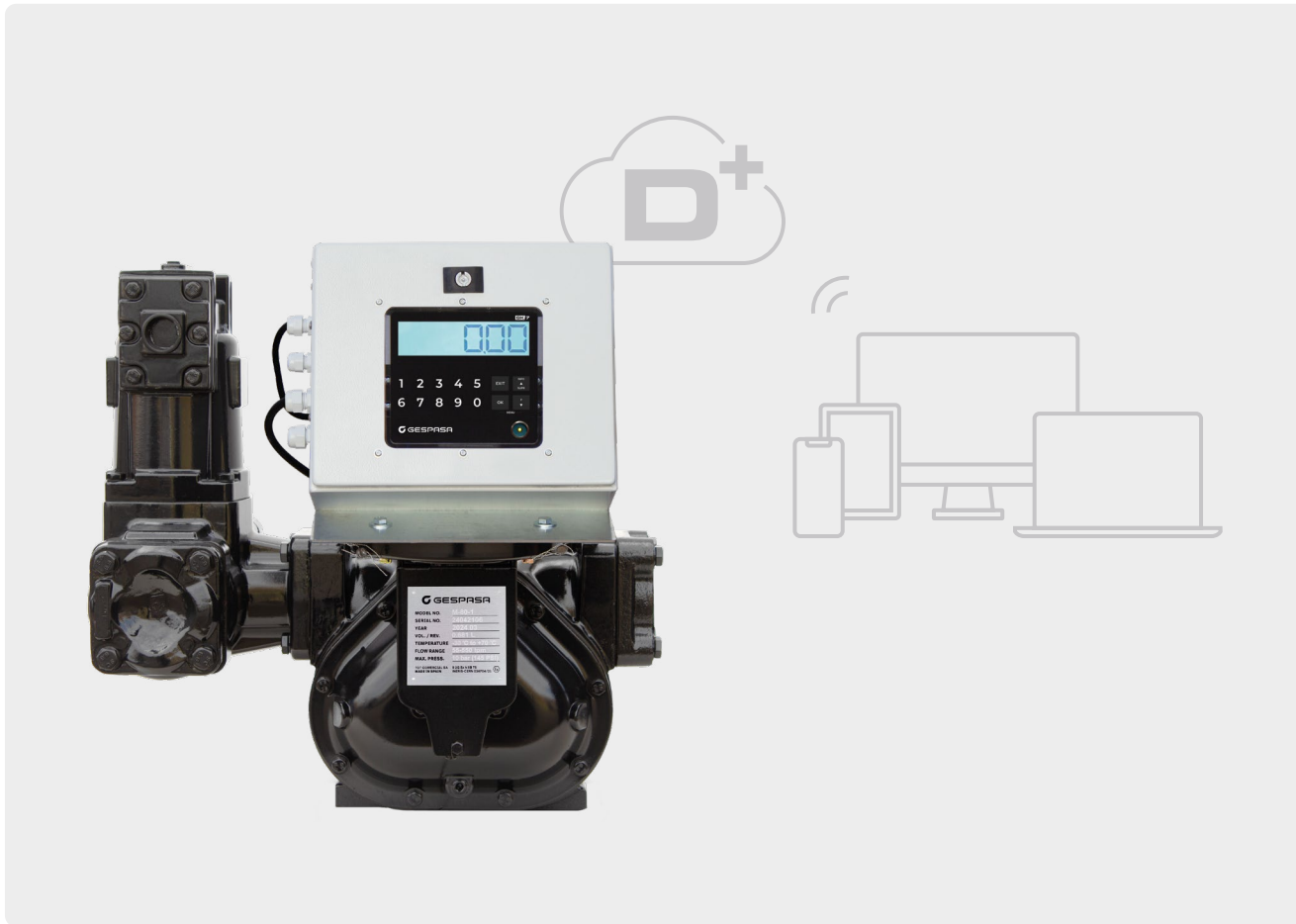
## M-Meters with GK-7Plus

High flow meter with own consumption controller that allows the user identification and the supply transfer to PC.

12 /  
High flow meters

P. 26 → High flow pumps

Ⓞ DIESEL  
Ⓞ PETROL  
Ⓞ LUBRICANT

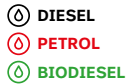


### COMPONENTS

- › Display GK-7Plus
- › GK-7Plus controller of users and vehicles that communicates with the DieselPlus cloud software
- › 60-user/vehicle memory included by default (other memories available).
- › Identification key reader iButton included by default

	Flow	Connection	Dimensions (approx.)	Weight (approx.)	Fluids	
M-40 + GK-7Plus	25-250 l/min	BSP threaded flange 1 1/2"	510x460x490 mm	23 kg	Ⓞ Ⓞ	32731-CF00000
M-50 + GK-7Plus	55-550 l/min	BSP threaded flange 2"	510x460x490 mm	26 kg	Ⓞ Ⓞ	32741-CF00000
M-80 + GK-7Plus	115-1,150 l/min	BSP threaded flange 3"	580x500x610 mm	40 kg	Ⓞ Ⓞ	32721-CF00000

# 13 / Mesh filters



## York base filters

½" York base filter	802700004
¾" York base filter	802700005
1" York base filter	802700003
1 ¼" York base filter	802700002
1 ½" York base filter	802700001
2" York base filter	802700006

## Check valve with or without York base filter

	With filter	Without filter
½" Check valve	805600001	805601009
¾" Check valve	805600002	805601002
1" Check valve	805600003	805601003
1 ¼" Check valve	805600004	805601004
1 ½" Check valve	805600005	805601005
2" Check valve	805600006	805601006
2 ½" Check valve	805600007	805601007
3" Check valve	805600008	805601008

## Multivalent vessel filter

1" Multivalent vessel filter	802704003
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## Aluminium vessel filter

Aluminium vessel filter · 5 bar · FF½"	802702001
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## FUP-1 filter

FUP-1 FF1" filter (Polyamide + Fibreglass) · 350 µm	660300000
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## Foot filter

Foot filter	660200000
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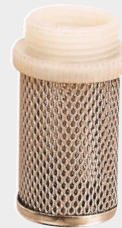
## Transparent vessel filter

FF¾" Transparent vessel filter	802705001
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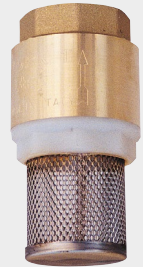
## 'Y' brass filters

½" 'Y' brass filter	802701006	1 ¼" 'Y' brass filter	802701002
¾" 'Y' brass filter	802701004	1 ½" 'Y' brass filter	802701001
1" 'Y' brass filter	802701003	2" 'Y' brass filter	802701008

York base filter



Check valve + York base filter



Multivalent vessel filter



Aluminium vessel filter



FUP-1 filter



Foot filter



Transparent vessel filter



'Y' brass filter



14 /  
Filters

## FG-100

P. 97 → Accessories

105 l/min

5 · 25 µm

Microfilter with transparent vessel that allows the ocular and instantaneous inspection of impurities or water existence.

⓪ DIESEL  
ⓧ PETROL  
⓪ BIODIESEL



## TECHNICAL DATA

Transfer capacity:	105 l/min
Volume:	2 L
Max. working pressure:	5 bar
Max. breaking pressure:	8 bar
Connection:	F1" BSP threads and flanges
Dimensions (approx.):	218x171x300 mm
Net weight (approx.):	2.27 kg

## PACKAGING

⓪	190x220x330 mm LxWxH (approx.)
ⓧ	2.7 kg (approx.)
⓪	100 units / pallet (EUR-pallet)

## COMPONENTS


- › Aluminium top case
- › Transparent plastic vessel
- › Cartridge
- › Manual drain valve
- › Key for replacing the cartridge

	Cartridge	Fluids	
FG-100	Water repellent · 5 µm	⓪	39023-CF00000
FG-100G · VITON	Water repellent · 5 µm	⓪ ⓧ	39071-CF00000
FG-100 · BIODIESEL	25 µm	⓪ ⓪	39023-CF00010

## Optional

① Paper filtering element spare kit + joints · 5 µm	660708001
Paper filtering element spare kit + Viton joints · 5 µm	660708005
Paper filtering element spare kit + joints · 25 µm	660708002
② Key for the cartridge replacing	660705000
③ F1" aluminium flange kit with DIN.933 hexagonal screws + joints	800003036
④ FG-100 wall support	660704000

14 /  
Filters

-  DIESEL
-  PETROL
-  BIODIESEL

## FG-150

150 l/min

5 · 15 · 25 µm

Microfilter with transparent vessel that allows the ocular and instantaneous inspection of impurities or water existence.

**TECHNICAL DATA**




<b>Transfer capacity:</b>	150 l/min
<b>Volume:</b>	10 L
<b>Max. working pressure:</b>	4 bar
<b>Max. breaking pressure:</b>	8 bar
<b>Connection:</b>	F1 ½" BSP
<b>Dimensions (approx.):</b>	Ø263x491 mm
<b>Net weight (approx.):</b>	8 kg






**COMPONENTS**

- › Aluminium top case
- › Transparent plastic vessel
- › Cartridge
- › Manual drain valve
- › Vacuum gauge -1 +3 bar



**PACKAGING**

-  550x380x370 mm  
LxWxH (approx.)
-  9 kg  
(approx.)
-  20 units / pallet  
(EUR-pallet)

	Cartridge	Fluids	
FG-150	Water-repellent · 5 µm		66050-CF00000
FG-150A	Water absorbent · 15 µm	 	66050-CF00030
FG-150BIO	25 µm	 	66050-CF00010

**Optional**

Filtering element spare kit + joints · 5 µm	660508001
Water absorbent filtering element spare kit + joints · 15 µm	660508003
Filtering element spare kit + joints · 25 µm	660508002

## FG-70

70 l/min

10 µm

Spin-on microfilter that removes particulates like dirt, dust and rust. Ideal for protecting and extending the life of your pump and meter. Suitable for petrol, diesel and biodiesel.

**TECHNICAL DATA**

<b>Transfer capacity:</b>	70 l/min
<b>Max. working pressure:</b>	3.4 bar
<b>Max. differential pressure:</b>	1.7 bar
<b>Connection:</b>	F1" BSP
<b>Dimensions (approx.):</b>	101x93.4x280 mm
<b>Net weight (approx.):</b>	0.91 kg

**COMPONENTS**

- › Aluminium top case
- › Cartridge



	Cartridge	Fluids	
FG-70	Water absorbent · 10 µm	  	663300000

**Optional**

1" BSP Aluminium Head	663304000
Water absorbent filtering cartridge of 10 µm	663303000

# FG-300 · FG-450

300 · 450 l/min

2.5 · 3 · 5 · 15 · 50 µm

14 /  
Filters

Aluminium microfilter for the installation in the suction or the delivery of the pumping kit.

P. 50 → Cartridge spares

P. 50 → Metallic cabinets for microfilters

Ⓞ DIESEL  
Ⓞ PETROL  
Ⓞ BIODIESEL



## TECHNICAL DATA

**Max. working pressure:** 6 bar  
**Max. housing pressure:** 10 bar  
**Connection:** F2" BSP

## COMPONENTS




- › Aluminium and stainless steel
- › 1 or 2 cartridges
- › Air drain valve
- › Water detection viewer
- › Differential manometer
- › Manual lower drain valve

## PACKAGING

- Ⓞ FG-300: 935x340x500 mm · FG-450: 1,260x380x420 mm LxWxH (approx.)
- Ⓞ FG-300: 23 kg · FG-450: 33 kg (approx.)
- Ⓞ FG-300: 12 units / pallet · FG-450: 4 units / pallet (EUR-pallet)

	Cartridge	Transfer capacity	Volume	Dimensions (approx.)	Weight (approx.)	Fluids	
FG-300/2.5	2.5 µm	300 l/min	15 L	254x312x670 mm	17 kg	Ⓞ Ⓞ Ⓞ	66194-CF00003
FG-300/3	Water absorbent · 3 µm	300 l/min	15 L	254x312x670 mm	17 kg	Ⓞ Ⓞ Ⓞ	66194-CF00017
FG-300/5	Water absorbent · 5 µm	300 l/min	15 L	254x312x670 mm	17 kg	Ⓞ Ⓞ Ⓞ	66194-CF00018
FG-300/15	Water absorbent · 15 µm	300 l/min	15 L	254x312x670 mm	17 kg	Ⓞ Ⓞ Ⓞ	66194-CF00019
FG-300/50	50 µm	300 l/min	15 L	254x312x670 mm	17 kg	Ⓞ Ⓞ Ⓞ	66194-CF00020
FG-450/2.5	2.5 µm	450 l/min	30 L	254x312x1,150 mm	27 kg	Ⓞ Ⓞ Ⓞ	66370-CF00003
FG-450/3	Water absorbent · 3 µm	450 l/min	30 L	254x312x1,150 mm	27 kg	Ⓞ Ⓞ Ⓞ	66370-CF00008
FG-450/5	Water absorbent · 5 µm	450 l/min	30 L	254x312x1,150 mm	27 kg	Ⓞ Ⓞ Ⓞ	66370-CF00002
FG-450/15	Water absorbent · 15 µm	450 l/min	30 L	254x312x1,150 mm	27 kg	Ⓞ Ⓞ Ⓞ	66370-CF00001
FG-450/50	50 µm	450 l/min	30 L	254x312x1,150 mm	27 kg	Ⓞ Ⓞ Ⓞ	66370-CF00000

14 /  
Filters

-  DIESEL
-  PETROL
-  BIODIESEL

## Cartridge spares

Paper, fibreglass or stainless steel mesh cartridges for the FG-300 and FG-450 microfilters.

Absorbent filtering spare kit + joints · 3 µm	661908002
Absorbent filtering spare kit + joints · 5 µm	661908003
Absorbent filtering spare kit + joints · 15 µm	661908000
Impact filtering spare kit + joints · 50 µm	661908001
Fibreglass filtering element spare kit + joints · 2.5 µm	661908008
Stainless steel mesh filtering spare kit + joints · 100 µm	661908006
Stainless steel mesh filtering spare kit + joints · 200 µm	661908007

**PACKAGING OF 6 UNITS**

-  470x325x495 mm  
LxWxH (approx.)
-  11.5 kg  
(approx.)
-  15 units / pallet  
(EUR-pallet)



## Metallic cabinets for microfilters

Cabinets to protect physically and visually the FG-300 and FG-450 microfilters with special treatment against the corrosion. Size and colour are customisable.

**COMPONENTS**

- › 1.5 mm sheet body
- › Door with transparent glass
- › Opening under the door for the hose
- › Locking with key

	Dimensions (approx.)	Weight (approx.)	
AFG · FG-300	632x590x880 mm	36 kg	570000000
AFG · double 2xFG-300	732x1,040x880mm	58 kg	570100000
AFG · FG-450	632x590x1,280 mm	50.5 kg	570200000



# 15 / Single-stage filters

The assembly of filters in parallel allows to configure a filter with the flow and diameter you need. It is advisable to install a filter with a higher flow than the pump flow. The higher the maximum filter flow is, better filtration efficiency. The longer the fluid is in contact with the filter cartridge, the more particles are retained. Customised configuration according to your needs.

P. 49 → FG-300 ·  
FG-450

P. 50 → Cartridge  
spares

⊕ DIESEL  
⊕ PETROL  
⊕ BIODIESEL

## FG-700

700 l/min

3"

### TECHNICAL DATA

Transfer capacity:	700 l/min
Max. working pressure:	6 bar
Max. housing pressure:	10 bar
Dimensions (approx.):	900x650x775 mm
Net weight (approx.):	65 kg

### COMPONENTS

- › 2x FG-300 in parallel
- › 1 fixed platform



	Cartridges	Connection	
FG-700 · 5	Water absorbent · 5 µm	DIN 2576 3"	662500200
FG-700 · 15	Water absorbent · 15 µm	DIN 2576 3"	662500000
FG-700 · 50	50 µm	DIN 2576 3"	662500100

# 15 /

Single-stage filters

## FG-1000 · FG-1400

1,000 · 1,400 l/min

3" · 4"

P. 49 → FG-300 ·  
FG-450

P. 50 → Cartridge  
spares

- Ⓢ DIESEL
- Ⓢ PETROL
- Ⓢ BIODIESEL



### TECHNICAL DATA

**Max. working pressure:** 6 bar  
**Max. housing pressure:** 10 bar

### COMPONENTS

- › Aluminium, steel and stainless steel
- › 2 or 3 FG-450 in parallel
- › 1 fixed platform
- › Configurable cartridges according to your needs

	Cartridges	Connection	Transfer capacity	Dimensions (approx.)	Weight (approx.)	
FG-1000 · 5	Water absorbent · 5 µm	DIN 2576 3"	1,000 l/min	900x650x1,230 mm	75 kg	66261-CF00002
FG-1000 · 15	Water absorbent · 15 µm	DIN 2576 3"	1,000 l/min	900x650x1,230 mm	75 kg	66261-CF00000
FG-1000 · 50	50 µm	DIN 2576 3"	1,000 l/min	900x650x1,230 mm	75 kg	66261-CF00001
FG-1400 · 3	Water absorbent · 3 µm	DIN 2576 4"	1,400 l/min	1,200x850x1,230 mm	138 kg	66390-CF00000
FG-1400 · 5	Water absorbent · 5 µm	DIN 2576 4"	1,400 l/min	1,200x850x1,230 mm	138 kg	66390-CF00007
FG-1400 · 15	Water absorbent · 15 µm	DIN 2576 4"	1,400 l/min	1,200x850x1,230 mm	138 kg	66390-CF00003
FG-1400 · 50	50 µm	DIN 2576 4"	1,400 l/min	1,200x850x1,230 mm	138 kg	-

## FG-2000 · FG-3000

2,000 · 3,000 l/min

6"

15 /  
Single-stage  
filtersP. 49 → FG-300 ·  
FG-450P. 50 → Cartridge  
spares

Ⓢ DIESEL

Ⓢ PETROL

Ⓢ BIODIESEL



## TECHNICAL DATA

Max. working pressure: 6 bar

Max. housing pressure: 10 bar

## COMPONENTS

- › Aluminium, steel and stainless steel
- › 4 or 6 FG-450 in parallel
- › 1 fixed platform
- › Configurable cartridges according to your needs

	Cartridges	Connection	Transfer capacity	Dimensions (approx.)	Weight (approx.)	
FG-2000 · 3	Water absorbent · 3 µm	DIN 2576 6"	2,000 l/min	1,600x950x1,230 mm	235 kg	66360-CF00003
FG-2000 · 5	Water absorbent · 5 µm	DIN 2576 6"	2,000 l/min	1,600x950x1,230 mm	235 kg	66360-CF00002
FG-2000 · 15	Water absorbent · 15 µm	DIN 2576 6"	2,000 l/min	1,600x950x1,230 mm	235 kg	66360-CF00000
FG-2000 · 50	50 µm	DIN 2576 6"	2,000 l/min	1,600x950x1,230 mm	235 kg	66360-CF00001
FG-3000 · 15	Water absorbent · 15 µm	DIN 2576 6"	3,000 l/min	1,440x1,420x1,230 mm	315 kg	66470-CF00000

# 16 / Two and three-stage filters

P. 49 → FG-300 ·  
FG-450

P. 50 → Cartridge  
spares

Ⓛ DIESEL  
Ⓛ PETROL  
Ⓛ BIODIESEL

To assembly in-line the filters extends the life of the filtering elements, is more profitable and doubles the filtration efficiency. The single-stage filters retain the bigger particles, preventing from excessively clogging the next filters of better efficiency. Customised configuration according to your needs.

## FG-300x2

300 l/min

2"

### TECHNICAL DATA

Transfer capacity:	300 l/min
Max. working pressure:	6 bar
Max. housing pressure:	10 bar
Connection:	F2" BSP
Dimensions (approx.):	1,000x430x775 mm
Net weight (approx.):	62 kg

### COMPONENTS

- › 2x FG-300 in line
- › 1 fixed platform



	Cartridges	
FG-300x2 · 50 / 15	50 µm / 15 µm water absorbent	66060-CF00001
FG-300x2 Mobile · 50 / 15	50 µm / 15 µm water absorbent	66060-CF00000

## FG-450x2 · FG-700x2 · FG-1000x2

450 · 700 · 1,000 l/min

2" · 3" · 4"

16 /  
Two and three-  
stage filtersP. 49 → FG-300 ·  
FG-450P. 50 → Cartridge  
spares

Ⓞ DIESEL  
 Ⓞ PETROL  
 Ⓞ BIODIESEL



## TECHNICAL DATA

Max. working pressure: 6 bar  
 Max. housing pressure: 10 bar

## COMPONENTS

- › 4x FG-300 in line, 2x FG-450 in line or 4x FG-450 in line
- › 1 fixed platform

	Cartridges	Connection	Transfer capacity	Dimensions (approx.)	Weight (approx.)	
FG-450x2 · 50 / 15	50 µm / 15 µm water absorbent	F2" BSP	450 l/min	1,000x430x1,230 mm	72 kg	66090-CF00000
FG-700x2 · 50 / 15	50 µm / 15 µm water absorbent	DIN 2576 3"	700 l/min	1,000x820x775 mm	105 kg	66290-CF00000
FG-1000x2 · 50 / 15	50 µm / 15 µm water absorbent	DIN 2576 4"	1,000 l/min	1,100x830x1,230 mm	130 kg	66312-CF00000

16 /

Two and three-  
stage filters

## FG-2000x2 · FG-2000x3

2,000 l/min

6"

P. 49 → FG-300 ·  
FG-450P. 50 → Cartridge  
spares

- Ⓛ DIESEL
- Ⓛ PETROL
- Ⓛ BIODIESEL



## TECHNICAL DATA

Max. working pressure: 6 bar  
 Max. housing pressure: 10 bar  
 Connection: DIN 2576 6"

## COMPONENTS

- › 8x FG-450 in line or 12x FG-450 in line
- › 1 fixed platform

	Cartridges	Transfer capacity	Dimensions (approx.)	Weight (approx.)	
FG-2000x2 · 50 / 15	50 μm / 15 μm water absorbent	2,000 l/min	1,600x1,255x1,230 mm	375 kg	66362-CF00000
FG-2000x3 · 50 / 15	50 μm / 15 μm water absorbent	2,000 l/min	1,600x1,560x1,230 mm	500 kg	66361-CF00000

## FG-3000x2

3,000 l/min

6"

16 /

Two and three-stage filters

P. 49 → FG-300 · FG-450

P. 50 → Cartridge spares

Ⓢ DIESEL

Ⓢ PETROL

Ⓢ BIODIESEL



## TECHNICAL DATA

Max. working pressure:	6 bar
Max. housing pressure:	10 bar
Connection:	DIN 2576 6"
Dimensions (approx.):	2,984x1,440x1,230 mm
Net weight (approx.):	640 kg

## COMPONENTS

- › 12x FG-450 in line (assembly)
- › 1 fixed platform

# 17 / Filtering kits with pump

P. 10 → IRON-50  
110/230 VAC

P. 15 → IRON-50 Ex  
110/230 VAC ·  
12/24 VDC

P. 16 → BAG-800 Ex  
230 VAC ·  
230/400 VAC

P. 47 → FG-100

P. 49 → FG-300 ·  
FG-450

P. 50 → Cartridge  
spares

- Ⓧ DIESEL
- Ⓧ PETROL
- Ⓧ BIODIESEL

## FILKIT

50 l/min

230 VAC

### Mobile filtering kit.

#### TECHNICAL DATA

**Dimensions (approx.):** 570x500x1,050 mm  
**Net weight (approx.):** 23 kg

#### COMPONENTS

- › Pump
- › 2x microfilters
- › Metallic trolley
- › Cut-off valve in the pump inlet
- › Cut-off valve in the filter outlet
- › Hose and nozzle hanger
- › FUP-1 filter



	Filter 1	Filter 2	Pump	Fluids	
FILKIT FG-100x2 · 25 / 5	25 µm	Water repellent · 5 µm	IRON-50 230 VAC	Ⓧ	662700000
FILKIT Ex FG-100x2 · 25 / 5	25 µm	Water repellent · 5 µm	IRON-50 Ex 230 VAC	Ⓧ Ⓧ	662700600
FILKIT FG-100/FG-70 · 25 / 10	25 µm	Water absorbent · 10 µm	IRON-50 230 VAC	Ⓧ	662700300

#### Optional

6 m suction hose + 4 m delivery hose + PSF-040 manual nozzle + check valve with filter	662708000
6 m suction hose + 4 m delivery petrol hose + PA-80 automatic nozzle + check valve with filter	662708001

## FG-300x2+BAG-800 fixed or mobile filtering kit

100-150 l/min

230/400 · 230 VAC

### Fixed or mobile filtering kit.

#### COMPONENTS

- › Self-suction blade pump
- › 2x FG-300 microfilters  
(1 cartridge of 50 µm + 1 cartridge of 15 µm water absorbent)
- › Fixed platform or metallic trolley
- › 2 inlets for the air connection at pressure to make the filter cleaning



	Pump	Dimensions (approx.)	Fluids	
FG-300x2 Fixed filtering kit · 230 VAC	BAG-800 Single-phase	1,000x400x775 mm	Ⓧ Ⓧ Ⓧ	66156-CF00000
FG-300x2 Fixed filtering kit · 230/400 VAC	BAG-800 Triphase	1,000x400x775 mm	Ⓧ Ⓧ Ⓧ	66158-CF00000
FG-300x2 Mobile filtering kit · 230 VAC	BAG-800 Single-phase	1,000x400x905 mm	Ⓧ Ⓧ Ⓧ	66157-CF00000
FG-300x2 Mobile filtering kit · 230/400 VAC	BAG-800 Triphase	1,000x400x905 mm	Ⓧ Ⓧ Ⓧ	66159-CF00000

# 18 / Fuel treatment System

## 300 · 300x2 · 450x2 Fuel treatment System

140 l/min

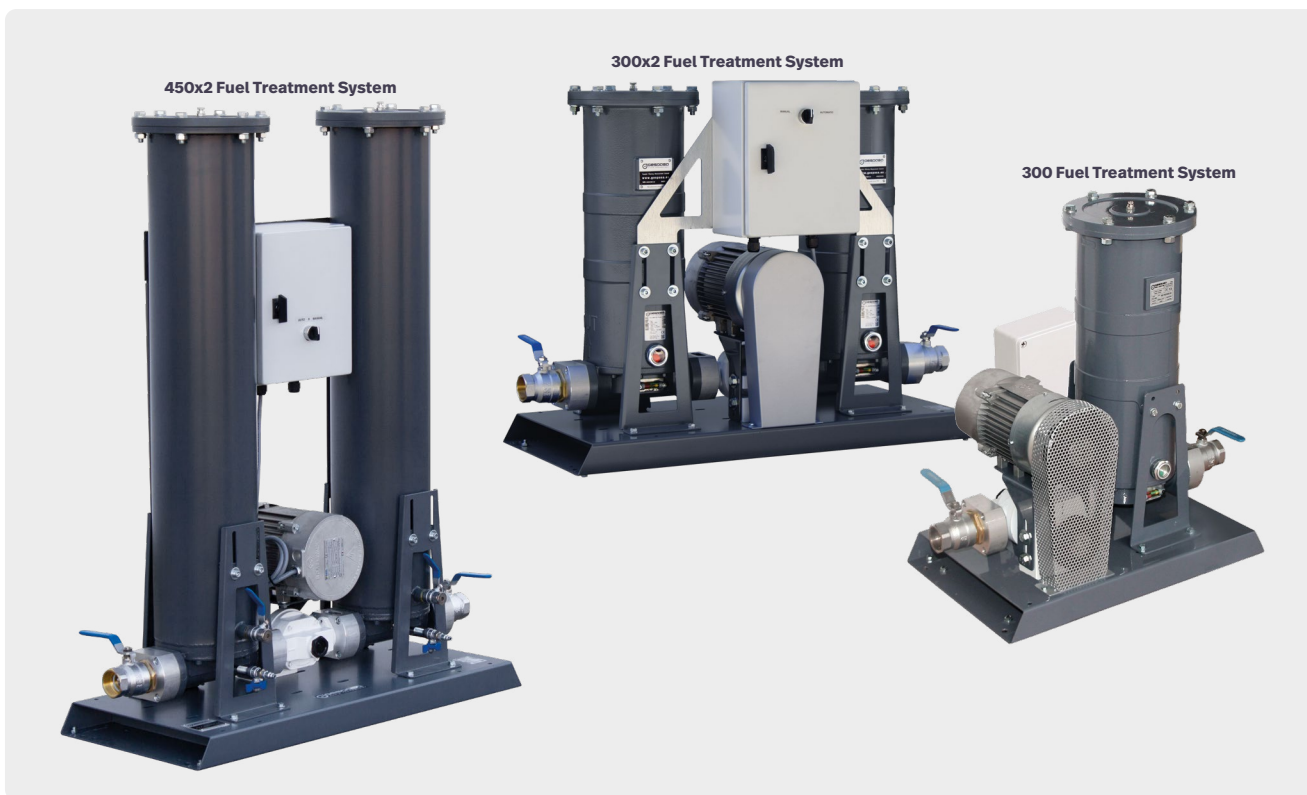
15 µm · 50+15 µm

Automatic fuel treatment system for tanks. Programmable ON/OFF to remove water and microparticles.

P. 49 → FG-300 ·  
FG-450

P. 50 → Cartridge  
spares

Ⓢ DIESEL



### TECHNICAL DATA

**Flow:** 140 l/min  
**Net weight (approx.):** 67.5-104.5 kg

### COMPONENTS

- › Self-suction blade pump
- › 1 or 2 FG-300 filters or 2 FG-450 filters
- › ON/OFF timer
- › IP-55 switchboard

	Pump	Cartridges	Dimensions (approx.)	Fluids	
300 Fuel Treatment System	BAG-800 230 VAC	Water absorbent · 15 µm	670x400x760 mm	Ⓢ Ⓢ	66442-CF00001
300x2 Fuel Treatment System	BAG-800 230 VAC	50 µm / 15 µm water absorbent	1,000x400x760 mm	Ⓢ Ⓢ	66440-CF00004
450x2 Fuel Treatment System	BAG-800 230 VAC	50 µm / 15 µm water absorbent	1,000x400x1,240mm	Ⓢ Ⓢ	66400-CF00004
450x2 Fuel Treatment System	BAG-800 230/400 VAC	50 µm / 15 µm water absorbent	1,000x400x1,240mm	Ⓢ Ⓢ	66400-CF00003

### Optional

EExd available models



# 19 / Transfer and filtering kits

P. 12 → AG-90 12/24 VDC

P. 35 → MGE-110

P. 47 → FG-100

## Truck Kit · 12/24 VDC

55 l/min

±0.5 % accuracy

⊕ DIESEL  
⊖ PETROL

Fuel supply kit assembled in a fixed chassis for the fuel supply, filtering and measurement. Suitable to supply from a van or truck.



### TECHNICAL DATA

<b>Free flow:</b>	55 l/min (with Ø1 ½" suction hose)
<b>Accuracy:</b>	±0.5 %
<b>Operation:</b>	S1
<b>Pressure:</b>	1.2 bar
<b>Motor speed:</b>	1,500 rpm
<b>Dimensions (approx.):</b>	500x680x850 mm
<b>Net weight (approx.):</b>	61 kg

### COMPONENTS

- › Hose-reel with 10 m Ø1" hose
- › PA-80 automatic nozzle and nozzle hanger
- › Self-suction pump
- › ON/OFF switch
- › Connection box for a battery connection cable
- › MGE-110 Electronic meter · Accuracy ±0.5 %
- › FG-100 · Transparent microfilter

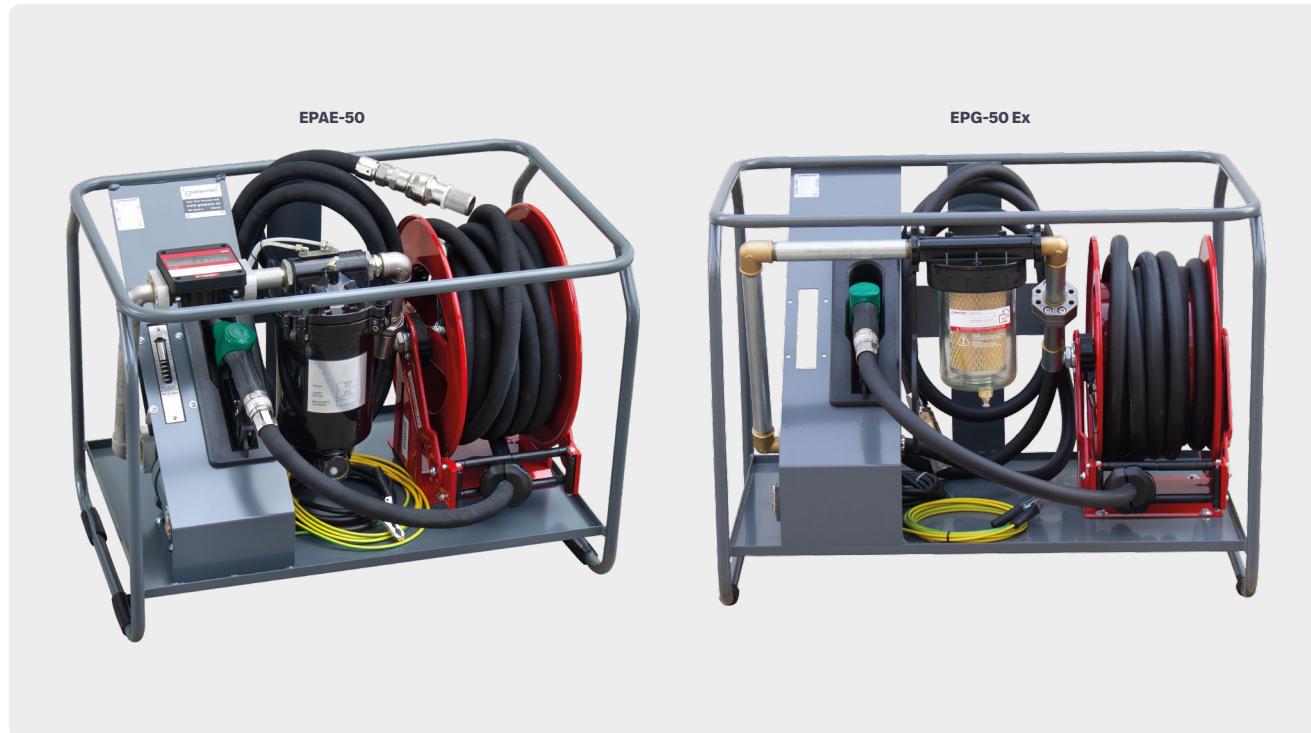
	Consumption	Pump	Fluids	
Truck Kit · AG-90 12 VDC	35-53 A	AG-90 12 VDC	⊕	15750-CF00000
Truck Kit · AG-90 24 VDC	25-32 A	AG-90 24 VDC	⊖	15750-CF00001

# Transfer and filtering portable kits · 12 VDC

44 l/min

1.9 bar

Compact, independent and smooth equipment specially designed for the micro-filtered and dry fuel supply.



