



## **General Catalogue**

Transfer, Filtering,  
Measurement & Control



## **General Catalogue**

Transfer, Filtering,  
Measurement & Control

## Our company

**05** Our company

## Fuel

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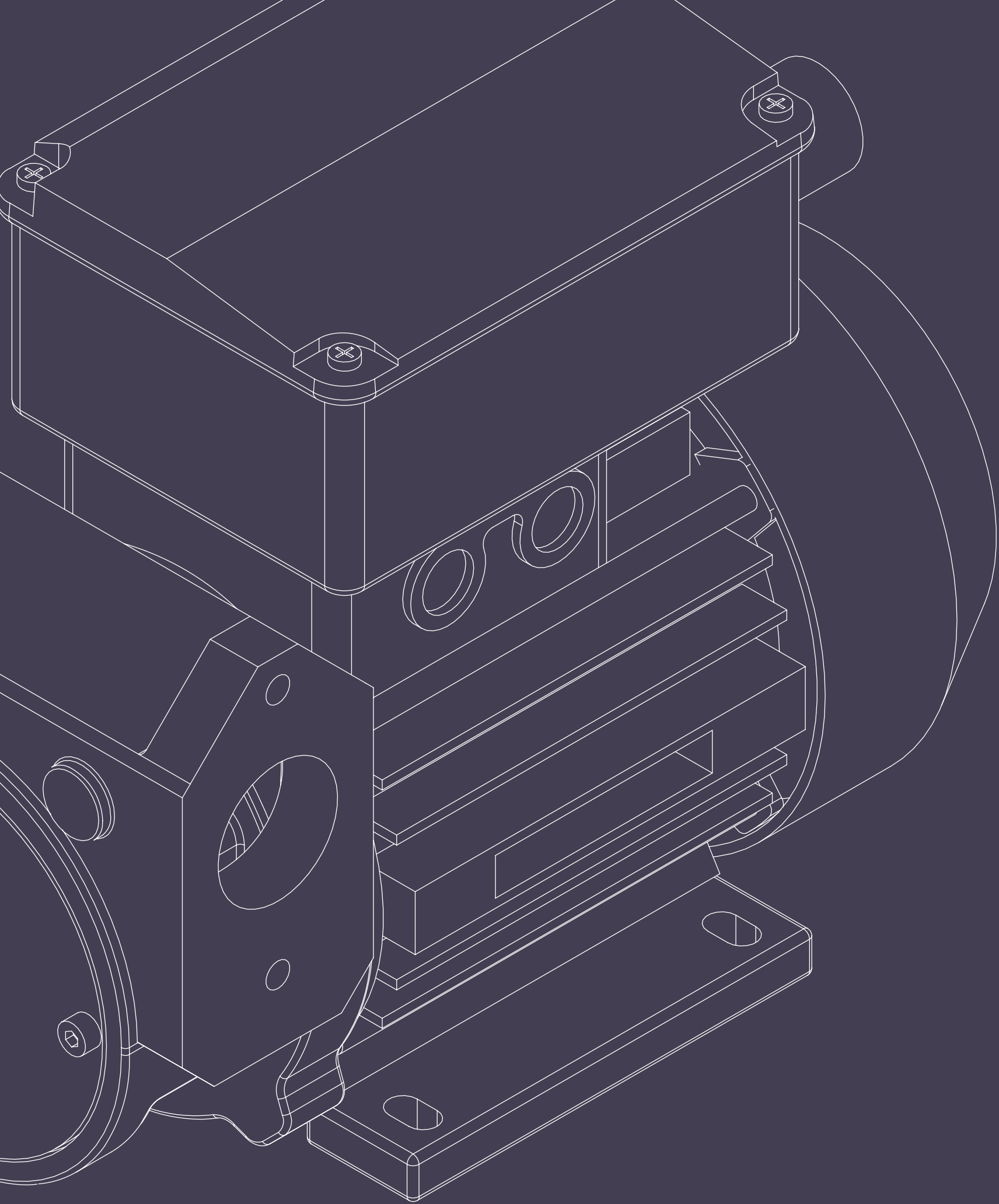
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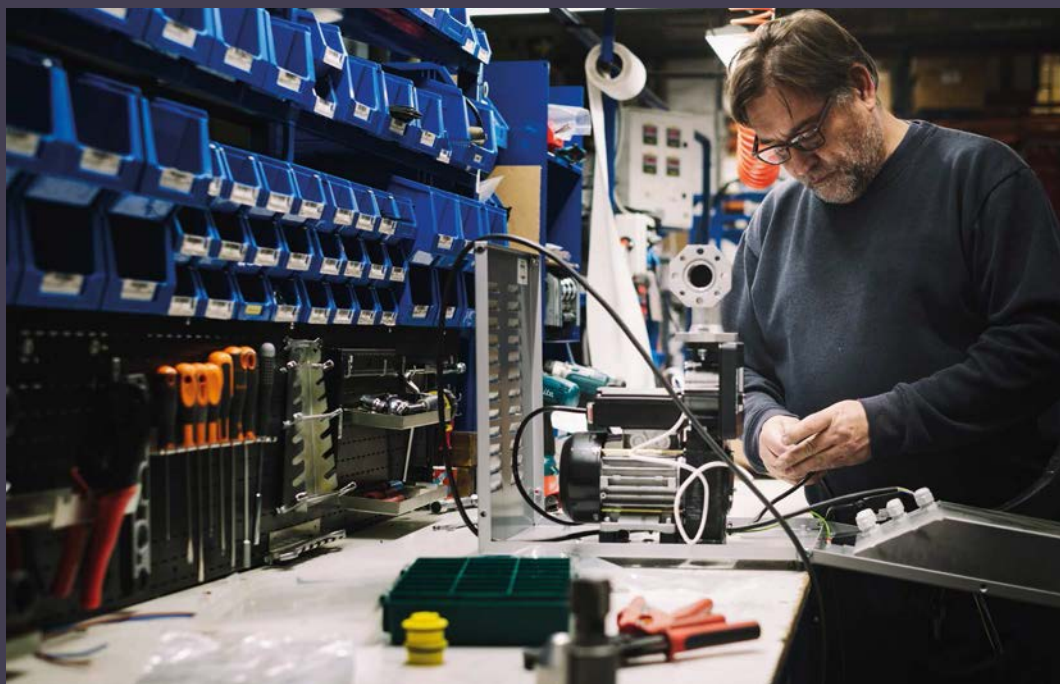
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# Proudly pumping → since 1974

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.



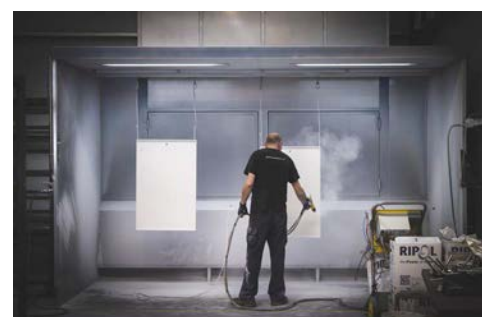
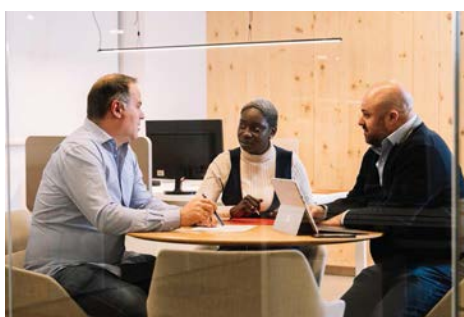
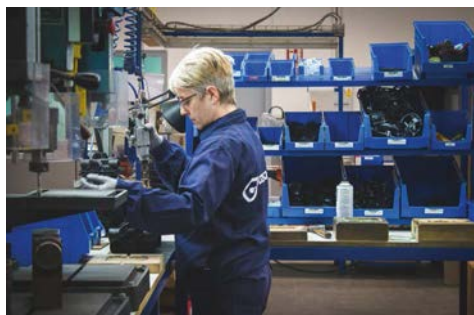


Designed and manufactured  
→ in Spain



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.





## 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

- Ⓢ DIESEL
- Ⓢ BIODIESEL

## IRON-50 110/230 VAC

50 l/min

0.25 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:                | 0.25 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                                |

PACKAGING

|                                    |
|------------------------------------|
| 180x240x260 mm<br>LxWxH (approx.)  |
| 9.1 kg<br>(approx.)                |
| 100 units / pallet<br>(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       | Ⓢ      | 00192-CF00000 |
| IRON-50 230 VAC                | 1.2-2 A     | Ⓢ      | 00190-CF00000 |
| IRON-50 230 VAC · VITON · B100 | 1.2-2 A     | Ⓢ      | 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 |
|-----------------------------------------------------|-----------|

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 |
|-----------------------------------------------------|-----------|

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 |
|---------------------------------------------|---------------|

# 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 | Ⓢ      | 27531-CF00000 |

# 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

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

### COMPONENTS

- › 3 m cable
- › ON/OFF switch

### PACKAGING

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

|                    | 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 |
|-------------------------------------------------------------|-----------|

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 |
|-------------------------------------------------------------|-----------|



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

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 |
|-------------------------------------------------------------|-----------|



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  
pumpsP. 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

|                       |                               |
|-----------------------|-------------------------------|
| Free flow:            | 150 l/min                     |
| EExd Motor:           | 1 kW                          |
| Operation:            | S1 continuous                 |
| Motor speed:          | 1,410 rpm                     |
| Protection:           | IP-55                         |
| ATEX Category:        | II 2G EExd IIB T3             |
| Connection:           | F1 ½" BSP threads and flanges |
| Dimensions (approx.): | 390x515x235 mm                |
| Net weight (approx.): | 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 | Ⓢ      | 275300000     |

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

|                |                        |
|----------------|------------------------|
| Free flow:     | 260 l/min              |
| EExd Motor:    | 1+1 kW                 |
| Operation:     | S1 continuous          |
| Motor speed:   | 1,410 rpm              |
| Protection:    | IP-55                  |
| ATEX Category: | II 2G EExd IIB T3      |
| Connection:    | 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 & 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  
kitsP. 10 → Diesel self-  
suction pumpsP. 14 → Self-suction  
explosionproof pumpsP. 32 → Mechanical  
meters

P. 35 → MGE-110

P. 88 → Manual &  
automatic nozzlesP. 99 → Bases for the  
supply kitsP. 91 → Metallic tube  
suction kits

Ⓢ DIESEL

Ⓢ PETROL

## Kits with metallic base no. 4

50-100 l/min

12/24 VDC · 110/230 VAC

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



## 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 |
| ① 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  
kitsP. 10 → Diesel self-  
suction pumpsP. 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

- 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

Ⓢ DIESEL

Kit Equipe · Kits with outdoor cabinet

50-100 l/min

12/24 VDC · 110/230 VAC

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



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  |
|-------------------|-----------------|--------------------|---------|--------|----------------|---------------|
| Kit Equipe        | IRON-50 230 VAC | Yes                | AS-5B   | Ⓢ      | 55051-CF00000  | 55050-CF00000 |
| S-50 230 V kit    | IRON-50 230 VAC | No                 | AS-5P   | Ⓢ      | 55111-CF00000  | 55110-CF00000 |
| S-75 230 V kit    | IRON-75 230 VAC | No                 | AS-5P   | Ⓢ      | 55251-CF00000  | 55250-CF00000 |
| SAG-100 230 V kit | 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.



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)

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

|                         | Pump           | Nozzle         | Suction | Fluids |               |
|-------------------------|----------------|----------------|---------|--------|---------------|
| Diesel battery kit 12 V | IRON-50 12 VDC | PSF-040 manual | No      | ⓪      | 14193-CF00000 |
| Diesel battery kit 24 V | IRON-50 24 VDC | PSF-040 manual | No      | ⓪      | 14193-CF00001 |

# 04 / Flow curves · Self-suction pumps

P. 10 → IRON-50  
110/230 VAC

P. 11 → IRON-50  
12/24 VDC

P. 11 → IRON-75  
230 VAC

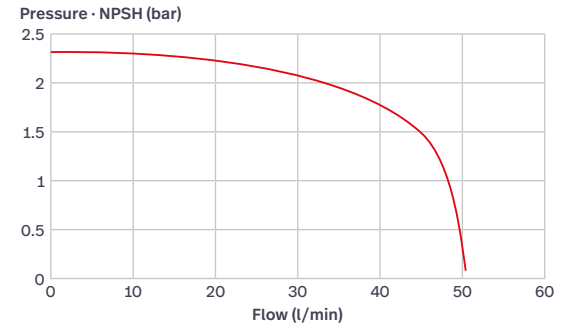
P. 17 → Kits without  
base

## IRON-50 110/230 VAC

### EQUIVALENCES CHART

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

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

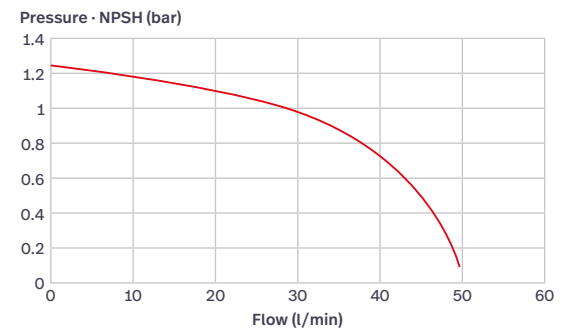


## IRON-50 12/24 VDC

### EQUIVALENCES CHART

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

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

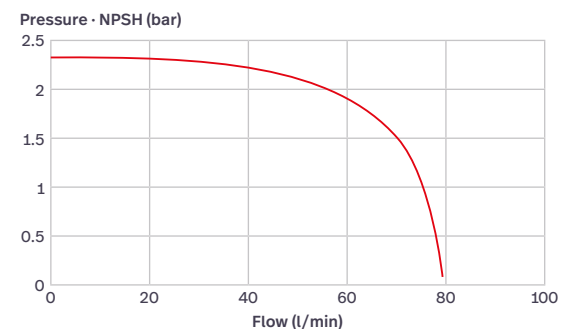


## IRON-75 230 VAC

### EQUIVALENCES CHART

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

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



AG-90 12/24 VDC

EQUIVALENCES CHART

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

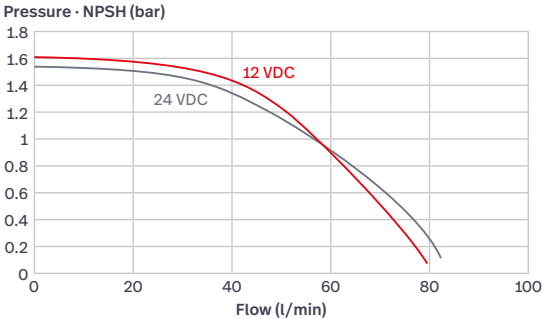
Connection: 1" · Suction: 2.7 m 1 ½" · Delivery: 4 m 1 ¼"