## 19 / Transfer and filtering kits

P. 10 → Diesel self-suction pumps

P. 14 → Self-suction explosionproof pumps

P. 35 → MGE-110

P. 47 → FG-100

P. 88 → PA-120 · Automatic nozzle

P. 89 → PA-80 · Automatic nozzle

⊕ DIESEL  
⊕ PETROL

### TECHNICAL DATA

Flow:	44 l/min
Pressure:	1.9 bar
Dimensions (approx.):	650x520x620 mm
Net weight (approx.):	66 kg

### COMPONENTS

- › Self-suction pump (customisable under request)
- › Earth cable with clamp (Ex pumps)
- › Filter
- › Polyamide nozzle hanger
- › Automatic nozzle
- › 4 m Ø19 mm suction hose

	Pump	Meter	Filter	Hose-reel	Nozzle	Fluids	
EPA-50 Ex	IRON-50 Ex 12 VDC	-	Separator filter	-	For aviation petrol	⊕ ⊕	66220-CF00000
EPAE-50 Ex	IRON-50 Ex 12 VDC	-	Separator filter	up to 10 m	PA-80 for petrol	⊕ ⊕	66230-CF00000
EPAE-50	IRON-50 Ex 12 VDC	MGE-110 Viton	Separator filter	up to 10 m	PA-80 for petrol	⊕ ⊕	66230-CF00004
EPG-50 Ex	IRON-50 Ex 12 VDC	-	FG-100G	-	PA-80 for petrol	⊕ ⊕	66221-CF00000
EPGE-50 Ex	IRON-50 Ex 12 VDC	-	FG-100G	up to 10 m	PA-80 for petrol	⊕ ⊕	66231-CF00000
EPG-90	AG-90 12 VDC	-	FG-100	-	PA-120	⊕	66300-CF00000
EPGE-90	AG-90 12 VDC	-	FG-100	up to 10 m	PA-120	⊕	66301-CF00000

# 20 / Mechanical dispensers

P. 10 → Diesel self-suction pumps

P. 14 → Self-suction explosionproof pumps

P. 32 → Mechanical meters

P. 88 → Manual & automatic nozzles

- ⊕ DIESEL
- ⊕ PETROL

## COMPACT M

up to 85 l/min

12 VDC · 230 VAC

Supply mechanical kits with mechanical meter.  
With total and partial of the supplied volume.

### TECHNICAL DATA

Meter accuracy: ±1 %

### COMPONENTS

- › Made of steel with corrosion protection and weatherproof
- › Self-suction pump with self-adjusting blades
- › Automatic nozzle
- › 4 m delivery hose
- › MG-80 · 3-digit mechanical meter



	Flow up to	Pump	Meter	Nozzle	Dimensions (approx.)	Weight (approx.)	Fluids	
COMPACT 50M-12	45 l/min	IRON-50 12 VDC	MG-80	PA-60	380x345x360 mm	18 kg	⊕	28110-CF00000
COMPACT 50M-230	50 l/min	IRON-50 230 VAC	MG-80	PA-60	380x345x360 mm	21 kg	⊕	28040-CF00000
COMPACT 75M-230	70 l/min	IRON-75 230 VAC	MG-80	PA-80	380x345x360 mm	21 kg	⊕	28270-CF00000
COMPACT 90M-12	80 l/min	AG-90 12 VDC	MG-80	PA-80	383x435x360 mm	28.5 kg	⊕	28190-CF00000
COMPACT 100M-230	85 l/min	AG-100 230 VAC	MG-80	PA-120	383x435x360 mm	32 kg	⊕	28280-CF00000
COMPACT 50M-12 Ex	50 l/min	IRON-50 Ex 12 VDC	MG-80V	PA-80	383x435x360 mm	28.5 kg	⊕ ⊕	28140-CF00012
COMPACT 50M-230 Ex	50 l/min	IRON-50 Ex 230 VAC	MG-80V	PA-80	383x435x360 mm	28.5 kg	⊕ ⊕	28140-CF00011
COMPACT 800M-230 Ex	80 l/min	AG-800 Ex 230 VAC	MG-80V	PA-80	383x435x360 mm	32 kg	⊕ ⊕	28150-CF00002

## TOTEM M

up to 90 l/min

230 VAC

Supply mechanical kits with aluminium mechanical meter.  
With total and partial of the supplied volume.

### TECHNICAL DATA

Meter accuracy: ±1 %  
Dimensions (approx.): 460x400x1,500 mm  
Net weight (approx.): 50-57 kg

### COMPONENTS

- › Chassis in steel, stainless steel and aluminium with corrosion protection and weatherproof
- › Self-suction pump with self-adjusting blades
- › Automatic nozzle
- › 4 m delivery hose
- › MG-84A · 4-digit mechanical aluminium meter



	Flow up to	Pump	Nozzle	Fluids	
TOTEM 50M-230	50 l/min	IRON-50 230 VAC	PA-60	⊕	27150-CF00000
TOTEM 75M-230	70 l/min	IRON-75 230 VAC	PA-80	⊕	27260-CF00000
TOTEM 100M-230	90 l/min	AG-100 230 VAC	PA-120	⊕	27270-CF00000
TOTEM 50M-230 Ex	50 l/min	IRON-50 Ex 230 VAC	PA-80	⊕ ⊕	27170-CF00002
TOTEM 800M-230 Ex	70 l/min	AG-800 Ex 230 VAC	PA-80	⊕ ⊕	27180-CF00003

## STM

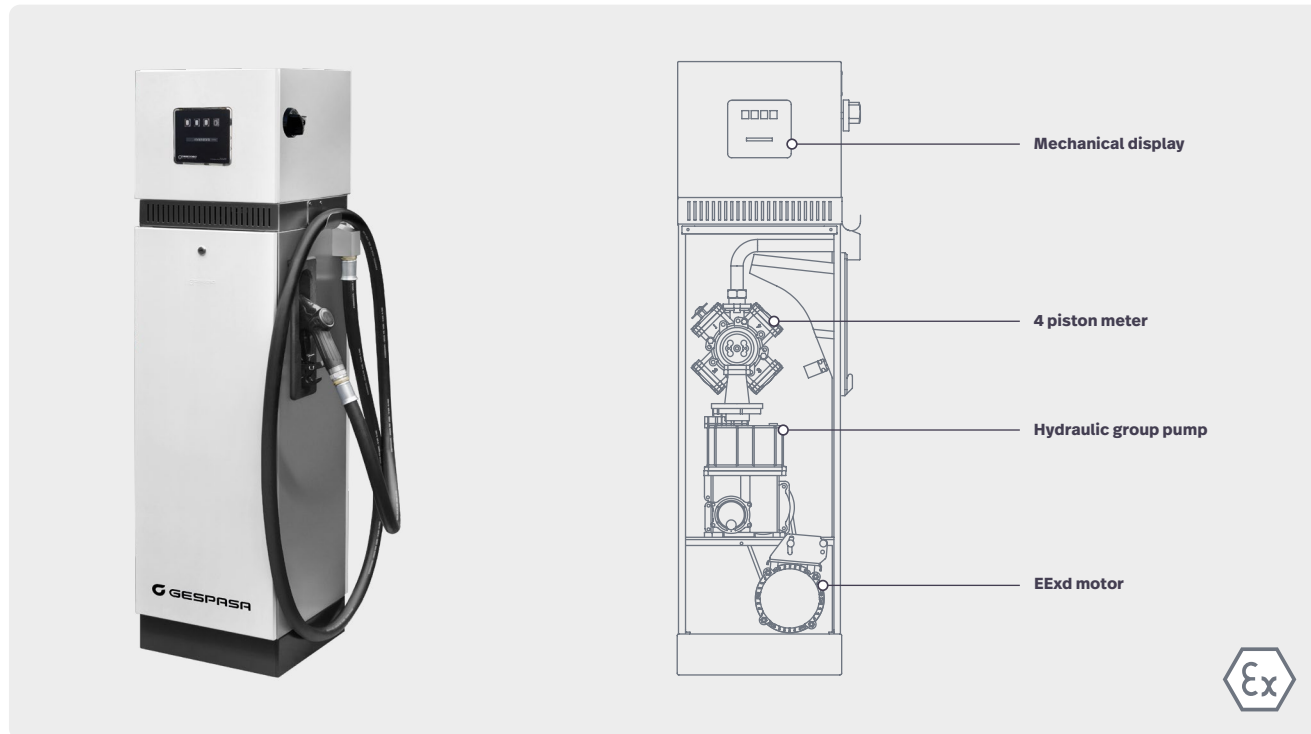
up to 110 l/min

230 · 230/400 VAC

20 /  
Mechanical  
dispensers

Mechanical industrial dispenser with aluminium mechanical meter.  
With total and partial of the supplied volume.

⊕ DIESEL  
⊕ PETROL



## TECHNICAL DATA

Meter accuracy:	±0.2 %
Display integers and decimals:	999.9
Totalizer:	7 digits
Dimensions (approx.):	460x400x1,500 mm
Net weight (approx.):	81.5 kg

## COMPONENTS

- › Chassis in steel, stainless steel and aluminium with treatment to maximise corrosion protection and weatherproof
- › High accuracy hydraulic group
- › Hydraulic group pump: self-suction, eccentric with self-adjusting blades with gas separator
- › Meter made of aluminium of 4 pistons with positive displacement
- › Hydraulic group motor: EExd Motor with ATEX certificate and IP-55 protection
- › 1 mechanical display
- › 4 m delivery hose
- › Automatic nozzle

	Flow up to	EExd Motor	Fluids	
STM-80 Single-phase	80 l/min	1 kW Single-phase 230 VAC	⊕ ⊕	42260-CF00100
STM-80 Triphase	80 l/min	1 kW Triphase 230/400 VAC	⊕ ⊕	42260-CF00000
STM-110 Triphase	110 l/min	1.5 kW Triphase 230/400 VAC	⊕ ⊕	42261-CF00000

# 21 / COMPACT dispensers

P. 10 → Diesel self-suction pumps

P. 37 → MGI-110

P. 47 → FG-100

P. 88 → Manual & automatic nozzles

P. 90 → Hoses & suction kits

P. 98 → Pedestal bases

**COMPACT supply kits are the most reduced version of our supply kits. Suitable for the diesel supply, measurement and control to own consumption vehicles.**

⊕ DIESEL

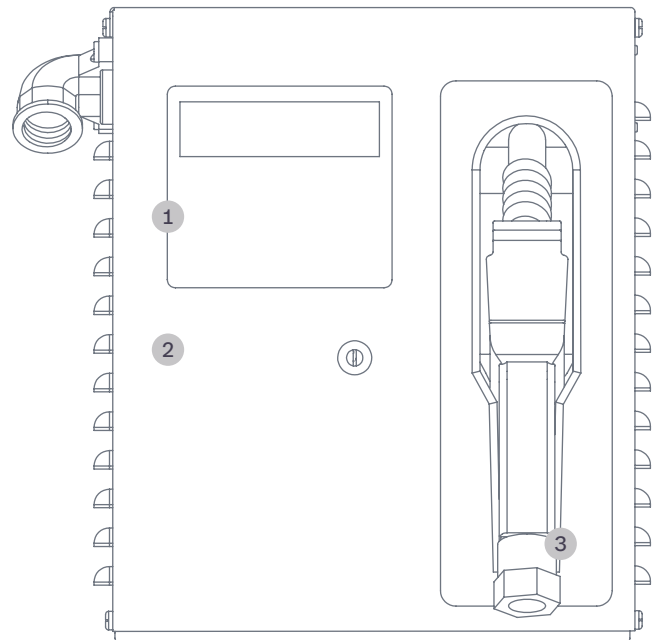
- 1 **1 electronic display**
  - › 4 options available: E, GE, GK-7 & GK-7Plus
- 2 **Chassis**
  - › Made of steel
  - › Treatment to maximise corrosion protection
  - › Weatherproof

**Pulser**

  - › MGI-110 Pulser · 90° Reeds
  - › MGI-110 Pulser · 90° Hall Effect

**Pump**

  - › Self-suction, eccentric with self-adjusting blades
- 3 **Nozzle & hose**
  - › Automatic nozzle
  - › 4 m delivery hose of double layer



#### Optional

① Hexagonal pedestal base · height 1 m	800400015
F1" aluminium flange kit	800003029
4 m Ø19 mm antistatic petrol hose with adapters in both ends	803406101
② FG-100BIO · Diesel microfilter of 25 µm	39023-CF00010

## COMPACT E

up to 85 l/min

12 VDC · 230 VAC

Display E

Electronic supply kits with digital display. Partial indicator of 5 digits and totaliser of 7 digits (scroll mode). To reset the display to zero, it is necessary to press the RESET button.

### TECHNICAL DATA

Pulsar accuracy:	±0.5 %
Dimensions (approx.):	405x460x405 mm
Net weight (approx.):	17.5-37.5 kg

### COMPONENTS

- › MGI-110 Pulsar · Reeds 90°
- › Display E with tropicalised electronics and button battery of long duration (approx. 4 years)
- › RESET & TOTAL buttons



21 /  
COMPACT  
dispensers

P. 40 → Display E

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

Ⓢ DIESEL

	Flow up to	Pump	Nozzle	Fluids	
COMPACT 50E-12	45 l/min	IRON-50 12 VDC	PA-60	Ⓢ	28240-CF00000
COMPACT 50E-230	50 l/min	IRON-50 230 VAC	PA-60	Ⓢ	28052-CF00000
COMPACT 75E-230	70 l/min	IRON-75 230 VAC	PA-80	Ⓢ	28290-CF00000
COMPACT 90E-12	80 l/min	AG-90 12 VDC	PA-80	Ⓢ	28250-CF00000
COMPACT 100E-230	85 l/min	AG-100 230 VAC	PA-120	Ⓢ	28300-CF00000

## COMPACT GE

up to 85 l/min

12 VDC · 230 VAC

Display GE

Electronic supply kits with digital display. 6-digit partial indicator and totaliser and volume preset. The display is automatically reset to zero when the nozzle is unhung.

### TECHNICAL DATA

Pulsar accuracy:	±0.5 %
Dimensions (approx.):	405x460x405 mm
Net weight (approx.):	20.5-37 kg

### COMPONENTS

- › MGI-110 Pulsar · 90° Hall Effect
- › GE display · 6-digit electronic console powered at 230 VAC
- › x1 & x10 buttons to preset the volume to be supplied
- › Signal amplifier output for connection to a display or an external controller



	Flow up to	Pump	Nozzle	Fluids	
COMPACT 50GE-230	50 l/min	IRON-50 230 VAC	PA-60	Ⓢ	28055-CF00000
COMPACT 75GE-230	70 l/min	IRON-75 230 VAC	PA-80	Ⓢ	28295-CF00000
COMPACT 100GE-230	85 l/min	AG-100 230 VAC	PA-120	Ⓢ	28301-CF00000

21 /  
COMPACT  
dispensers

COMPACT K

up to 85 l/min

12 VDC · 230 VAC

GKSuite

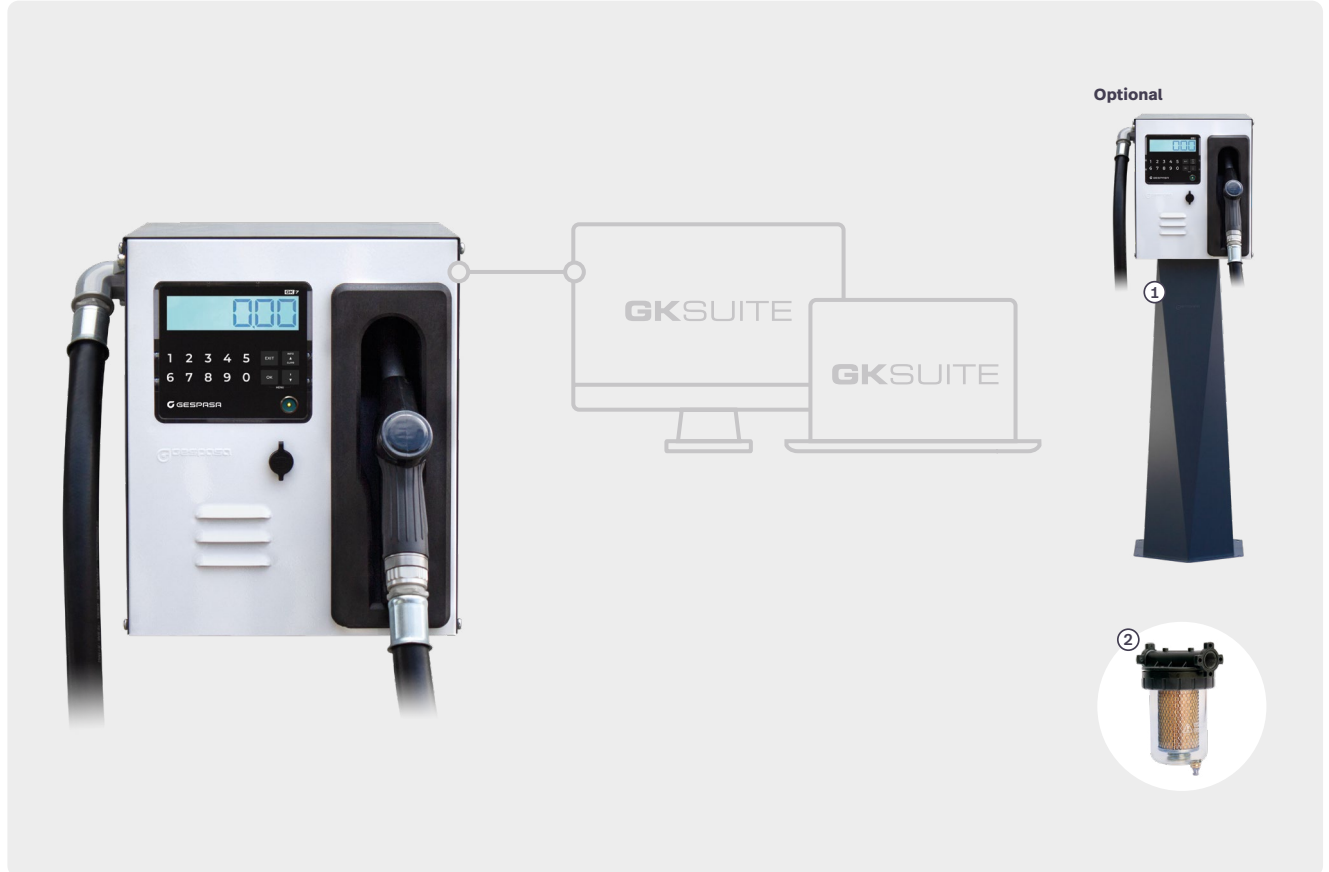
P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VAC

P. 163 → GK-7 &  
GK-7M

P. 171 → GKSuite  
Desktop Software

Electronic supply kits with embedded GK-7 own consumption controller that communicates with the GKSuite software installed in your PC.

Ⓢ DIESEL



TECHNICAL DATA

**Pulsar accuracy:** ±0.5 %  
**Dimensions (approx.):** 405x460x405 mm  
**Net weight (approx.):** 22.5-39.5 kg

COMPONENTS

- › MGI-110 Pulsar · 90° Hall Effect
- › Display GK-7
- › GK-7 controller of users and vehicles that communicates with the GKSuite software installed in a PC
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 60-user/vehicle memory included by default (other memories available)
- › Identification key reader iButton included by default (other identification systems available)

	Flow up to	Pump	Nozzle	Fluids	
COMPACT 50K-60 230	50 l/min	IRON-50 230 VAC	PA-60	Ⓢ	28540-CF00000
COMPACT 50K-60 12	45 l/min	IRON-50 12 VDC	PA-60	Ⓢ	28580-CF00000
COMPACT 75K-60 230	70 l/min	IRON-75 230 VAC	PA-80	Ⓢ	28640-CF00000
COMPACT 90K-60 12	80 l/min	AG-90 12 VDC	PA-80	Ⓢ	28590-CF00000
COMPACT 100K-60 230	85 l/min	AG-100 230 VAC	PA-120	Ⓢ	28650-CF00000

# COMPACT Plus

up to 85 l/min

12 VDC · 230 VAC

DieselPlus

Electronic supply kits with embedded GK-7Plus controller that communicates with the DieselPlus cloud software.

21 /  
COMPACT  
dispensers

P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VAC

P. 167 → GK-7Plus &  
GK-7PlusM

P. 173 → DieselPlus  
Cloud Software



Ⓢ DIESEL

## TECHNICAL DATA

Pulser accuracy:	±0.5 %
Dimensions (approx.):	405x460x415 mm
Net weight (approx.):	22.5-39.5 kg

## COMPONENTS

- › MGI-110 Pulser · 90° Hall Effect
- › Display GK-7Plus
- › GK-7Plus controller of users and vehicles that communicates with the DieselPlus cloud software
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 60-user/vehicle · 1,000 services memory included by default (other memories available)
- › Identification key reader iButton included by default (other identification systems available)

	Flow up to	Pump	Nozzle	Fluids	
COMPACT 50Plus-60 230	45 l/min	IRON-50 230 VAC	PA-60	Ⓢ	28541-CF00000
COMPACT 50Plus-60 12	50 l/min	IRON-50 12 VDC	PA-60	Ⓢ	28583-CF00000
COMPACT 75Plus-60 230	70 l/min	IRON-75 230 VAC	PA-80	Ⓢ	28641-CF00000
COMPACT 90Plus-60 12	80 l/min	AG-90 12 VDC	PA-80	Ⓢ	28592-CF00000
COMPACT 100Plus-60 230	85 l/min	AG-100 230 VAC	PA-120	Ⓢ	28651-CF00000

# 22 / TOTEM dispensers

P. 10 → Diesel self-suction pumps

P. 37 → MGI-110

P. 47 → FG-100

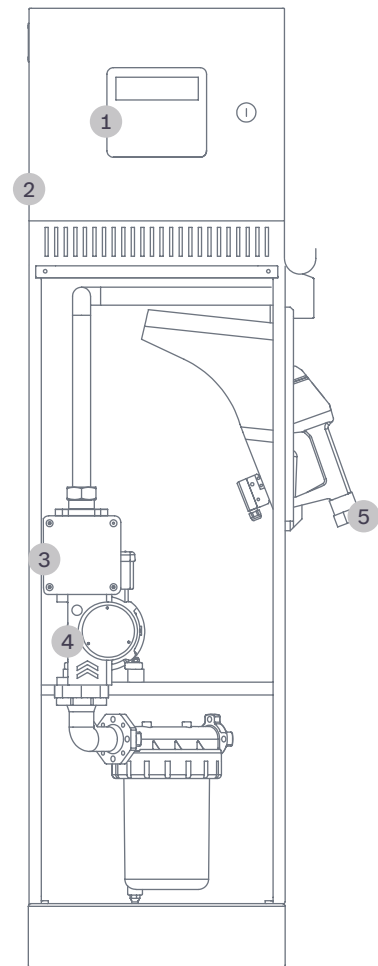
P. 88 → Manual & automatic nozzles

P. 90 → Hoses & suction kits

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

## Ⓞ DIESEL

- 1 **1 electronic display**
  - › 4 options available: E, GE, GK-7 & GK-7Plus
- 2 **Chassis**
  - › Chassis in steel, stainless steel and aluminium
  - › Treatment to maximise corrosion protection
  - › Weatherproof
- 3 **Pulser**
  - › MGI-110 Pulser · 90° Reeds
  - › MGI-110 Pulser · 90° Hall Effect
- 4 **Pump**
  - › Self-suction, eccentric with self-adjusting blades
- 5 **Nozzle & hose**
  - › Automatic nozzle
  - › 4 m delivery hose of double layer



### Optional

- ① FG-100 microfilter kit (TOTEM 50/75/100)
- ② Protection sunshield

272300100  
FE016001

# TOTEM E

up to 90 l/min

230 VAC

Display E

22 /  
TOTEM  
dispensers

P. 40 → Display E

Electronic supply kits with digital display. Partial indicator of 5 digits and totaliser of 7 digits (scroll mode). To reset the display to zero, it is necessary to press the RESET button.

Ⓞ DIESEL



Optional



#### TECHNICAL DATA

**Pulser accuracy:** ±0.5 %  
**Dimensions (approx.):** 460x400x1,500 mm  
**Net weight (approx.):** 50-57 kg

#### COMPONENTS

- › MGI-110 Pulser · Reeds 90°
- › Display E with tropicalised electronics and button battery of long duration (approx. 4 years)
- › RESET & TOTAL buttons

	Flow up to	Pump	Nozzle	Fluids	
TOTEM 50E-230	50 l/min	IRON-50 230 VAC	PA-60	Ⓞ	27191-CF00000
TOTEM 75E-230	70 l/min	IRON-75 230 VAC	PA-80	Ⓞ	27281-CF00000
TOTEM 100E-230	90 l/min	AG-100 230 VAC	PA-120	Ⓞ	27291-CF00000

22 /

TOTEM dispensers

# TOTEM GE

up to 90 l/min

230 VAC

Display GE

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

Electronic supply kits with digital display of 6-digit partial indicator and totaliser and volume preset. The display is automatically reset to zero when the nozzle is unhung.

Ⓢ DIESEL



#### TECHNICAL DATA

**Pulser accuracy:** ±0.5 %  
**Dimensions (approx.):** 460x400x1,500 mm  
**Net weight (approx.):** 50-57 kg

#### COMPONENTS

- › MGI-110 Pulser · 90° Hall Effect
- › GE display · 6-digit electronic console powered at 230 VAC
- › x1 & x10 buttons to preset the volume to be supplied
- › Signal amplifier output for connection to a display or an external controller

	Flow up to	Pump	Nozzle	Fluids	
TOTEM 50GE-230	50 l/min	IRON-50 230 VAC	PA-60	Ⓢ	27192-CF00000
TOTEM 75GE-230	70 l/min	IRON-75 230 VAC	PA-80	Ⓢ	27282-CF00000
TOTEM 100GE-230	90 l/min	AG-100 230 VAC	PA-120	Ⓢ	27293-CF00000

# TOTEM K

up to 90 l/min

230 VAC

GKSuite

Electronic supply kits with embedded GK-7 own consumption controller that communicates with the GKSuite software installed in your PC.

22 /  
TOTEM  
dispensers

P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VAC

P. 163 → GK-7 &  
GK-7M

P. 171 → GKSuite  
Desktop Software

Ⓞ DIESEL



Optional

①



②



#### TECHNICAL DATA

<b>Pulsar accuracy:</b>	±0.5 %
<b>Dimensions (approx.):</b>	460x400x1,500 mm
<b>Net weight (approx.):</b>	50-57 kg

#### COMPONENTS

- › MGI-110 Pulsar · 90° Hall Effect
- › Display GK-7
- › GK-7 controller of users and vehicles that communicates with the GKSuite software installed in a PC
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 60-user/vehicle memory included by default (other memories available)
- › Identification key reader iButton included by default (other identification systems available)

	Flow up to	Pump	Nozzle	Fluids	
TOTEM 50K-230-60u	50 l/min	IRON-50 230 VAC	PA-60	Ⓞ	27210-CF00000
TOTEM 75K-230-60u	70 l/min	IRON-75 230 VAC	PA-80	Ⓞ	27340-CF00000
TOTEM 100K-230-60u	90 l/min	AG-100 230 VAC	PA-120	Ⓞ	27350-CF00000

22 /

TOTEM  
dispensers

## TOTEM Plus

up to 90 l/min

230 VAC

DieselPlus

P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VACP. 167 → GK-7Plus &  
GK-7PlusMP. 173 → DieselPlus  
Cloud Software**Electronic supply kits with embedded GK-7Plus own consumption controller that communicates with the DieselPlus cloud software.**

Ⓞ DIESEL



## TECHNICAL DATA

<b>Pulsar accuracy:</b>	±0.5 %
<b>Dimensions (approx.):</b>	460x400x1,510 mm
<b>Net weight (approx.):</b>	50-57 kg

## COMPONENTS

- › MGI-110 Pulsar · 90° Hall Effect
- › Display GK-7Plus
- › GK-7Plus controller of users and vehicles that communicates with the DieselPlus cloud software
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 60-user/vehicle · 1,000 services memory included by default (other memories available).
- › Identification key reader iButton included by default (other identification systems available)

	Flow up to	Pump	Nozzle	Fluids	
TOTEM 50Plus-230-60u	50 l/min	IRON-50 230 VAC	PA-60	Ⓞ	27212-CF00000
TOTEM 75Plus-230-60u	70 l/min	IRON-75 230 VAC	PA-80	Ⓞ	27341-CF00000
TOTEM 100Plus-230-60u	90 l/min	AG-100 230 VAC	PA-120	Ⓞ	27351-CF00000

# 23 / Industrial dispensers

Electronic supply kits with ATEX components. They are composed of one or two high accuracy hydraulic groups. Three different models available: STE, SHK & SHPlus.