AG-100 230 VAC

EQUIVALENCES CHART

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

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



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

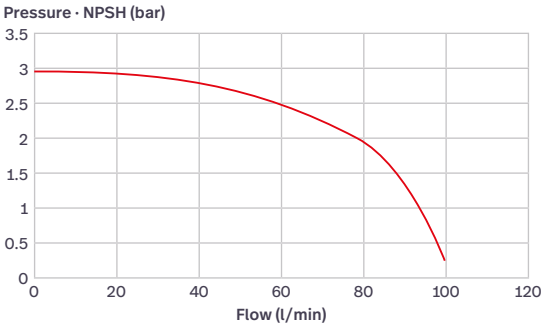
P. 14 → IRON-45 Ex  
110/230 VAC · 12/24  
VDC

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

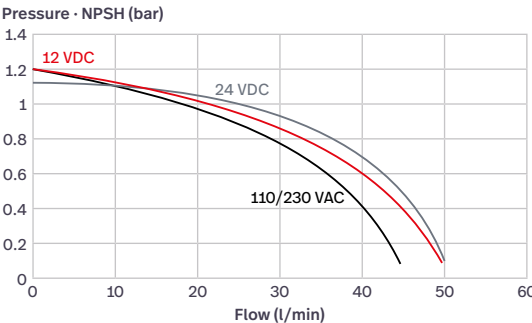
P. 15 → AG-800  
110/230 VAC · AG-900  
12 VDC

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

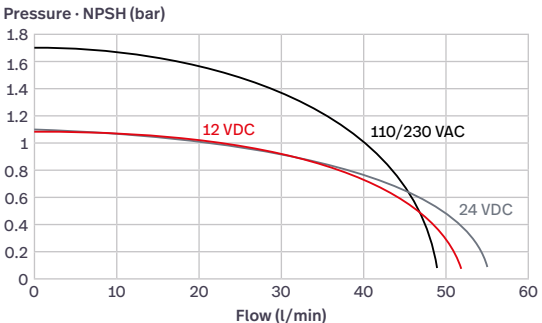
P. 17 → Kits without  
base



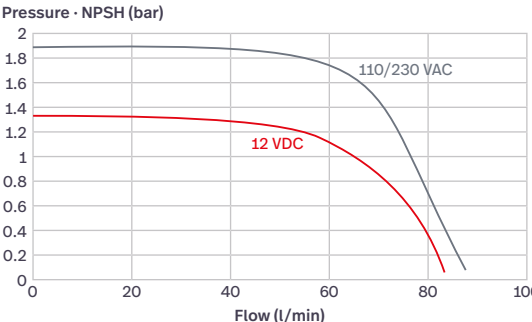
IRON-45 Ex 110/230 VAC · 12/24 VDC



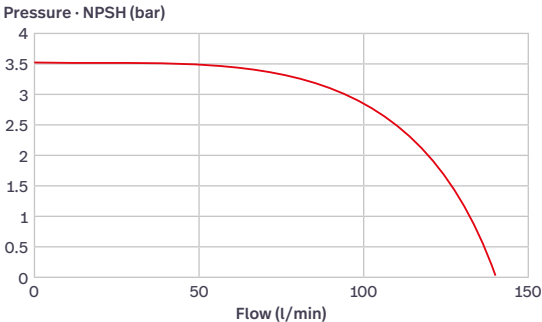
IRON-50 Ex 110/230 VAC · 12/24 VDC



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

|                |                               |
|----------------|-------------------------------|
| Operation:     | S1 continuous                 |
| Motor speed:   | 1,500 rpm                     |
| Protection:    | IP-55                         |
| Pressure:      | 2.5-5 bar                     |
| ATEX Category: | EExd IICT5 (only EExd models) |
| Connection:    | 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



06 /  
Centrifugal  
pumps

- ⊕ DIESEL
- ⊕ PETROL

|                         | 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 |

CG-900HD 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:            | 900 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-900HD Ex 230 VAC     | 13.1 A      | ⊕ ⊕    | 10200-CF00000 |
| CG-900HD Ex 230/400 VAC | 8.3-4.8 A   | ⊕ ⊕    | 10201-CF00000 |

# 07 / Manual pumps & drill pump



## 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.

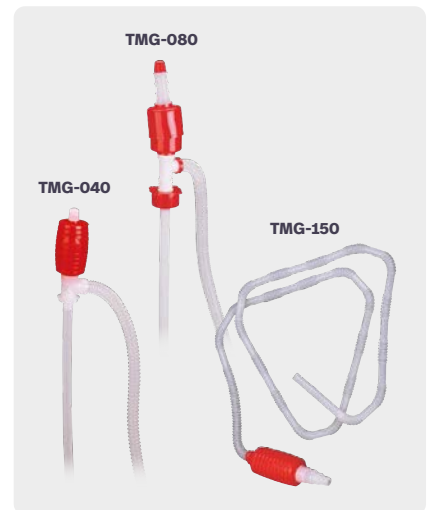
### TECHNICAL DATA

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" 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 fo the drum fixation
- › Aluminium die casting steel handle

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



07 /  
Manual pumps &  
drill pump

P. 32 → MG-80

P. 33 → MG-80A ·  
MG-84A

- ⊕ DIESEL
- ⊕ PETROL

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 |

08 / Mechanical meters

P. 97 → Accessories

- Ⓢ DIESEL
- Ⓢ PETROL
- Ⓢ ADBLUE / DEF
- Ⓢ WATER

MG-80

15-90 l/min

±1% accuracy

1"

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" BSP · 3 inlets and 2 outlets                               |
| Dimensions (approx.): | 150x150x170 mm                                                |
| Net weight (approx.): | 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        |
|-----------------------|--------|---------------|---------------|
| MG-80                 | Ⓢ Ⓢ Ⓢ  | 32000-CF00000 | 32000-CF00010 |
| MG-80V · Viton joints | Ⓢ Ⓢ    | 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

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                                                                                                                                                                      | Litres        | US GAL        |
|--------|-------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|
| MGE-40 | 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

|                                                                |           |
|----------------------------------------------------------------|-----------|
| F1" aluminium flange complete kit with DIN.933 hexagonal screw | 800003036 |
|----------------------------------------------------------------|-----------|

## 09 /

Electronic  
meters

- Ⓐ DIESEL  
Ⓑ LUBRICANT  
Ⓒ BIODIESEL

## 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.

### 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

|        | Diesel flow | Lubricant flow | Fluids |           |
|--------|-------------|----------------|--------|-----------|
| MGI-40 | 2-50 l/min  | 2-40 l/min     |        | 322800100 |

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 ½"

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 ½" 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 ½" | 10-250 l/min | 10-150 l/min   | F1 ½" 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<br> | 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<br>5-110 l/min | Lubricant flow<br>10-80 l/min | Connection<br>F1" BSP | Fluids<br> | 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 / 999.9 / 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 (90º or 180º) |
| 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



11 /  
Electronic  
displays

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

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

6 digits                      preset & 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 (90º or 180º) |
| 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 dessager and prefilter

12 /  
High flow meters

25-3,000 l/min ±0.2% accuracy

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

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

Ⓢ DIESEL  
Ⓢ PETROL  
Ⓢ BIODIESEL

## 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   | 805600005      |
| 2" Check valve   | 805600006   | 805601006      |
| 2 ½" Check valve | 805600007   | 805601007      |
| 3" Check valve   | 805600008   | 805601008      |

## Multivalent vessel filter

|                              |           |
|------------------------------|-----------|
| 1" Multivalent vessel filter | 802704003 |
|------------------------------|-----------|

## Aluminium vessel filter

|                                        |           |
|----------------------------------------|-----------|
| Aluminium vessel filter · 5 bar · FF½" | 802702001 |
|----------------------------------------|-----------|

## FUP-1 filter

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

## Foot filter

|             |           |
|-------------|-----------|
| Foot filter | 660200000 |
|-------------|-----------|

## Transparent vessel filter

|                                |           |
|--------------------------------|-----------|
| FF¾" Transparent vessel filter | 802705001 |
|--------------------------------|-----------|

## '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
- ⓪

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

- 📦

190x220x330 mm  
LxWxH (approx.)
- ⚖️

2.7 kg  
(approx.)
- 🚚

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 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

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

|                             |                 |
|-----------------------------|-----------------|
| Transfer capacity:          | 70 l/min        |
| Max. working pressure:      | 3.4 bar         |
| Max. differential pressure: | 1.7 bar         |
| Connection:                 | F1" BSP         |
| Dimensions (approx.):       | 101x93.4x280 mm |
| Net weight (approx.):       | 2.27 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

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

14 /  
Filters

P. 50 → Cartridge  
spares

P. 50 → Metallic  
cabinets for  
microfilters

- ⓪ 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

- ⓪ DIESEL
- ⓪ PETROL
- ⓪ 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

P. 49 → FG-300 ·  
FG-450

P. 50 → Cartridge  
spares

- Ⓢ DIESEL
- Ⓢ PETROL
- Ⓢ BIODIESEL

FG-1000 · FG-1400

1,000 · 1,400 l/min

3" · 4"



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  
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

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 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

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

P. 49 → FG-300 ·  
FG-450

P. 50 → Cartridge  
spares

- Ⓢ DIESEL
- Ⓢ PETROL
- Ⓢ BIODIESEL

FG-2000x2 · FG-2000x3

2,000 l/min

6"



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 filtersP. 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"          |
| Dimensions (approx.):  | 2,984x1,440x1,230 mm |
| Net weight (approx.):  | 640 kg               |

## COMPONENTS

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

FG-3000x2 · 50 / 15

Cartridges  
50 µm / 15 µm water absorbent 66490-CF00000

# 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 / 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-CF00000 |
| 300x2 Fuel Treatment System | BAG-800 230 VAC     | 50 µm / 15 µm water absorbent | 1,000x400x760 mm     |   | 66440-CF00000 |
| 450x2 Fuel Treatment System | BAG-800 230 VAC     | 50 µm / 15 µm water absorbent | 1,000x400x1,240mm    |   | 66400-CF00000 |
| 450x2 Fuel Treatment System | BAG-800 230/400 VAC | 50 µm / 15 µm water absorbent | 1,000x400x1,240mm    |   | 66400-CF00001 |

Optional

EExd available models 

# 19 / Transfer and filtering kits

P. 12 → AG-90 12/24 VDC

P. 35 → MGE-110

P. 47 → FG-100

- Ⓢ DIESEL
- Ⓢ PETROL

## Truck Kit · 12/24 VDC

55 l/min

±0.5 % accuracy

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

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

### COMPONENTS

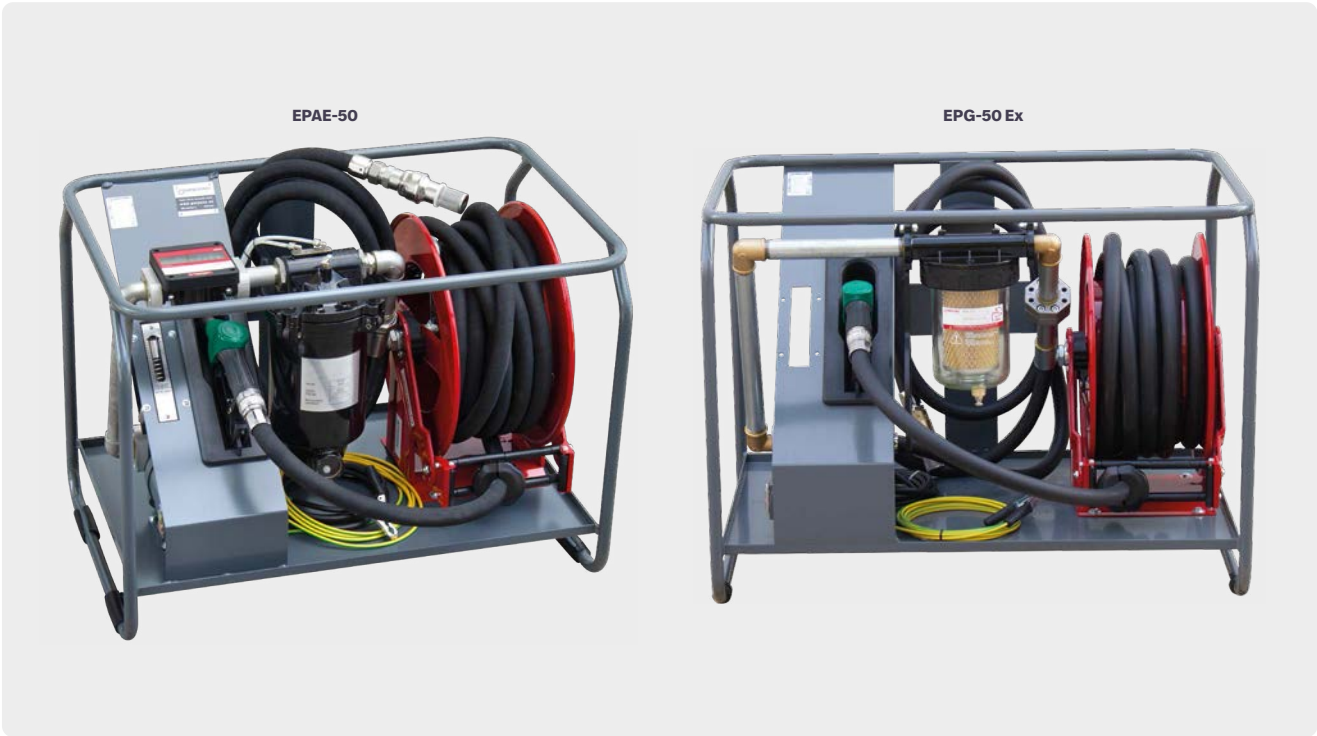
- › Hose-reel with 10 m Ø1" hose
- › PA-80 automatic nozzle and nozzle hanger
- › Self-suction pump
- › ON/OFF switch
- › Connection box for a battery connection cable
- › MGE-110 Electronic meter · Accuracy ±0.5 %
- › FG-100 · Transparent microfilter

|                          | 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/min1.9 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-80G              | Ⓢ Ⓢ    | 66230-CF00000 |
| EPAE-50    | IRON-50 Ex 12 VDC | MGE-110 Viton | Separator filter | up to 10 m | PA-80G              | Ⓢ Ⓢ    | 66230-CF00004 |
| EPG-50 Ex  | IRON-50 Ex 12 VDC | -             | FG-100G          | -          | PA-80G              | Ⓢ Ⓢ    | 66221-CF00000 |
| EPGE-50 Ex | IRON-50 Ex 12 VDC | -             | FG-100G          | up to 10 m | PA-80G              | Ⓢ Ⓢ    | 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 85 l/min

12 VDC · 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

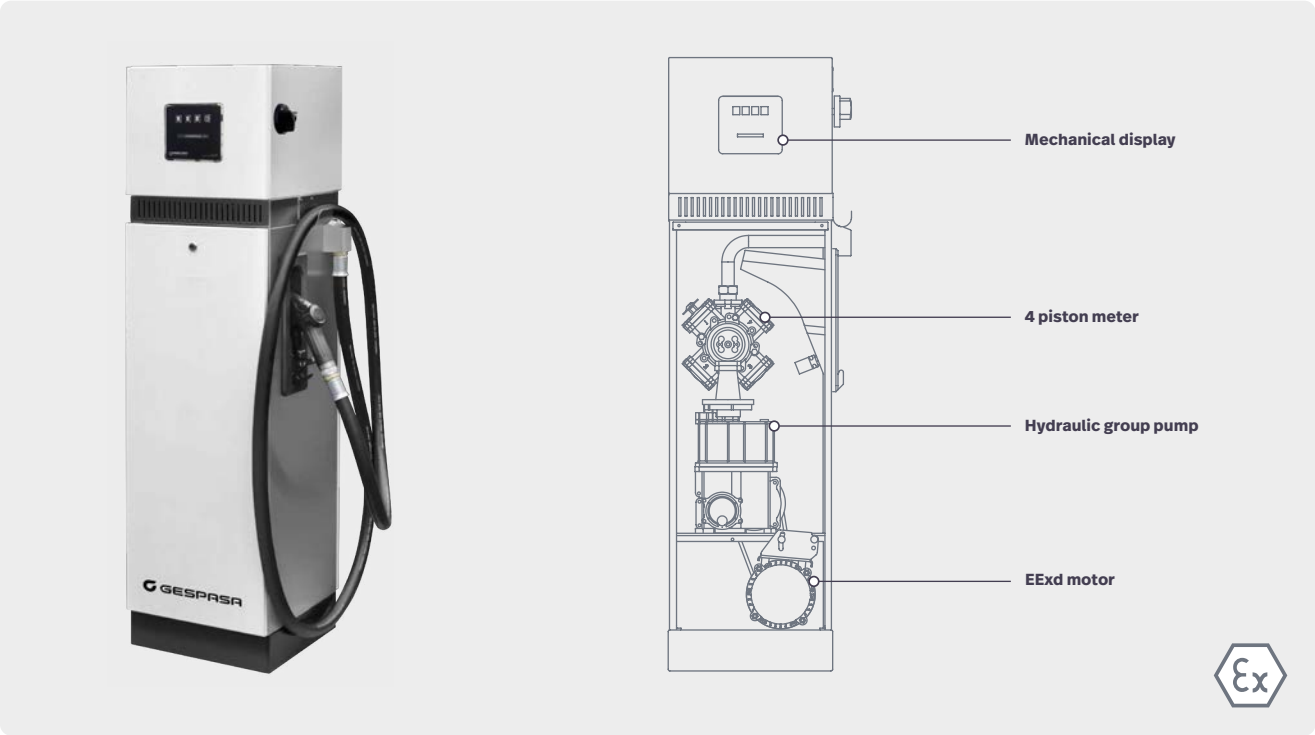
up to 110 l/min

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 and pulser of two 2 channels of 100 pulses per litre.
- › 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

DIESEL

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

- 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**

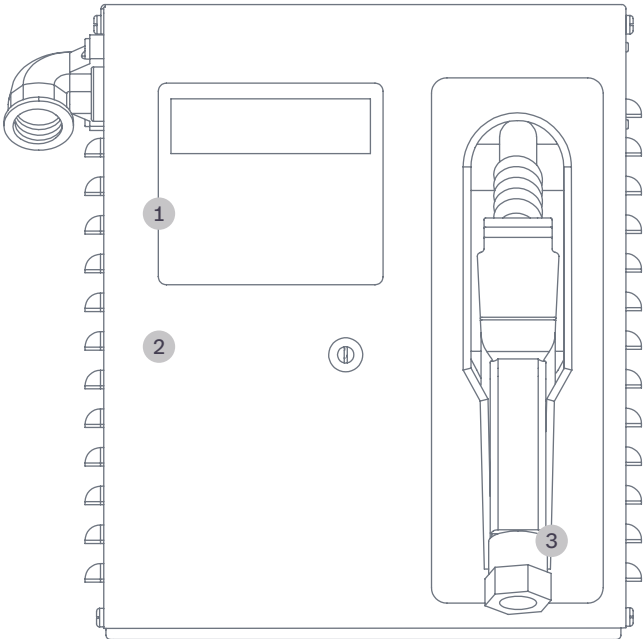
  - › MGI-110 Pulser · 90° Reeds
  - › MGI-110 Pulser · 90° Hall Effect

**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

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

COMPONENTS

- › MGI-110 Pulser · 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

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

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

COMPONENTS

- › MGI-110 Pulser · 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.

④ 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

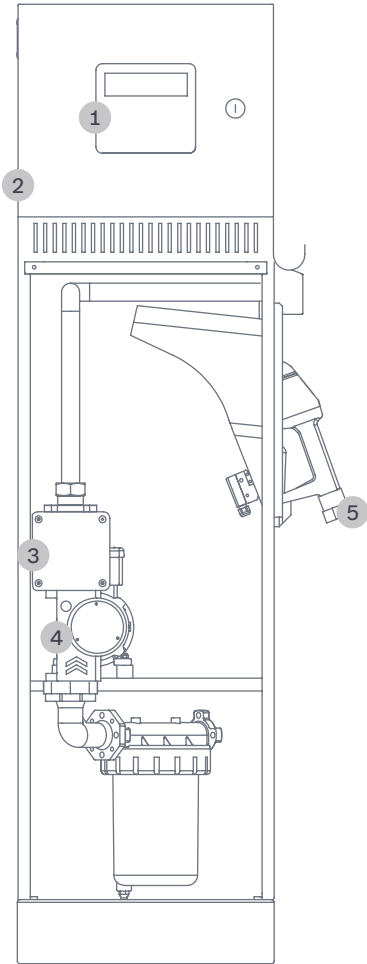
Pump

› 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) | 272300100 |
| ②        | Protection sunshield                     | FE016001  |

TOTEM E

up to 90 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.

22 /  
TOTEM  
dispensers

P. 40 → Display E

Ⓢ DIESEL



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

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

Ⓢ DIESEL

TOTEM GE

up to 90 l/min

230 VAC

Display GE

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.



| 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



TECHNICAL DATA

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

COMPONENTS

- › MGI-110 Pulser · 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 |

TOTEM Plus

up to 90 l/min

230 VAC

DieselPlus

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

P. 167 → GK-7Plus &  
GK-7PlusM

P. 173 → DieselPlus  
Cloud Software

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

DIESEL



TECHNICAL DATA

|                       |                  |
|-----------------------|------------------|
| Pulser accuracy:      | ±0.5 %           |
| Dimensions (approx.): | 460x400x1,510 mm |
| Net weight (approx.): | 50-57 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 |               |
|-----------------------|------------|-----------------|--------|--------|---------------|
| TOTEM 50Plus-230-60u  | 50 l/min   | IRON-50 230 VAC | PA-60  | D      | 27212-CF00000 |
| TOTEM 75Plus-230-60u  | 70 l/min   | IRON-75 230 VAC | PA-80  | D      | 27341-CF00000 |
| TOTEM 100Plus-230-60u | 90 l/min   | AG-100 230 VAC  | PA-120 | D      | 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

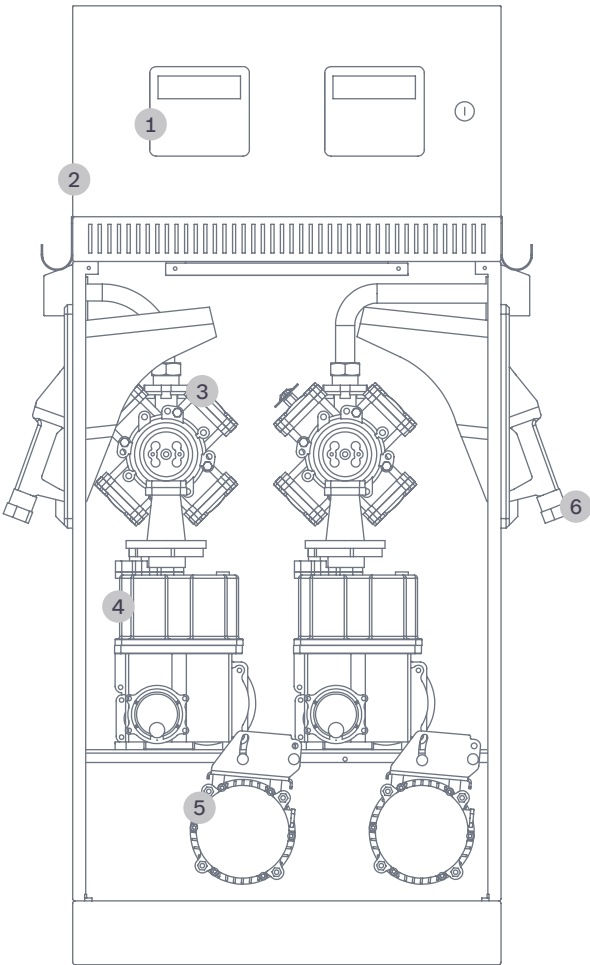
Chassis  
› Chassis in steel, stainless steel and aluminium  
› Treatment to maximise corrosion protection  
› Weatherproof
- 3

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 |

P. 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 ore 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

- Pulser accuracy: ±0.2 %
- Dimensions (approx.): 800x400x1,500 mm
- Net weight (approx.): 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 | FE006002 |
|------------------------|----------|

23 /

Industrial  
dispensers

## SH-Plus · SH-PlusD

up to 110 l/min

230 VAC · 230/400 VAC

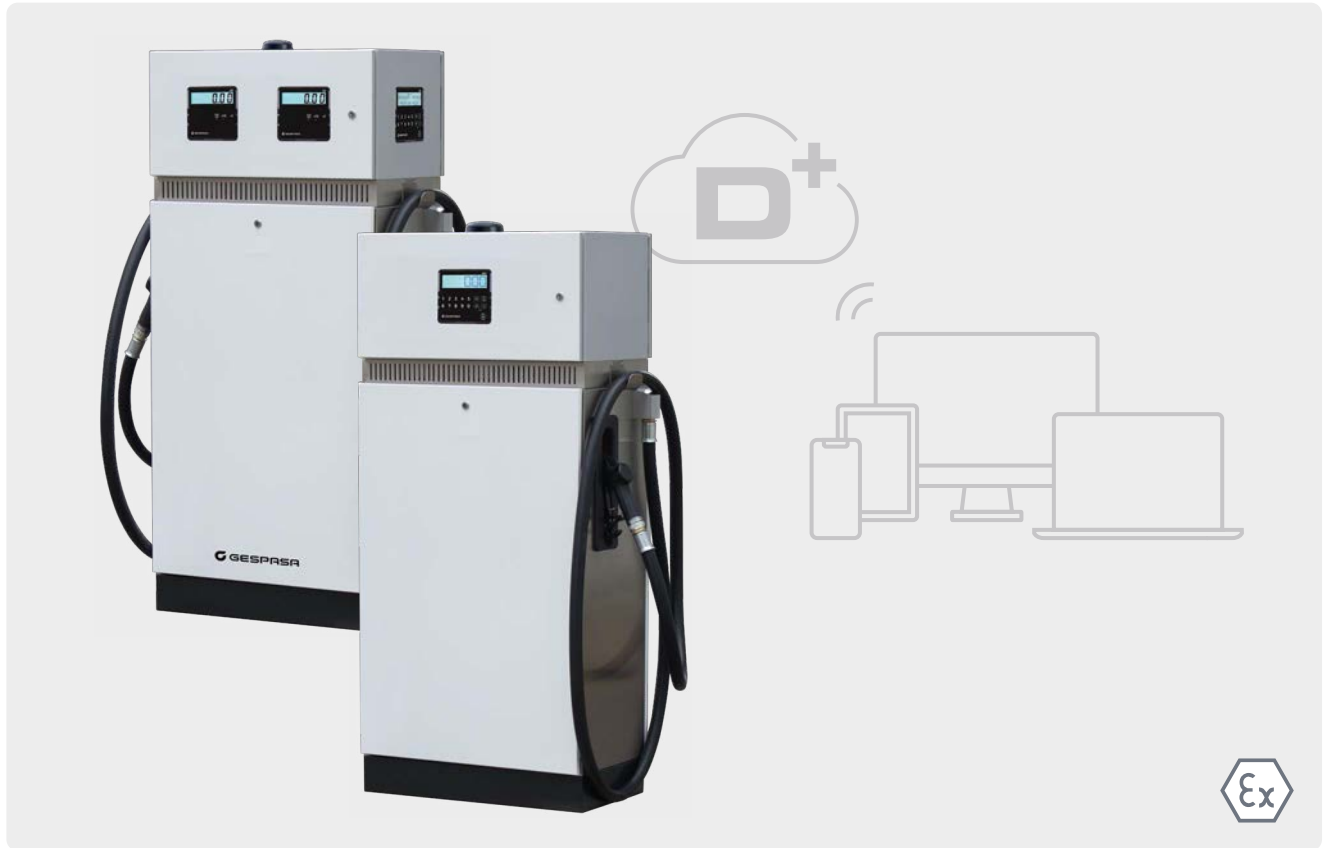
DieselPlus

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 | FE006002 |
|------------------------|----------|