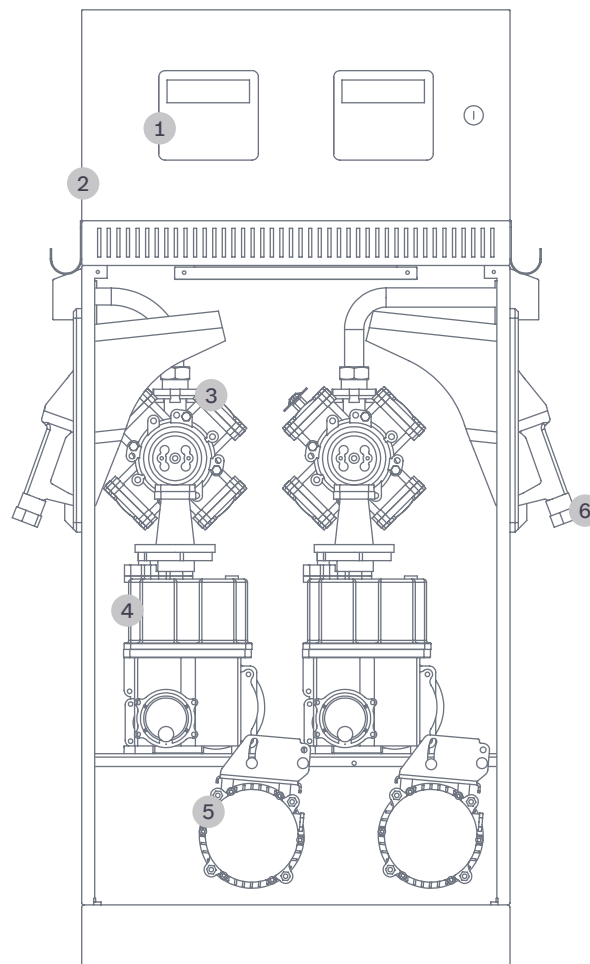
P. 48 → FG-150

P. 49 → FG-300 ·  
FG-450

P. 88 → Manual &  
automatic nozzles

P. 90 → Hoses &  
suction kits

- 1 1 or 2 electronic displays
  - › 3 options available: GE, GK-7 & GK-7Plus
- 2 Chassis
  - › Chassis in steel, stainless steel and aluminium
  - › Treatment to maximise corrosion protection
  - › Weatherproof
- 3 4 piston meter
  - › Made of aluminium of 4 pistons with positive displacement and pulser of 2 channels of 100 pulses per litre
- 4 Hydraulic group pump
  - › Self-suction, eccentric with self-adjusting blades and gas separator
- 5 EExd motor
  - › With ATEX certificate and IP-55 protection
- 6 Nozzle & hose
  - › Automatic nozzle
  - › 4 m delivery hose of double layer



Ⓓ DIESEL  
Ⓓ PETROL

#### Optional

Flexible suction tube with 2" flange	807610002
4 m Ø19 mm antistatic unleaded petrol hose with adapters in both ends	803406101
PA-80 · Automatic unleaded petrol nozzle	472500400
Gas recovery kit for petrol · Phase II	268300000
High anchorage base	268904021

23 /

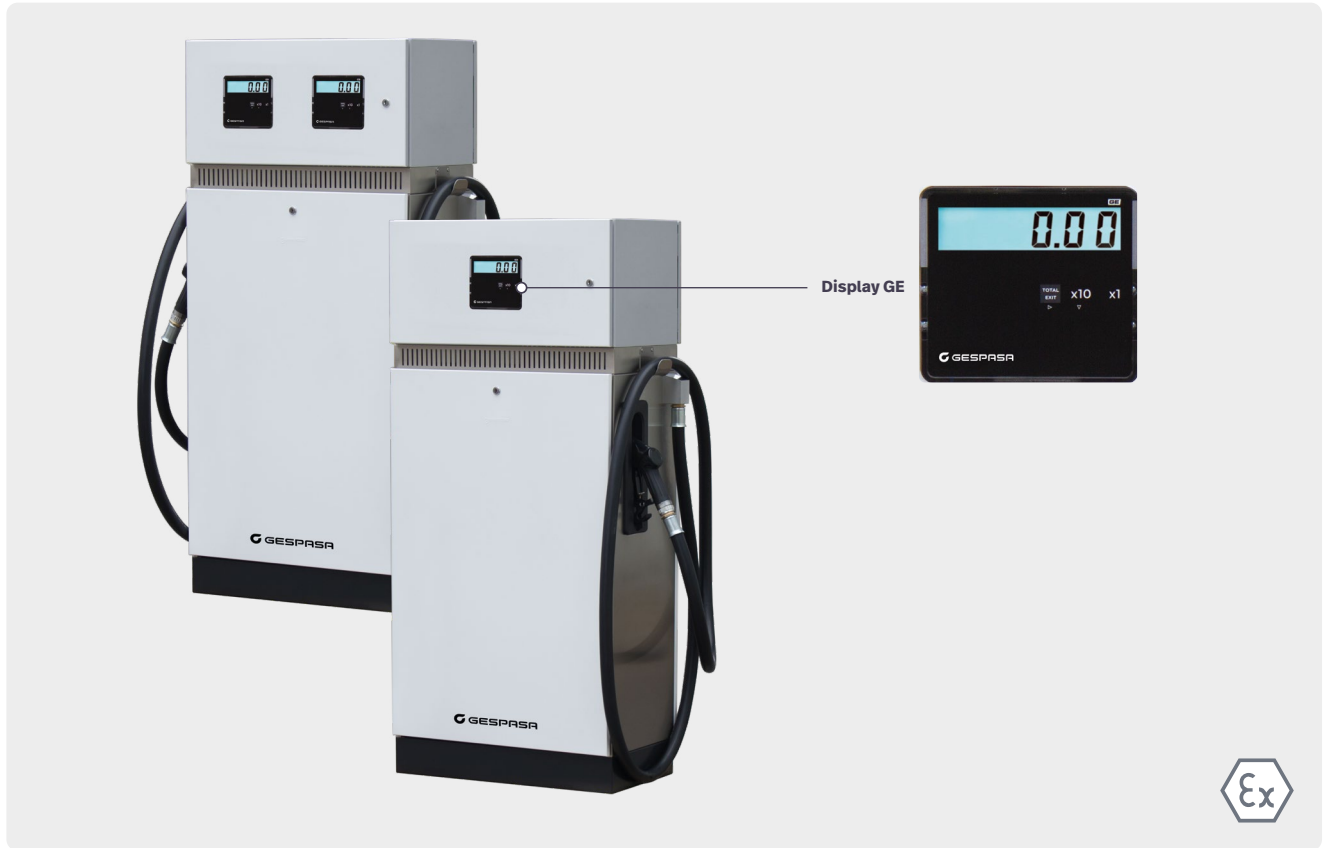
Industrial  
dispensersP. 41 → Display GE  
12/24 VDC ·  
110/230 VAC

## STE-GE · STE GED

up to 110 l/min

230 VAC · 230/400 VAC

Display GE

Simple or double supply kits with one or two digital displays of  
6-digit partial indicator and totaliser and volume preset.

## TECHNICAL DATA

Pulser accuracy:	±0.2 %
Dimensions (approx.):	800x400x1,500 mm
Net weight (approx.):	110 kg (1 hose) / 146 kg (2 hoses)

## COMPONENTS

- › One or two GE: 6-digit electronic console with luminous display and volume preset powered at 230 VAC
- › x1 & x10 buttons to preset the volume to be supplied
- › Signal amplifier output for connection to a display or an external controller

	Flow up to	EExd Motor	1 hose	2 hoses
STE-80GE Single-phase	80 l/min	1 kW 230 VAC	42000-CF00000	42010-CF00000
STE-80GE Triphase	80 l/min	1 kW 230/400 VAC	42001-CF00000	42011-CF00000
STE-110GE Triphase	110 l/min	1.5 kW 230/400 VAC	42002-CF00000	42012-CF00000

## SHK · SHK-D

23 /

Industrial  
dispensers

up to 110 l/min

230 VAC · 230/400 VAC

GKSuite

Simple or double supply kits with embedded GK-7 own consumption controller that communicates with the GKSuite software installed in your PC.

P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VAC

P. 163 → GK-7 &  
GK-7M

P. 171 → GKSuite  
Desktop Software



## TECHNICAL DATA

<b>Pulsar accuracy:</b>	±0.2 %
<b>Dimensions (approx.):</b>	800x400x1,500 mm
<b>Net weight (approx.):</b>	110 kg (1 hose) / 146 kg (2 hoses)

## COMPONENTS

- › GK-7 controller of users and vehicles that communicates with the GKSuite software installed in a PC
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 130 or 1,000-user/vehicle memory included by default
- › Identification key reader iButton included by default (other identification systems available)

	Flow up to	EExd Motor	1 hose	2 hoses
SHK-80-130u Single-phase	80 l/min	1 kW 230 VAC	42020-CF00000	42040-CF00000
SHK-80-1000u Single-phase	80 l/min	1 kW 230 VAC	42020-CF00001	42040-CF00001
SHK-80-130u Triphase	80 l/min	1 kW 230/400 VAC	42080-CF00000	42100-CF00000
SHK-80-1000u Triphase	80 l/min	1 kW 230/400 VAC	42080-CF00001	42100-CF00001
SHK-110-130u Triphase	110 l/min	1.5 kW 230/400 VAC	42120-CF00000	42140-CF00000
SHK-110-1000u Triphase	110 l/min	1.5 kW 230/400 VAC	42120-CF00001	42140-CF00001
SHK-80/110-130u Triphase	110 l/min	1.5 kW 230/400 VAC	-	42170-CF00000
SHK-80/110-1000u Triphase	110 l/min	1.5 kW 230/400 VAC	-	42170-CF00001

## Optional

Thermal ticket printer	FE006004
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# SH-Plus · SH-PlusD

up to 110 l/min

230 VAC · 230/400 VAC

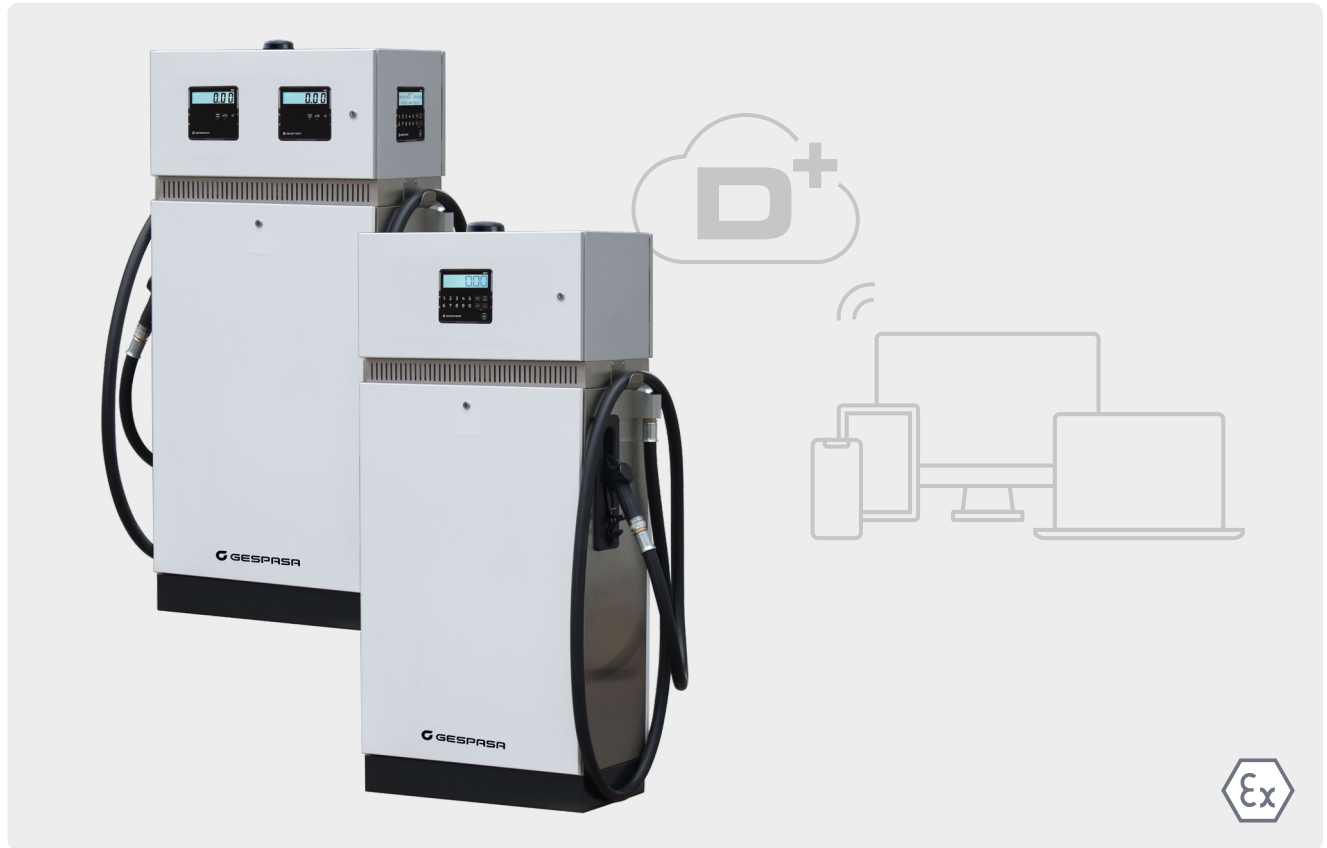
DieselPlus

P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VAC

P. 167 → GK-7Plus &  
GK-7PlusM

P. 173 → DieselPlus  
Cloud Software

Simple or double supply kits with embedded GK-7Plus own consumption controller that communicates with the cloud software DieselPlus.



**TECHNICAL DATA**

**Pulser accuracy:** ±0.2 %  
**Dimensions (approx.):** 800x400x1,500 mm  
**Net weight (approx.):** 110 kg (1 hose) / 146 kg (2 hoses)

**COMPONENTS**

- › GK-7Plus controller of users and vehicles that communicates with the DieselPlus cloud software
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 130-user/vehicle · 1,000 services memory included by default
- › Identification key reader iButton included by default (other identification systems available).

	Flow up to	EExd Motor	1 hose	2 hoses
SH-80Plus-130u Single-phase	80 l/min	1 kW 230 VAC	42030-CF00000	42050-CF00000
SH-80Plus-1000u Single-phase	80 l/min	1 kW 230 VAC	42030-CF00001	42050-CF00001
SH-80Plus-130u Triphase	80 l/min	1 kW 230/400 VAC	42090-CF00000	42110-CF00000
SH-80Plus-1000u Triphase	80 l/min	1 kW 230/400 VAC	42090-CF00001	42110-CF00001
SH-110Plus-130u Triphase	110 l/min	1.5 kW 230/400 VAC	42130-CF00000	42150-CF00000
SH-110Plus-1000u Triphase	110 l/min	1.5 kW 230/400 VAC	42130-CF00001	42150-CF00001
SH-80/110Plus-130u Triphase	110 l/min	1.5 kW 230/400 VAC	-	42180-CF00000
SH-80/110Plus-1000u Triphase	110 l/min	1.5 kW 230/400 VAC	-	42180-CF00001

**Optional**

Thermal ticket printer	FE006004
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# 24 / DUO dispensers

Supply kits suitable for fuel and AdBlue/DEF supply in a simultaneous way. They are composed of one high accuracy hydraulic group for fuel and one AdBlue/DEF dispenser.

P. 48 → FG-150

P. 49 → FG-300 ·  
FG-450

P. 88 → Manual &  
automatic nozzles

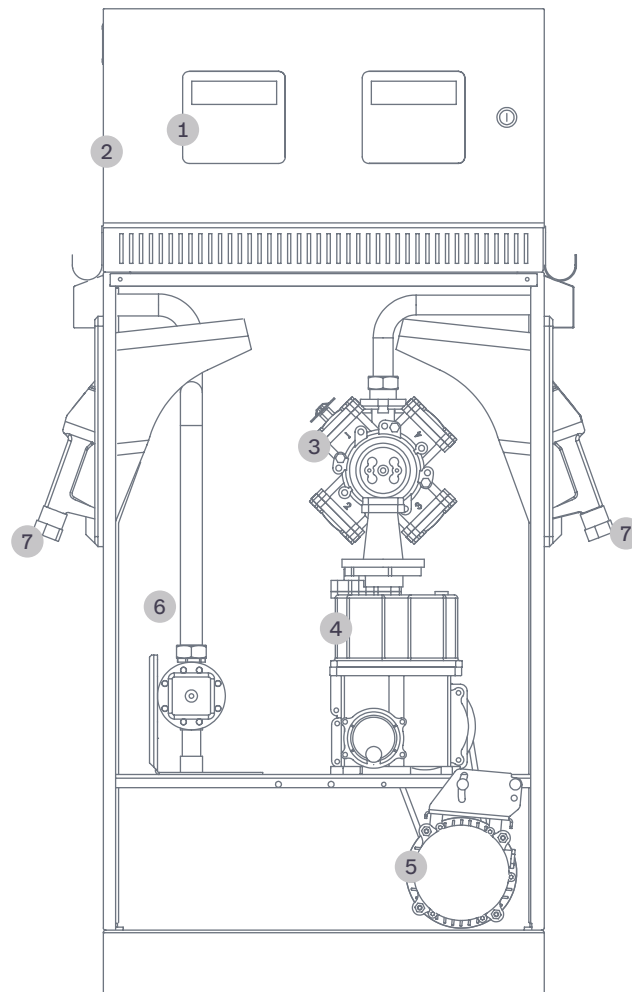
P. 113 → SP-80 230  
VAC

P. 117 → MGI-40Blue

P. 120 → FG-100Blue

P. 130 → PA-60U ·  
Automatic nozzle

- 1 **2 electronic displays**
  - › 3 options available: GE, GK-7 & GK-7Plus
- 2 **Chassis**
  - › Chassis in steel, stainless steel and aluminium
  - › Treatment to maximise corrosion protection
  - › Weatherproof
- 3 **4 piston meter**
  - › Made of aluminium of 4 pistons with positive displacement and pulser of 2 channels of 100 pulses per litre
- 4 **Fuel hydraulic group pump**
  - › Self-suction, eccentric with self-adjusting blades and gas separator
- 5 **Fuel EExd motor**
  - › With ATEX certificate and IP-55 protection
- 6 **AdBlue/DEF dispenser**
  - › MGI-40Blue pulser
- 7 **Nozzles & hoses**
  - › Automatic fuel nozzle + 4 m delivery hose
  - › Automatic AdBlue/DEF nozzle + 4 m delivery hose



Ⓢ DIESEL

Ⓢ ADBLUE / DEF

#### Optional

Flexible suction tube with 2" flange	807610002
FG-150 · 5 µm · water-repellent filtering paper Microfilter	66050-CF00000
FG-300/15 · Water absorbent microfilter with aluminium housing · F2" · 15 µm	66194-CF00019
FG-100Blue filter kit	FE027010
Submersible AdBlue/DEF Pump · 230 V	02194-CF00000

24 /

DUO dispensers

## STE DUO GE

80 · 110 l/min

230 · 230/400 VAC

Display GE

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

Supply kits with digital display of 6-digit partial indicator and totaliser and volume preset.

- Ⓧ DIESEL
- Ⓧ ADBLUE / DEF



## TECHNICAL DATA

Fuel pulser accuracy:	±0.2 %
AdBlue/DEF pulser accuracy:	±0.8 %
Dimensions (approx.):	800x400x1,500 mm
Net weight (approx.):	146 kg

## COMPONENTS

- › Two GE: 6-digit electronic console with luminous display and volume preset powered at 230 VAC
- › x1 & x10 buttons to preset the volume to be supplied
- › Signal amplifier output for connection to a display or an external controller

	Flow	EExd Motor	Fluids	
STE-80GE DUO/SB-45U Single-phase	80 l/min	1 kW 230 VAC	Ⓧ Ⓧ	42222-CF00000
STE-80GE DUO/SB-45U Triphase	80 l/min	1 kW 230/400 VAC	Ⓧ Ⓧ	42220-CF00000
STE-110GE DUO/SB-45U Triphase	110 l/min	1.5 kW 230/400 VAC	Ⓧ Ⓧ	42230-CF00000

## SHK DUO

80 · 110 l/min

230 · 230/400 VAC

GKSuite

Supply kits with embedded GK-7 controller that communicates with the GKSuite software installed in your PC.

24 /  
DUO dispensers

P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VAC

P. 163 → GK-7 &  
GK-7M

P. 171 → GKSuite  
Desktop Software

Ⓞ DIESEL

Ⓞ ADBLUE / DEF



## TECHNICAL DATA

Fuel pulser accuracy:	±0.2 %
AdBlue/DEF pulser accuracy:	±0.8 %
Dimensions (approx.):	800x400x1,500 mm
Net weight (approx.):	146 kg

## COMPONENTS

- › GK-7 controller of users and vehicles that communicates with the GKSuite software installed in a PC
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 130 or 1,000-user/vehicle memory included by default
- › Identification key reader iButton included by default (other identification systems available)

	Flow	EExd Motor	User/Vehicle	Fluids	
SHK-80 DUO-130U + GE/SB-45U Single-phase	80 l/min	1 kW 230 VAC	130	Ⓞ Ⓞ	42061-CF00000
SHK-80 DUO-130U + GE/SB-45U Triphase	80 l/min	1 kW 230/400 VAC	130	Ⓞ Ⓞ	42060-CF00000
SHK-80 DUO-1000U + GE/SB-45U Triphase	80 l/min	1.5 kW 230/400 VAC	1,000	Ⓞ Ⓞ	42060-CF00001
SHK-80 DUO-1000U + GE/SB-45U Single-phase	80 l/min	1 kW 230 VAC	1,000	Ⓞ Ⓞ	42061-CF00001
SHK-110 DUO-130U + GE/SB-45U Triphase	110 l/min	1.5 kW 230/400 VAC	130	Ⓞ Ⓞ	42200-CF00000
SHK-110 DUO-1000U + GE/SB-45U Triphase	110 l/min	1.5 kW 230/400 VAC	1,000	Ⓞ Ⓞ	42200-CF00001

24 /  
DUO dispensers

SHPlus DUO

80 · 110 l/min      230 · 230/400 VAC      DieselPlus

P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VAC

P. 167 → GK-7Plus &  
GK-7PlusM

P. 173 → DieselPlus  
Cloud Software

Supply kits with embedded GK-7Plus controller that communicates with the DieselPlus cloud software.

- Ⓢ DIESEL
- Ⓢ ADBLUE / DEF



TECHNICAL DATA

Fuel pulser accuracy:	±0.2 %
AdBlue/DEF pulser accuracy:	±0.8 %
Dimensions (approx.):	800x400x1,500 mm
Net weight (approx.):	146 kg

COMPONENTS

- › GK-7Plus controller of users and vehicles that communicates with the DieselPlus cloud software
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 130 or 1,000-user/vehicle memory included by default
- › Identification key reader iButton included by default (other identification systems available)

	Flow	EExd Motor	User/Vehicle	Fluids	
SH-80PLUS DUO-130U + GE/SB-45U Single-phase	80 l/min	1 kW 230 VAC	130	Ⓢ Ⓢ	42071-CF00000
SH-80PLUS DUO-130U + GE/SB-45U Triphase	80 l/min	1 kW 230/400 VAC	130	Ⓢ Ⓢ	42070-CF00000
SH-80PLUS DUO-1000U + GE/SB-45U Triphase	80 l/min	1.5 kW 230/400 VAC	1,000	Ⓢ Ⓢ	42070-CF00001
SH-80PLUS DUO-1000U + GE/SB-45U Single-phase	80 l/min	1 kW 230 VAC	1,000	Ⓢ Ⓢ	42071-CF00001
SH-110PLUS DUO-130U + GE/SB-45U Triphase	110 l/min	1.5 kW 230/400 VAC	130	Ⓢ Ⓢ	42210-CF00000
SH-110PLUS DUO-1000U + GE/SB-45U Triphase	110 l/min	1.5 kW 230/400 VAC	1,000	Ⓢ Ⓢ	42210-CF00001

# 25 / MonsterJet dispensers

High flow supply kits with ATEX components and two high accuracy hydraulic groups in parallel. The high flow supply reduces the waiting time in the supply, allowing you to save time and size the installation with fewer jets.

P. 48 → FG-150

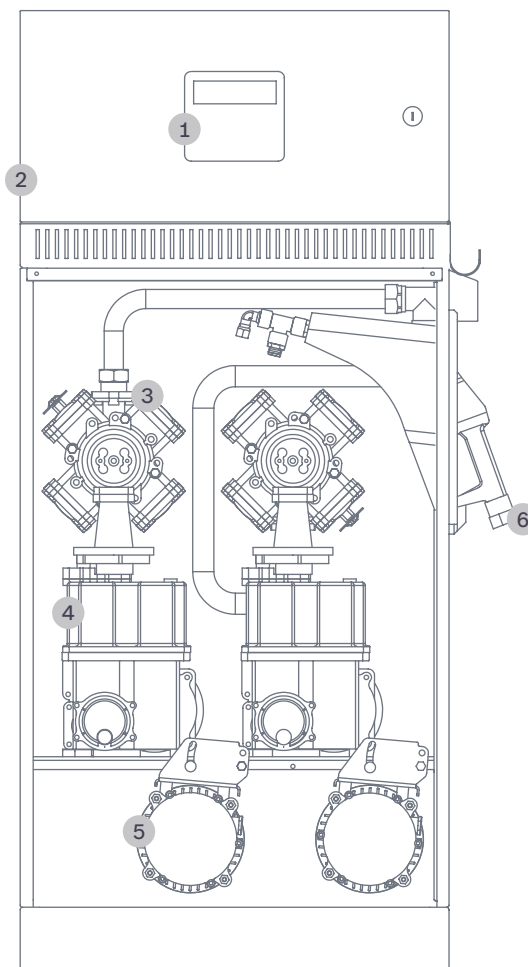
P. 49 → FG-300 ·  
FG-450

P. 89 → PA-250 ·  
Automatic nozzle

P. 90 → Hoses &  
suction kits

Ⓢ DIESEL  
Ⓢ PETROL

- 1 **1 electronic display**
  - › 3 options available: GE, GK-7 & GK-7Plus
- 2 **Chassis**
  - › Chassis in steel, stainless steel and aluminium
  - › Treatment to maximise corrosion protection
  - › Weatherproof
- 3 **4 piston meter**
  - › Made of aluminium of 4 pistons with positive displacement and pulser of 2 channels of 100 pulses per litre
- 4 **Hydraulic group pump**
  - › Self-suction, eccentric with self-adjusting blades and gas separator
- 5 **EExd motor**
  - › With ATEX certificate and IP-55 protection
- 6 **Nozzle & hose**
  - › Automatic nozzle
  - › 4 m of Ø1" or 1 ½" delivery hose (depending on model)



#### Optional

Flexible suction tube with 2" flange	807610002
FG-300/15 · Water absorbent microfilter with aluminium housing · F2" · 15 µm	66194-CF00019
Gas recovery kit for petrol · Phase II	268300000
High anchorage base	268904021

25 /

MonsterJet  
dispensersP. 41 → Display GE  
12/24 VDC ·  
110/230 VACⓈ DIESEL  
Ⓢ PETROL

## STE MonsterJet

up to 200 l/min

230/400 VAC

Display GE

High flow supply kits with one digital display of 6-digit partial indicator and totaliser and volume preset.



## TECHNICAL DATA

Pulser accuracy:	±0.2 %
Dimensions (approx.):	800x400x1,500 mm
Net weight (approx.):	160 kg

## COMPONENTS

- › GE display · 6-digit electronic console powered at 230 VAC
- › x1 & x10 buttons to preset the volume to be supplied
- › Signal amplifier output for connection to a display or an external controller

	Flow up to	EExd Motor	Fluids	
STE-140GEMJ Triphase	140 l/min	1 kW 230/400 VAC	Ⓢ Ⓢ	42190-CF00000
STE-160GEMJ Triphase	160 l/min	1 kW 230/400 VAC	Ⓢ Ⓢ	42250-CF00000
STE-200GEMJ Triphase	200 l/min	1.5 kW 230/400 VAC	Ⓢ Ⓢ	42160-CF00000

# SHK MonsterJet

25 /  
MonsterJet  
dispensers

P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VAC

P. 163 → GK-7 &  
GK-7M

P. 171 → GKSuite  
Desktop Software

⊕ DIESEL  
⊕ PETROL

up to 200 l/min      230/400 VAC      GKSuite

High flow supply kits with embedded GK-7 own consumption controller that communicates with the GKSuite software installed in your PC.



#### TECHNICAL DATA

Pulser accuracy:	±0.2 %
Dimensions (approx.):	800x400x1,500 mm
Net weight (approx.):	160 kg

#### COMPONENTS

- › GK-7 controller of users and vehicles that communicates with the GKSuite software installed in a PC
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 130-user/vehicle · 1,000 services memory included by default
- › Identification key reader iButton included by default (other identification systems available)

	Flow up to	EExd Motor	Fluids	
SHK-140MJ-130u Triphase	140 l/min	1 kW 230/400 VAC	⊕ ⊕	42191-CF00000
SHK-160MJ-130u Triphase	160 l/min	1 kW 230/400 VAC	⊕ ⊕	42251-CF00000
SHK-200MJ-130u Triphase	200 l/min	1.5 kW 230/400 VAC	⊕ ⊕	42161-CF00000

#### Optional

Thermal ticket printer	FE006002
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25 /

MonsterJet  
dispensersP. 41 → Display GK-7  
12/24 VDC ·  
110/230 VACP. 167 → GK-7Plus &  
GK-7PlusMP. 173 → DieselPlus  
Cloud Software

Ⓛ DIESEL  
Ⓛ PETROL

## SH-Plus MonsterJet

up to 200 l/min

230/400 VAC

DieselPlus

High flow supply kits with embedded GK-7Plus own consumption controller  
that communicates with the DieselPlus cloud software



## TECHNICAL DATA

Pulser accuracy:	±0.2 %
Dimensions (approx.):	800x400x1,500 mm
Net weight (approx.):	160 kg

## COMPONENTS

- › GK-7Plus controller of users and vehicles that communicates with the DieselPlus cloud software
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 130-user/vehicle memory included by default (other memories available)
- › Identification key reader iButton included by default (other identification systems available)

	Flow up to	EExd Motor	Fluids	
SH-140PlusMJ-130u Triphase	140 l/min	1 kW 230/400 VAC	Ⓛ Ⓛ	42192-CF00000
SH-160PlusMJ-130u Triphase	160 l/min	1 kW 230/400 VAC	Ⓛ Ⓛ	42252-CF00000
SH-200PlusMJ-130u Triphase	200 l/min	1.5 kW 230/400 VAC	Ⓛ Ⓛ	42162-CF00000

## Optional

Thermal ticket printer	FE006002
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# 26 / High flow dispensers

## STM High flow

up to 500 l/min

±0.2 % accuracy

Mechanical high flow dispensers kit specially designed for heavy-duty use.

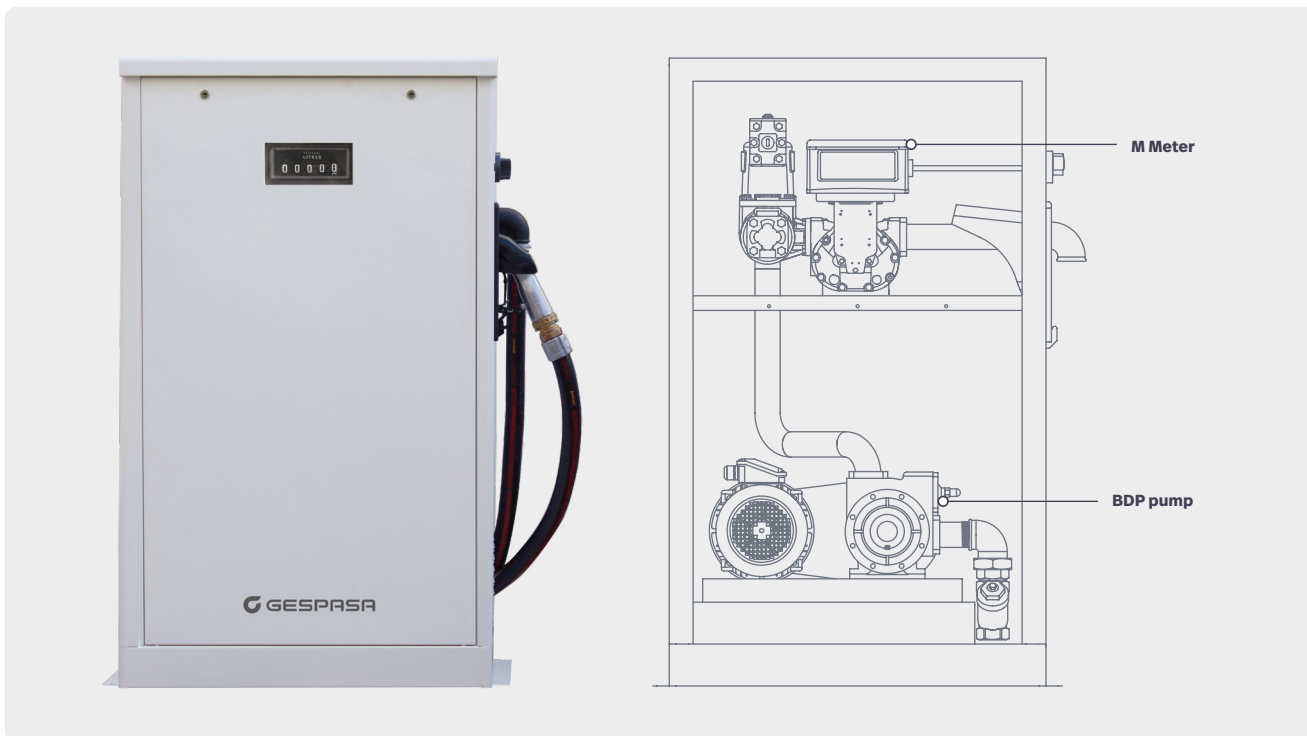
P. 26 → High flow pumps

P. 42 → High flow meters

P. 88 → Manual & automatic nozzles

P. 90 → Hoses & suction kits

⊕ DIESEL  
⊕ PETROL



### TECHNICAL DATA

<b>Pulser accuracy:</b>	±0.2 %
<b>Dimensions (approx.):</b>	900x620x1,500 mm
<b>Net weight (approx.):</b>	205-260 kg

### COMPONENTS

- › Chassis made of steel with treatment to maximise corrosion protection and weatherproof
- › Volumetric mechanical M Meter
- › BDP · High flow pump
- › Built-in anchorage base
- › 4 m delivery hose
- › Automatic or manual nozzle (depending on the model)

	Flow up to	Pump	Meter	Nozzle	Fluids	
STM-200	200 l/min	BDP-200 2.2 kW	M-40	PA-250 automatic	⊕	26823-CF00002
STM-300	300 l/min	BDP-300 2.2 kW	M-50	PE-010 manual	⊕	26827-CF00000
STM-500	500 l/min	BDP-500 4 kW	M-50	ZV500 manual	⊕	26828-CF00000

### Optional

EExd available models



26 /

High flow dispensers

SGE & STE High flow

up to 500 l/min

±0.2 % or ±0.5 % accuracy

P. 26 → High flow pumps

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

P. 42 → High flow meters

P. 88 → Manual & automatic nozzles

P. 90 → Hoses & suction kits

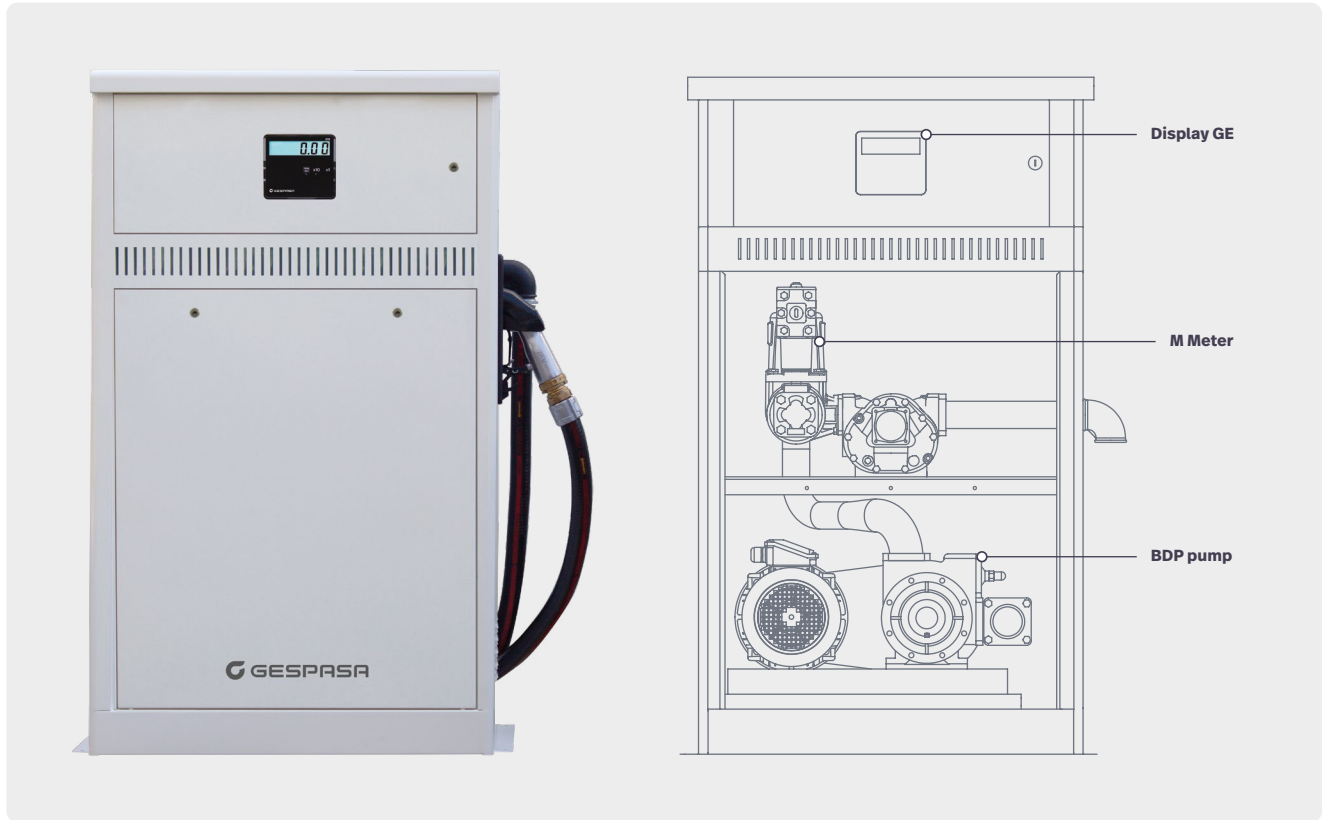
P. 167 → GK-7Plus & GK-7PlusM

P. 173 → DieselPlus Cloud Software

Ⓢ DIESEL

Ⓢ PETROL

High flow electronic kit specially designed for a heavy duty use. With one digital display of 6-digit partial indicator and totaliser and volume preset.