# 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

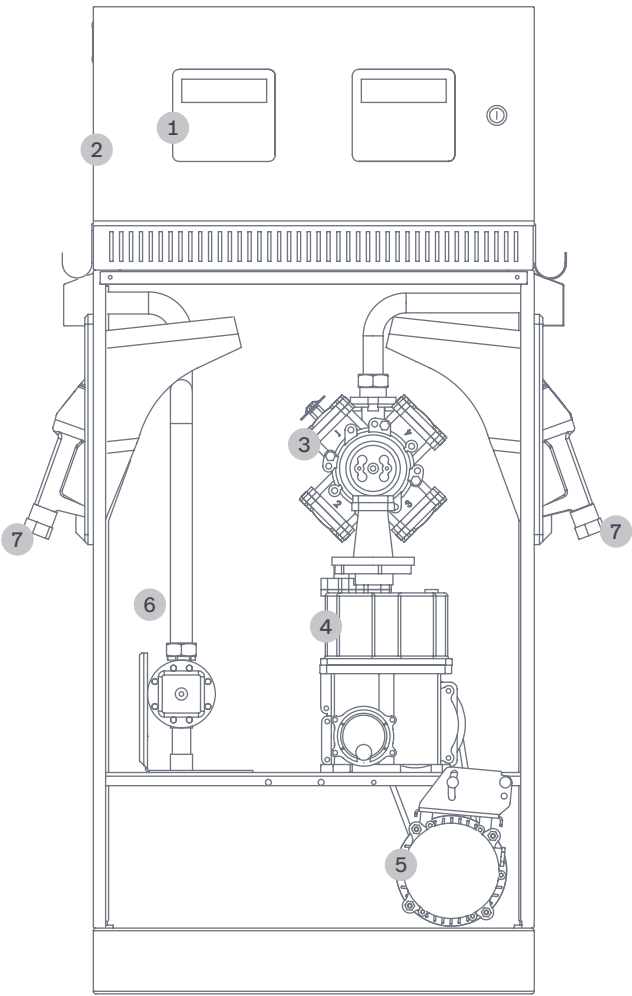
› With ATEX certificate and IP-55 protection
- 6

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                  | 660500000     |
| 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                                          | 021900400     |

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

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

P. 167 → GK-7Plus &  
GK-7PlusM

P. 173 → DieselPlus  
Cloud Software

- Ⓢ DIESEL
- Ⓢ ADBLUE / DEF

SHPlus DUO

80 · 110 l/min

230 · 230/400 VAC

DieselPlus

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



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

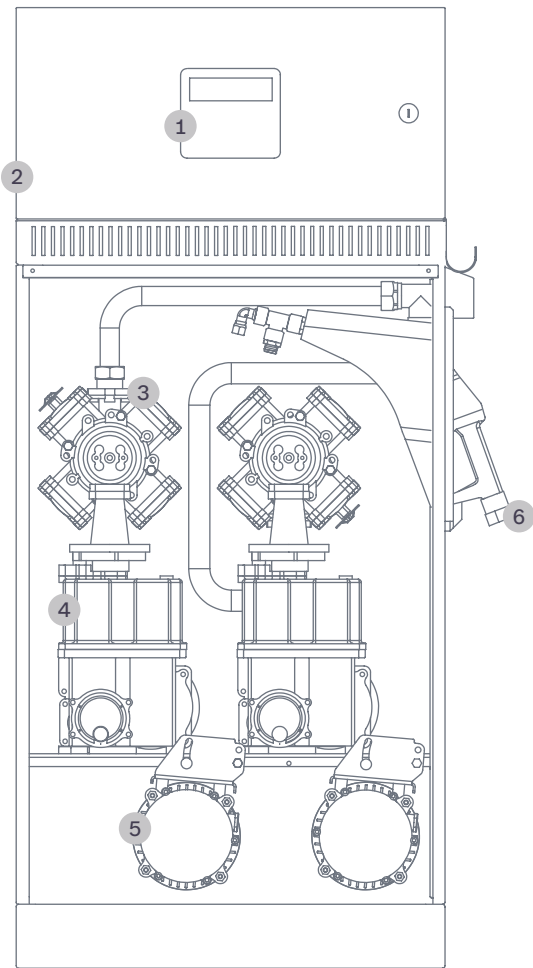
**Chassis**
  - › Chassis in steel, stainless steel and aluminium
  - › Treatment to maximise corrosion protection
  - › Weatherproof
- 3

**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  
dispensers

P. 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

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.

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



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 |
|------------------------|----------|

25 /  
MonsterJet  
dispensers

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

P. 167 → GK-7Plus &  
GK-7PlusM

P. 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 |
|------------------------|----------|

# 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.

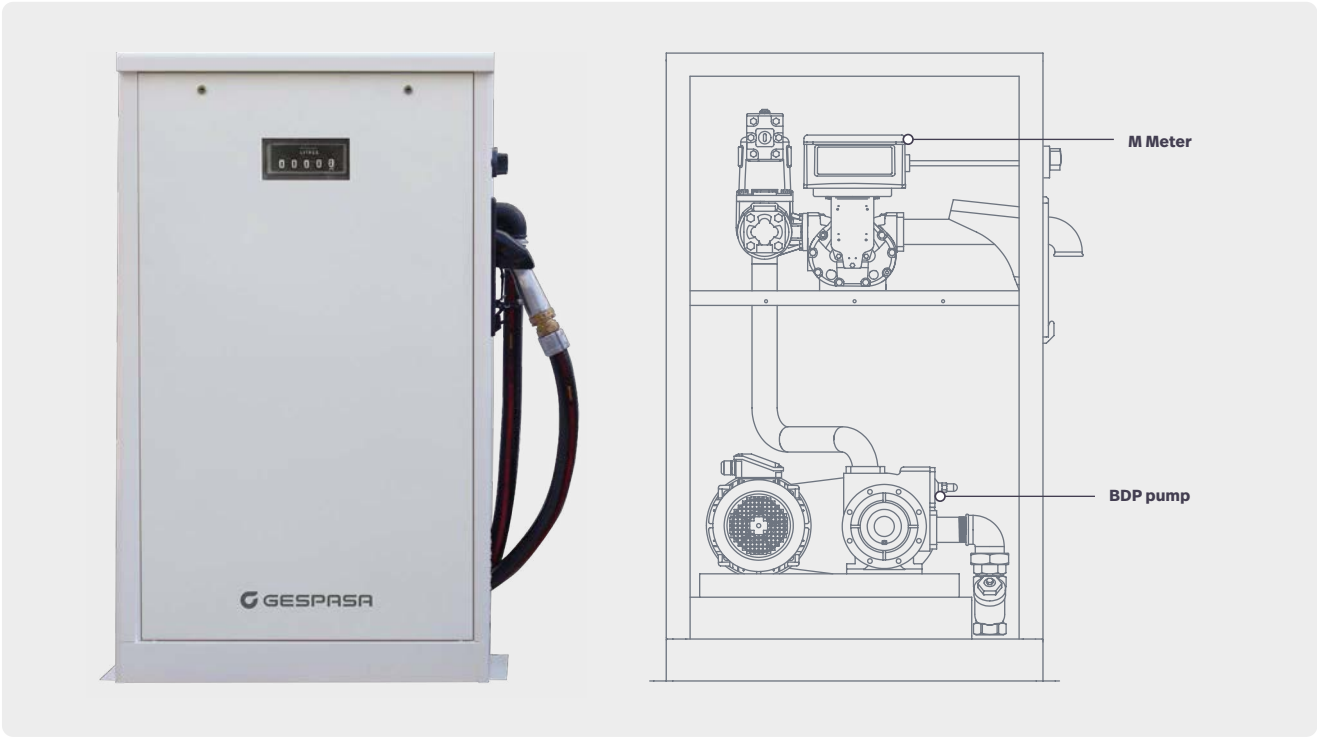
P. 26 → High flow pumps

P. 42 → High flow meters

P. 88 → Manual & automatic nozzles

P. 90 → Hoses & suction kits

- DIESEL
- PETROL



TECHNICAL DATA

|                       |                  |
|-----------------------|------------------|
| Pulser accuracy:      | ±0.2 %           |
| Dimensions (approx.): | 900x620x1,500 mm |
| Net weight (approx.): | 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

- 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

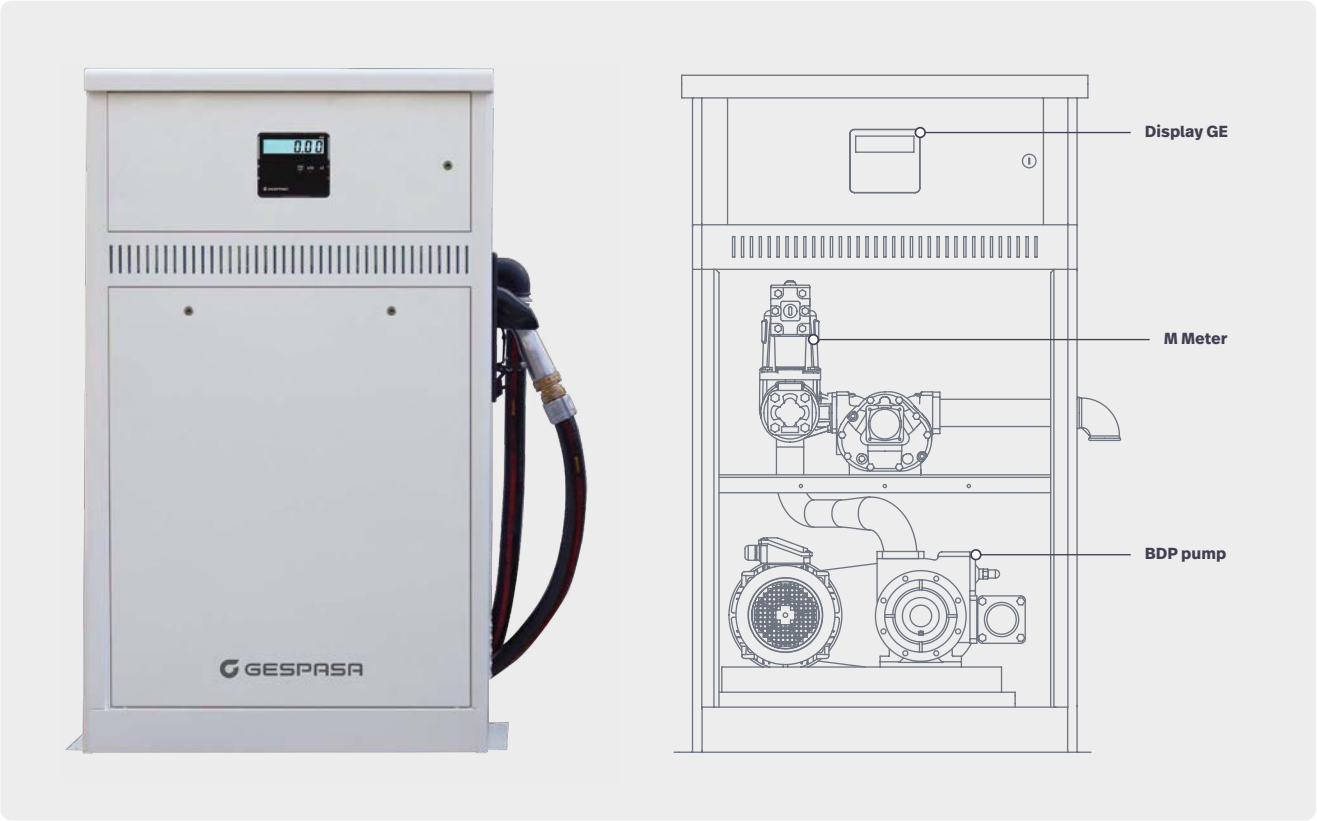
- Ⓢ DIESEL
- Ⓢ PETROL

SGE & STE High flow

up to 500 l/min

±0.2 % or ±0.5 % accuracy

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
- › Pulser 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 | F¾"        | 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 ½"      | 4 bar    | 472400000 |

PA-280 · Automatic nozzle

High flow automatic nozzle with trigger fixation.

|        | Flow      | Connection | Ø exterior |           |
|--------|-----------|------------|------------|-----------|
| PA-280 | 280 l/min | F1 ½"      | 35 mm      | 475200000 |

Optional

|                       |           |
|-----------------------|-----------|
| Rotary swivel MF¾"    | 804503007 |
| Rotary swivel MF1"    | 804503001 |
| Rotary swivel M¾" F1" | 804503002 |



27 /  
Manual &  
automatic  
nozzles

Ⓢ DIESEL  
Ⓢ PETROL

# 28 / Hoses & suction kits

⊕ DIESEL  
⊕ PETROL

## Antistatic double layer hoses

|                             | Ø     | 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 |
| Ø16 mm M¾" reconnectable adapter | 472102012 |
| Ø16 mm M1" reconnectable adapter | 472102013 |
| Ø19 mm M¾" reconnectable adapter | 472102014 |
| Ø19 mm M1" reconnectable adapter | 472102015 |
| Ø25 mm M1" reconnectable adapter | 472102016 |

## Springwel hoses

|            | Ø     | Fluids |           |
|------------|-------|--------|-----------|
| Black hose | 25 mm | ⊕      | 803400010 |
| Black hose | 30 mm | ⊕      | 803400011 |
| Black hose | 40 mm | ⊕      | 803400012 |

## Telescopic tube kits

### COMPONENTS

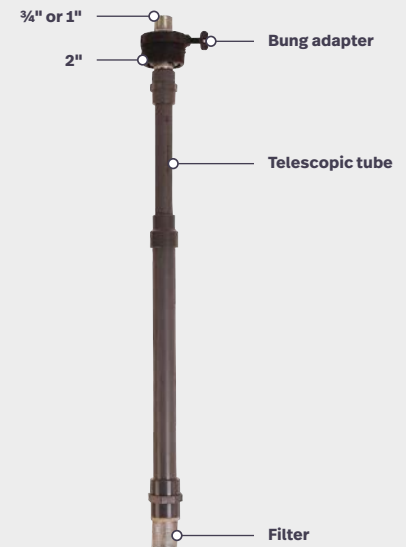
- › PP telescopic tube
- › Bung adapter 2" BSP
- › Filter

|                    | Height |           |
|--------------------|--------|-----------|
| M¾" kit            | 0.98 m | 356600000 |
| M¾" kit            | 1.30 m | 357300000 |
| M¾" 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 |

Antistatic double layer hoses



Springwel hoses



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 |



28 /  
Hoses & suction  
kits

- ⓪ DIESEL
- ⓪ PETROL

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



|                  |           |
|------------------|-----------|
| Gravity tank kit | 356200000 |
|------------------|-----------|

# 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 |
| 6.30.25 | 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

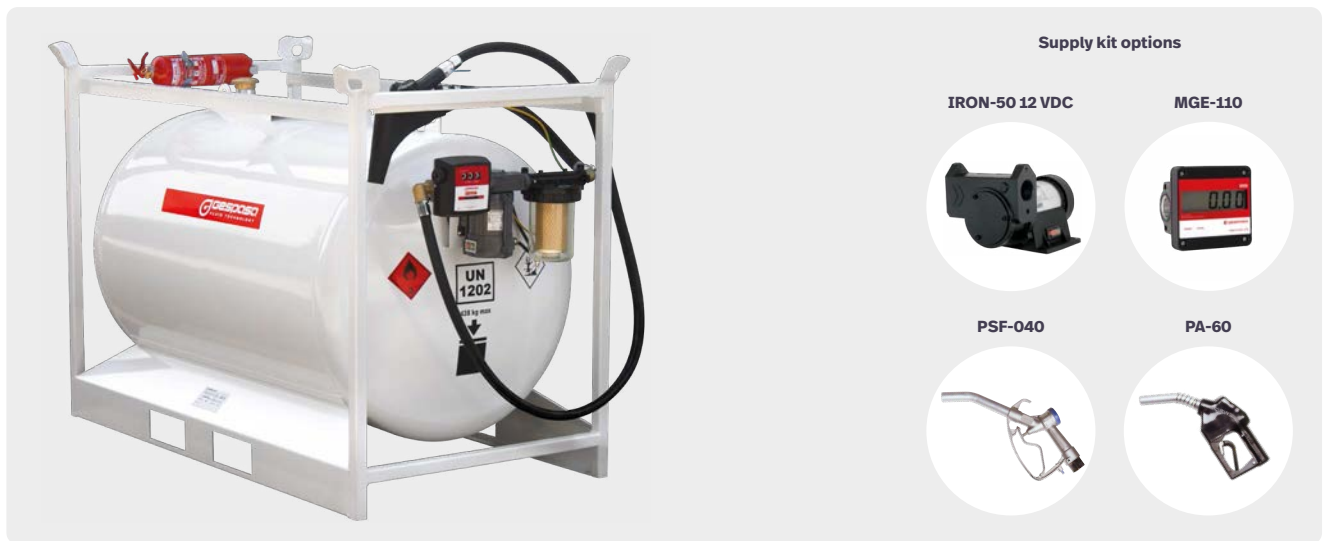
Ⓢ DIESEL  
Ⓢ PETROL

## 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.) |           |
|----------------------|----------|----------------------|------------------|-----------|
| <b>Mobiltank 350</b> | 350 L    | 1,200x792x1,025 mm   | 121 kg           | 353300200 |
| <b>Mobiltank 460</b> | 460 L    | 1,511x792x1,025 mm   | 148 kg           | 353400100 |
| <b>Mobiltank 960</b> | 960 L    | 1,750x930x1,280 mm   | 225 kg           | 353500200 |

## Mobiltank supply kits

|                                         | Pump           | Meter   | Nozzle            | Hose    |               |
|-----------------------------------------|----------------|---------|-------------------|---------|---------------|
| <b>IRON-50 12 V + PSF-040 · GRG KIT</b> | IRON-50 12 VDC | No      | PSF-040 · Manual  | 4 m Ø¾" | 11800-CF00000 |
| <b>IRON-50 12 V + PA-60 · GRG KIT</b>   | IRON-50 12 VDC | No      | PA-60 · Automatic | 4 m Ø¾" | 11800-CF00001 |
| <b>SE-50 12 V + PSF-040 · GRG KIT</b>   | IRON-50 12 VDC | MGE-110 | PSF-040 · Manual  | 4 m Ø¾" | 11810-CF00000 |
| <b>SE-50 12 V + PA-60 · GRG KIT</b>     | IRON-50 12 VDC | MGE-110 | PA-60 · Automatic | 4 m Ø¾" | 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.



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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 Ø3/4" | 11822-CF00000 |
| GRG POLYTANK IRON-50 12 V KIT + PA-60   | IRON-50 12 VDC | No      | PA-60 · Automatic | 4 m Ø3/4" | 11822-CF00001 |
| GRG POLYTANK SE-50 12 V KIT + PSF-040   | IRON-50 12 VDC | MGE-110 | PSF-040 · Manual  | 4 m Ø3/4" | 11832-CF00000 |
| GRG POLYTANK SE-50 12 V KIT + PA-60     | IRON-50 12 VDC | MGE-110 | PA-60 · Automatic | 4 m Ø3/4" | 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 M¾"x25 mm Plastic Adapter | 804501002 |
| PP M1"x25 mm Plastic Adapter | 804501001 |
| M¾"x19 mm Brass adapter      | 804500012 |
| M¾"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 µm Ø33 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 |
|---------------|-----------|



## 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 |
|-----------------------------------|-----------|



## 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 |
|-------------------|-----------|



## 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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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



## 31 /

### 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 |
|-------------------|-----------|



## 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

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

|                       |                  |
|-----------------------|------------------|
| Suction flow:         | 15/60 l/min      |
| Accuracy:             | ±2 %             |
| Ventilation:          | Embedded         |
| Dimensions (approx.): | 800x400x1,500 mm |
| Weight (approx.):     | 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 Ø1/2" 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.



TECHNICAL DATA

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

COMPONENTS

- › Vacuum gauge -1 +3 bar
- › FF<sup>3</sup>/<sub>4</sub>" ball valve
- › Level buoy (overflow security)
- › 5.5 m transparent hose with 1/2" metallic galvanised lance
- › 0.75 m M<sup>3</sup>/<sub>4</sub>" complete drain probe
- › 1.5 m Ø12x9 mm tank extraction tube
- › 1.5 m Ø8x6 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.

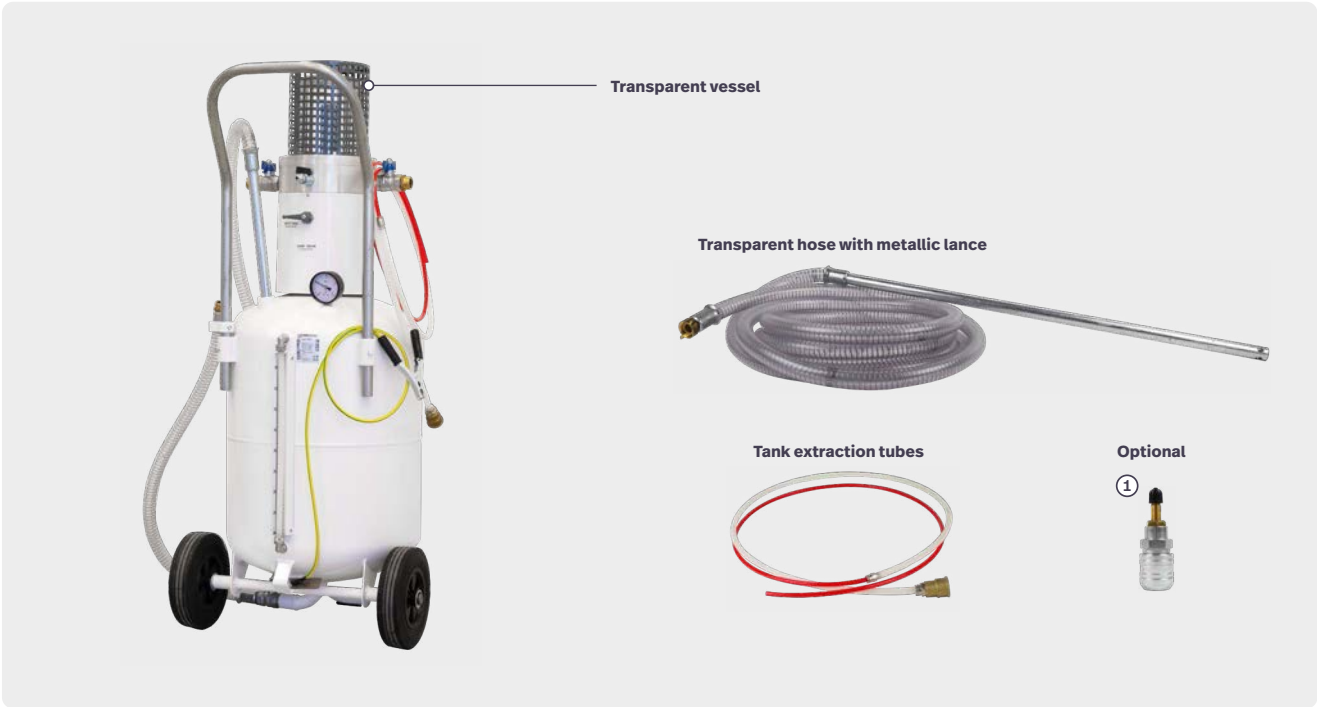
|                                             |        |           |
|---------------------------------------------|--------|-----------|
| LG-84 Electric extractor                    | Fluids | 480000000 |
| Optional                                    |        |           |
| ① Air output tube adapter (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.

|                                                                                                                               |  |                                                                                                                                                                             |               |
|-------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| LGN-65 Pneumatic extractor                                                                                                    |  | Fluids                                                                                                                                                                      |               |
|                                                                                                                               |  |   | 48032-CF00000 |
| Optional                                                                                                                      |  |                                                                                                                                                                             |               |
|  Air output tube adapter (service station) |  |                                                                                                                                                                             | 480105010     |
| Water paste - water level indicator                                                                                           |  |                                                                                                                                                                             | 807613001     |

- DIESEL
- PETROL

LGN-200 Pneumatic multi-use extractor

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



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 ½" 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.

|                                           |  |                                                                                                                                                                             |           |
|-------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| LGN-200 Pneumatic multi-use extractor     |  | Fluids                                                                                                                                                                      |           |
|                                           |  |   | 480200000 |
| Optional                                  |  |                                                                                                                                                                             |           |
| Air output tube adapter (service station) |  |                                                                                                                                                                             | 480105010 |
| Water paste · water level indicator       |  |                                                                                                                                                                             | 807613001 |



# 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

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

|                       |                      |
|-----------------------|----------------------|
| Free flow:            | 30 l/min             |
| Motor:                | 0.18 kW              |
| Operation:            | S2 20'               |
| Motor speed:          | 1,750 rpm            |
| Protection:           | IP-55                |
| Temperature:          | -5 °C / +40 °C       |
| Connection:           | M1" or 19 mm adapter |
| Dimensions (approx.): | 265x265x130 mm       |
| Net weight (approx.): | 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        | ⓘ ⓘ    | 02241-CF00000 |
| BD-30 24 VDC | 7.3 A       | ⓘ ⓘ    | 02240-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



ADBLUE / DEF  
WATER

Submersible pump for AdBlue · 230 VAC

Fluids  
021900400

# 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



ADBLUE / DEF  
WATER

BMP-BLUE

Fluids  
041200100

# 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

- ⓘ ADBLUE / DEF
- ⓘ WATER

## 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.



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 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          | Battery + charger | Fluids |               |
|----------------|---------------|-------------------|--------|---------------|
| SBD-30 230 VAC | BD-30 230 VAC | No                | Ⓢ Ⓢ    | 19331-CF00000 |
| SBD-30 12 VDC  | BD-30 12 VDC  | 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)

MGI-40Blue

Fluids  
32702-CF00000

## 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)

MGI-110Blue

Fluids  
32632-CF00000

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

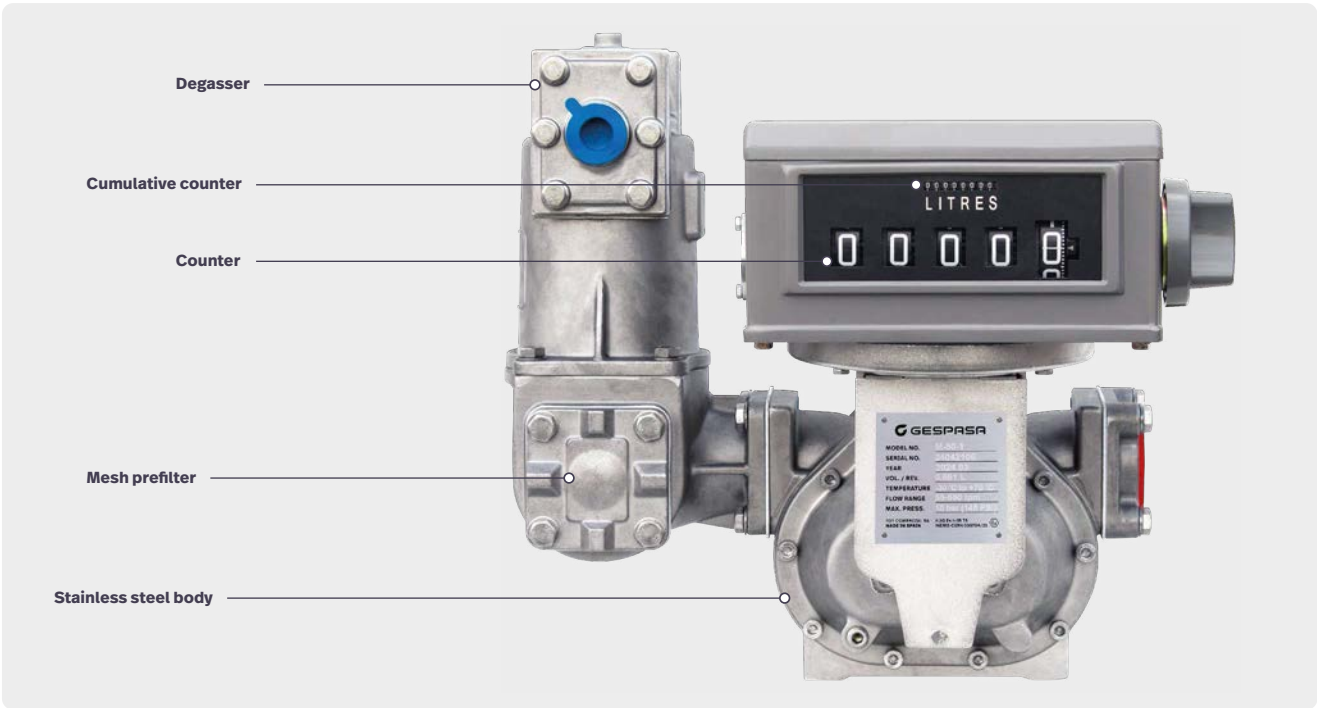
P. 111 → High flow pumps

55-550 l/min

±0.2% accuracy

- 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 or water existence.