TECHNICAL DATA

Dimensions (approx.): 900x620x1,500 mm  
 Net weight (approx.): 180-240 kg

COMPONENTS

- › Chassis made of steel with treatment to maximise corrosion protection and weatherproof
- › Pulsor or volumetric mechanical M meter (depending on the model)
- › BDP · High flow pump
- › Built-in anchorage base
- › GE display · 6-digit electronic tropicalised console powered at 230 VAC
- › 4 m delivery hose
- › Automatic or manual nozzle (depending on the model)

	Flow up to	Pump	Accuracy	Meter	Nozzle	Hose	Fluids	
SGE-200GE IP-55	200 l/min	BDP-200	±0.5%	MGI-250	PA-250 automatic	Ø1 ½"	Ⓢ	26822-CF00000
SGE-300GE IP-55	300 l/min	BDP-300	±0.5%	MGI-400	PE-010 manual	Ø1 ½"	Ⓢ	26820-CF00000
STE-200GE IP-55	200 l/min	BDP-200	±0.2%	M-40	PA-250 automatic	Ø1 ½"	Ⓢ	26825-CF00000
STE-300GE IP-55	300 l/min	BDP-300	±0.2%	M-50	PE-010 manual	Ø1 ½"	Ⓢ	26821-CF00000
STE-500GE IP-55	500 l/min	BDP-500	±0.2%	M-50	ZV500 manual	Ø2"	Ⓢ	26826-CF00000

Optional

GK-7Plus own consumption controller that communicates with the DieselPlus cloud software

EExd available models



# SM · High flow supply kits

up to 1,200 l/min

±0.5 % accuracy

High flow mechanical bedplate supply kit. Specially designed for a heavy duty use.



## 26 /

### High flow dispensers

P. 40 → Electronic displays

P. 51 → Single-stage filters

P. 54 → Two and three-stage filters

P. 88 → Manual & automatic nozzles

P. 90 → Hoses & suction kits

P. 93 → High flow series

P. 167 → GK-7Plus & GK-7PlusM

P. 173 → DieselPlus Cloud Software

Ⓢ DIESEL

Ⓢ PETROL

#### COMPONENTS

- › Volumetric mechanical M meter
- › BDP · High flow pump
- › MK connector, automatic or manual nozzle (depending on the model)
- › Bedplate

	Flow up to	Pump	Meter	Nozzle / Connector	Hose	Hose-reel	Fluids	
SM-200E Ex	200 l/min	BDP-200	M-40	PA-250 automatic	20 m Ø1 ½"	Yes	Ⓢ Ⓢ	26870-CF00003
SM-200	200 l/min	BDP-200	M-40	PA-250 automatic	20 m Ø1 ½"	No	Ⓢ Ⓢ	26870-CF00001
SM-300E · Diesel motor	300 l/min	BDP-300	M-50	PE-010 manual	20 m Ø2"	Yes	Ⓢ	26876-CF00000
SM-500E IP-55	500 l/min	BDP-500	M-50	MK-50 2"	15 m Ø2"	Yes	Ⓢ	26886-CF00000
SM-500 Ex	500 l/min	BDP-500	M-50	MK-50 2"	No	No	Ⓢ Ⓢ	26881-CF00000
SM-1000 IP-55	1,000 l/min	BDP-1000	M-80	MK-80 3"	No	No	Ⓢ	26882-CF00000
SM-1200 IP-55	1,200 l/min	BDP-1200	M-100	MK-100 4"	No	No	Ⓢ	26883-CF00000

#### Optional

- ① GE · Electronic display
  - ② GK-7Plus own consumption controller that communicates with the DieselPlus cloud software
  - ③ One or two-stage filter
  - ④ Earth wire hose-reel
- EExd available models Ⓢ

# 27 / Manual & automatic nozzles

Ⓢ DIESEL

## PT-60 · Manual nozzle

Manual nozzle made of polyamide and 15 % fibreglass with NBR joint.

	Flow	Connection	Pressure	
PT-60	60 l/min	F $\frac{3}{4}$ "	2 bar	470100000

## PSF-040 · Manual nozzle

Manual nozzle made of aluminium with curved end and trigger fixation.

	Flow	Connection	Pressure	
PSF-040	80 l/min	F1"	3 bar	390300000

## PE-010 · Manual nozzle

Manual nozzle made of aluminium with trigger fixation.

	Flow	Connection	Pressure	
PE-010	300 l/min	F1 $\frac{1}{2}$ "	3 bar	470600100

## PA-60 · Automatic nozzle

Automatic nozzle with aluminium body and plastic cover.  
Trigger fixation and automatic cut.

	Flow	Connection	Pressure	
PA-60	60 l/min	F $\frac{3}{4}$ "	4 bar	472000000G

## PA-120 · Automatic nozzle

Automatic nozzle with aluminium body and plastic cover.  
Trigger fixation and automatic cut.

	Flow	Connection	Pressure	
PA-120	120 l/min	F1"	4 bar	472200000G



## PA-80 · Automatic nozzle

Automatic nozzle with aluminium body and plastic cover. Trigger fixation and automatic cut and built-in rotary swivel.

	Flow	Connection	Pressure	
PA-80 for diesel	80 l/min	F1"	4 bar	472100000G
PA-80 for unleaded petrol	80 l/min	F $\frac{3}{4}$ "	4 bar	472500100
PA-80 for unleaded petrol	80 l/min	F1"	4 bar	472500400

## PA-140 · Automatic nozzle

Automatic nozzle with trigger fixation and rotary swivel.

	Flow	Connection	Pressure	
PA-140	140 l/min	F1"	4 bar	472300000G

## PA-250 · Automatic nozzle

Automatic nozzle with trigger fixation and rotary swivel.

	Flow	Connection	Pressure	
PA-250	200 l/min	M1 $\frac{1}{2}$ "	4 bar	472400000

## PA-280 · Automatic nozzle

High flow automatic nozzle with trigger fixation.

	Flow	Connection	Ø exterior	
PA-280	280 l/min	F1 $\frac{1}{2}$ "	35 mm	475200000

### Optional

Rotary swivel MF $\frac{3}{4}$ "	804503007
Rotary swivel MF1"	804503001
Rotary swivel M $\frac{3}{4}$ " F1"	804503002



27 /  
Manual &  
automatic  
nozzles

Ⓢ DIESEL  
Ⓢ PETROL

# 28 / Hoses & suction kits

⊖ DIESEL  
⊕ PETROL

## Antistatic double layer hoses

	∅	Fluids	
Diesel hose	19 mm	⊖	803401105
Diesel hose	25 mm	⊖	803401001
Diesel hose	30 mm	⊖	803403003
Unleaded petrol hose EN1360	16 mm	⊖ ⊕	803403005
Petrol hose EN1360	19 mm	⊖ ⊕	803401011
Petrol hose EN1360	25 mm	⊖ ⊕	803401007
Diesel/Petrol hose	40 mm	⊖ ⊕	803401010

### Optional

To put adapters in both ends	670001007
∅16 mm M $\frac{3}{4}$ " reconnectable adapter	472102012
∅16 mm M1" reconnectable adapter	472102013
∅19 mm M $\frac{3}{4}$ " reconnectable adapter	472102014
∅19 mm M1" reconnectable adapter	472102015
∅25 mm M1" reconnectable adapter	472102016

## Springwel hoses

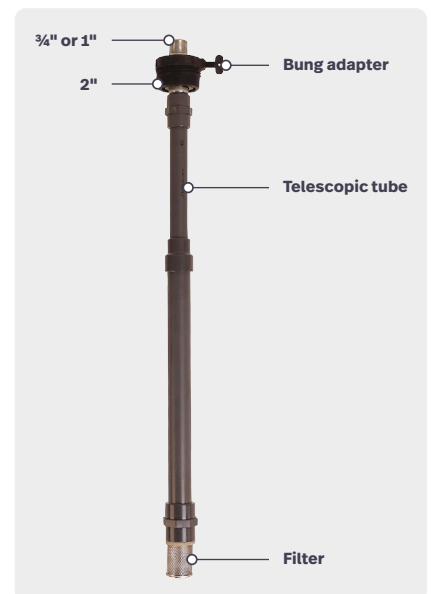
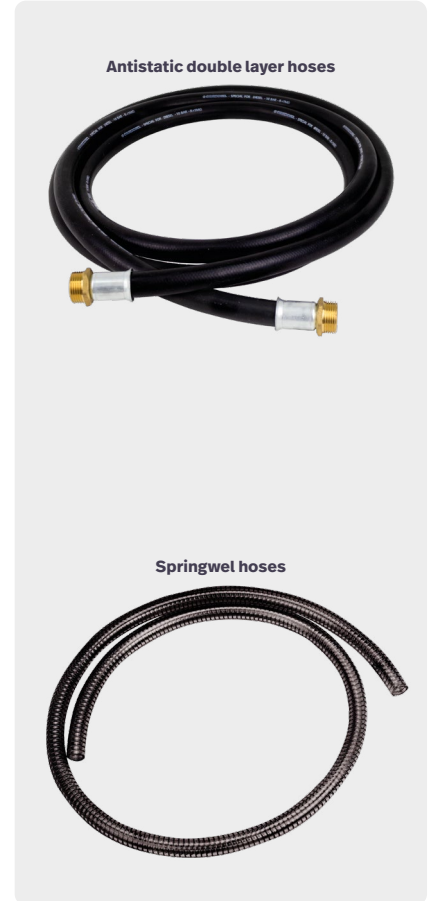
	∅	Fluids	
Black hose	25 mm	⊖	803400010
Black hose	30 mm	⊖	803400011
Black hose	40 mm	⊖	803400012

## Telescopic tube kits

### COMPONENTS

- › PP telescopic tube
- › Bung adapter 2" BSP
- › Filter

	Height	
M $\frac{3}{4}$ " kit	0.98 m	356600000
M $\frac{3}{4}$ " kit	1.30 m	357300000
M $\frac{3}{4}$ " kit	1.90 m	358000000
M1" kit	0.98 m	356300000
M1" kit	1.30 m	357400000
M1" kit	1.90 m	357900000
M1" kit with valve	0.98 m	358500000
M1" kit with valve	1.90 m	358400000



## Metallic tube suction kits

### COMPONENTS

- › 3 m suction hose
- › Bung adapter 2" BSP
- › Check valve
- › Filter

	height	filter	
Suction kit	1.35 m	1"	355600000
Suction kit	1.65 m	1"	355500000
Suction kit	1.90 m	1"	355700000
Suction kit	1.65 m	1 1/4"	355200000
Suction kit	1.90 m	1 1/4"	355300000
Suction kit + ball valve	1.35 m	1"	355600200
Suction kit + ball valve + anti-siphon valve	1.65 m	1"	355500200
Suction kit + ball valve + anti-siphon valve	1.90 m	1"	355700200
Suction kit + ball valve + anti-siphon valve	1.65 m	1 1/4"	355200200
Suction kit + ball valve + anti-siphon valve	1.90 m	1 1/4"	355300200



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Hoses &amp; suction kits

- ⊕ DIESEL
- ⊕ PETROL

## Gravity tank kit

### COMPONENTS

- › 5 m Ø25 mm delivery hose
- › PSF-040 manual nozzle
- › MF1" ball valve
- › FUP-1 FF1" filter



Gravity tank kit

35620000

# 29 / Hose-reels

P. 90 → Hoses &  
suction kits

Ⓢ DIESEL

## EGC Series

Automatic hose-reels made of painted steel for the diesel transfer.  
With and without hose.

### TECHNICAL DATA

Dimensions (approx.):	200x610x600 mm
Net weight (approx.):	32 kg
Max. hose-reel pressure:	40 bar

### COMPONENTS

- › 10 or 15 m antistatic double layer hose or without hose
- › Rollers in the hose delivery for a correct auto-location
- › The delivery arm can be mounted in different positions

	Hose	Ø	Hose pressure	
EGC-10	10 m	3/4"	10 bar	807303022
EGC-10	10 m	1"	10 bar	807303023
EGC-15	15 m	3/4"	10 bar	807303021
EGC-SM	without hose	1"	-	807303020



## 5 Series without hose

Automatic hose-reels made of painted steel with galvanised or stainless steel parts. Without hose.

### COMPONENTS

- › Output window with PVC rollers

	Hose length	Ø	Pressure	
5.10.20	10 m	3/4"	30 bar	807303008
5.15.20	15 m	3/4"	30 bar	807303009
5.20.20	20 m	3/4"	50 bar	807303028
5.20.20 INOX	20 m	3/4"	50 bar	807303029



## 6 Series without hose

Automatic hose-reels made of painted steel sheet.  
Without hose.

	Hose length	Ø	Pressure	
6.20.20	20 m	3/4"	40 bar	807303012
6.40.20	40 m	3/4"	40 bar	807303014
6.20.25	20 m	1"	40 bar	807303015
6.30.25	30 m	1"	40 bar	807303016
6.50.25	50 m	1"	40 bar	807303018



## 9 Series without hose

Automatic hose-reels made of painted steel with galvanised or stainless steel parts. Without hose.

### TECHNICAL DATA

Hose Ø:	3/4"
Hose length:	20 m
Pressure:	45 bar

### COMPONENTS

- › Variable output window
- › Output window with PVC rollers



29 /  
Hose-reels

P. 90 → Hoses &  
suction kits

Ⓢ DIESEL

9.20.20	807303006
9.20.20 INOX	807303007

## High flow series

High flow hose-reels with hose specially designed for a heavy duty use. Customised configuration according to your needs.

### TECHNICAL DATA

Hose Ø:	1-4" (customised configuration)
Hose length:	10-40 m (customised configuration)

### CONFIGURATIONS AVAILABLE

- › Manual or retractable version
- › VAC or VDC electric motor
- › Hydraulic motor with or without clutch
- › Hose-reel made of painted steel or stainless steel



	Hose	Ø	
Manual hose-reel 20 m	20 m	1 1/2"	807300112
Manual hose-reel 30 m	30 m	1 1/2"	807300115
Manual hose-reel 40 m	40 m	1 1/2"	807300107
Manual hose-reel 15 m	15 m	2"	807300114

# 30 / Mobile tanks

P. 11 → IRON-50  
12/24 VDC

P. 35 → MGE-110

P. 88 → PSF-040 ·  
Manual nozzle

P. 88 → PA-60 ·  
Automatic nozzle

P. 90 → Hoses &  
suction kits

 DIESEL  
 PETROL

## Mobiltank · GRG steel tanks

350 · 460 · 960 L

Carbon steel

Autonomous fuel transport units for the fuel transport and to be installed in vans, pickup, trucks... Maximum protection against corrosion.



### TECHNICAL DATA

**Material:** Carbon steel  
**In accordance with:** ADR regulations for the road traffic

### COMPONENTS

- › Shock-proof and anti-roll protective steel frame
- › 2" safety and emergency vent valve
- › Ball valve installed on the suction point
- › Prefilter on the suction point
- › 2" loading hole
- › F2" free connection
- › 1/2" lower drain valve
- › 3-kg fire extinguisher and support not installed
- › Lifting lugs for balanced lifting from the top

	Capacity	Dimensions (approx.)	Weight (approx.)	
Mobiltank 350	350 L	1,200x792x1,025 mm	121 kg	353300200
Mobiltank 460	460 L	1,511x792x1,025 mm	148 kg	353400100
Mobiltank 960	960 L	1,750x930x1,280 mm	225 kg	353500200

## Mobiltank supply kits

	Pump	Meter	Nozzle	Hose	
IRON-50 12 V + PSF-040 · GRG KIT	IRON-50 12 VDC	No	PSF-040 · Manual	4 m Ø3/4"	11800-CF00000
IRON-50 12 V + PA-60 · GRG KIT	IRON-50 12 VDC	No	PA-60 · Automatic	4 m Ø3/4"	11800-CF00001
SE-50 12 V + PSF-040 · GRG KIT	IRON-50 12 VDC	MGE-110	PSF-040 · Manual	4 m Ø3/4"	11810-CF00000
SE-50 12 V + PA-60 · GRG KIT	IRON-50 12 VDC	MGE-110	PA-60 · Automatic	4 m Ø3/4"	11810-CF00001

## Polytank · GRG polythene tanks

200 · 410 L

Polythene

Autonomous fuel transport units for the fuel transport and to be installed in vans, pickup, trucks... Maximum protection against corrosion.



# 30 /

Mobile tanks

P. 11 → IRON-50  
12/24 VDC

P. 35 → MGE-110

P. 88 → PSF-040 ·  
Manual nozzle

P. 88 → PA-60 ·  
Automatic nozzle

P. 90 → Hoses &  
suction kits

 DIESEL

### TECHNICAL DATA

**Material:** Resistant UV polythene of average density  
**In accordance with:** ADR regulations for the road traffic

### COMPONENTS

- › Lid with safety lock
- › 2 side holes to lift it when empty
- › Level indicator
- › Suction tube with filter
- › Vent valve / Air drain valve with design that allows to avoid the fuel spillage during the transport
- › Shutoff valve
- › 4 modular guides to pile up the tanks

	Capacity	Dimensions (approx.)	Weight (approx.)	
Polytank 200	200 L	1,160x760x500 mm	33.5 kg	384200600
Polytank 410	410 L	1,160x760x790 mm	50 kg	384200500

## Polytank supply kits

	Pump	Meter	Nozzle	Hose	
GRG POLYTANK IRON-50 12 V KIT + PSF-040	IRON-50 12 VDC	No	PSF-040 · Manual	4 m Ø <sup>3</sup> / <sub>4</sub> "	11822-CF00000
GRG POLYTANK IRON-50 12 V KIT + PA-60	IRON-50 12 VDC	No	PA-60 · Automatic	4 m Ø <sup>3</sup> / <sub>4</sub> "	11822-CF00001
GRG POLYTANK SE-50 12 V KIT + PSF-040	IRON-50 12 VDC	MGE-110	PSF-040 · Manual	4 m Ø <sup>3</sup> / <sub>4</sub> "	11832-CF00000
GRG POLYTANK SE-50 12 V KIT + PA-60	IRON-50 12 VDC	MGE-110	PA-60 · Automatic	4 m Ø <sup>3</sup> / <sub>4</sub> "	11832-CF00001

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## Mobile tanks

P. 94 → Mobiltank ·  
GRG steel tanksP. 95 → Polytank ·  
GRG polythene tanks

## Basic Trailers

Basic trailers for GRG tanks that can be towed with any type of vehicle. No need of registration or MOD periodic vehicle revisions up to 750 kg.

## TECHNICAL DATA

**Material:** Galvanised  
**In accordance with:** European approval

## COMPONENTS

- › Brake
- › Lateral protection railing
- › Jockey move wheel
- › The models with 1 shaft include a spare wheel



	Capacity	Loading Dim. (approx.)	Dimensions (approx.)	Weight (approx.)	
1-Shaft Basic · GRG 350	350 L	1,800x1,100x250 mm	2,855x1,600x660 mm	750 kg	352900000
1-Shaft Basic · GRG 460	460 L	1,800x1,100x250 mm	2,855x1,600x660 mm	750 kg	352900100
1-Shaft Basic · GRG 960	960 L	2,100x1,320x250 mm	3,150x1,750x660 mm	1,500 kg	354300000
2-Shaft Basic · GRG 960	960 L	2,100x1,320x250 mm	3,460x1,780x660 mm	1,600 kg	354300100

## FUEL BOX Trailers

Cased trailers with top trap door for 960-L GRG tanks

## TECHNICAL DATA

**Material:** Galvanised  
**In accordance with:** European approval

## COMPONENTS

- › Brake
- › Top lift-up trap door with hydraulic cylinders and safety locking system
- › Independent charging space for oils, greasers, tools, accessories, etc.
- › Jockey move wheel
- › The models with 1 shaft include a spare wheel



	Capacity	Loading Dim. (approx.)	Dimensions (approx.)	Weight (approx.)	
1-Shaft FUEL BOX · GRG 960	960 L	2,100x1,320x1,400 mm	3,150x1,750x1,600 mm	1,500 kg	353100200
2-Shaft FUEL BOX · GRG 960	960 L	2,100x1,320x1,400 mm	3,460x1,780x1,600 mm	1,600 kg	353100300

# 31 / Accessories

## Adapters & ferrules

PP M $\frac{3}{4}$ "x25 mm Plastic Adapter	804501002
PP M1"x25 mm Plastic Adapter	804501001
M $\frac{3}{4}$ "x19 mm Brass adapter	804500012
M $\frac{3}{4}$ "x21 mm Brass adapter	804500021
M1"x25 mm Brass adapter	804500001
28x41.5 mm Ferrule	801200011
37x51 mm Ferrule	801200012



## Long union plastic flange kit

Special plastic flange made of PA+fibreglass in order to adapt the mechanical meters to the pumps and/or pipes.

M1" Complete long union flange kit	800003027
Optional	
STAINLESS filter-sieve · 350 $\mu$ m $\varnothing$ 33 mm	460000003



## Aluminium flange kit

Aluminium flange for the quick coupling of the pump and/or pipe to any type of installation.

### COMPONENTS

- › Flange
- › DIN.912 ALLEN screws
- › Joint

F1" BSP Aluminium flange kit	800003022
F1" NPT Aluminium flange kit	800003062
F1" NPT Aluminium flange kit with O-ring housing	800003069



## Aluminium 90° elbow kit

Aluminium elbow flange for the quick coupling of the pump and/or pipe to any type of installation.

### COMPONENTS

- › Flange
- › Screws
- › Joint

90° Elbow kit	800003041
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## Nozzle hangers

Nozzle hangers made of PA+fibreglass adaptable to different models of automatic nozzles. Available with micro-switch to make the automatic stop of the pump when the nozzle is hung.

PA Nozzle hanger	280403001
PA Nozzle hanger + Micro-Switch	280403101
PA Nozzle hanger + EExe Micro-Switch	280403201



## Pedestal bases

1 m hexagonal pedestal base made of sheet for the own consumption controllers and the supply kits.

Pedestal base for GK-7	800400013
Pedestal base for COMPACT	800400015



## Wall support

Zinc-plated sheet support easy to install and to fix on a wall. Its nozzle hanger allows you to hang the nozzle securely.

### TECHNICAL DATA

<b>Material:</b>	Zinc-plated sheet
<b>Dimensions (approx.):</b>	290x47x410 mm
<b>Weight (approx.):</b>	2.3 kg

### COMPONENTS

- › "Easy lock" nozzle hanger
- › Nozzle lock through padlock (padlock not included)

Galvanised universal wall support	800404086
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## 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

<b>Material:</b>	Zinc-plated sheet
<b>Dimensions (approx.):</b>	330x90x280 mm
<b>Weight (approx.):</b>	2 kg

### COMPONENTS

- › Nozzle hanger
- › Rubber protection
- › Drip pan

Universal support	800404259
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## Polythene tank platform

Sheet platform to install the pumping kits on the tanks.  
Treatment to maximise corrosion protection.

Polythene tank platform	800400002
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31 /  
Accessories

## Bases for the supply kits

Bases to put the pumping kits and to fix on the wall or on any surface.  
Treatment to maximise corrosion protection.

### TECHNICAL DATA

**Material:** Steel sheet  
**Weight (approx.):** 6 kg

### COMPONENTS

- › Nozzle hanger
- › Rubber protection

	Dimensions (approx.)	
Base no. 3	320x260x527 mm	800400001
Base no. 4	392x300x325 mm	800400011



## Cabinets for external use

Cabinets to put and protect the pumping kits.  
Treatment to maximise corrosion protection.

### TECHNICAL DATA

**Material:** 1.5 mm steel sheet

### COMPONENTS

- › Opening under the door to pass the hose
- › Key locking
- › Models available with nozzle hanger and pump support with anti-vibration system (AS-5P)

	Dimensions (approx.)	
AS-2	470x265x500 mm	510000000
AS-3	445x270x400 mm	520000000
AS-5B	620x300x580 mm	550000000L
AS-5P nozzle hanger	620x330x585 mm	550700000
AS-5P nozzle hanger + micro-switch	620x330x585 mm	550800000



## «Breakaway» fireproof valves

Designed to be installed in fuel supply hoses and they will be disconnected when there was a strong pull. They automatically stop the flow of fuel. Designed to be replaced after separation.

**COMPONENTS**

- › Alumium body
- › Viton main seals
- › Stainless steel main spring
- › POM guide and poppet
- › PVC protective sleeve



	Flow	Connection	
802 «Breakaway» valve	0-60 l/min	BSP 3/4"xBSP 3/4"	805604016
804 «Breakaway» valve	0-120 l/min	BSP 1"xBSP 1"	805604015

## «Breakaway» reconnection fireproof valves

Designed to be installed in fuel supply hoses and they will be disconnected when there was a strong pull. They automatically stop the flow of fuel.

**COMPONENTS**

- › Zinc die-cast body
- › Viton main seals
- › Stainless steel main spring
- › POM guide and poppet
- › PA66 protective sleeve



	Flow	Connection	
«Breakaway» reconnection valve	0-60 l/min	BSP 3/4"	805604019
PA-80 «Breakaway» swivelling valve	-	F1"	805604026

## «Breakaway» fireproof valve for supply kits with submersible pumps

Mandatory for the installation of fuel supply kits equipped with a submersible pump. Installed at the base of the supply kit so that in the event of accidental start-up, fuel spillage is avoided. They automatically stop the flow of fuel.

**COMPONENTS**

- › Cast iron body
- › Buna-N joints



	Flow	Pressure	Connection	
«Breakaway» valve for supply kits	0-120 l/min	2 bar	FF1 1/2"	805603010

## Fire shut-off plugs

Plug for threaded installation in the vent pipe of a tank. It has a fire protection grid to prevent the spread of fire.

	Connection	
Brass fire shut-off plug	F1 1/4"	801900002
Brass fire shut-off plug	F1 1/2"	801900001
T brass fire shut-off plug	F2"	801900004

## Angle check valves

Valves to be installed in the suction tube, in the top of the underground storage tanks.

	Connection	Weight	
Angle check valve	M2" or F1 1/2" IN · F1 1/2" OUT	1.6 kg	805603011
Angle check valve	FF2"	3.89 kg	805605002

## Adjustable anti-siphon valves

Valves with adjustable security system for tanks with different diameters in order to avoid the liquid pouring by gravity in the event of breaks or leakages in the installation. It acts like a check valve that guarantees the suction tube is not unprimed.

	Connection	
Adjustable anti-siphon valve	F1"	805604010
Adjustable anti-siphon valve	F1 1/4"	805604011
Adjustable anti-siphon valve	F1 1/2"	805604028
Adjustable anti-siphon valve	F2"	805604013

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Accessories



## 2" Overfill valve

Valve to prevent fuel spillage due to overfilling of the air tanks. It is installed in the refuelling hose. This valve shuts off the liquid flow when the product level is close to its full capacity, causing a few hose strokes and a reduction in flow, which means that the supply has to be cut off. The lower valve diameter is for the 2" discharge pipes.

**COMPONENTS**

- › Special key for an easy installation

	Connection	
2" Overfill valve	M2"	801904014



## 4" Overfill valve

2-stage shut-off valve to prevent overfilling of above ground and underground tanks with a capacity of more than 3,000 litres. They close automatically when the product level reaches 92% of capacity. The lower valve diameter is designed for 4" discharge pipes.

4" Overfill valve	801904013
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## Charging holes

	Connection	
Charging hole MB+VK	F2"	800600001
Charging hole MB+VK	F3"	800600002
Charging hole plug MB+VK	M3"	800602001



## Manhole containers

This tank box allows the installation of pumps, valves and other equipment required to connect the tank to the supply kit.

**TECHNICAL DATA**

**Material:** polyethylene  
**Ø Manhole:** 820 mm

**COMPONENTS**

- › Two pieces: base and neck, joined with a ring, assuring its total sealing

	Dimensions (approx.)	Weight	
Manhole container	Ø1,165x1,225 mm	55 kg	808313003
Plus manhole container	Ø1,165x1,500 mm	65 kg	808313006



## Spill trays

Leakproof containers to retain fuel stored in the tank in the event of a leak. Suitable for tanks of 1,000 litres or less.

### TECHNICAL DATA

**Material:** 0.8 mm galvanised steel sheet

	Dimensions (approx.)	Weight (approx.)	
Tray A	1,680x750x160 mm	12 kg	385905015
Tray B	1,220x690x160 mm	10 kg	385905016
Tray C	810x810x160 mm	8.5 kg	385905017
Tray D	2,300x810x160 mm	20 kg	385905033



31 /  
Accessories

## Plastic funnels

Made of polypropylene, specially suitable for the hydrocarbon and chemical product handling (ask for other liquids).

	Ø exterior	Ø interior	
Plastic funnel	255 mm	245 mm	460000000
Plastic funnel	160 mm	150 mm	460500000
Plastic funnel	75 mm	70 mm	460100000
3-funnel set with joint	-	-	460700000

### TECHNICAL DATA

**Sieve material:** 350 µm stainless mesh

### Optional

Sieve (Ø255 & 160 mm) · Ø50 mm ext. · Ø40 mm int.	460000003
3-funnel joint	469000000



## Spill containers

Designed to prevent product spillage in the area of filling connections and vapour outlets in underground storage tanks during normal filling operations. Easy to install. Its flexible structure allows it to adapt to any type of ground. Allows the product to be drained from the container into the underground tank.

### TECHNICAL DATA

**Connection:** 4"  
**Capacity:** 19 L  
**Weight:** 25-28.5 kg

### COMPONENTS

- › Cast iron and fibreglass cover (depending on the model)
- › Cast iron mounting ring
- › Polythene bellow
- › Compound fibre base
- › Stainless steel brackets
- › Buna-N seals

	Ø cover	Dimensions (approx.)	
Spill container fibre cover	360 mm	Ø360x410 mm	808313001G
Spill container steel cover	360 mm	Ø360x410 mm	808313004
Spill container steel cover	410 mm	Ø435x390 mm	808313005



# 32 / Additive dispenser

P. 40 → Electronic displays

## Additive dispenser 230 VAC

Dispensing and inject additive to the fuel. It can be used in petrol stations, logistic tanks or charge boards. Configure the percentages of additive corresponding to each type of fuel.



### TECHNICAL DATA

<b>Flow:</b>	6-50 l/h
<b>Supply accuracy:</b>	±1 %
<b>Ambient temperature:</b>	0 °C / +45 °C
<b>Max. pressure:</b>	3 bar
<b>Max. height suction tube:</b>	1.5 m
<b>Protection:</b>	IP-55
<b>Dimensions (approx.):</b>	450x270x405 mm

### COMPONENTS

- › Injection pump
- › Electronic heading to configure the percentages of additive
- › Metallic cabinet with lock
- › 1 m suction tube
- › 2 m delivery tube

Additive dispenser	33411-CF00000
Additive dispenser with trolley and 230 VAC cable reel	33420-CF00000

# 33 / Extractors

## Debowser

15/60 l/min

230 · 230/400 VAC

Simple or double fuel extraction kits with ATEX components, special for the extraction of diesel, petrol and kerosene.

P. 40 → Electronic displays

P. 90 → Hoses & suction kits

Ⓢ DIESEL  
Ⓢ PETROL



### TECHNICAL DATA

<b>Suction flow:</b>	15/60 l/min
<b>Accuracy:</b>	±2 %
<b>Ventilation:</b>	Embedded
<b>Dimensions (approx.):</b>	800x400x1,500 mm
<b>Weight (approx.):</b>	157 kg

### COMPONENTS

- › Chassis in steel, stainless steel and aluminium with treatment to maximise corrosion protection and weatherproof
- › Weatherproof
- › One or two suction pumps with meter
- › GE electronic display or GK-7Plus controller
- › 4 m Ø½" suction hose for diesel or petrol with ball valve
- › Suction probes
- › Empty manometer

## LG-84 Electric extractor

Electric extractor for extraction of water from the bottom of tanks. Also for the cleaning of manholes.

Ⓢ DIESEL



### TECHNICAL DATA

<b>Flow:</b>	35 l/min
<b>Motor:</b>	0.25 kW
<b>Consumption:</b>	1.2-2 A
<b>Motor speed:</b>	3,000 rpm
<b>Protection:</b>	IP-55
<b>Pressure/Depression:</b>	+0.9/-0.7 bar
<b>Max. vessel capacity:</b>	60 L
<b>Max. admissible capacity:</b>	50 L
<b>Dimensions (approx.):</b>	475x520x865 mm
<b>Net weight (approx.):</b>	42.5 kg

### COMPONENTS

- › Vacuum gauge -1 +3 bar
- › FF $\frac{3}{4}$ " ball valve
- › Level buoy (overflow security)
- › 5.5 m transparent hose with  $\frac{1}{2}$ " metallic galvanised lance
- › 0.75 m M $\frac{3}{4}$ " complete drain probe
- › 1.5 m  $\varnothing 12 \times 9$  mm tank extraction tube
- › 1.5 m  $\varnothing 8 \times 6$  mm tank extraction tube
- › Stainless grid
- › Breakaway valve
- › Chassis with handle and back wheels

### FUNCTIONS

- › **Extraction of water from the bottom of tanks**  
Suction of water, sludge and impurities from all types of above-ground or underground tanks. Water suction without creating turbulences, which prevents the water from remaining in suspension.  
Quick separation of the suctioned liquid by decantation, with the possibility of returning the clean liquid to the same tank and the contaminated liquid to the authorised containers.
- › **Cleaning of manholes**  
Suction of liquids and sludge in manholes. It easily sucks up sludge, hydrocarbon water and dirt left at the bottom of manholes.

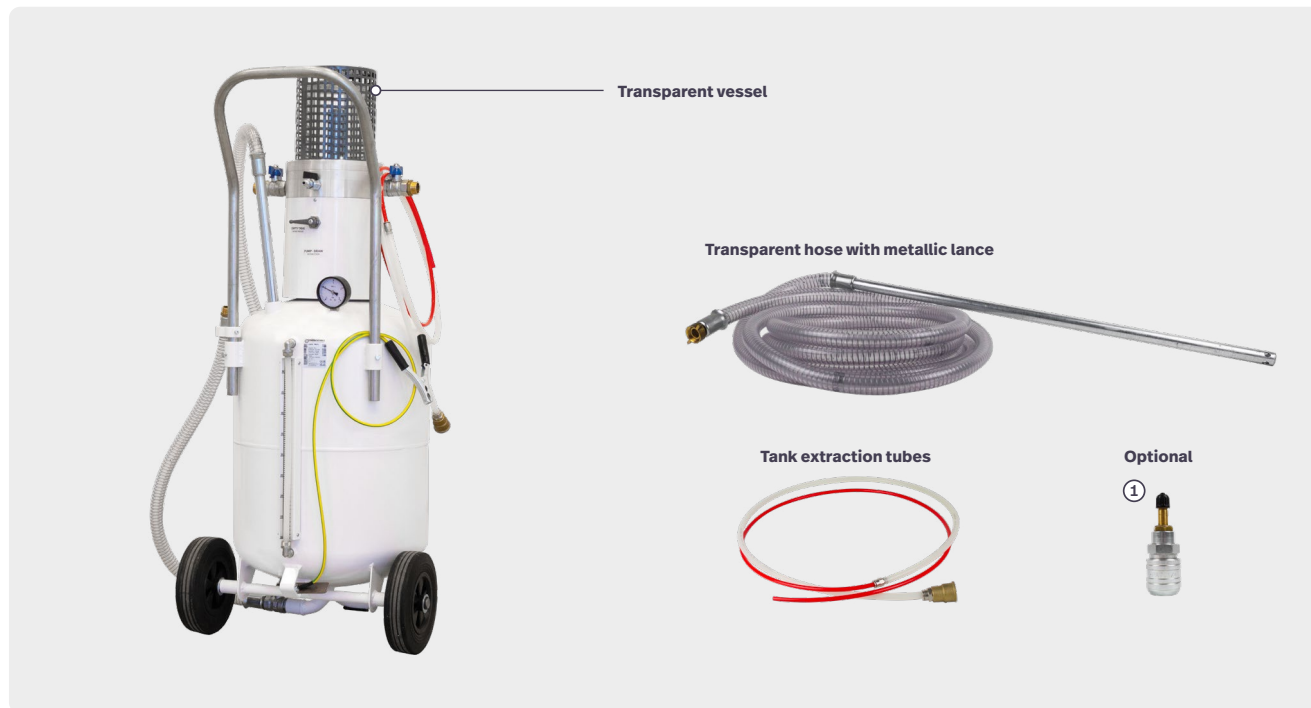
	Fluids	
LG-84 Electric extractor	Ⓢ	480000000
<b>Optional</b>		
① Air output tube adapter (service station)		480105010
Water paste · water level indicator		807613001

# LGN-65 Pneumatic extractor

33 /  
Extractors

Pneumatic extractor without electric connection for extraction of water from the bottom of tanks. Also for remove fuel from vehicles and cleaning of manholes.

Ⓢ DIESEL  
Ⓢ PETROL



## TECHNICAL DATA

Required air flow:	200 l/min at 6 bar
Suctioned flow:	400 l/min
Tank vacuum:	-0.8 bar
Positive pressure in the tank:	up to 0.9 bar
Suction capacity:	6 m
Capacity:	50 L
Dimensions (approx.):	550x510x1,140 mm
Net weight (approx.):	36.45 kg

## COMPONENTS

- › Vacuum gauge -1 +3 bar
- › Level indicator
- › Tank for the extracted fuel
- › Transparent vessel with protective metal housing
- › Earth connection
- › 5.5 m transparent hose with 1/2" metallic galvanised lance
- › 0.75 m M3/4" complete drain probe
- › 1.5 m Ø12x9 mm tank extraction tube
- › 1.5 m Ø8x6 mm tank extraction tube
- › Chassis with handle and back wheels

## FUNCTIONS

- › **Extraction of water from the bottom of tanks**  
Suction of water, sludge and impurities from all types of above-ground or underground tanks. Water suction without creating turbulences, which prevents the water from remaining in suspension. Quick separation of the suctioned liquid by decantation, with the possibility of returning the clean liquid to the same tank and the contaminated liquid to the authorised containers.
- › **Remove fuel from vehicles**  
Quick and effective solution for vehicles that have been refueled with the wrong fuel. Suction by means of extraction probes inserted into the vehicle tank.
- › **Cleaning of manholes**  
Suction of liquids and sludge in manholes. Easily sucks sludge, hydrocarbonated water and dirt from the bottom of manholes.

Fluids

Ⓢ Ⓢ 48032-CF00000

LGN-65 Pneumatic extractor

## Optional

① Air output tube adapter (service station)	480105010
Water paste · water level indicator	807613001

## LGN-200 Pneumatic multi-use extractor

Equipment for the extraction, storage, filtration and later supply of fuels.  
Specially suitable for "rent a car" companies.

⊕ DIESEL  
⊕ PETROL



### TECHNICAL DATA

Required air flow:	200 l/min at 6 bar
Suctioned flow:	400 l/min
Tank vacuum:	-0.8 bar
Positive pressure in the tank:	up to 0.9 bar
Capacity:	200 L
Dimensions (approx.):	950x950x1,615 mm
Net weight (approx.):	135 kg

### COMPONENTS

- › Vacuum gauge -1 +3 bar
- › Integrated tank of 200 L capacity
- › Transparent vessel of 10 L capacity with built-in microfilter
- › Water-repellent paper filter of 5 µm
- › Earth connection
- › Lower valve for the total empty of the tank and liquid analysis
- › Level indicator
- › MGE-40 electronic gear meter
- › PA-60 automatic nozzle
- › 5.5 m transparent hose with 1/2" metallic galvanised lance
- › 1.5 m Ø12x9 mm tank extraction tube
- › 1.5 m Ø8x6 mm tank extraction tube
- › 4 m Ø20 mm transparent hose
- › Chassis with handle and wheels

### FUNCTIONS

- › **Extraction, storage, filtering and subsequent supply of fuel**

The fuel is extracted from the vehicles. It is filtered and then it can be supplied with the same equipment by means of the built-in nozzle and supply meter. The supply can be controlled by the meter or the lower valve without any metering. It allows the conservation of the vacuum/pressure inside to extract/vacuum in places where there is no air intake.

	Fluids	
LGN-200 Pneumatic multi-use extractor	⊕ ⊖	480200000
<b>Optional</b>		
Air output tube adapter (service station)		480105010
Water paste · water level indicator		807613001

AdBlue / DEF

# 01 / Diaphragm pumps

- Ⓢ ADBLUE / DEF
- Ⓢ WATER

## BD-30 110/230 VAC

30 l/min

0.37 kW

Self-priming diaphragm pump. Made of compatible materials with AdBlue/DEF fluid in order to avoid damages.

**TECHNICAL DATA**

<b>Free flow:</b>	30 l/min
<b>Motor:</b>	0.37 kW · 50/60 Hz · self-ventilated
<b>Operation:</b>	S2 20'
<b>Motor speed:</b>	1,750 rpm
<b>Protection:</b>	IP-55
<b>Temperature:</b>	-5 °C / +40 °C
<b>Connection:</b>	M1" or 19 mm adapter
<b>Dimensions (approx.):</b>	265x280x170 mm
<b>Net weight (approx.):</b>	4.775 kg

**COMPONENTS**

- › 2 m electrical cable with type F plug
- › ON/OFF switch



**PACKAGING**

- Ⓢ 310x210x190 mm  
LxWxH (approx.)
- Ⓢ 5 kg  
(approx.)
- Ⓢ 75 units / pallet  
(EUR-pallet)

	Consumption	Fluids	
BD-30 110 VAC	1.3 A	Ⓢ Ⓢ	02232-CF00000
BD-30 230 VAC	0.7 A	Ⓢ Ⓢ	02231-CF00000

## BD-30 12/24 VDC

30 l/min

0.18 kW

Self-priming diaphragm pump. Made of compatible materials with AdBlue/DEF fluid in order to avoid damages.

**TECHNICAL DATA**

<b>Free flow:</b>	30 l/min
<b>Motor:</b>	0.18 kW
<b>Operation:</b>	S2 20'
<b>Motor speed:</b>	1,750 rpm
<b>Protection:</b>	IP-55
<b>Temperature:</b>	-5 °C / +40 °C
<b>Connection:</b>	M1" or 19 mm adapter
<b>Dimensions (approx.):</b>	265x265x130 mm
<b>Net weight (approx.):</b>	3.2 kg

**COMPONENTS**

- › 2 m electrical cable with clamps
- › ON/OFF switch



**PACKAGING**

- Ⓢ 310x210x190 mm  
LxWxH (approx.)
- Ⓢ 5 kg  
(approx.)
- Ⓢ 75 units / pallet  
(EUR-pallet)

	Consumption	Fluids	
BD-30 12 VDC	12 A	Ⓢ Ⓢ	02240-CF00000
BD-30 24 VDC	7.3 A	Ⓢ Ⓢ	02241-CF00000

# 02 / High flow pumps

## BDP Stainless Steel electric motor IP-55

100-500 l/min

1.1-2.2 kW

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

### TECHNICAL DATA

Operation:	S1 continuous
Protection:	IP-55
Temperature:	-5 °C / +40 °C



Ⓢ ADBLUE / DEF  
Ⓢ WATER

	Free flow	Motor	Motor voltage	Connection	Dimensions (approx.)	Net weight (approx.)	Fluids	
BDP-100 INOX	100 l/min	1.1 kW	230/400 VAC	F1 1/4" BSP thread	628x220x315 mm	55 kg	Ⓢ Ⓢ	101900700
BDP-300 INOX	300 l/min	2.2 kW	230/400 VAC	2 1/2" Welded flange	1,033x300x364 mm	125 kg	Ⓢ Ⓢ	101200800
BDP-500 INOX	500 l/min	2.2 kW	230/400 VAC	2 1/2" Welded flange	1,064x300x409 mm	148.5 kg	Ⓢ Ⓢ	102800500

### Optional

① 1 1/4" Stainless mesh filter · 2,000 µm · (BDP-100)	101901000
① 2 1/2" Stainless mesh filter · 2,000 µm · (BDP-300/500)	101201002

## BDP Stainless Steel diesel motor

100-500 l/min

1 1/4-2 1/2" BSP

Bedplate high flow vane pumps of positive displacement with heavy-duty diesel motor and bypass valve.



	Free flow	Connection	Fluids	
BDP-100 INOX · diesel motor	100 l/min	F1 1/4" BSP thread	Ⓢ Ⓢ	103100000
BDP-300 INOX · diesel motor	300 l/min	2 1/2" Welded flange	Ⓢ Ⓢ	101200600
BDP-500 INOX · diesel motor	500 l/min	2 1/2" Welded flange	Ⓢ Ⓢ	102800600

## 02 / High flow pumps

Ⓞ ADBLUE / DEF  
Ⓞ WATER

# BDP Stainless Steel hydraulic motor

100-500 l/min

1 ¼-2 ½" BSP

High flow vane pumps with bypass valve for the installation in tankers for the mobile supply.



	Free flow	Connection	Fluids	
BDP-100 INOX · hydraulic motor	100 l/min	F1 ¼" BSP thread	Ⓞ Ⓞ	101900900
BDP-300 INOX · hydraulic motor	300 l/min	2 ½" Welded flange	Ⓞ Ⓞ	101200900
BDP-500 INOX · hydraulic motor	500 l/min	2 ½" Welded flange	Ⓞ Ⓞ	102800700

# BDP Stainless Steel without motor · 1 or 2 shafts

High flow vane pumps with bypass, without motor and with one or two shafts to be mounted on an installation.



	Free flow	Connection	Fluids	
BDP-100 INOX · without motor	100 l/min	F1 ¼" BSP thread	Ⓞ Ⓞ	103100100
BDP-300/500 INOX · without motor	300/500 l/min	2 ½" Welded flange	Ⓞ Ⓞ	102800800

# 03 / Submersible pump

## SP-80 230 VAC

80 l/min

0.5 kW

F1"

Two-impeller submersible pump. It operates even when it is partially submerged.

### TECHNICAL DATA

Free flow:	80 l/min
Motor:	0.5 kW
Consumption:	4 A
Motor speed:	2,800 rpm
Motor protection:	IP-68
Connection:	F1" or adapter connector
Dimensions (approx.):	160x160x555 mm
Net weight (approx.):	9.1 kg

### COMPONENTS

- › Anti-corrosive and rust-proof materials
- › Motor with thermal protection against overheating
- › Wear resistant shaft
- › Anti-debris stainless steel strainer

Submersible pump for AdBlue · 230 VAC

Fluids



02194-CF00000



⊕ ADBLUE / DEF  
⊕ WATER

# 04 / Manual pump

## BMP-BLUE

330 ml x stroke

Manual

Manual pump for transferring AdBlue/DEF from tanks and IBC. It is adaptable to barrels from 50 to 200 litres.

### TECHNICAL DATA

Discharge:	330 ml x stroke
Dimensions (approx.):	530x320x110 mm
Net weight (approx.):	1.4 kg

### COMPONENTS

- › Telescopic uptake pipe 400 - 915 mm Polypropylene
- › It is possible to install a padlock (not included) in order to block its use

BMP-BLUE

Fluids



041200100



⊕ ADBLUE / DEF  
⊕ WATER

# 05 / Supply kits for AdBlue

P. 110 → BD-30  
110/230 VAC

P. 116 → MGE-40Blue  
· MGE-110Blue · MGE-  
400Blue

P. 130 → PT-60 ·  
Manual nozzle

P. 130 → PA-60U ·  
Automatic nozzle

## Kits for drums or tanks

30 l/min

0.37 kW

200 · 1,000 L

AdBlue/DEF supply to vehicles from 200 litre drum or 1,000 litre tank. Easy to use and place in any type of tank or wall mount.

Ⓢ ADBLUE / DEF

Ⓢ WATER



### TECHNICAL DATA

Free flow: 30 l/min  
Min. temperature: -10 °C

### COMPONENTS

- › BD-30 230 VAC self-priming diaphragm pump
- › Metallic support with nozzle hanger
- › 1.5 m transparent AdBlue/DEF suction hose
- › 4 m Ø3/4" delivery AdBlue/DEF hose
- › Universal stainless steel hook set (adaptable to all type of tanks)

	Meter	Nozzle	Suction kits	Fluids	
AD-200M KIT	-	PT-60 manual	200 L drum	Ⓢ Ⓢ	190700100
AD-200A KIT	-	PA-60U automatic	200 L drum	Ⓢ Ⓢ	190900100
AD-1000M KIT	-	PT-60 manual	1,000 L tank	Ⓢ Ⓢ	190800100
AD-1000A KIT	-	PA-60U automatic	1,000 L tank	Ⓢ Ⓢ	191000100
AD-CDSM KIT	-	PT-60 manual	1,000 L · CDS	Ⓢ Ⓢ	191200100
AD-CDSA KIT	-	PA-60U automatic	1,000 L · CDS	Ⓢ Ⓢ	191100100
SADE-200M KIT	MGE-40Blue	PT-60 manual	200 L drum	Ⓢ Ⓢ	190100100
SADE-200A KIT	MGE-40Blue	PA-60U automatic	200 L drum	Ⓢ Ⓢ	190300100
SADE-1000M KIT	MGE-40Blue	PT-60 manual	1,000 L tank	Ⓢ Ⓢ	190200100
SADE-1000A KIT	MGE-40Blue	PA-60U automatic	1,000 L tank	Ⓢ Ⓢ	190400100
SADE-CDSM KIT	MGE-40Blue	PT-60 manual	1,000 L · CDS	Ⓢ Ⓢ	190600100
SADE-CDSA KIT	MGE-40Blue	PA-60U automatic	1,000 L · CDS	Ⓢ Ⓢ	190500100

## AdBlue trolley kit

30 l/min

0.5 - 0.18 kW

AdBlue/DEF supply kit for 200 L drum.

### TECHNICAL DATA

**Free flow:** 30 l/min  
**Meter accuracy:** ±0.8 %

### COMPONENTS

- › BD-30 230 VAC or 12 VDC self-priming diaphragm pump
- › MGE-40Blue electronic meter · ±0.8 %
- › PA-60U automatic nozzle
- › Nozzle hanger
- › 4 m AdBlue/DEF hose
- › Suction pipe with adapter to 200 L drum
- › Transport trolley for 200 L drum



## 05 / Supply kits for AdBlue

P. 110 → Diaphragm pumps

P. 116 → MGE-40Blue · MGE-110Blue · MGE-400Blue

P. 130 → PA-60U · Automatic nozzle

⊕ ADBLUE / DEF  
 ⊕ WATER

	Pump	Motor	Battery + charger	Fluids	
SBD-30 230 VAC	BD-30 230 VAC	0.37 kW	No	⊕ ⊕	19331-CF00000
SBD-30 12 VDC	BD-30 12 VDC	0.18 kW	Yes	⊕ ⊕	19341-CF00000

## 06 / Mechanical meter

## MG-80

15-90 l/min

±1% accuracy

Mechanical meter with oscillating disc.  
 For private use, not suitable for fiscal operations.

### TECHNICAL DATA

**Flow:** 15-90 l/min  
**Accuracy:** ±1% (15-90 l/min) ·  
 ±0,8% (20-90 l/min) ·  
 ±0,5% (50-70 l/min)  
**Max. pressure:** 3.5 bar  
**Ambient temperature:** -10 °C / +60 °C  
**Partial indicator:** 3 digits  
**Totaliser:** 6 digits  
**Connection:** 1" GAS (BSP) · 3 inlets and 2 outlets  
**Dimensions (approx.):** 150x150x170 mm  
**Net weight (approx.):** 1.6 kg

### COMPONENTS

- › Polyamide + Fibreglass housing
- › 2 additional MF1" GAS (BSP) adapters
- › Red adapter with filter sieve of 350 µm



⊕ ADBLUE / DEF  
 ⊕ WATER

### PACKAGING

- ⊕ 180x180x180 mm  
LxWxH (approx.)
- ⊕ 2 kg  
(approx.)
- ⊕ 240 units / pallet  
(EUR-pallet)

	Fluids	Litres	US GAL
MG-80	⊕ ⊕ ⊕	32000-CF00000	32000-CF00010

# 07 / Electronic meters

⊕ ADBLUE / DEF  
⊕ WATER

## MGE-40Blue · MGE-110Blue · MGE-400Blue

4-400 l/min

±0.8% accuracy

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



### TECHNICAL DATA

**Accuracy:** ±0.8%  
**Max. pressure:** 5 bar  
**Ambient temperature:** -10 °C / +50 °C  
**Partial indicator:** 3 integers and 2 decimals  
**Totaliser:** 5 digits

### COMPONENTS

- › Body made of heavy-duty plastic material (POM)
- › Tropicalised electronics
- › Digital display of liquid crystal (supplied volume or total volume)
- › Long life button battery (approx. 4 years)
- › Low battery display

### PACKAGING

- ⊕ MGE-40Blue: 180x180x180 mm · MGE-110Blue: 180x180x180 mm · MGE-400Blue: 310x320x230 mm LxWxH (approx.)
- ⊕ MGE-40Blue: 0.9 kg · MGE-110Blue: 1.4 kg · MGE-400Blue: 5.6 kg (approx.)
- ⊕ MGE-40Blue: 240 units / pallet · MGE-110Blue: 240 units / pallet · MGE-400Blue: 64 units / pallet (EUR-pallet)

	Flow	Connection	Dimensions (approx.)	Net weight (approx.)	Fluids	Litres	US GAL
MGE-40Blue	4-40 l/min	F1"	103.5x80x170 mm	0.877 kg	⊕ ⊕	32690-CF00000	32690-CF00010
MGE-110Blue	10-110 l/min	F1"	125x87x210 mm	1.35 kg	⊕ ⊕	32642-CF00000	32642-CF00100
MGE-400Blue	20-400 l/min	F2"	220x142x175 mm	5.35 kg	⊕ ⊕	32610-CF00000	32610-CF00002

08 /  
Pulsers

## MGI-40Blue

4-40 l/min

±0.8% accuracy

Electronic pulser of high accuracy oval gears.

## TECHNICAL DATA

Accuracy:	±0.8%
Max. pressure:	5 bar
Ambient temperature:	-10 °C / +50 °C
Communication channels:	2 channels 180°
Pulses:	98 ±2 % pulses per litre and channel
Connection:	F1"
Dimensions (approx.):	103.5x80x170 mm
Net weight (approx.):	0.887 kg

## COMPONENTS

- › Body made of heavy-duty plastic material (POM)
- › 1.9 m cable



Ⓞ ADBLUE / DEF  
Ⓞ WATER

## PACKAGING

- Ⓞ 180x180x180 mm  
LxWxH (approx.)
- Ⓞ 0.9 kg  
(approx.)
- Ⓞ 240 units / pallet  
(EUR-pallet)

Fluids



32702-CF00000

MGI-40Blue

## MGI-110Blue

10-110 l/min

±0.8% accuracy

Electronic pulser of high accuracy oval gears.

## TECHNICAL DATA

Accuracy:	±0.8%
Max. pressure:	5 bar
Ambient temperature:	-10 °C / +50 °C
Communication channels:	2 channels 180°
Pulses:	41 ±2 % pulses per litre and channel
Connection:	F1"
Dimensions (approx.):	125x90x210 mm
Net weight (approx.):	1.3 kg

## COMPONENTS

- › Body made of heavy-duty plastic material (POM)
- › 1.9 m cable



## PACKAGING

- Ⓞ 180x180x180 mm  
LxWxH (approx.)
- Ⓞ 1.4 kg  
(approx.)
- Ⓞ 240 units / pallet  
(EUR-pallet)

Fluids



32632-CF00000

MGI-110Blue

08 /

Pulsers

 ADBLUE / DEF

 WATER

## MGI-400Blue

20-400 l/min

±0.8% accuracy

Electronic pulser of high accuracy oval gears.

### TECHNICAL DATA




Accuracy:	±0.8%
Max. pressure:	5 bar
Ambient temperature:	-10 °C / +50 °C
Communication channels:	2 channels 180°
Pulses:	5.5 pulses per litre and channel
Connection:	F2"
Dimensions (approx.):	220x142x175 mm
Net weight (approx.):	5.35 kg

### COMPONENTS

- › Body made of heavy-duty plastic material (POM)
- › 1.9 m cable



### PACKAGING

-  310x320x230 mm  
LxWxH (approx.)
-  5.6 kg  
(approx.)
-  64 units / pallet  
(EUR-pallet)

MGI-400Blue

Fluids



326200000

## MGE/I-110Blue

10-110 l/min

±0.8% accuracy

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

### TECHNICAL DATA



Accuracy:	±0.8%
Max. pressure:	5 bar
Ambient temperature:	-10 °C / +50 °C
Communication channels:	2 channels 180°
Pulses:	41 ±2 % pulses per litre and channel
Connection:	F1"
Dimensions (approx.):	125x90x210 mm
Net weight (approx.):	1.3 kg

### COMPONENTS

- › Body made of heavy-duty plastic material (POM)
- › 1.9 m cable
- › Partial indicator
- › Totaliser



### PACKAGING

-  180x180x180 mm  
LxWxH (approx.)
-  1.4 kg  
(approx.)
-  240 units / pallet  
(EUR-pallet)

MGE/I-110Blue

Fluids



326400100

# 09 / High flow meter

## M-50 INOX

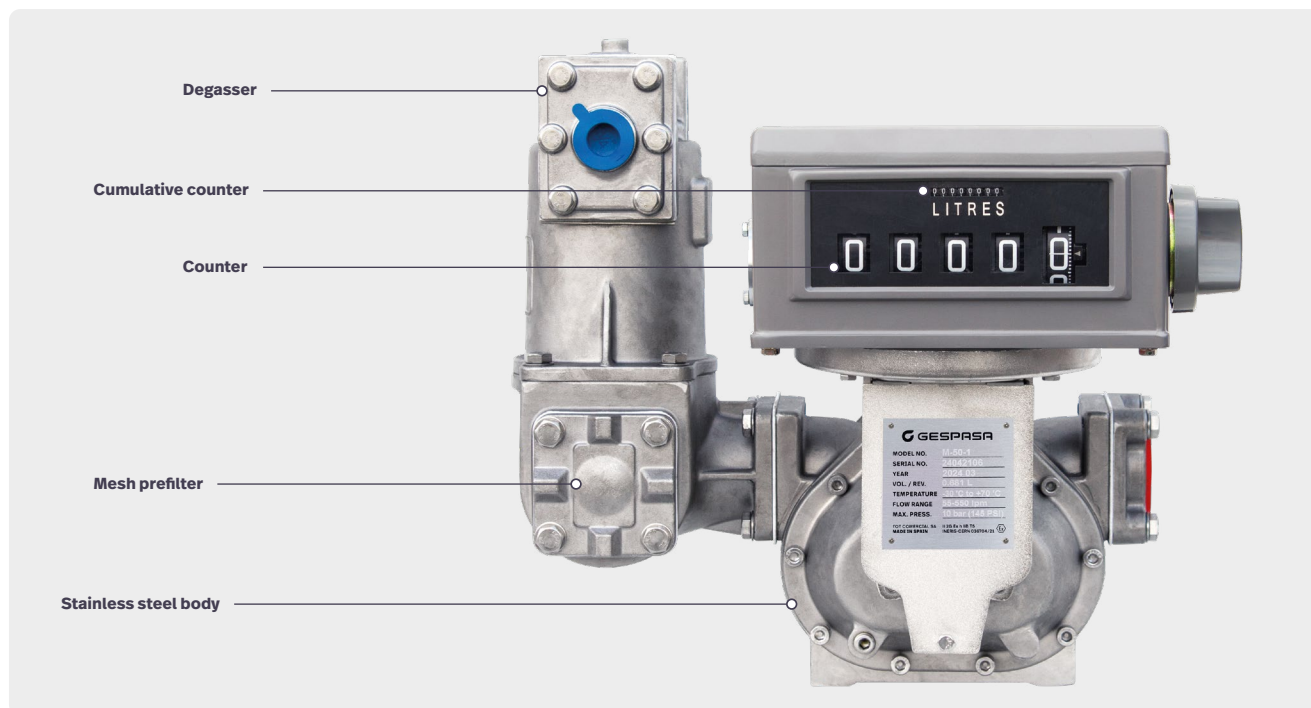
55-550 l/min

±0.2% accuracy

P. 111 → High flow pumps

⊕ ADBLUE / DEF  
⊕ WATER

Volumetric high flow meter. Maximum accuracy, minimum pressure drop and long service life.



### TECHNICAL DATA

Flow:	55-550 l/min
Connection:	2"
Accuracy:	±0.2 %
Repeatability:	< 0.07 %
Max. pressure:	10 bar
Ambient temperature:	-40°C / + 71°C
Partial indicator:	4.1 digits resettable
Totaliser:	8 digits
Material:	stainless steel
Dimensions (approx.):	510x460x490 mm
Net weight (approx.):	26 kg

### COMPONENTS

- › Stainless steel body
- › System of mechanical calibration
- › Degasser
- › Prefilter of 80 mesh

	Fluids	Litres	US GAL
M-50 INOX	⊕ ⊕	32745-CF00100	32745-CF00110

# 10 / Filters

- Ⓞ ADBLUE / DEF
- Ⓞ WATER

## FG-100Blue

105 l/min

25 µm

Microfilter with transparent vessel that allows the ocular and instantaneous inspection of impurities.



**TECHNICAL DATA**

<b>Transfer capacity:</b>	105 l/min
<b>Volume:</b>	2 L
<b>Max. working pressure:</b>	5 bar
<b>Max. breaking pressure:</b>	8 bar
<b>Connection:</b>	F1" BSP threads and flanges
<b>Dimensions (approx.):</b>	218x171x300 mm
<b>Net weight (approx.):</b>	2.27 kg

**PACKAGING**

- 📦 190x220x330 mm  
LxWxH (approx.)
- ⚖️ 2.7 kg  
(approx.)
- 📦 100 units / pallet  
(EUR-pallet)

**COMPONENTS**

- › Aluminium with special treatment for AdBlue/DEF top case
- › Transparent plastic vessel
- › Cartridge
- › Manual drain valve
- › Key for replacing the cartridge

	Cartridge	Fluids	
FG-100Blue	25 µm	Ⓞ Ⓞ	39025-CF00000

**Optional**

① Paper filtering element spare kit + joints · 25 µm	660708006
② Key for the cartridge replacing	660705000
③ FG-100 wall support	660704000

## FUP-1Blue

50 l/min

25 µm

Filtration of AdBlue and other fluids through a metal mesh.

### TECHNICAL DATA

Transfer capacity:	50 l/min
Connection:	F1" BSP
Dimensions (approx.):	56x80x118 mm
Net weight (approx.):	0.3 kg

### COMPONENTS

- › Polyamide + fibreglass body
- › Filter element: 25 µm stainless steel mesh, assembled in sandwich
- › Connection in AISI 304 stainless steel metal insert

10 /  
Filters

- ⊕ ADBLUE / DEF
- ⊕ WATER

	Mesh	Fluids	
FUP-1Blue	25 µm	⊕ ⊕	660300300
<b>Optional</b>			
① Replacement cap + metal mesh			660302001

## FG-450Blue

450 l/min

200 µm

Microfilter with stainless steel body for the filtration of solid particles higher than 200 µm.