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

|  |                                    |
|--|------------------------------------|
|  | 190x220x330 mm<br>LxWxH (approx.)  |
|  | 2.7 kg<br>(approx.)                |
|  | 100 units / pallet<br>(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 | <div><div>⦿</div><div>⦿</div></div> | 660300300 |
| Optional                       |       |                                     |           |
| 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    | <div><div>⦿</div><div>⦿</div></div> | 66450-CF00000 |
| Optional                                                 |           |                                     |               |
| 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

ⓘ ADBLUE / DEF  
ⓘ WATER

**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.**

- 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**

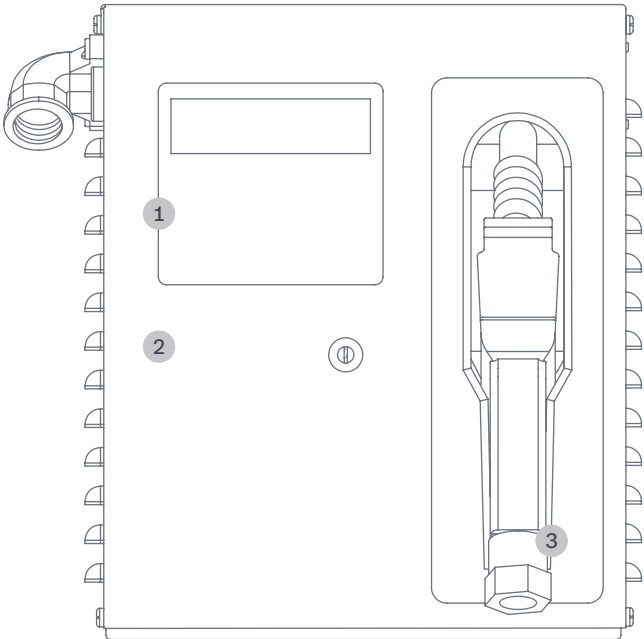
  - › MGI-40Blue Pulser

**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/min230 VACGKSuite

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/min230 VACDieselPlus

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 wit 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

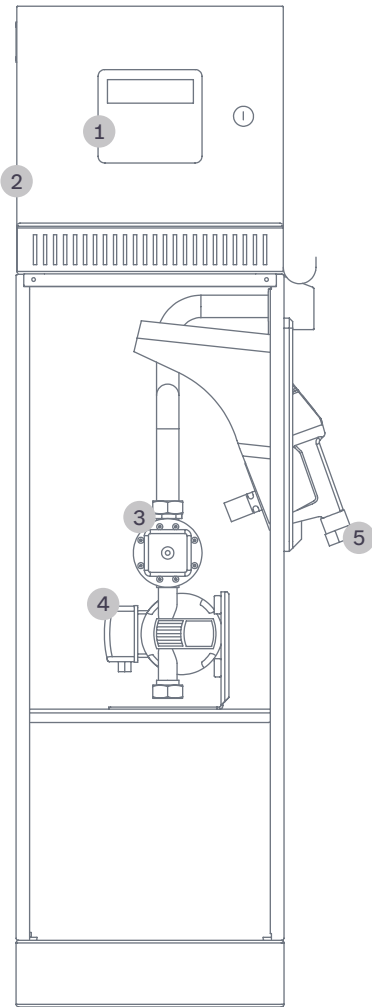
Pump

› 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

Protection sunshield

39025-CF00000

FE016001

- Ⓐ ADBLUE / DEF
- Ⓐ WATER

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

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.

12 /  
TOTEM  
dispensers

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 |

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

TOTEM 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.): | 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



Optional



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 |           |
|-----------------------------------|----------|----------------------|------------------|--------|-----------|
| <b>Horizontal Blue Kit · 3000</b> | 3,000 L  | 2,100x1,470x1,500 mm | 230 kg           | Ⓢ      | 808401021 |
| <b>Horizontal Blue Kit · 5000</b> | 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 |           |
|--------------------------|----------|----------------------|------------------|--------|-----------|
| <b>Polytank Blue 200</b> | 200 L    | 1,160x760x500 mm     | 33.5 kg          | Ⓢ      | 384200800 |
| <b>Polytank Blue 410</b> | 410 L    | 1,160x760x790 mm     | 50 kg            | Ⓢ      | 384200700 |

### Optional

Supply kit for AdBlue/DEF

# Lubricant

01 /  
Self-suction gear pumps

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

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

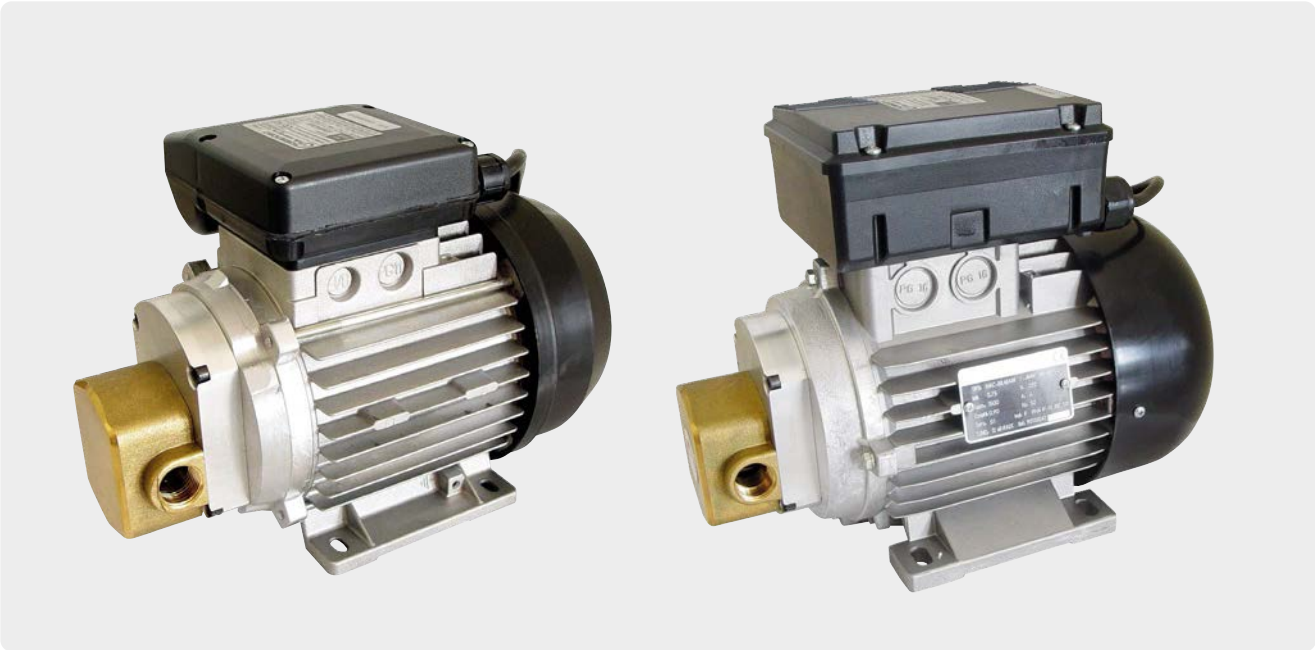
LUBRICANT

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

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

P. 134 → Self-suction gear pumps  
P. 143 → Electronic meters



- 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 Ø1/2" delivery hose with adapters in both ends
- › PG-40 manual nozzle or PMGE-40 electronic nozzle-meter with 60º 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 Ø1/2" delivery hose with adapters in both ends
- › PG-40 manual nozzle or PMGE-40 electronic nozzle-meter with 60º 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
- › 3/4" 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 Ø1/2" delivery hose
- › 3/4" metallic suction tube kit · height 1 m with York filter
- › PMGE-40 electronic nozzle-meter with flexible tube with 90º 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 |



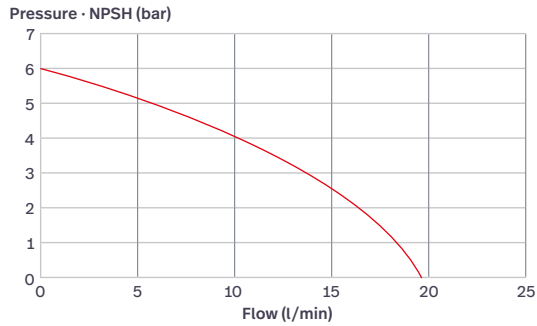
# 03 / Flow curves · Self-suction gear pumps

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

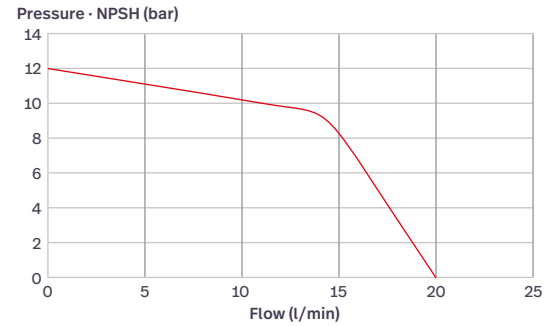
P. 135 → EA-90 12/24  
VDC

P. 136 → EA-65 230 ·  
230/400 VAC

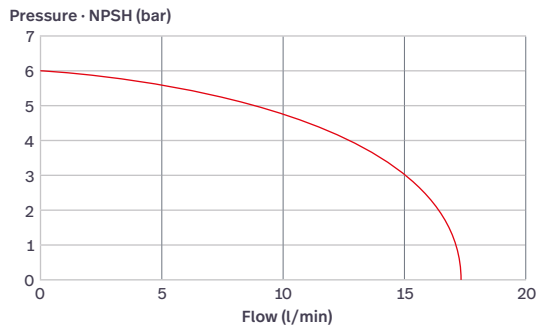
## EA-88 0.37 kW 230 VAC



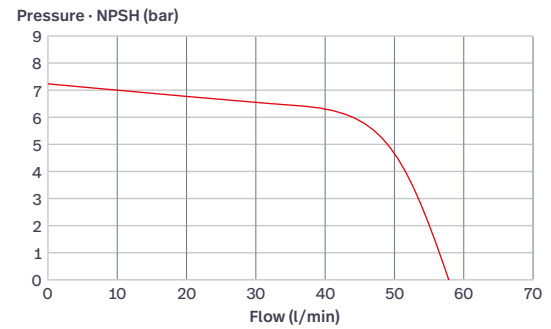
## EA-88 0.74 kW 230 VAC



## EA-90 0.37 kW 12/24 VDC



## EA-65 2.2 kW 230 VAC



04 /  
High flow pumps

BDP Lube

P. 42 → High flow  
meters

100-1,000 l/min

1 ½"-4" BSP

2.5-3.5 bar

 LUBRICANT

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



TECHNICAL DATA

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

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

Optional  
 Prefilter

# 05 / Manual pumps

Ⓢ DIESEL  
Ⓢ LUBRICANT

## BP-5 · Manual lever pump

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

### TECHNICAL DATA

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

### COMPONENTS

- › Pump made of steel, aluminium, zinc, brass, NBR
- › 870 mm metallic suction telescopic tube with 3/4" connection to the pump
- › 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<br>LxWxH (approx.)     |
|  | 0.6 kg<br>(approx.)                  |
|  | 1,000 units / pallet<br>(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

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

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        |
|---------|-------------|----------------|--------|---------------|---------------|
| MGE-110 | 5-110 l/min | 5-80 l/min     | Ⓢ Ⓢ    | 32600-CF00000 | 32600-CF00002 |

Optional

|                                                                  |           |
|------------------------------------------------------------------|-----------|
| ① F1" aluminium flange complete kit with DIN.933 hexagonal screw | 800003036 |
|------------------------------------------------------------------|-----------|

MGE-250

10-150 l/min

±0.5% accuracy

1" o 1 ½"

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

TECHNICAL DATA

Accuracy:

±0.5%

Max. pressure:

45 bar

Ambient temperature:

-10 °C / +50 °C

Display integers and decimals:

999.99 / 999.9 / 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 ½" | 10-250 l/min | 10-150 l/min   | F1 ½"      |        | 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     | ⑤ ⑤    | 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    | ⑤ ⑤    | 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 |
|---------------------------------------------------------|-----------|

### FGR-25 heater filter

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

#### TECHNICAL DATA

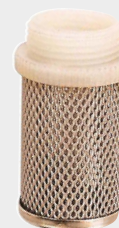
|                            |          |
|----------------------------|----------|
| Flow:                      | 82 l/min |
| Filtration range:          | 300 µm   |
| Inlet · Outlet connection: | F1"      |

#### 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 |
|------------------------|-----------|

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 1/4" BSP inlet-outlet connections and 1 1/2" 16 UN or 1 1/4" BSP filter connection
- Metallic trolley
- FUP-1 filter
- F1" BSP Shutoff valve in the pump inlet and in the filter outlet



P. 134 → EA-88 0.37 kW 230 VAC · EA-88 0.74 kW 230 VAC  
P. 49 → FG-300 · FG-450  
P. 157 → Accessories

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

|             |         |
|-------------|---------|
| 20-25 l/min | 230 VAC |
|-------------|---------|

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

TECHNICAL DATA

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

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

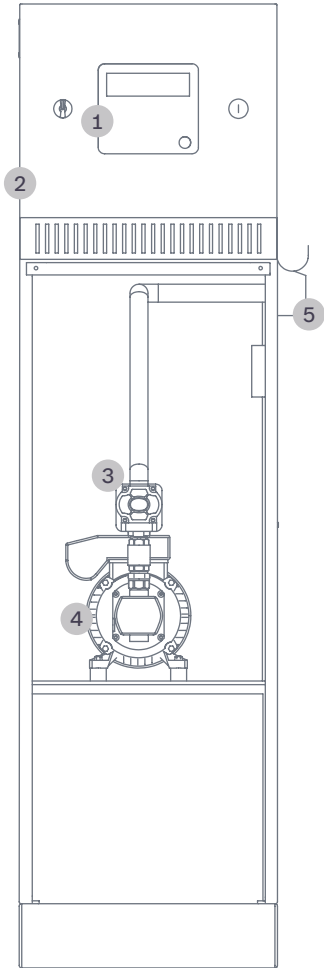
Pump

› 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 | 802700046 |
| ②        | Protection sunshield                        | 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