### TECHNICAL DATA

Transfer capacity:	450 l/min
Volume:	30 L
Connection:	F2" BSP
Dimensions (approx.):	254x312x1,150 mm
Net weight (approx.):	27 kg

### COMPONENTS

- › Cover and heading made of aluminium with special treatment for AdBlue/DEF
- › AISI-304 stainless steel body
- › 200 µm stainless steel mesh cartridge
- › Manual lower drain valve



	Cartridge	Fluids	
FG-450Blue INOX	200 µm	⊕ ⊕	66450-CF00000
<b>Optional</b>			
200 µm Stainless steel mesh filtering spare kit + joints			661908007

# 11 / COMPACT dispensers

P. 98 → Pedestal bases

P. 110 → BD-30 110/230 VAC

P. 117 → MGI-40Blue

P. 120 → FG-100Blue

P. 130 → PA-60U · Automatic nozzle

**COMPACT supply kits are the most reduced version of our supply kits. Suitable for the AdBlue/DEF supply, measurement and control to own consumption vehicles.**

Ⓞ ADBLUE / DEF

Ⓞ WATER

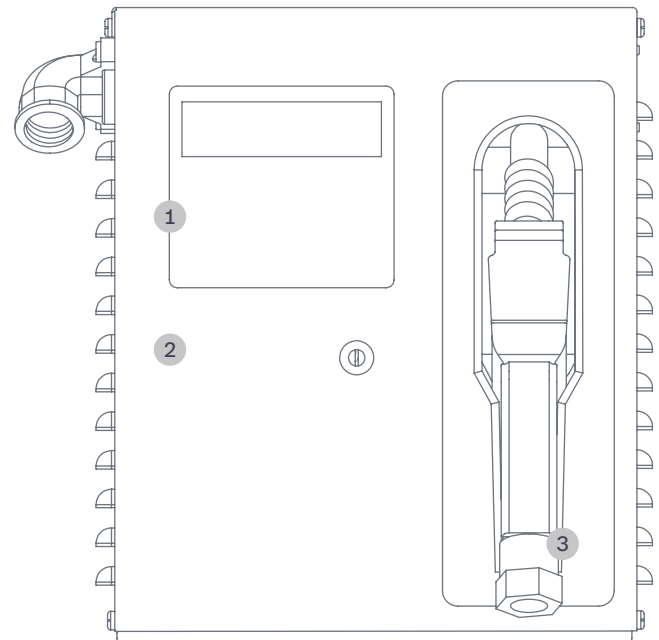
- 1 **1 electronic display**
  - › 4 options available: E, GE, GK-7 & GK-7Plus
- 2 **Chassis**
  - › Made of steel
  - › Treatment to maximise corrosion protection
  - › Weatherproof

**Pulser**

  - › MGI-40Blue Pulser

**Pump**

  - › BD-30 230 VAC Diaphragm pump or kit without pump to be connected to a submersible or displaced pump
- 3 **Nozzle & hose**
  - › PA-60U automatic nozzle
  - › 4 m Ø19 mm delivery hose special for AdBlue/DEF



#### Optional

Hexagonal pedestal base · height 1 m

800400015

FG-100BLUE · Microfilter for AdBlue/DEF of 25 µm

39025-CF00000

## COMPACT Blue E

30 l/min

230 VAC

Display E

Electronic supply kits with digital display. Partial indicator of 5 digits and totaliser of 7 digits (scroll mode). To reset the display to zero, it is necessary to press the RESET button.

### TECHNICAL DATA

Flow:	30 l/min
Pulser accuracy:	±0.8 %
Dimensions (approx.):	410x460x410 mm
Net weight (approx.):	18 kg

### COMPONENTS

- › Display E with tropicalised electronics and standard lithium battery (approx. 4 years of life)
- › TOTAL & RESET buttons



11 /  
COMPACT  
dispensers

P. 40 → Display E

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

Ⓢ ADBLUE / DEF  
Ⓢ WATER

	Pump	Fluids	
COMPACT BLUE BD-30E 230	BD-30 230 VAC	Ⓢ	19670-CF00000
COMPACT BLUE E 230	without pump	Ⓢ	19662-CF00000

## COMPACT Blue GE

30 l/min

230 VAC

Display GE

Electronic supply kits with digital display. 6-digit partial indicator and totaliser and volume preset. The display is automatically reset to zero when the nozzle is unhung.

### TECHNICAL DATA

Flow:	30 l/min
Meter accuracy:	±0.8 %
Dimensions (approx.):	410x460x410 mm
Net weight (approx.):	18 kg

### COMPONENTS

- › GE display · 6-digit electronic console powered at 230 VAC
- › x1 & x10 buttons to preset the volume to be supplied
- › Signal amplifier output for connection to a display or an external controller



	Pump	Fluids	
COMPACT BLUE BD-30GE 230	BD-30 230 VAC	Ⓢ	19672-CF00000
COMPACT BLUE GE 230	without pump	Ⓢ	19663-CF00000

11 /  
COMPACT  
dispensers

P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VAC

P. 163 → GK-7 &  
GK-7M

P. 167 → GK-7Plus &  
GK-7PlusM

P. 171 → GKSuite  
Desktop Software

P. 171 → GKSuite  
Desktop Software

Ⓞ ADBLUE / DEF

Ⓞ WATER

## COMPACT Blue K

30 l/min

230 VAC

GKSuite

Electronic supply kits for AdBlue/DEF with embedded GK-7 own consumption controller that communicates with the GKSuite software installed in your PC.

### TECHNICAL DATA

**Flow:** 30 l/min  
**Pulser accuracy:** ±0.8 %  
**Dimensions (approx.):** 410x460x410 mm  
**Net weight (approx.):** 24.75 kg

### COMPONENTS

- › Display GK-7
- › GK-7 controller of users and vehicles that communicates with the GKSuite software installed in a PC
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 60-user/vehicle memory included by default (other memories available).
- › Identification key reader iButton included by default (other identification systems available).



	Pump	Fluids	
COMPACT Blue BD-30K-60 230	BD-30 230 VAC	Ⓞ	19680-CF00000
COMPACT Blue K-60 230	without pump	Ⓞ	19650-CF00000

## COMPACT Blue Plus

30 l/min

230 VAC

DieselPlus

Electronic supply kits for AdBlue/DEF with embedded GK-7Plus controller that communicates with the DieselPlus cloud software.

### TECHNICAL DATA

**Flow:** 30 l/min  
**Pulser accuracy:** ±0.8 %  
**Dimensions (approx.):** 410x460x420 mm  
**Net weight (approx.):** 24.75 kg

### COMPONENTS

- › Display GK-7Plus
- › GK-7Plus controller of users and vehicles that communicates with the DieselPlus cloud software
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 60-user/vehicle memory included by default (other memories available).
- › Identification key reader iButton included by default (other identification systems available).



	Pump	Fluids	
COMPACT Blue BD-30Plus-60 230	BD-30 230 VAC	Ⓞ	19681-CF00000
COMPACT Blue Plus-60 230	without pump	Ⓞ	19652-CF00000

# 12 / TOTEM dispensers

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

P. 110 → BD-30  
110/230 VAC

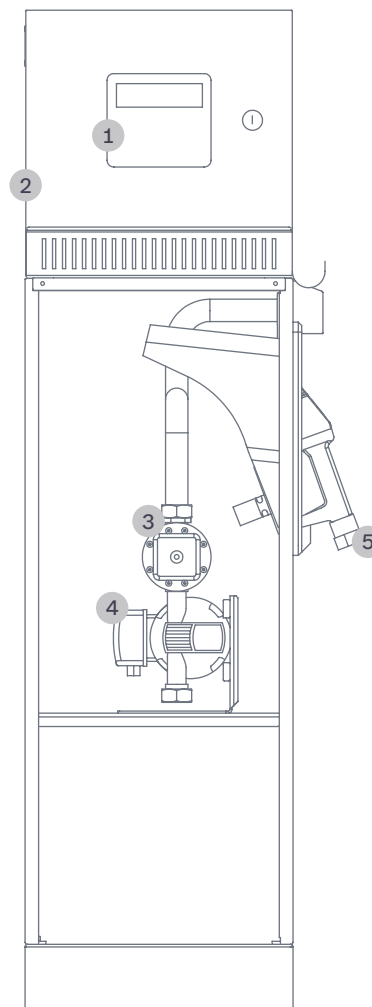
P. 117 → MGI-40Blue

P. 120 → FG-100Blue

P. 130 → PA-60U -  
Automatic nozzle

⊕ ADBLUE / DEF  
⊕ WATER

- 1 **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-40Blue Pulser
- 4 **Pump**
  - › BD-30 230 VAC diaphragm pump or  
without pump to be connected to a submersible  
or displaced pump
- 5 **Nozzle & hose**
  - › PA-60U automatic nozzle
  - › 4 m Ø19 delivery hose



#### Optional

FG-100BLUE · Microfilter for AdBlue/DEF of 25 µm

39025-CF00000

Protection sunshield

FE016001

# TOTEM Blue E

30 l/min

230 VAC

Display E

Electronic supply kits with digital display for AdBlue/DEF. Partial indicator of 5 digits and totaliser of 7 digits (scroll mode). To reset the display to zero, it is necessary to press the RESET button.



**TECHNICAL DATA**

**Flow:** 30 l/min  
**Pulser accuracy:** ±0.8 %  
**Dimensions (approx.):** 460x400x1,500 mm  
**Net weight (approx.):** 49 kg

**COMPONENTS**

- › Display E with tropicalised electronics and standard lithium battery (approx. 4 years of life)
- › Total & reset buttons

	Pump	Fluids	
TOTEM Blue BD-30E 230	BD-30 230 VAC	Ⓢ	19700-CF00000
TOTEM Blue E 230	without pump	Ⓢ	19702-CF00000

# TOTEM Blue GE

30 l/min

230 VAC

Display GE

12 /

TOTEM  
dispensers

Electronic supply kits for AdBlue/DEF with digital display of 6-digit partial indicator and totaliser and volume preset. The display is automatically reset to zero when the nozzle is unhung.

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

⊕ ADBLUE / DEF  
⊕ WATER



#### TECHNICAL DATA

Flow:	30 l/min
Pulser accuracy:	±0.8 %
Dimensions (approx.):	460x400x1,500 mm
Net weight (approx.):	49 kg

#### COMPONENTS

- › GE display · 6-digit electronic console powered at 230 VAC
- › x1 & x10 buttons to preset the volume to be supplied
- › Signal amplifier output for connection to a display or an external controller

	Pump	Fluids	
TOTEM Blue BD-30GE 230	BD-30 230 VAC	⊕	19703-CF00000
TOTEM Blue GE 230	without pump	⊕	19704-CF00000

12 /

TOTEM dispensers

# TOTEM Blue K

30 l/min

230 VAC

GKSuite

P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VAC

P. 163 → GK-7 &  
GK-7M

P. 171 → GKSuite  
Desktop Software

Ⓞ ADBLUE / DEF  
Ⓞ WATER

Electronic supply kits for AdBlue/DEF with embedded GK-7 own consumption controller that communicates with the GKSuite software installed in your PC.



**TECHNICAL DATA**

**Flow:** 30 l/min  
**Pulser accuracy:** ±0.8 %  
**Dimensions (approx.):** 460x400x1,500 mm  
**Net weight (approx.):** 54 kg

**COMPONENTS**

- › Display GK-7
- › GK-7 controller of users and vehicles that communicates with the GKSuite software installed in a PC
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 60-user/vehicle memory included by default (other memories available).
- › Identification key reader iButton included by default (other identification systems available).

	Pump	Fluids	
TOTEM Blue BD-30K-60 230	BD-30 230 VAC	Ⓞ	19710-CF00000
TOTEM Blue K-60 230	without pump	Ⓞ	19713-CF00001

# TOTEM Blue Plus

30 l/min

230 VAC

DieselPlus

Electronic supply kits for AdBlue/DEF with embedded GK-7Plus own consumption controller that communicates with the cloud software DieselPlus.

12 /

TOTEM  
dispensers

P. 41 → Display GK-7  
12/24 VDC ·  
110/230 VAC

P. 167 → GK-7Plus &  
GK-7PlusM

P. 173 → DieselPlus  
Cloud Software

⊕ ADBLUE / DEF  
⊕ WATER



#### TECHNICAL DATA

Flow:	30 l/min
Pulser accuracy:	±0.8 %
Dimensions (approx.):	460x400x1,510 mm
Net weight (approx.):	54 kg

#### COMPONENTS

- › Display GK-7Plus
- › GK-7Plus controller of users and vehicles that communicates with the DieselPlus cloud software
- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › 60-user/vehicle · 1,000 services memory included by default (other memories available).
- › Identification key reader iButton included by default (other identification systems available).

	Pump	Fluids	
TOTEM Blue BD-30Plus-60 230	BD-30 230 VAC	⊕	19711-CF00000
TOTEM Blue Plus-60 230	without pump	⊕	19714-CF00000

# 13 / Manual & automatic nozzles

Ⓢ ADBLUE / DEF  
Ⓢ WATER

## PT-60 · Manual nozzle

Manual nozzle made of polyamide and 15 % fibreglass with NBR joint

	Flow	Connection	Pressure	
PT-60	60 l/min	F3/4" BSP	2 bar	470100000

## PA-60U · Automatic nozzle

Automatic nozzle made of PP, stainless steel and Viton.

### COMPONENTS

- › Automatic nozzle
- › Rotary swivel Ø19 mm

	Flow	Connection	Pressure	
PA-60U	12-45 l/min	M1" BSP	4 bar	472900200



# 14 / Hose-reels

Ⓢ ADBLUE / DEF  
Ⓢ WATER

## AdBlue/DEF hose-reels

AdBlue/DEF hose-reels with hose.

### COMPONENTS

- › Stainless steel connections
- › 90° stainless steel swivel
- › Viton joints
- › Ø19 mm hose

	Hose	Ø	
MF3/4" HOSE-REEL	10 m	3/4"	807303050
MF3/4" HOSE-REEL	15 m	3/4"	807303051



# 15 / Static tanks

## BlueBox EX-F

1,500-35,000 L

integrated dispenser

**AdBlue/DEF tank with own consumption dispenser. Suitable for wherever a retail dispenser is not required.**

### COMPONENTS

- › Double vacuum filter
- › 30 or 50 mm insulated panel (depending on the model)
- › Monoblock galvanised steel base
- › 2" «Dry coupling» stainless filling valve
- › Optical warning of maximum-minimum capacity
- › Integrated dispenser
- › Submersible pump of 70 l/min



Ⓞ ADBLUE / DEF  
Ⓞ WATER

## BlueBox EX-A

1,000-10,000 L

for attached dispenser

**AdBlue/DEF tank mainly designed for the installation of a dispenser attached to the tank, either for the own consumption or for retail sale.**

### COMPONENTS

- › Double vacuum filter
- › 30 or 50 mm insulated panel (depending on the model)
- › Customised base for attached dispenser (dispenser not included)
- › Monoblock galvanised steel base
- › 2" «Dry coupling» stainless filling valve
- › Optical warning of maximum-minimum capacity
- › Analogical level indicator
- › Submersible pump of 70 l/min



## BlueBox EX-S

770-35,000 L

remote dispenser

**AdBlue/DEF tank with designed for the installation of a remote dispenser, either for the own consumption or for retail sale.**

### COMPONENTS

- › Double vacuum filter
- › 30 or 50 mm insulated panel (depending on the model)
- › Monoblock galvanised steel base
- › 2" «Dry coupling» stainless filling valve
- › Optical warning of maximum-minimum capacity
- › Submersible pump of 70 l/min



# 15 / Static tanks

P. 98 → Universal support

P. 110 → BD-30 12/24 VDC

P. 110 → BD-30 110/230 VAC

P. 117 → MGI-40Blue

P. 130 → Hose-reels

Ⓢ ADBLUE / DEF

Ⓢ WATER

## Blue-Kits

3,000 · 5,000 L

Polythene

Complete kits to store and supply AdBlue/DEF. Tanks made of high density polythene moulded in one piece.

### TECHNICAL DATA

**Material:** HDPE (high density)

### COMPONENTS

- › Translucent wall
- › Inserts to fix a metallic support to the tank
- › Wood pallet for its transport and stable base
- › Suction tube
- › Level indicator
- › 2" charging hole
- › Manhole
- › Air inlet



	Capacity	Dimensions (approx.)	Weight (approx.)	Fluids	
Horizontal Blue Kit · 3000	3,000 L	2,100x1,470x1,500 mm	230 kg	Ⓢ	808401021
Horizontal Blue Kit · 5000	5,000 L	2,200x1,680x1,900 mm	375 kg	Ⓢ	808401022

### Optional

Supply kit for AdBlue/DEF

# 16 / Mobile tanks

P. 110 → BD-30 12/24 VDC

P. 110 → BD-30 110/230 VAC

P. 117 → MGI-40Blue

P. 130 → Hose-reels

Ⓢ ADBLUE / DEF

Ⓢ WATER

## Polytank Blue

200 · 410 L

Polythene

GRG mobile tanks for the safe and legal AdBlue/DEF transport and supply and to be installed in vans, pickup, trucks... Maximum protection against corrosion.

### TECHNICAL DATA

**Material:** HDPE (high density)

### COMPONENTS

- › Cover with safety lock
- › Level indicator
- › Suction tube with filter
- › Vent valve
- › Shutoff valve



	Capacity	Dimensions (approx.)	Weight (approx.)	Fluids	
Polytank Blue 200	200 L	1,160x760x500 mm	33.5 kg	Ⓢ	384200800
Polytank Blue 410	410 L	1,160x760x790 mm	50 kg	Ⓢ	384200700

### Optional

Supply kit for AdBlue/DEF



# 01 / Self-suction gear pumps

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

LUBRICANT

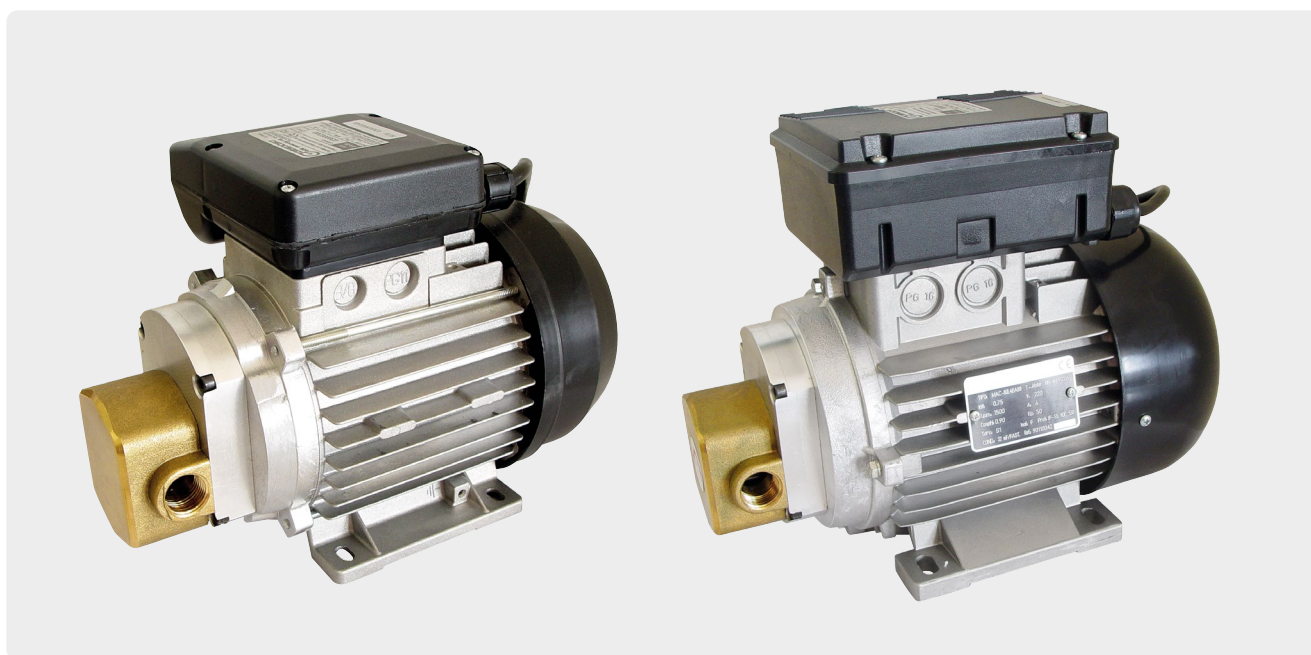
EA-88 0.37 kW 230 VAC ·  
EA-88 0.74 kW 230 VAC

20-25 l/min

0.37 · 0.74 kW

½" 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:	½" 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.)
- 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	☉	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	☉	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

½" 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
Operation:	S1 continuous
Motor speed:	1,500 rpm
Protection:	IP-55
Suction:	2.5 m
Connection:	½" GAS (BSP)

### COMPONENTS

- › Check valve
- › Pressure switch with adjustable pressure

	Consumption	Bypass pressure	Lubricant viscosity	Fluids	
EA-88 0.37 kW with pressure switch	2-4 A	10 bar	200 cSt	⊕	031100000
EA-88 0.74 kW with pressure switch	4-6 A	35 bar	350 cSt	⊕	030800000

### Optional

① Pump support handle	030003001
② Vacuum gauge	803500020



## 01 / Self-suction gear pumps

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

⊕ LUBRICANT

## EA-90 12/24 VDC

20-25 l/min

0.37 kW

½" 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:	½" 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.)
- ⊕ 50 units / pallet  
(EUR-pallet)

	Consumption	Fluids	
EA-90 12 VDC	35-55 A	⊕	03014-CF00000
EA-90 24 VDC	20-32 A	⊕	03090-CF00000

01 /

## Self-suction gear pumps

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

 LUBRICANT

## EA-65 230 · 230/400 VAC

50-55 l/min

2.2 kW

F1 1/4" BSP

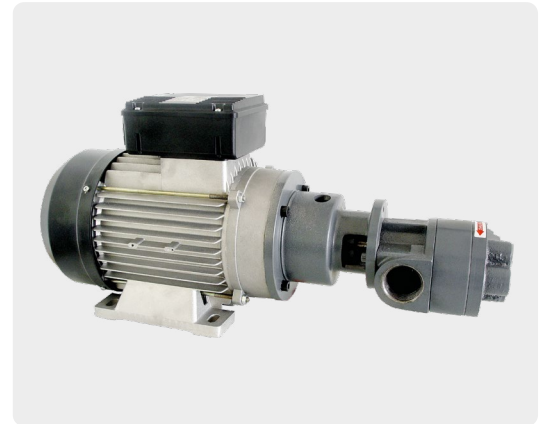
Self-suction gear pumps with recirculation bypass and thermal protector for lubricant with average/low density.

## TECHNICAL DATA

Free flow:	50-55 l/min
Motor:	2.2 kW self-ventilated
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



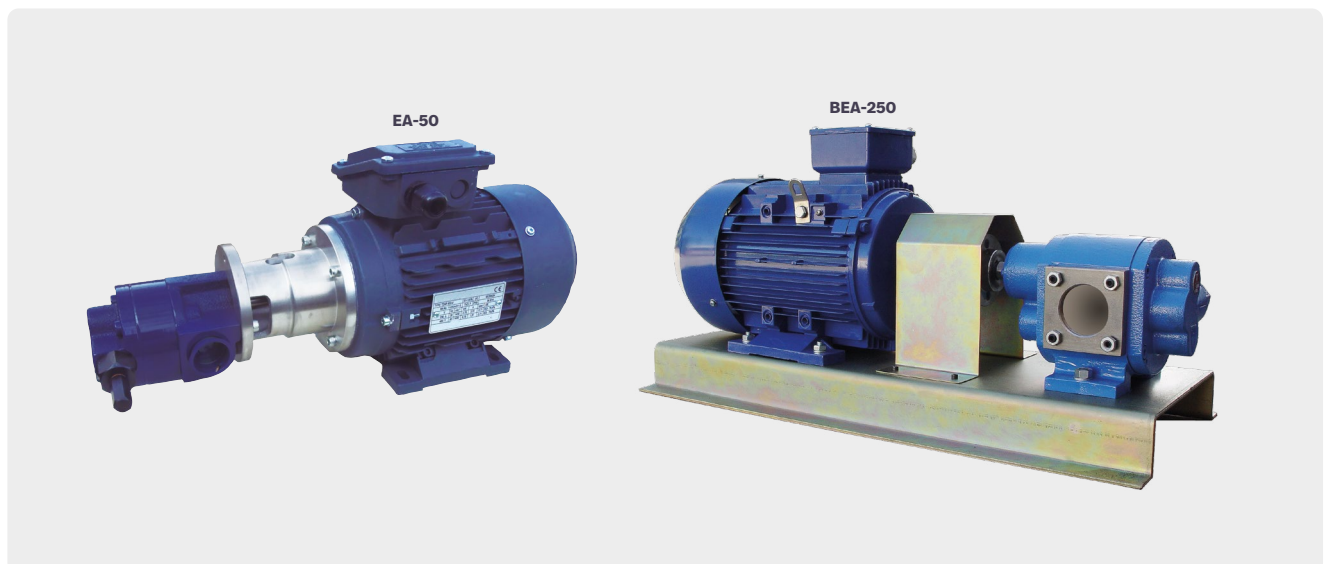
	Cable	Fluids	
EA-65 230 VAC · Single-phase	3 m		03040-CF00000
EA-65 230/400 VAC · Triphase	60 cm		030400300

## 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

P. 134 → Self-suction gear pumps







P. 143 → Electronic meters

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

 LUBRICANT


### COMPONENTS

- › 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		312000100
SEA-88 0.74 kW 230 VAC	EA-88 0.74 kW 230 VAC	MGE-40	300x270x220 mm	13.5 kg		312000200
SEA-90 0.37 kW 12 VDC	EA-90 0.37 kW 12 VDC	MGE-40	310x220x180 mm	9 kg		314700000
SEA-90 0.37 kW 24 VDC	EA-90 0.37 kW 24 VDC	MGE-40	310x220x180 mm	9 kg		315500000
SEA-65 2.2 kW 230 VAC	EA-65 2.2 kW 230 VAC	MGE-250	590x385x270 mm	33 kg		317600000
SEA-65 2.2 kW 230/400 VAC	EA-65 2.2 kW 230/400 VAC	MGE-250	590x385x270 mm	33 kg		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 nozzle-meter

LUBRICANT

## 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
- › 4 m R1 Ø½" delivery hose with adapters in both ends
- › 1 m Ø¾" 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	☺	206200000
KDE-200E 0.37 kW	MGE-40	☺	206300000
KDE-200 0.74 kW	No	☺	220100000
KDE-200E 0.74 kW	MGE-40	☺	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 Ø½" delivery hose with adapters in both ends
- › ¾" metallic suction tube kit · 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

	Meter	Fluids	
KEB1-200	No	☺	203300000
KEB1-200E	MGE-40	☺	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
- › 12 m R1 Ø½" delivery hose with adapters in both ends
- › ¾" metallic suction tube kit · 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	☺	203500000
KEBE-200E	MGE-40	☺	203600000



## 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 · 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
- › 6 m R1 Ø½" delivery hose with adapters in both ends
- › PG-40 manual nozzle or PMGE-40 electronic nozzle-meter with 60° rigid spout with non-drip valve
- › Universal support with nozzle hanger
- › TAC · Aluminium adapter plug

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



## 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 nozzle-meter

⊕ 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
- › 6 m R1 Ø½" delivery hose with adapters in both ends
- › PG-40 manual nozzle or PMGE-40 electronic nozzle-meter with 60° 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
- › ¾" metallic suction tube kit · height 1 m with filter built in

	Meter	Fluids	
KDE-1000 Sup. 0.37 kW	No	⊕	206400000
KDE-1000E Sup. 0.37 kW	MGE-40	⊕	202900000
KDE-1000 Sup. 0.74 kW	No	⊕	220200000
KDE-1000E Sup. 0.74 kW	MGE-40	⊕	206600000



## DAE-1000 · 1,000 L tank kit

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

### COMPONENTS

- › EA-88 0.74 kW 230 VAC pump
- › 10 m R1 Ø½" delivery hose
- › ¾" metallic suction tube kit · 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
- › 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	⊕	126900000



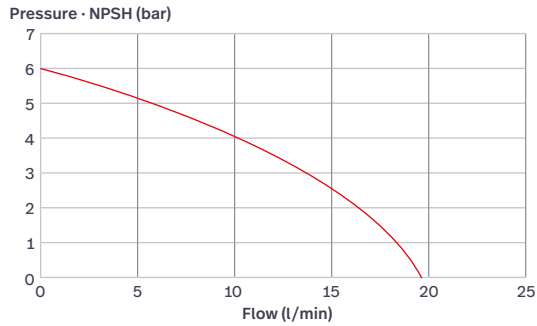
# 03 / Flow curves · Self-suction gear pumps

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

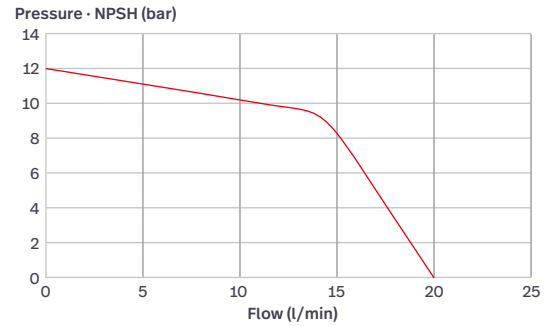
P. 135 → EA-90 12/24  
VDC

P. 136 → EA-65 230 ·  
230/400 VAC

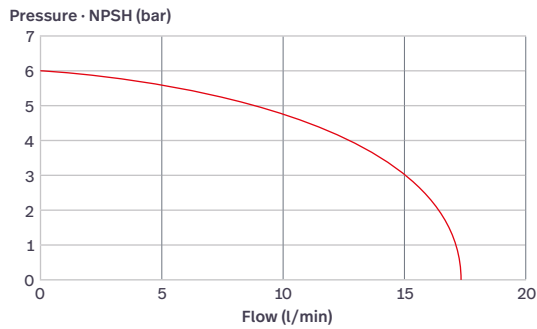
### EA-88 0.37 kW 230 VAC



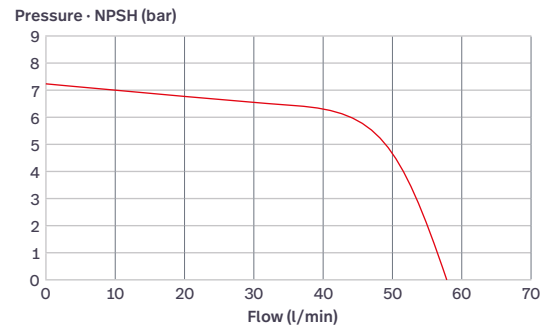
### EA-88 0.74 kW 230 VAC



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



### EA-65 2.2 kW 230 VAC



# 04 / High flow pumps

## BDP Lube

100-1,000 l/min

1 1/2"-4" BSP

2.5-3.5 bar

P. 42 → High flow meters





 LUBRICANT

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



### TECHNICAL DATA

<b>Operation:</b>	S1 continuous
<b>Motor speed:</b>	1,500 rpm
<b>Protection:</b>	IP-55
<b>Pressure:</b>	2.5-3.5 bar
<b>Connection:</b>	BSP thread or Welded flange

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

### Optional

① Prefilter

# 05 / Manual pumps



## 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
- › 1 1/2" or 2" connection adaptable to metallic drums from 50 to 200 litres

	Fluids	
BP-5 · Manual lever pump		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 · Outlet connection:** 1" · 3/4"

### COMPONENTS

- › 2.5 m Ø3/4" hose
- › Drum plug adjustable at 2"
- › 1 m Ø33.5" suction tube
- › Heavy-duty steel handle
- › Nozzle hanger

	Fluids	
BMP · Manual piston pump		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

### COMPONENTS

- › 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

	Fluids	
BRM-88 · Rotary aluminium pump		040300000



# 06 / Electronic meters

## MGE-40

Ⓢ DIESEL  
Ⓢ LUBRICANT

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:	±0.5%
Max. pressure:	50 bar
Ambient temperature:	-10 °C / +50 °C
Display integers and decimals:	999.99 / 999.9 / 99999
Totaliser:	99,999 (5 digits)
Connection:	F1/2" BSP (NPT available)
Dimensions (approx.):	85x60x85 mm
Net weight (approx.):	0.5 kg

### PACKAGING

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

### 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

	Diesel flow	Lubricant flow	Fluids	
MGE-40	2-50 l/min	2-40 l/min	Ⓢ Ⓢ	32350-CF00000


06 /  
Electronic  
meters

# MGE-110

5-80 l/min

±0.5% accuracy

1"

-  DIESEL
-  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**



<b>Accuracy:</b>	±0.5%
<b>Max. pressure:</b>	55 bar
<b>Ambient temperature:</b>	-10 °C / +50 °C
<b>Display integers and decimals:</b>	999.99 / 999.9 / 99999
<b>Totaliser:</b>	99,999 (5 digits)
<b>Connection:</b>	F1" BSP threads and flanges
<b>Dimensions (approx.):</b>	123x68x123 mm
<b>Net weight (approx.):</b>	0.85 kg

**PACKAGING**

-  147x85x140 mm  
LxWxH (approx.)
-  0.9 kg  
(approx.)
-  800 units / pallet  
(EUR-pallet)

**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

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

**Optional**

<b>①</b> F1" aluminium flange complete kit with DIN.933 hexagonal screw	800003036
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## MGE-250

10-150 l/min

±0.5% accuracy

1" o 1 1/2"

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 / 99999
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

- 180x180x180 mm  
LxWxH (approx.)
- 4 kg  
(approx.)
- 240 units / pallet  
(EUR-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"	⊕ ⊕	2.3 kg	32503-CF00000	32503-CF00003
MGE-250 · 1 1/2"	10-250 l/min	10-150 l/min	F1 1/2"	⊕ ⊕	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:	±0.5%
Max. pressure:	45 bar
Ambient temperature:	-10 °C / + 50 °C
Display integers and decimals:	999.99 / 999.9 / 99999
Totaliser:	99,999 (5 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  
LxWxH (approx.)
- 5 kg  
(approx.)
- 64 units / pallet  
(EUR-pallet)

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

06 /  
Electronic  
meters

⊕ DIESEL  
⊕ LUBRICANT

# 07 / Pulsers

 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:	±0.5%
Max. pressure:	50 bar
Temperature with Reeds:	-10 °C / +90 °C
Communication channels:	2 channels of 90° or 180°
Pulses:	100 pulses per litre and channel
Connection:	F1/2" 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.)
-  0.6 kg  
(approx.)
-  1,000 units / pallet  
(EUR-pallet)

MGI-40

Diesel flow	Lubricant flow	Fluids	
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° Reed
Pulses:	41 pulses per litre and channel
Connection:	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  
(EUR-pallet)

MGE/I-110

Diesel flow	Lubricant flow	Fluids	
5-110 l/min	10-80 l/min	 	32602-CF00000

## MGI-110 · MGI-250 · MGI-400

07 /  
Pulsers

5-300 l/min

±0.5% accuracy

1" · 1 ½" · 2"

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

Ⓢ DIESEL  
Ⓢ LUBRICANT



## TECHNICAL DATA

**Accuracy:** ±0.5%  
**Temperature with Reeds:** -10 °C / +90 °C  
**Communication channels:** 2 channels

## COMPONENTS

- › Aluminium body
- › 1.9 m cable

## PACKAGING

- Ⓢ MGI-110: 147x85x140 mm · MGI-250: 180x180x180 mm · MGI-400: 310x320x230 mm  
LxWxH (approx.)
- Ⓢ MGI-110: 0.9 kg · MGI-250: 4 kg · MGI-400: 5 kg (approx.)
- Ⓢ 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	Ⓢ Ⓢ 32650-CF00000
MGI-110 · 90° Reeds	5-110 l/min	5-80 l/min	55 bar	41	F1"	123x90x123 mm	0.85 kg	Ⓢ Ⓢ 32651-CF00000
MGI-110 · 90° Hall Effect	5-110 l/min	5-80 l/min	55 bar	41	F1"	123x90x123 mm	0.85 kg	Ⓢ Ⓢ 32660-CF00000
MGI-250 · 180° Reeds	10-250 l/min	10-150 l/min	45 bar	11	F1"	183x129x140 mm	2.3 kg	Ⓢ Ⓢ 32511-CF00000
MGI-250 · 180° Reeds	10-250 l/min	10-150 l/min	45 bar	11	F1 ½"	183x129x140 mm	2.5 kg	Ⓢ Ⓢ 32511-CF00001
MGI-400 · 180° Reeds	15-400 l/min	15-300 l/min	45 bar	5.5	F2"	183x174x140 mm	4.3 kg	Ⓢ Ⓢ 32581-CF00000

# 08 / Filters

## LUBRICANT

### York base filters

½" York base filter	802700004
¾" York base filter	802700005
1" York base filter	802700003
1 ¼" York base filter	802700002
1 ½" York base filter	802700001
2" York base filter	802700006

### 'Y' brass filters

½" 'Y' brass filter	802701006
¾" 'Y' 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)	660300200
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### FGR-25 heater filter

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

#### TECHNICAL DATA

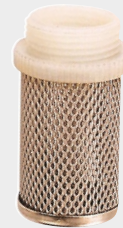
Flow:	82 l/min
Filtration range:	300 µm
Inlet · Outlet connection:	F1"

#### COMPONENTS

- › 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
- › Regenerating filtering stainless steel cartridge
- › Sealing with NB 100/70 DIN3535 Nitrile rubber joints

FGR-25 · Heater filter	660800000
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York base filter



'Y' brass filter



FUP-1 filter



FGR-25 heater filter



# 09 / 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 µm + 1 cartridge of 10 µm water absorbent)
- › SPIN-ON headings with 1 ¼" BSP inlet-outlet connections and 1 ½" 16 UN or 1 ¼" 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

 LUBRICANT

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

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

10-15 l/min

230 VAC

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


### TECHNICAL DATA

Flow:	10-15 l/min
Dimensions (approx.):	1,100x490x930 mm
Net weight (approx.):	75 kg

### COMPONENTS

- › EA-88 0.37 kW 230 VAC self-suction gear pump
- › 2x FG-300 microfilters (1 cartridge of 15 µm + 1 cartridge of 3 µm 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		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

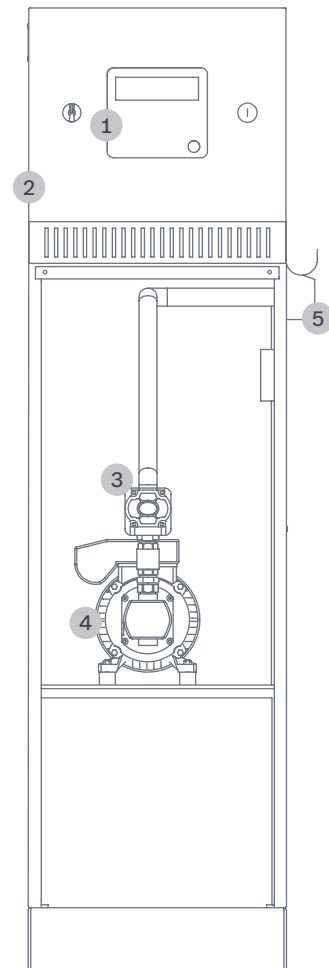
P. 154 → PG-40 ·  
Manual nozzle

P. 155 → Suction/  
delivery hoses

**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.**

## LUBRICANT

- 1 **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
- ② Protection sunshield

802700046

FE016001

# 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.



## 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

Optional











### TECHNICAL DATA

Free flow up to:	25 l/min
Pulser accuracy:	±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	-	 27313-CF00000
TOTEM Lube E	without pump	E	-	 273100000
TOTEM Lube GE	EA-88 0,74 kW 230 VAC	GE	-	 27311-CF00000
TOTEM Lube GE	without pump	GE	-	 27312-CF00000
TOTEM Lube K-60u	EA-88 0,74 kW 230 VAC	GK-7	GKSuite desktop software	 27321-CF00000
TOTEM Lube K-60u	without pump	GK-7	GKSuite desktop software	 273200000
TOTEM Lube Plus-60u	EA-88 0,74 kW 230 VAC	GK-7Plus	DieselPlus cloud software	 27330-CF00000
TOTEM Lube Plus-60u	without pump	GK-7Plus	DieselPlus cloud software	 27331-CF00000

# 11 / Supply control for workshops

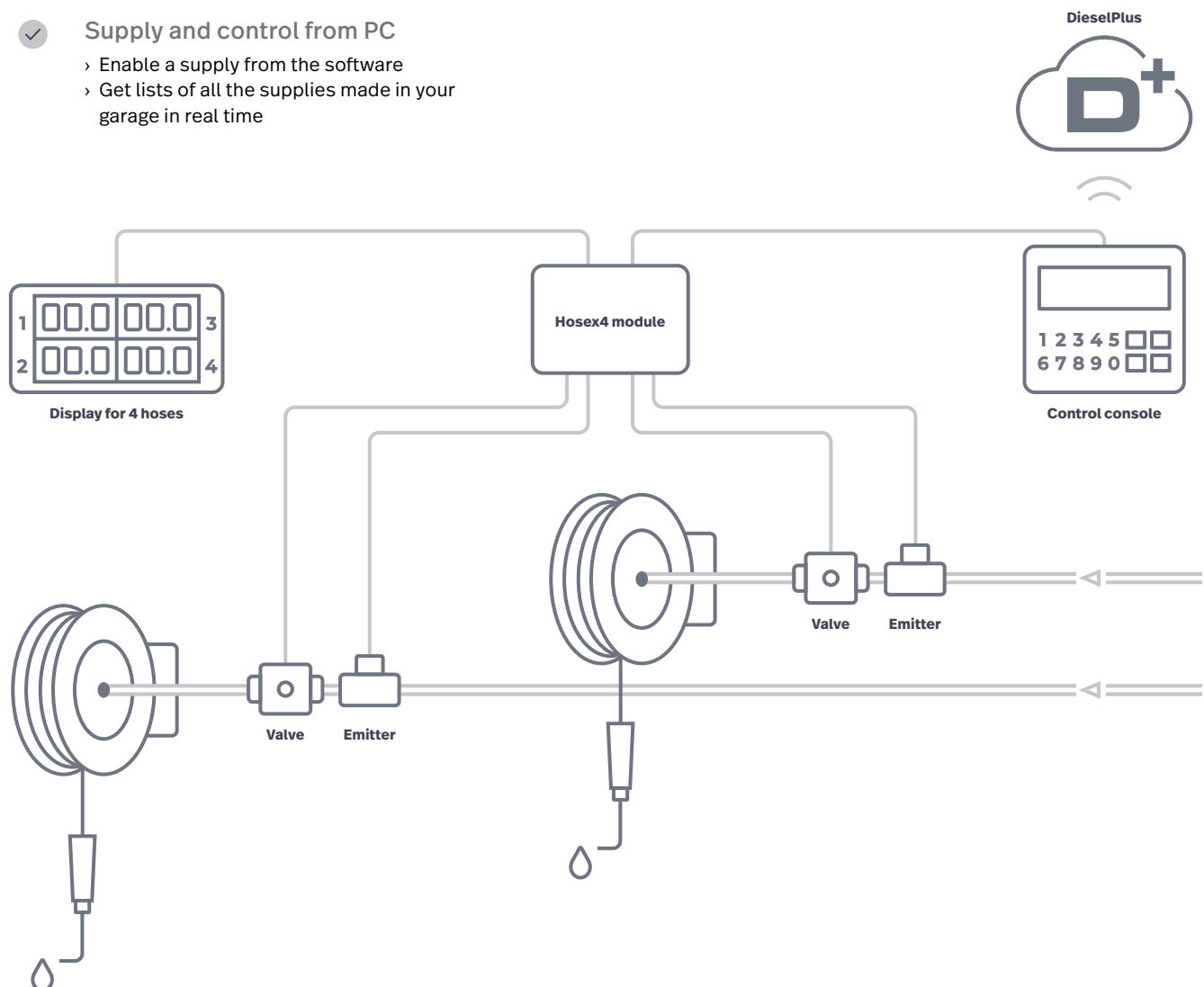
P. 40 → Electronic displays

P. 146 → MGI-40

 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

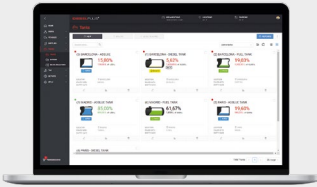


# Supply control for workshops

## 11 / Supply control for workshops

### COMPONENTS

#### DieselPlus



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

#### Controlle 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.

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

P. 167 → GK-7Plus &  
GK-7PlusM

P. 173 → DieselPlus  
Cloud Software

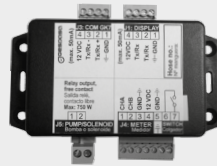
 LUBRICANT

#### 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 solenoid 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 embedded 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

## 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/min
Max. security pressure:	80 bar
Max. working pressure:	30 bar
Connection:	F $\frac{1}{2}$ "

PG-40	473502000
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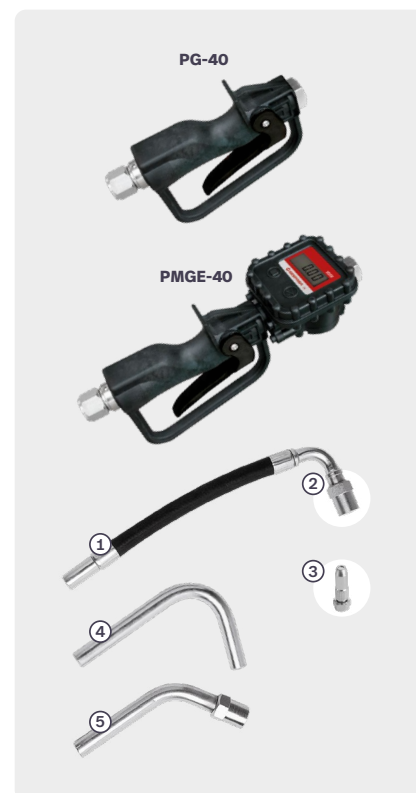
### PMGE-40 · Electronic nozzle-meter

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
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#### 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
⑤ 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
- › Flexible spout with automatic drip nipple

P-100	474300100
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# 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 M1/2" adapters in both ends	670001008
To put M3/4" 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

## 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

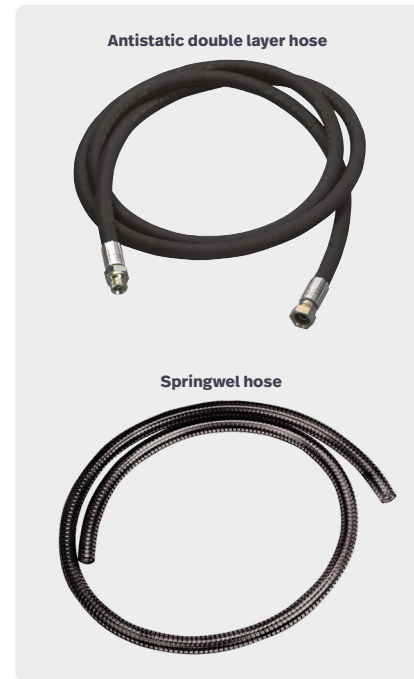
## Metallic tube suction kit with adapter plug

### COMPONENTS

- › 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

LUBRICANT



# 14 / Hose-reels

## 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 R3/4" hose. The retractable effect allows it to be taken up in the required length, improving its operation. Without hose.

#### COMPONENTS

- › MM3/4" connection

	Hose capacity	Ø	Pressure	
High capacity hose-reel	15 m	3/4"	160 bar	807301010



#### Optional

① Swinging bracket for hose-reel	240500000
0.8 m Ø1/2" 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
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## 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
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## 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
- › Built-in back platform for the assembly of a hose-reel

CE-200 trolley	686400100
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## 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.

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 wall support	800404020
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## 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

<b>Material:</b>	Zinc-plated sheet
<b>Dimensions (approx.):</b>	330x90x280 mm
<b>Weight (approx.):</b>	2 kg

### COMPONENTS

- › Nozzle hanger
- › Rubber protection
- › Drip pan

Universal support	800404259
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## 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
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## Bung adapters

### TECHNICAL DATA

<b>Top thread:</b>	M-64x4
<b>Lower thread:</b>	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

<b>Connection:</b>	F2" BSP thread
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4" F2" Adapter plug for 1,000 L tank	805204004
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## Adapter nut for 1,000 L tank

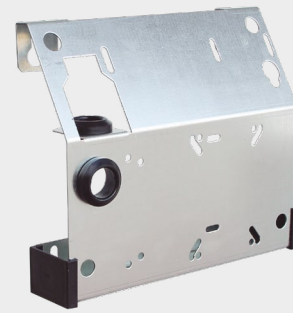
Nut to be assembled in the lower hole of the DP-1000LX polythene tank.

### TECHNICAL DATA

<b>Connection:</b>	MF3/4" BSP thread
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TAC-1000 · Adapter nut	807106003
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Universal support



Universal zinc-plated hook set



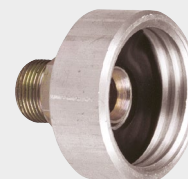
Bung adapters



Adapter plug for 1,000 L tank



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

 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)

Supply portico with 3 hose-reels	220400000
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## 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
- › 3 x 1/2" solenoid valves
- › 3 x supply electronic displays

Supply portico with 3 hose-reels + GK-7M	220500000
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## 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
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| Fleet controllers

# 01 / GK-7 & GK-7M own consumption controllers

**The GK-7 · GK-7M own consumption controllers allow you to manage all the supplies of your installation.**

**With communication to the desktop software GKSuite through a communication kit.**

- ✓ **Identification**
  - › Identification of users and/or vehicles through codes and/or identification keys
- ✓ **Volume preset**
  - › Supply with or without volume preset
- ✓ **Total control**
  - › With the controllers and the software GKSuite you can manage supplies, users, vehicles and levels of your tanks
- ✓ **Control from your PC**
  - › Consult and manage all the data through the GKSuite software installed on your PC
- ✓ **Communication kit**
  - › Transfer the data with a communication kit that suits the needs of your installation
- ✓ **Automatic communication**
  - › Transfer the data manually or configure GKSuite to communicate automatically



## GK-7 & GK-7M

Controllers with the GKSuite software. The GK-7 own consumption controller manages all the supplies of your dispenser through a communication kit. The GK-7M multi-hose consumption controller manages the supply of up to 16 dispensers via a communication kit.

## 01 / GK-7 & GK-7M own consumption controllers

P. 164 → GK-7  
communication kits

P. 168 → Memory and  
ID system options  
for GK-7 & GK-7Plus

P. 171 → GKSuite  
Desktop Software



### TECHNICAL DATA

**Voltage:** 230 VAC · 110 VAC · 12/24 VDC

### COMPONENTS

- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › iButton reader for user identification

	Dispensers to control	Dimensions (approx.)	Weight (approx.)	
GK-7 + Metal box	1	250x150x300 mm	4.15 kg	25334-CF00000
GK-7 + Metal cabinet	1	400x350x330 mm	17 kg	25130-CF00000
GK-7 + TOTEM	1	340x220x1,500 mm	35 kg	25136-CF00000
GK-7M + Metal box	up to 16	250x150x300 mm	4.15 kg	25335-CF00000
GK-7M + Metal cabinet	up to 16	400x350x330 mm	17 kg	25253-CF00000
GK-7M + TOTEM	up to 16	340x220x1,500 mm	35 kg	25250-CF00000

### Optional

① Hexagonal pedestal base	800400013
② Folding protection sunshield	FE016001
700 VA / 560 W ONLINE UPS	805001002

### GK-7 Optional

PC memory key converter	251208003
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### GK-7M Optional

③ Hose connection module (required to install a hose module for each hose to control)	252504000
④ Hose module with GE display	253400200
GK-7 (5-24 VDC) output signal adapter	251208079

# 02 / GK-7 communication kits

Choose a communication kit that includes the GKSuite software and the required converter to connect the GK-7 controller to your PC.

## GK-7 communication kits

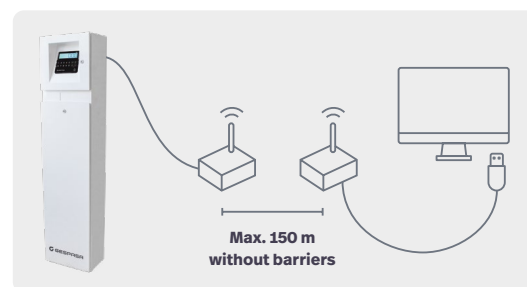
### ZIGBEE-USB (wireless)

It connects the dispenser via radio with a converter in the PC that is connected through a USB port.

**COMPONENTS**

- › ZigBee converter + ZigBee-USB + GKSuite SQL or C/S Software

ZIGBEE-USB (wireless) · SINGLE-POINT	257180000
ZIGBEE-USB (wireless) · CLIENT-SERVER	257600700



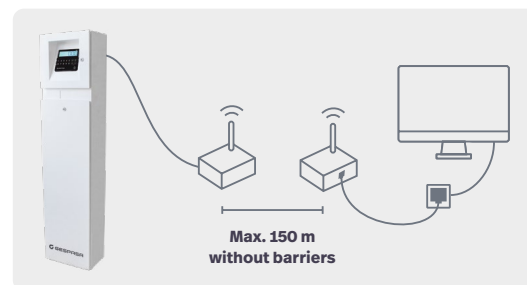
### ZIGBEE-ETHERNET (wireless)

It connects the dispenser via radio with an Ethernet converter that can be connected to any LAN port of the net.

**COMPONENTS**

- › ZigBee converter + ZigBee-Ethernet + GKSuite SQL or C/S Software

ZIGBEE-ETHERNET (wireless) · SINGLE-POINT	257190000
ZIGBEE-ETHERNET (wireless) · CLIENT-SERVER	257600500



### MEMORY KEY (iButton)

Place the key in the controller to automatically upload and load the data. PC connection through USB converter.

**COMPONENTS**

- › USB converter + Memory key + GKSuite SQL or C/S Software

MEMORY KEY (iButton) · SINGLE-POINT	257120000
MEMORY KEY (iButton) · CLIENT-SERVER	257600200



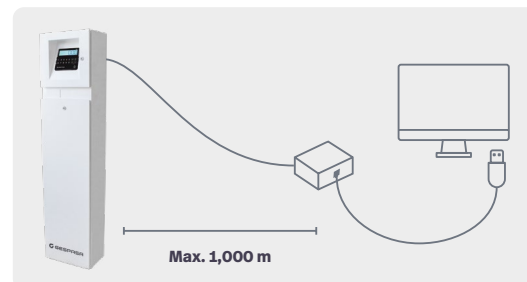
### USB cable

It is required a 4x0.25 mm communication cable between the PC and the controller.

**COMPONENTS**

- › 485/USB cable converter + GKSuite SQL or C/S Software

USB cable · SINGLE-POINT	257160000
USB cable · CLIENT-SERVER	257600100



## ETHERNET cable

It allows connecting the controller to the computing network as if it was another PC more in the installation. It allows the connection in Wi-Fi, VPN or WAN. It is required a 4x0.25 mm communication cable between the converter and the controller.

### COMPONENTS

- › ETHERNET converter + GKSuite SQL or C/S Software

ETHERNET cable · SINGLE-POINT	257130000
ETHERNET cable · CLIENT-SERVER	257600300

## GSM

The communication is made through SMS messages. A data SIM card must be installed in each and every one of the modems.

### COMPONENTS

- › GSM modem converter for the dispenser + GKSuite SQL or C/S Software
- › It is required to have a GSM modem in the PC. SIM card and modem not included.

GSM · SINGLE-POINT	257140000
GSM · CLIENT-SERVER	257600400
GSM modem converter for PC	251208020

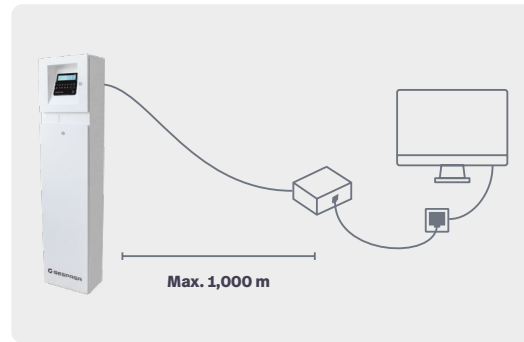
## DieselPlus memory key

It allows the controller connection to the DieselPlus cloud software. The iButton memory key is placed in the controller reader in order to automatically upload and load the data. PC connection through USB converter.

### COMPONENTS

- › USB converter + Memory key + 1 year DieselPlus Licence

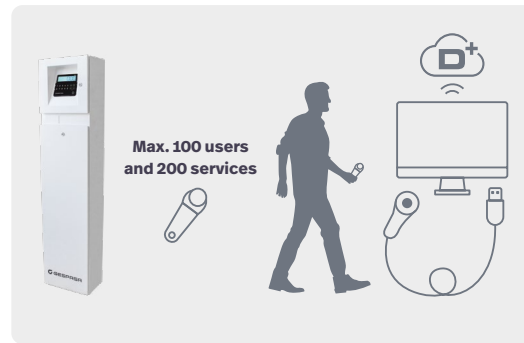
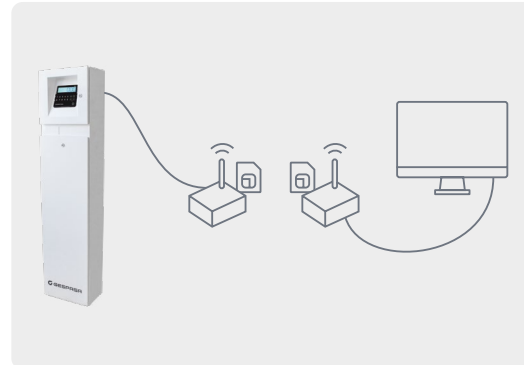
DIESELPLUS MEMORY KEY	257500000
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## 02 / GK-7 communication kits

P. 162 → GK-7 &  
GK-7M  
own consumption  
controllers

P. 171 → GKSuite  
Desktop Software



### GK-7 communication kits converters and accessories

GK-7 Identification key (pack of 10 units)	251201002
Memory key (red)	251201001
4x0.25 mm shielded cable (m)	800902001
CONTINET PG-9 protection tube (m)	807609004
GK-7 additional licence (multistation)	257150000
GK-7 C/S (client-server) additional licence	257600600
Memory key converter (it is used to identify the iButton identification keys in the PC)	251208003
485/USB cable converter	251208032
LAN/RS485 Ethernet converter	251208001
GSM/RS485 GK-7 converter	252208001
PC GSM converter	251208020
Set of 2 ZigBee-USB (wireless) converters	251208046
Set of 2 Zigbee-Ethernet (wireless) converters	251208047

# 03 / GK-7Plus & GK-7PlusM own consumption controllers

**The GK-7Plus · GK-7PlusM own consumption controllers allow you to manage your installation. Totally online, in a centralised way. With automatic and wireless communication to the DieselPlus cloud software.**

- ✓ **Identification**
  - › Identification of users and/or vehicles through codes and/or identification key
- ✓ **Volume preset**
  - › Supply with or without volume preset
- ✓ **Total control**
  - › With the controllers and the DieselPlus cloud software you can manage supplies, users, vehicles and levels of your tanks
- ✓ **Anytime, anywhere**
  - › Consult and manage all the data totally online with the DieselPlus cloud software
- ✓ **Wireless**
  - › Wireless communication to PC · M2M · «on demand» management software
- ✓ **Automatic communication**
  - › The equipment communicates each supply directly to DieselPlus cloud software



## GK-7Plus & GK-7PlusM

Controller with the DieselPlus cloud software without any additional communication kit. The GK-7Plus own consumption controller manages all the supplies of one dispenser. The GK-7Plus M multi-hose own consumption controller manages the supplies of up to 16 dispensers.

03 /  
GK-7Plus & GK-7PlusM  
own  
consumption  
controllers

P. 168 → Memory and ID system options for GK-7 & GK-7Plus

P. 173 → DieselPlus Cloud Software



### TECHNICAL DATA

**Voltage:** 230 VAC · 110 VAC · 12/24 VDC

### COMPONENTS

- › Keypad that allows to preset the amount to be supplied and to introduce the user identification code
- › iButton reader for user identification

	Dispensers to control	Dimensions (approx.)	Weight (approx.)	
GK-7Plus + Metal box	1	250x150x310 mm	4.15 kg	25336-CF00000
GK-7Plus + Metal cabinet	1	400x350x340 mm	17 kg	25133-CF00000
GK-7Plus + TOTEM	1	340x220x1,510 mm	35 kg	25139-CF00000
GK-7PlusM + Metal box	up to 16	250x150x310 mm	4.15 kg	25337-CF00000
GK-7PlusM + Metal cabinet	up to 16	400x350x340 mm	17 kg	25280-CF00000
GK-7PlusM + TOTEM	up to 16	340x220x1,510 mm	35 kg	25283-CF00000

### Optional

① Hexagonal pedestal base	800400013
② Folding protection sunshield	FE016001
Thermal ticket printer interna (for metal cabinet and TOTEM models)	FE006002
700 VA / 560 W ONLINE UPS	805001002

### GK-7Plus Optional

PC memory key converter	251208003
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### GK-7PlusM Optional

③ Hose connection module (required to install a hose module for each hose to control)	252504000
④ Hose module with GE display	253400200
GK-7 (5-24 VDC) output signal adapter	251208079

# 04 / Memory and ID system options for GK-7 & GK-7Plus

These options of memory and ID systems are available for all the controllers and dispensers with GK-7 or GK-7Plus display. The memory of 60 users/vehicles and the identification key reader (iButton) are already included in the equipment.



## Options of user/vehicle memory

Memory of 60 users/vehicles · 200 services (GK-7) · 1,000 services (GK-7Plus)	Included
Memory of 130 users/vehicles · 500 services (GK-7) · 1,000 services (GK-7Plus)	FE007002
Memory of 1,000 users/vehicles · 1,000 services	FE007003

## iButton ID system

Identification key reader (iButton)	Included
GK-7 identification key (pack of 10 units)	251201002

## Other ID systems

Proximity card reader (RFID)	FE017002
Magnetic card reader	FE017003
TAG reader with spiral cable	FE017004
TAG wireless reader	FE017005
Proximity card	803304015
Magnetic card	251201004
TAG fixed disc identifier	251201006
TAG keyring identifier	251201005

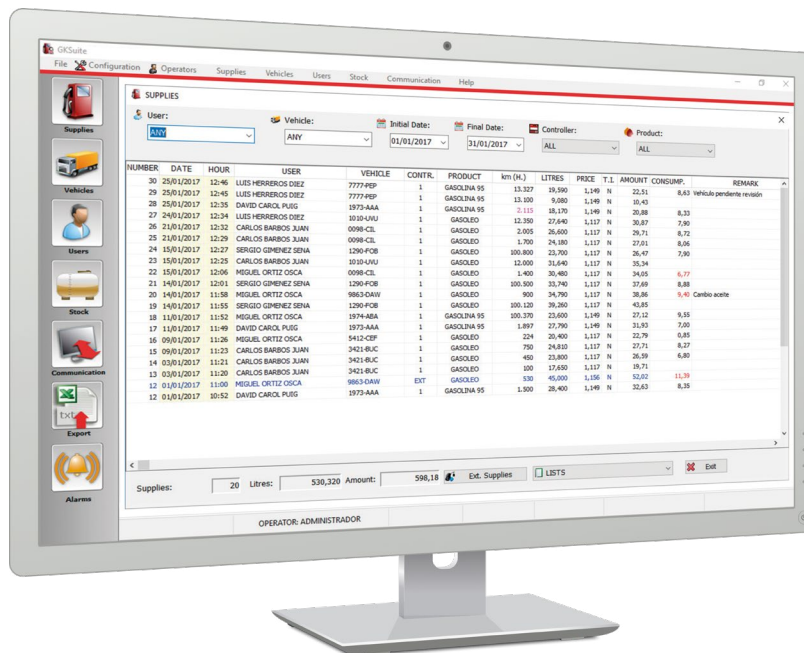
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Software

# 01 / GKSuite

**GKSuite is the desktop software for the management of supplies, users, vehicles and levels of your tanks. Access the software from your PC or server and control the supplies and levels of your installation.**

- ✓ **Automatic communication**
  - › Bidirectional communication that can be made manually or automatically
- ✓ **Communication kit**
  - › Required a communication kit for the connection of the controller to GKSuite
- ✓ **Manage your fleet and tanks**
  - › Consult and manage all the data from the software installed on your PC or server



## GK SUITE

# GKSuite Desktop Software

01 /  
GKSuite

P. 168 → Memory and  
ID system options  
for GK-7 & GK-7Plus

## FUNCTIONALITIES

### Stock control

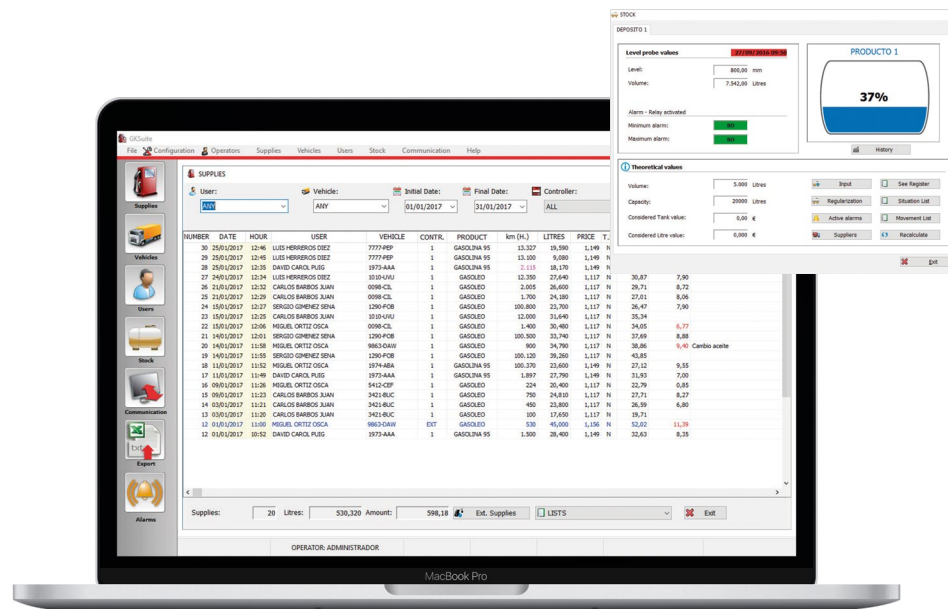
Consult the litres in the tank and their cost. View the theoretical level or the real one installing the Genius level indicator.