TECHNICAL DATA

Free flow up to:

Pulser accuracy:

Dimensions (approx.):

Net weight (approx.):

25 l/min

±0.5 %

460x400x1,500 mm

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

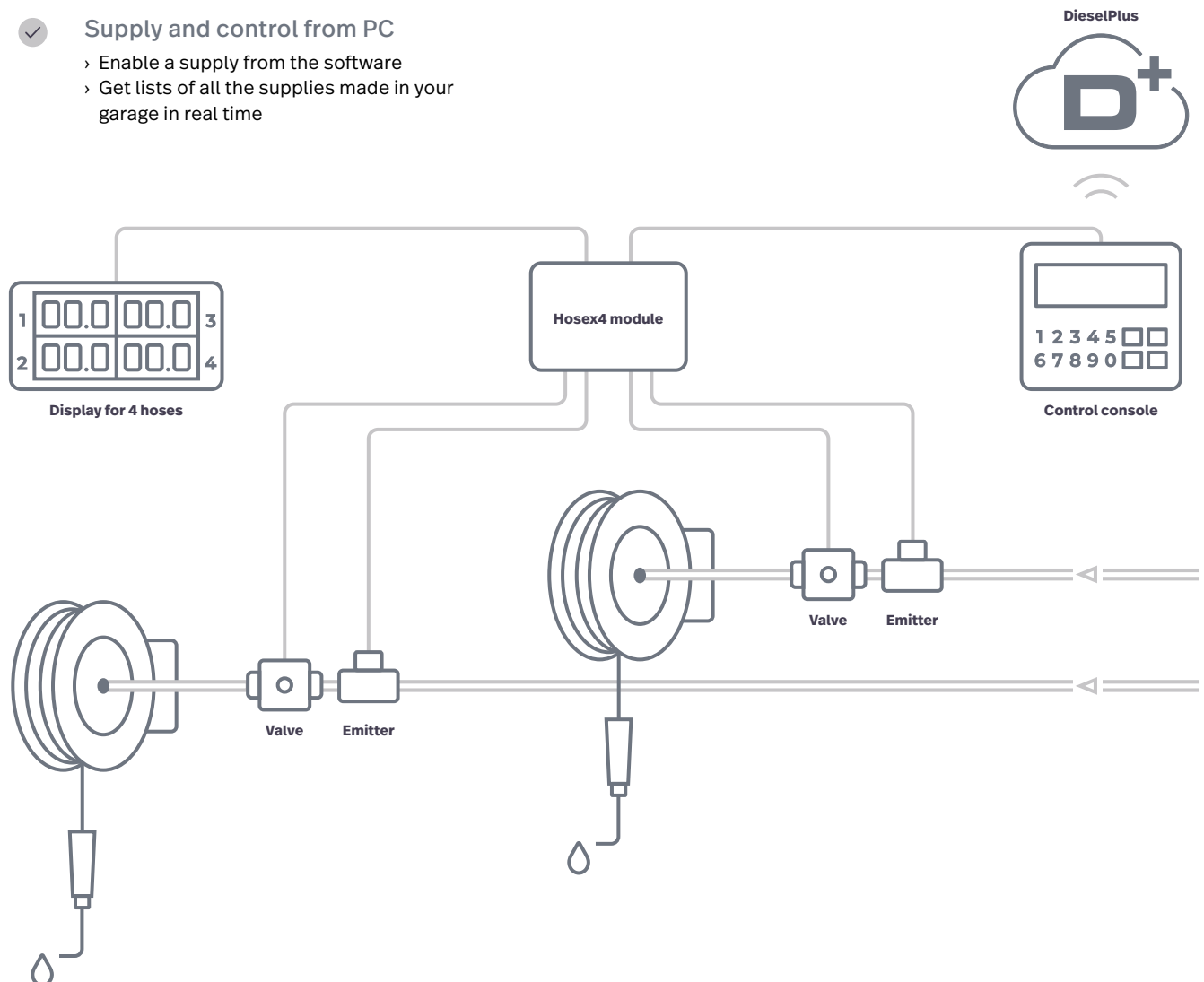
P. 40 → Electronic displays

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

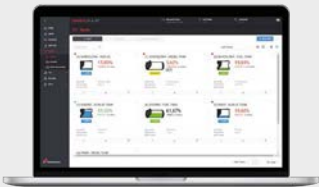
P. 41 → Display GE  
12/24 VDC ·  
110/230 VAC

P. 167 → GK-7Plus &  
GK-7PlusM

P. 173 → DieselPlus  
Cloud Software



DieselPlus



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

Controle console



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

Module with GE display



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

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:             | F1/2"      |

|       |           |
|-------|-----------|
| PG-40 | 473502000 |
|-------|-----------|

PMGE-40 · Electronic nozzle-meter

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

COMPONENTS

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

|         |               |
|---------|---------------|
| PMGE-40 | 47373-CF00000 |
|---------|---------------|



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
- › M1" BSP connections with flexible spout of Ø1" with automatic drip nipple

|       |           |
|-------|-----------|
| P-100 | 474300000 |
|-------|-----------|



# 13 / Hoses & suction kits

## Suction/delivery hoses

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

|                                      |  |           |
|--------------------------------------|--|-----------|
| Optional                             |  |           |
| To put M1 1/2" 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

## ⑤ 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 |
|--------------|-----------|



## C-50 trolley for 50 kg drums

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

COMPONENTS

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

|              |           |
|--------------|-----------|
| C-50 trolley | 686100000 |
|--------------|-----------|



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

Trolley for 185 kg drums with tubular frame.

COMPONENTS

- › 2 fixed wheels
- › 1 rotary wheel
- › Security strap for the drum to avoid any accidental leak
- › Built-in hooks to reel the cable
- › Built-in back platform for the assembly of a hose-reel

|                |           |
|----------------|-----------|
| CE-200 trolley | 686400100 |
|----------------|-----------|



## 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 |
|-----------------------------------|-----------|

## Pneumatic pump wall support

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

|                             |           |
|-----------------------------|-----------|
| Pneumatic pump wall support | 800404020 |
|-----------------------------|-----------|

Metallic protective holder



Pump bracket handle



Wall oil dripping holder



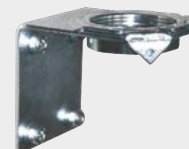
Mixed wall non-drip support



Swinging bracket for hose-reels



Pneumatic pump wall support



## Universal support

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

TECHNICAL DATA

**Material:** Zinc-plated sheet  
**Dimensions (approx.):** 330x90x280 mm  
**Weight (approx.):** 2 kg

COMPONENTS

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

|                   |           |
|-------------------|-----------|
| Universal support | 800404259 |
|-------------------|-----------|

## Universal zinc-plated hook set

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

|                                |           |
|--------------------------------|-----------|
| Universal zinc-plated hook set | 800404049 |
|--------------------------------|-----------|

## Bung adapters

TECHNICAL DATA

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

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

## Adapter plug for 1,000 L tank

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

TECHNICAL DATA

**Connection:** F2" BSP thread

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

## Adapter nut for 1,000 L tank

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

TECHNICAL DATA

**Connection:** MF3/4" BSP thread

|                        |           |
|------------------------|-----------|
| TAC-1000 · Adapter nut | 807106003 |
|------------------------|-----------|



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



## 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



## 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

# 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  |
| Thermal ticket printer interna (for metal cabinet and TOTEM models) | FE006002  |
| 700 VA / 560 W ONLINE UPS                                           | 805001002 |

GK-7 Optional

|                         |           |
|-------------------------|-----------|
| PC memory key converter | 251208003 |
|-------------------------|-----------|

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

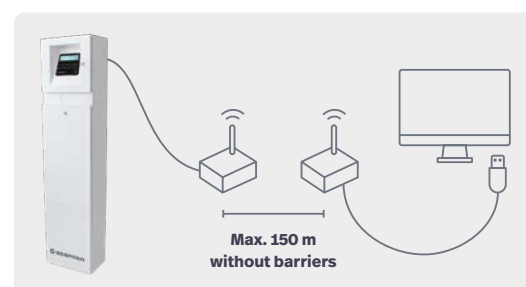
### ZIGBEE-USB (wireless)

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 |



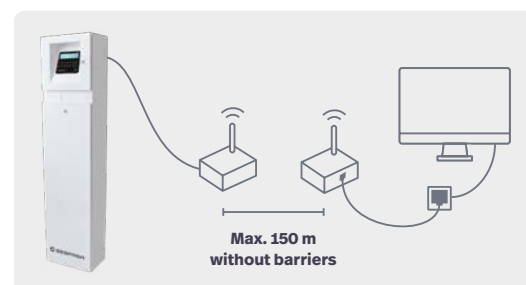
### ZIGBEE-ETHERNET (wireless)

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 |



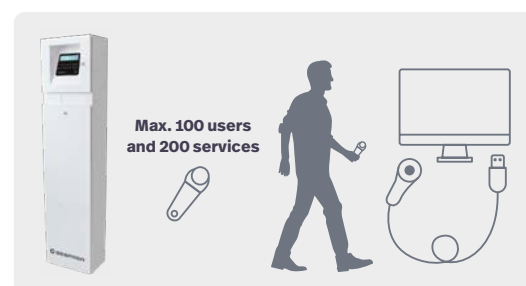
### MEMORY KEY (iButton)

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 |



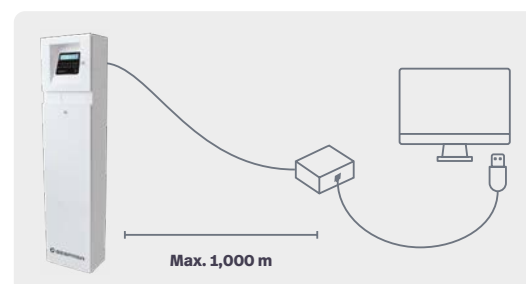
### USB cable

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 |

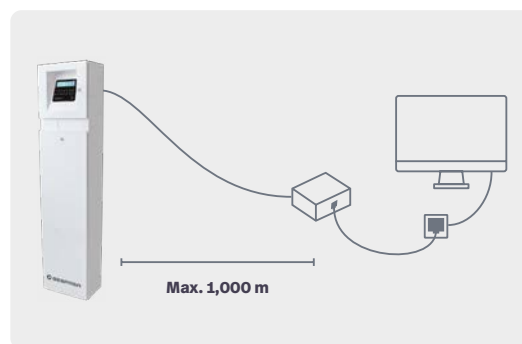
## DieselPlus memory key

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

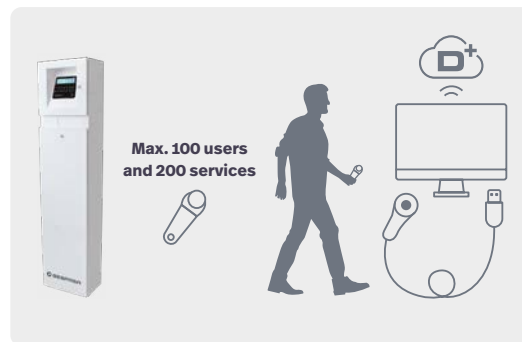
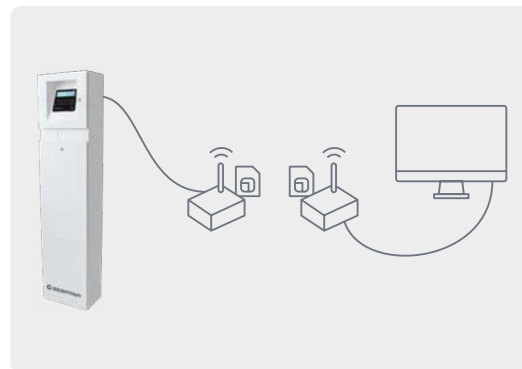
|                       |           |
|-----------------------|-----------|
| DIESELPLUS MEMORY KEY | 257500000 |
|-----------------------|-----------|



## 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 |
|-------------------------|-----------|

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 |

# 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

FUNCTIONALITIES

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

### Stock control

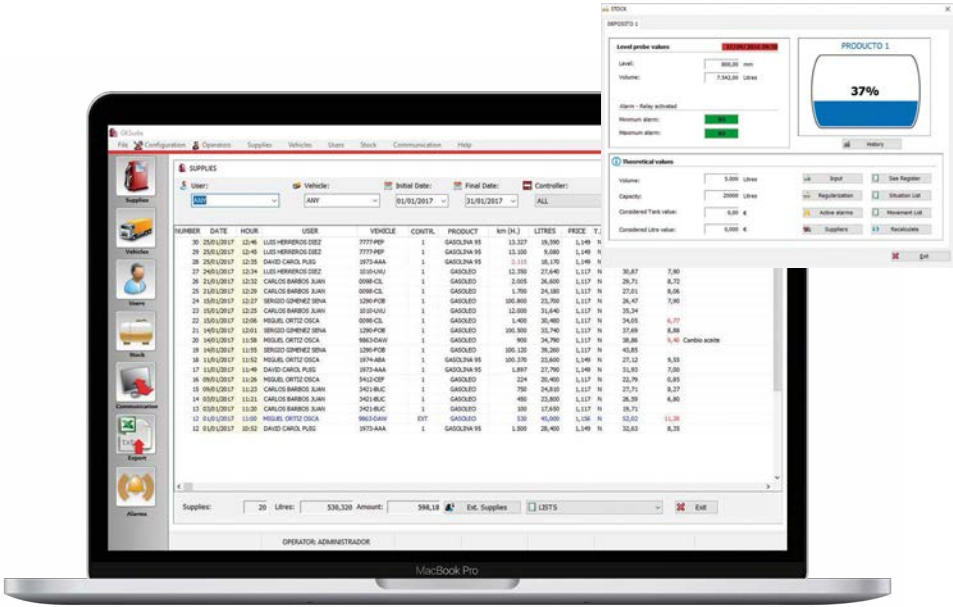
Consult the litres in the tank and their cost. View the theoretical level or the real one installing the Genius level indicator.