### Client-server version

The GKSuite C/S version is prepared for its installation on a server to allow simultaneous access by different users.

### Integrations

It is possible to access other software (ERP, PowerBI, ODBC, etc.) to the GKSuite C/S database without any API database.



## OPTIONS AND TOOLS

### Alarm configuration



Configure warnings for irregular use, programmed actions, when the minimum level has been reached, when the tank has been filled or other indicators you need.

### Supply list and reports



Lists of the supplies and their real cost. Customise them by user, vehicle or group. All the data can be exported to files with \*.csv or \*.txt format.

### Users, vehicles and operators



Establish a hierarchical level of users with restricted accesses and privileges. Assign limits, regular consumption or fluids to be supplied to the vehicle or user.

GKSuite Software Licence

257100000

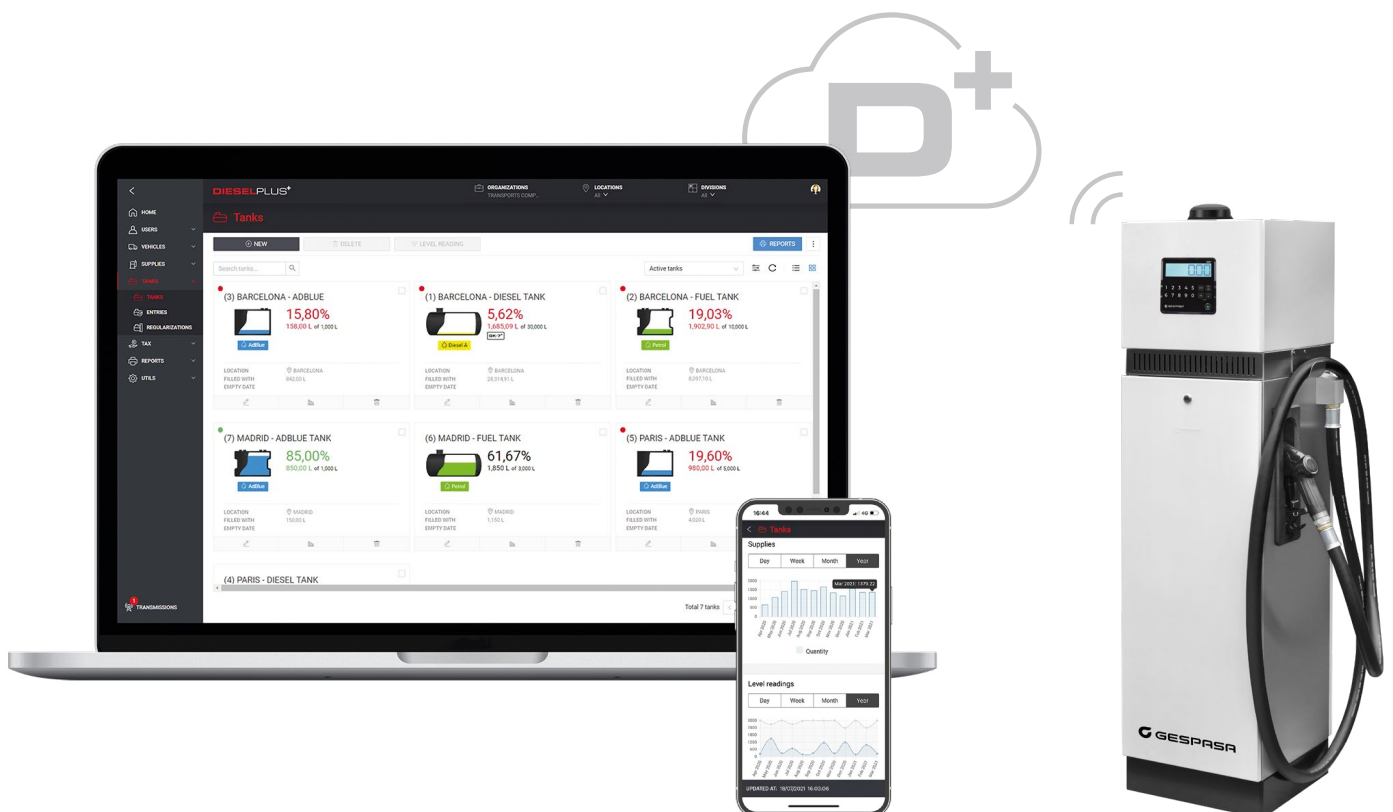
GKSuite C/S (client-server) Multiuser Software Licence

257600000

# 02 / DieselPlus

**DieselPlus is the cloud software for the management of supplies, users, vehicles and levels of your tanks. Access the software from any device with Internet connection and have total control of the supplies and levels of any type of fluid.**

- ✓ **Automatic and wireless**
  - › Wireless installation and communication M2M with the DieselPlus servers
- ✓ **Any type of supply**
  - › Control the supplies and levels of any type of fluid or granular solid
- ✓ **Total control of your fleet and tanks**
  - › Access the software anytime and anywhere from any device with Internet connection



# DieselPlus Cloud Software

02 /  
DieselPlus

## FUNCTIONALITIES

### Control of supplies

Manage all the supplies and levels of any type of fluid or granular solid on your installation, workshop or mobile kit. Control installations placed in different geographical zones and remotely access the dispenser to start a supply.

### Tank levels

Control the level of your tanks from any device with an Internet connection. Connect our tank level gauges to DieselPlus to check your tank levels anywhere, anytime. Configure alarms and tasks so you do not run out of fuel.

### Consumption control

Find out the exact consumption of your vehicles by integrating your geolocators in DieselPlus and detect irregularities. The software will get the mileages done during the supply and will calculate the consumption.

### Integrations

Manage your fleet from your own ERP or accounting system. The DieselPlus API synchronises the DieselPlus information with your software automatically, without any manual exportation.

**DIESELPLUS<sup>+</sup>**

The image illustrates the DieselPlus software ecosystem. At the top, a desktop monitor shows the web interface with a table of supply data. Below the monitor is the DieselPlus logo. Underneath the logo are three smartphones displaying the DieselPlus mobile app interface, showing tank levels and consumption data. At the bottom is a diagram showing the DieselPlus API connecting to SAP, Oracle, and Microsoft Dynamics 365.

02 /  
DieselPlus

## OPTIONS AND TOOLS

## Alarm and task configuration



Program tasks and notes so that DieselPlus warns you via email. Configure warnings by date or mileages, by fillings or emptyings and irregular consumptions.

## Reports



Discharge lists and statistics for an easy interpretation and export them in \*.pdf, \*.csv or \*.txt. Automatically receive the lists you require in your email.

## Access control based on roles



Establish a hierarchical level of users with restricted accesses and privileges: administrator, end user... Each user is able to access only the assigned tasks.

## Additional fields



Do you want to know the number plate related to a supply? Define which questions the dispenser should make and DieselPlus will create the additional fields.

## Remote access to the dispenser



Start a supply remotely from any device with Internet connection.

## Geocator integration



Find out the consumption of each vehicle and detect irregularities by integrating your geolocators in DieselPlus. The software will calculate the consumption.

## Safe data



Any data is automatically sent to the DieselPlus servers, minimising risks of losing data because of a breakdown in the dispenser or the IT equipment of the end user.

## Automatic updates

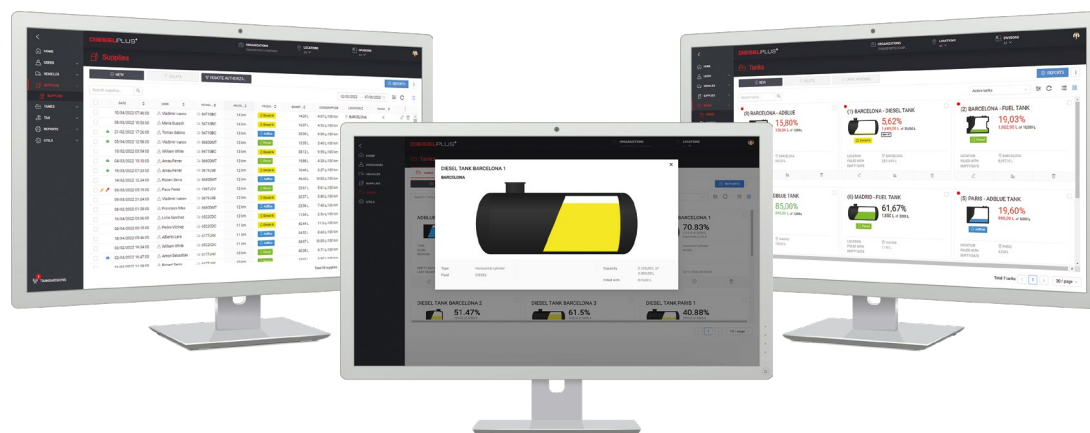


The last software version is always available without any intervention or additional cost.

## Online and phone help



Solve any doubt in a personalised way with our technical department.



	Years of validity	Max. users	
60-user annual DieselPlus licence	1	60	670500000
130-user annual DieselPlus licence	1	130	670500100
1,000-user annual DieselPlus licence	1	1,000	670500200
60-user 5-year DieselPlus licence	5	60	670500300
130-user 5-year DieselPlus licence	5	130	670500400
1,000-user 5-year DieselPlus licence	5	1,000	670500500

| Level gauges

# 01 / Genius

P. 173 → DieselPlus  
Cloud Software

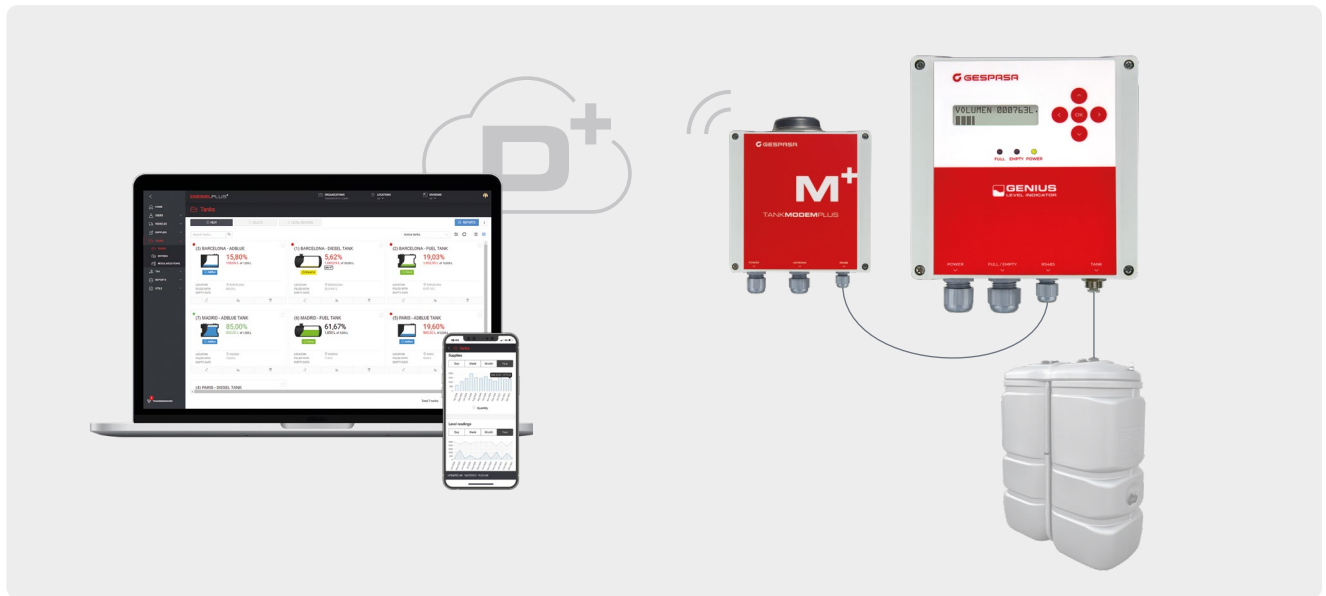
P. 177 → Tank Modem  
Plus Kit

## Genius level indicator

GKSuite · DieselPlus

1% accuracy (in height)

Level monitor in atmospheric tanks. Suitable for liquid with a maximum viscosity of 30 cSt. The level measurement is made by measuring the static pressure of the liquid height through a tube into the tank.



### TECHNICAL DATA

<b>Accuracy:</b>	1% (in height)
<b>Resolution:</b>	5 mm
<b>Max. tank height:</b>	4 m
<b>Level reading:</b>	in height (mm or inches) or volume (litres or gallons)
<b>Protection:</b>	IP-55
<b>Power:</b>	230 VAC · 110 VAC · 12-32 VDC
<b>Communication to external device:</b>	via MODBUS RTU
<b>Connection to DieselPlus via RS-485 cable:</b>	up to 16 Genius connected to the same Tank Modem Plus
<b>Connection to GKSuite:</b>	with a communication kit (USB cable, Ethernet cable, ZigBee-USB or ZigBee-Ethernet)

### COMPONENTS

- › Control unit with LCD display and 5-key keyboard to access the kit menu
- › Indicator set with full tank alarm, empty tank alarm and power
- › 10 m of tube (extending at 50 m maximum) of Ø6 mm with Ø25 mm weight
- › Cable 230 VAC 50/60 Hz · 110 VAC · 15-32 VDC
- › Connection cable of the two outputs for full or overfilled tank alarm and empty or minimum level
- › RS-485 communication cable
- › Acoustic alarm in its inner of 90 dB and 2,400 Hz

Genius 15-32 VDC (suitable for diesel and other non-corrosive fluids)	25737-CF00003
Genius 110 VAC (suitable for diesel and other non-corrosive fluids)	25737-CF00006
Genius 230 VAC (suitable for diesel and other non-corrosive fluids)	25737-CF00000
Genius-Inox 230 VAC (suitable for AdBlue/DEF or Phytosanitary fluids)	25737-CF00002
Genius-Lube 230 VAC (suitable for lubricant with 30-1,000 cSt viscosity)	25737-CF00001

# 02 / Tank Modem Plus Kit

## Tank Modem Plus Kit

GPRS communication

automatic & wireless

Communication kit that connects the Genius level indicator and other compatible gauges with the DieselPlus cloud software. The communication with the software is automatic and wireless through GPRS communication.



P. 173 → DieselPlus Cloud Software

P. 176 → Genius level indicator

P. 179 → ATG Ex level gauge

P. 180 → Radar level gauge

P. 181 → TLC-485

P. 182 → TLC-Bluetooth Ex

### TECHNICAL DATA

**Voltage:** 230 VAC  
**Output for gauge connection:** RS485  
**Connection to DieselPlus via GPRS:** automatic and wireless communication

### COMPONENTS

- › Antenna
- › Support
- › SIM (compatibility with your country should be checked)

### COMPATIBLE KITS

- › Genius level indicator
- › ATG Ex level gauge
- › Radar level gauge
- › TLC-485
- › TLC-Bluetooth Ex
- › Other popular gauge models

Tank Modem Plus Kit (antenna + support + SIM) · 110/230 V	258000000
Tank Modem Plus Kit (antenna + support + SIM) · 12/24 V	258000100
Tank Modem Plus software annual licence	670800000

### Optional

485/USB cable converter (required to configure the modem locally when remote communication is not possible)	251208032
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# 03 / Dolphin

P. 173 → DieselPlus  
Cloud Software

## Dolphin gauge

GPRS communication

±1% accuracy

automatic & wireless

Level gauge that automatically measures the level fluid of your tank and automatically sends the data to the DieselPlus cloud software. Easy, quick and wireless installation thanks to its compact design and internal battery.



### TECHNICAL DATA

<b>Accuracy:</b>	± 1% mm (in the level tank height)
<b>Standard resolution:</b>	5 mm
<b>Measuring range:</b>	100-4,000 mm
<b>Reading frequency:</b>	1 transmission per hour
<b>Power supply:</b>	3.6 V lithium battery
<b>Protection:</b>	IP-65
<b>Working temperature:</b>	-10 °C / +50 °C
<b>Installation:</b>	2" M thread or 4-screw fixation
<b>Connection to DieselPlus via GPRS:</b>	automatic and wireless communication
<b>Dimensions (approx.):</b>	100x100x215 mm
<b>Weight (approx.):</b>	0.4 kg

### COMPONENTS

- › Internal lithium battery of easy user-replacement 4-year estimated life

GPRS Dolphin gauge	258200300
Dolphin DieselPlus annual licence	670800500

04 /  
ATG

## ATG Ex level gauge

communication via RS-485 cable

±0.5 mm accuracy

P. 173 → DieselPlus  
Cloud SoftwareP. 177 → Tank Modem  
Plus Kit

Level gauge that detects the level of water and fuel. Suitable for all type of fuel without float change. Measurement by magnetostrictive technology. It calculates the product level, the water presence and the product temperature.



### TECHNICAL DATA

Accuracy:	±0.5 mm
Standard resolution:	±0.01 mm
Temperature accuracy:	± 0.5 °C
Power supply:	9-30 VDC (via an external power supply)
ATEX Category:	Ex db IIB T6 Ga/Gb · Ex tb IIIC T85 °C Db
Working temperature:	-20 °C / +60 °C
Connection:	2"
Measure range:	500 - 5,500 mm
Connection to DieselPlus via RS-485 cable:	up to 16 gauges connected to the same Tank Modem Plus

### COMPONENTS

- › 1 fuel float
- › 1 water float
- › 2" riser or adjustable connection to the tank
- › Explosionproof stainless steel IP-68 rated case

### ATG Exd level gauge (customised size)

Tank Modem Plus Kit (antenna + support + SIM) · 110/230 V	258000000
Tank Modem Plus Kit (antenna + support + SIM) · 12/24 V	258000100
Tank Modem Plus software annual licence	670800000

### Optional

485/USB cable converter (required to configure the modem locally when remote communication is not possible)	251208032
Power supply IN 100-240 VAC* > OUT 12 VDC ( required to connect more than one gauge to the same modem)	802501004

# 05 / Radar level gauge

P. 173 → DieselPlus  
Cloud Software

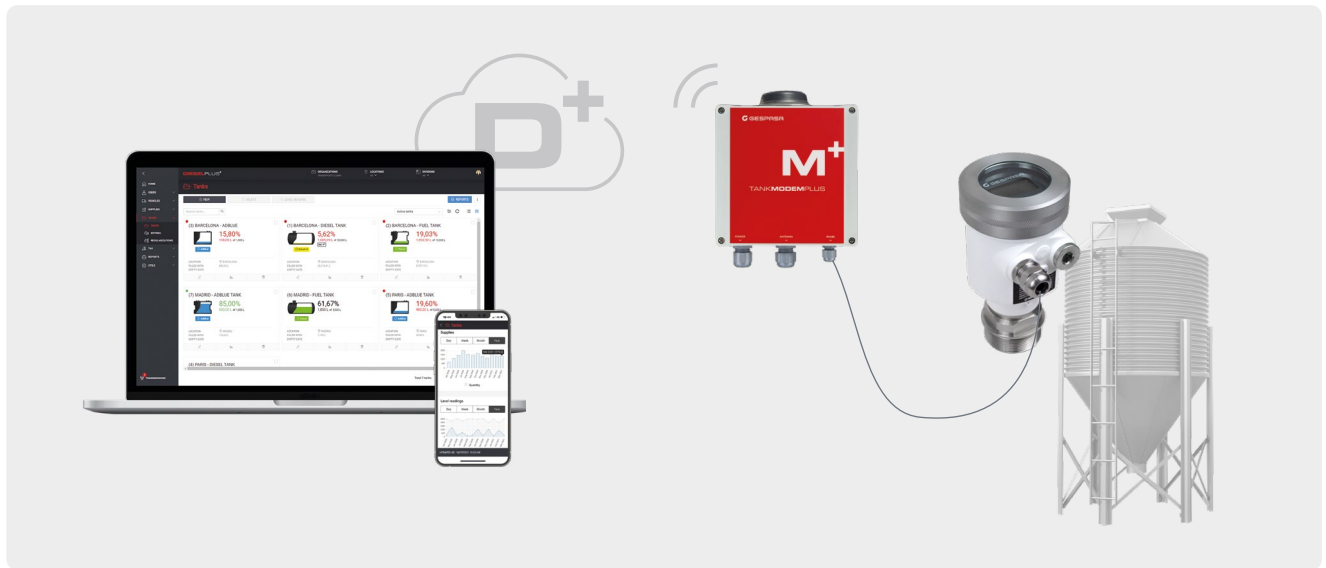
P. 177 → Tank Modem  
Plus Kit

## Radar level gauge

communication via RS-485 cable

±2 mm accuracy

Level gauge for large height tanks. Valid for fluids and granular solids. Ideal for level measurement in water treatment and for maintenance-free use on small bulk silos. Measurement by radar signal.



### TECHNICAL DATA

Accuracy:	±2 mm
Measuring range:	up to 15 m
Voltage:	8-30 VDC
Protection:	IP-66 / IP-68
Ambient temperature:	-40 °C / +80 °C
Output signal:	digital signal according to EIA-485 normative
Data protocol:	2-thread Modbus
Bottom / top thread:	M1 ½" BSP / M1" BSP
Pressure:	-1 +3 bar
Connection to DieselPlus via RS-485 cable:	up to 16 gauges connected to the same Tank Modem Plus

### COMPONENTS

- › Gauge
- › 4-thread axial cable output

1 ½" 15 m · Radal level gauge	25834-CF00000
1 ½" · 15 m · ATEX Radar level gauge	25834-CF00002
Tank Modem Plus Kit (antenna + support + SIM) · 110/230 V	258000000
Tank Modem Plus Kit (antenna + support + SIM) · 12/24 V	258000100
Tank Modem Plus software annual licence	670800000

### Optional

485/USB cable converter (required to configure the modem locally when remote communication is not possible)	251208032
F1½" aluminium flange (screw fixation)	808316048
Power supply IN 100-240 VAC > OUT 12 VDC ( required to connect more than one gauge to the same modem)	802501004

# 06 / Tank Level Control

## TLC-485

communication via RS-485 cable

±0.2 - +1% accuracy

P. 173 → DieselPlus  
Cloud Software

P. 177 → Tank Modem  
Plus Kit

Level gauge for mobile or static tanks. Ideal for the measurement of the fuel volume in vehicle tanks or fixed installations. Its level sensor allows to determine the current volume and its changes.



### TECHNICAL DATA

Accuracy fixed tanks or parked vehicles:	±0.2 %
Accuracy for vehicles in motion:	±1 %
Voltage:	10-45 V
Protection:	IP-55
Working temperature:	-30 °C / +80 °C
Overload protection:	up to 100 V
Connection to DieselPlus via RS-485 cable:	up to 4 gauges connected to the same Tank Modem Plus
Max. length pipe:	1,000 m
Weight (approx.):	1 kg (according to length)

### COMPONENTS

- › Gauge with measuring pipe that can be shortened or extended
- › Assembly kit: fuses, joints, screws, connector, sealings to avoid the gauge manipulation, bottom spring and mesh filter

TLC-485 · Level Gauge · RS-485 · L = 1,000 mm	25830-CF00000
Tank Modem Plus Kit (antenna + support + SIM) · 110/230 V	258000000
Tank Modem Plus Kit (antenna + support + SIM) · 12/24 V	258000100
Tank Modem Plus software annual licence	670800000

### Optional

TLC 1,000 mm · additional section	258308000
485/USB cable converter (required to configure the modem locally when remote communication is not possible)	251208032

06 /

Tank Level  
ControlP. 173 → DieselPlus  
Cloud SoftwareP. 177 → Tank Modem  
Plus Kit

## TLC-Bluetooth Ex

communication via Bluetooth

±0.2 - +1% accuracy

Level gauge for mobile or static tanks with ATEX certificate. Ideal for the measurement of the fuel volumen in vehicle tanks or fixed installations. Its level sensor allows to determine the current volume and its changes.



## TECHNICAL DATA

Accuracy:	±0.2 %
Accuracy for vehicles in motion:	±1 %
Bluetooth sensor/receiver max. distance:	20 m
Protection:	IP-55
Working temperature:	-30 °C / +80 °C
Overload protection:	up to 100 V
Communication:	Bluetooth 4.1
Connection to DieselPlus via Bluetooth:	up to 16 gauges connected to the same Tank Modem Plus
Max. length pipe:	1,000 m
Weight (approx.):	1 kg (according to length)

## COMPONENTS

- › Gauge with measuring pipe that can be shortened or extended
- › Assembly kit: fuses, joints, screws, connector, sealings to avoid the gauge manipulation, bottom spring and mesh filter

TLC-Bluetooth Ex · Level Gauge · L = 1,000 mm	25833-CF00000
Bluetooth Tank Modem Plus Kit (antenna + support + SIM) · 12/24 V	258300700
Bluetooth Tank Modem Plus Kit (antenna + support + SIM) · 110/230 V	258300600
Tank Modem Plus Annual Licence	670800000

## Optional

TLC 1,000 mm · additional section	258308000
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# 07 / Level detectors and indicators

## Level indicator

Tank fuel height gauge suitable for aerial tanks with a diameter not higher than 2,000 mm. Weatherproof and easy assembly. It does not need any maintenance.

### COMPONENTS

- › Float to put into the tank joined to the indicator through a thread
- › Indicator expressed in centimetres
- › Two scales easy exchangeable: one for heights of 150 cm and one for 250 cm
- › Easily accessible maximum/minimum position adjustment

1 1/2" level indicator	801901001
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## Acoustic overfilling alarm

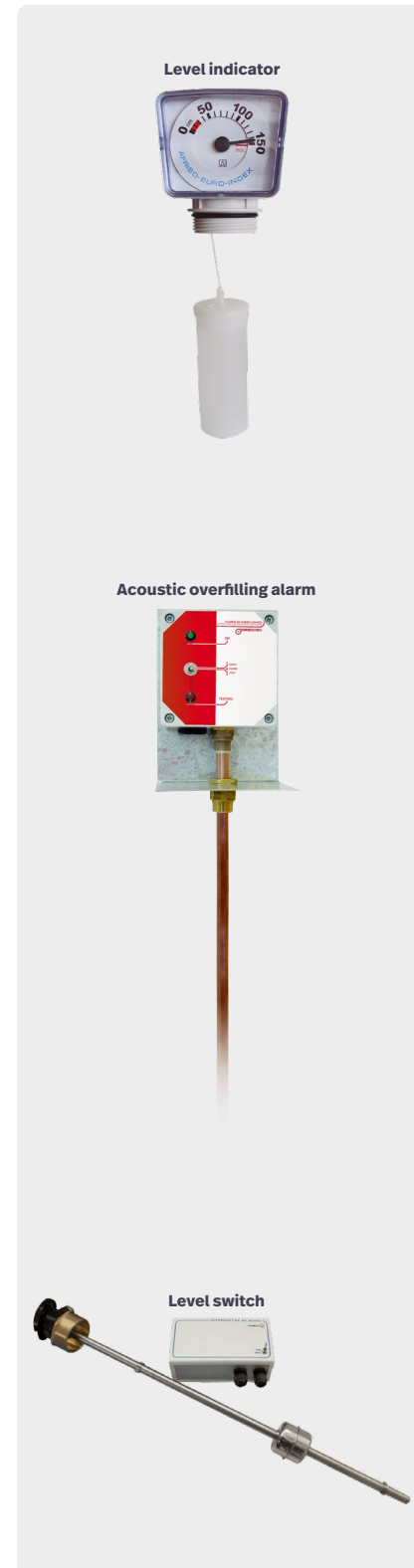
Luminous and acoustic alarm of the maximum tank level of any liquid fluid, water, diesel, etc. It is suitable for the tank filling warning up to a predetermined level.

Acoustic overfilling alarm	801904008
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## Level switch

Custom-built switch that allows the automated control of the filling and emptying of one or more tanks. It can activate or control pumps, electrovalves, optical and acoustic alarms.

Max. Min. Level switch IP-55	808316042
Max. Min. Level switch EExd	808316005



## 07 /

Level detectors  
and indicators

## Leak detector

Security and control system that links the easiness with the usefulness. It detects the presence of liquid with its infrared sensor, activating or deactivating the device.

## TECHNICAL DATA

<b>Inlet:</b>	110 to 230 VAC
<b>Max. consumption:</b>	10 mA
<b>Max. intensity in relay:</b>	8 A

## COMPONENTS

- › Free voltage relay
- › Visual alarm (red LED · 5 mm)
- › Starting Visualization (green LED · 5 mm)

Leak detector	808302007
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## Vacuum leak detector

Detector for the integrally-banded tanks according to the EN 13160-1, Class 1 Regulation. Suitable for diesel buried and aerial tanks in an atmospheric pressure with a diameter not higher than 2,900 mm. It creates a depression of -400 mbar between the inner wall and the exterior one of the tank. The alarm activates when the depression decreases.

## TECHNICAL DATA

<b>Acoustic emission:</b>	min. 70 db(A)
<b>Max. relay intensity:</b>	2 A · 250 VAC (resistive)
<b>Pump stop:</b>	-410 to -450 mbar
<b>Pump start:</b>	-380 mbar
<b>Alarm activation:</b>	-325 to -355 mbar
<b>Working temperature:</b>	-5 °C / + 50 °C
<b>Voltage:</b>	100 - 240 VAC ±10 %
<b>Power:</b>	10 VA
<b>Protection:</b>	IP-30
<b>Electromagnetic compatibility:</b>	EN 61000 noise immunity · CISPR22 interference
<b>Dimensions (approx.):</b>	202x70x230 mm
<b>Net weight (approx.):</b>	1.1 kg

DFV · Vacuum leak detector	808302006
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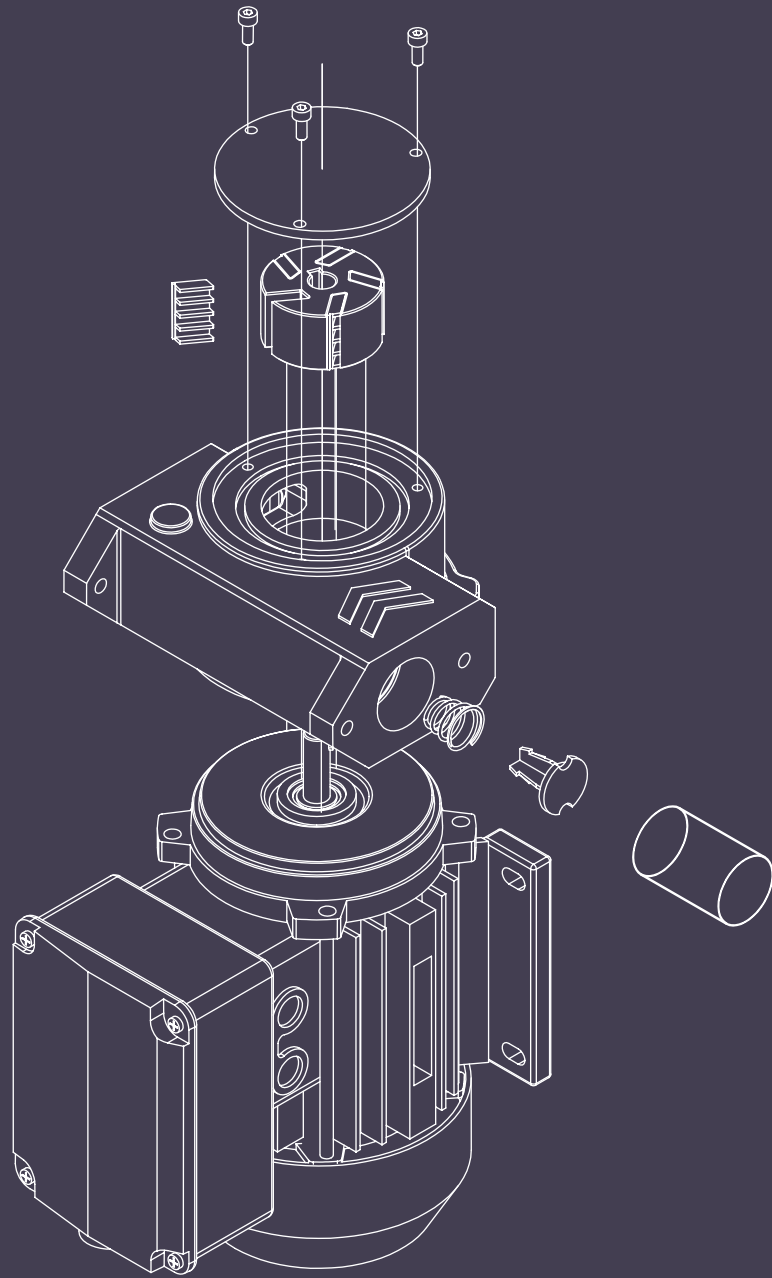
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in our website



Partida Horta d'Amunt s/n  
25600 Balaguer (Lleida) · Spain

T +34 973 451 072  
gespasa@gespasa.es

[www.gespasa.es](http://www.gespasa.es)



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