### 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



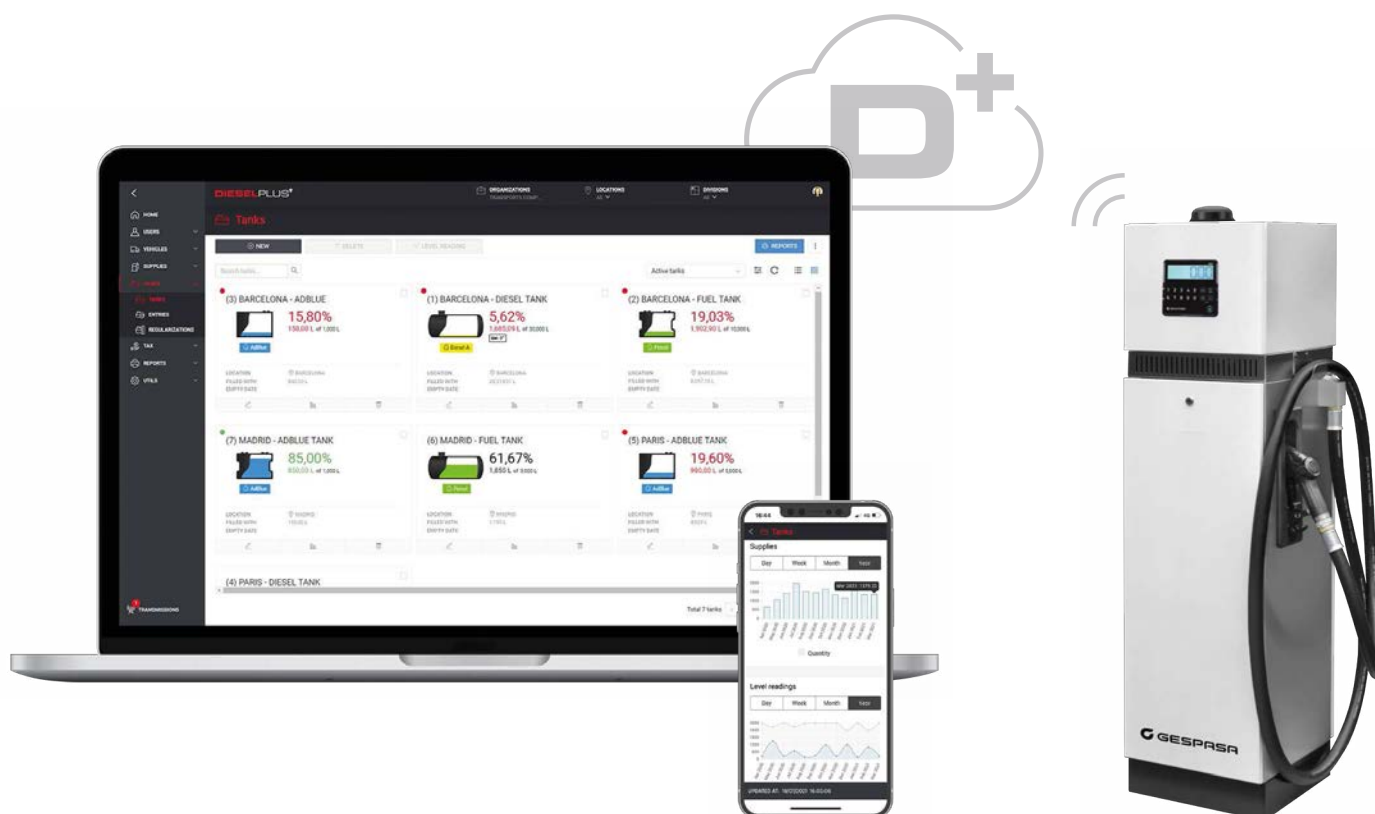
Establish a hierarchical level of users with restricted accesses and privileges. Assign limits, regular consumption or fluids to be supplied to the vehicle or user.

|                                                        |           |
|--------------------------------------------------------|-----------|
| 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 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. It includes a desktop view of the supply management dashboard, a mobile app for monitoring tank levels and consumption, and a diagram of the D+API integration hub connecting to SAP, Oracle, and Microsoft Dynamics 365.

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.

Geolocator 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

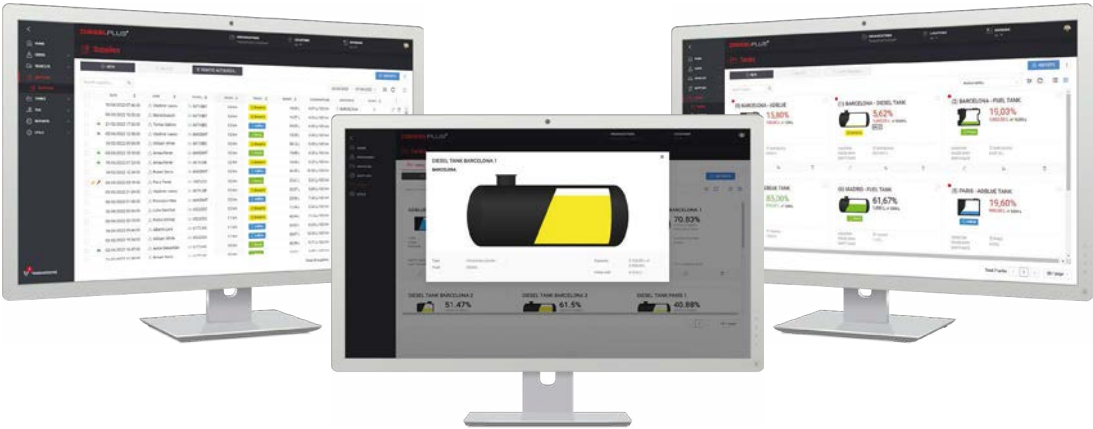


The last software version is always available without any intervention or additional cost.

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

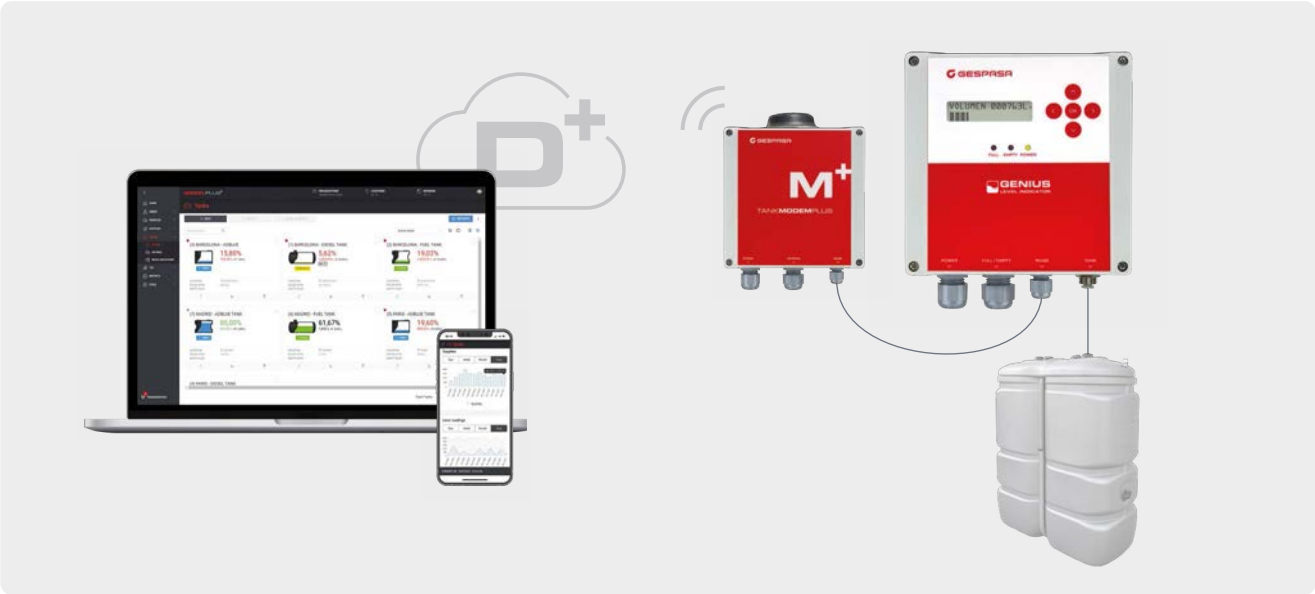
P. 177 → Tank Modem  
Plus Kit

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

|                                            |                                                                                     |
|--------------------------------------------|-------------------------------------------------------------------------------------|
| Accuracy:                                  | 1% (in height)                                                                      |
| Resolution:                                | 5 mm                                                                                |
| Max. tank height:                          | 4 m                                                                                 |
| Level reading:                             | in height (mm or inches) or volume (litres or gallons)                              |
| Protection:                                | IP-55                                                                               |
| Power:                                     | 230 VAC · 110 VAC · 12-32 VDC                                                       |
| Communication to external device:          | via MODBUS RTU                                                                      |
| Connection to DieselPlus via RS-485 cable: | up to 16 Genius connected to the same Tank Modem Plus                               |
| Connection to GKSuite:                     | 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 |
|-------------------------------------------------------------------------------------------------------------|-----------|

# 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

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Accuracy:                          | ± 1% mm (in the level tank height)   |
| Standard resolution:               | 5 mm                                 |
| Measuring range:                   | 100-4,000 mm                         |
| Reading frequency:                 | 1 transmission per hour              |
| Power supply:                      | 3.6 V lithium battery                |
| Protection:                        | IP-65                                |
| Working temperature:               | -10 °C / +50 °C                      |
| Installation:                      | 2" M thread or 4-screw fixation      |
| Connection to DieselPlus via GPRS: | automatic and wireless communication |
| Dimensions (approx.):              | 100x100x215 mm                       |
| Weight (approx.):                  | 0.4 kg                               |

COMPONENTS

- › Internal lithium battery of easy user-replacement 4-year estimated life

|                                   |           |
|-----------------------------------|-----------|
| GPRS Dolphin gauge                | 258200300 |
| Dolphin DieselPlus annual licence | 670800500 |

ATG Ex level gauge

communication via RS-485 cable      ±0.5 mm accuracy

P. 173 → DieselPlus  
Cloud Software  
  
P. 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 mangnetostrictive 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

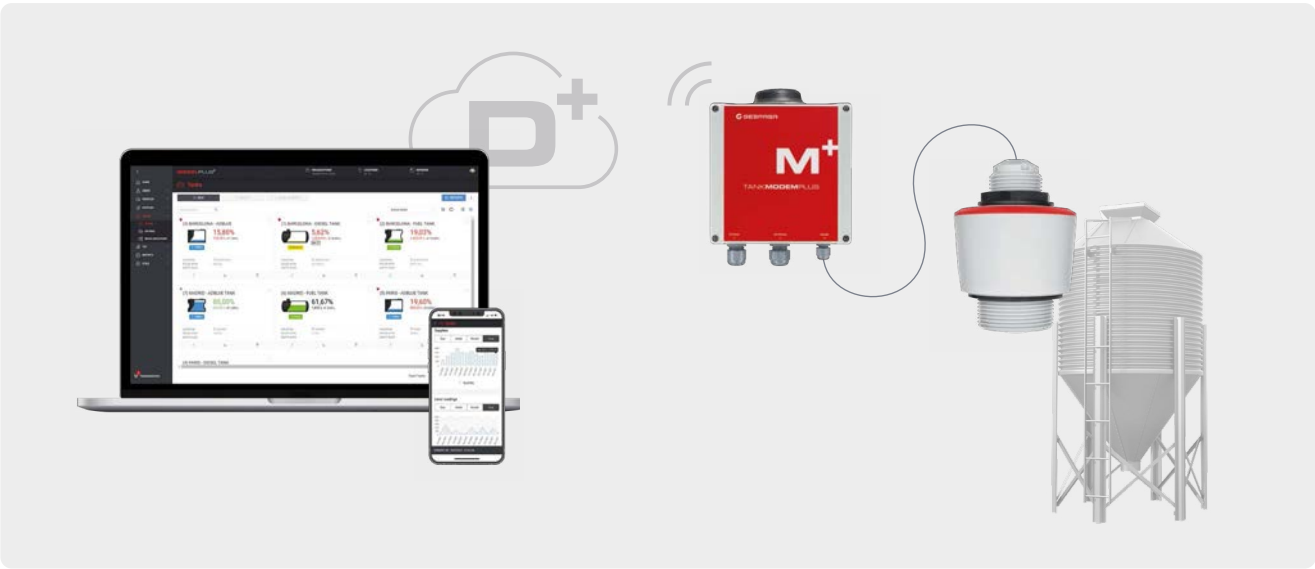
P. 177 → Tank Modem  
Plus Kit

## 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. Mesuarement 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 |

P. 173 → DieselPlus  
Cloud Software  
  
P. 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 |
|-----------------------------------|-----------|

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 ½" level indicator | 801901001 |
|----------------------|-----------|

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 |
|----------------------------|-----------|

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

|                          |                |
|--------------------------|----------------|
| Inlet:                   | 110 to 230 VAC |
| Max. consumption:        | 10 mA          |
| Max. intensity in relay: | 8 A            |

COMPONENTS

- › Free voltage relay
- › Visual alarm (red LED · 5 mm)
- › Starting Visualization (green LED · 5 mm)

|               |           |
|---------------|-----------|
| Leak detector | 808302007 |
|---------------|-----------|



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

|                                |                                                |
|--------------------------------|------------------------------------------------|
| Acoustic emission:             | min. 70 db(A)                                  |
| Max. relay intensity:          | 2 A · 250 VAC (resistive)                      |
| Pump stop:                     | -410 to -450 mbar                              |
| Pump start:                    | -380 mbar                                      |
| Alarm activation:              | -325 to -355 mbar                              |
| Working temperature:           | -5 °C / + 50 °C                                |
| Voltage:                       | 100 - 240 VAC ±10 %                            |
| Power:                         | 10 VA                                          |
| Protection:                    | IP-30                                          |
| Electromagnetic compatibility: | EN 61000 noise immunity · CISPR22 interference |
| Dimensions (approx.):          | 202x70x230 mm                                  |
| Net weight (approx.):          | 1.1 kg                                         |

|                            |           |
|----------------------------|-----------|
| DFV · Vacuum leak detector | 808302006 |
|----------------------------|-----------|



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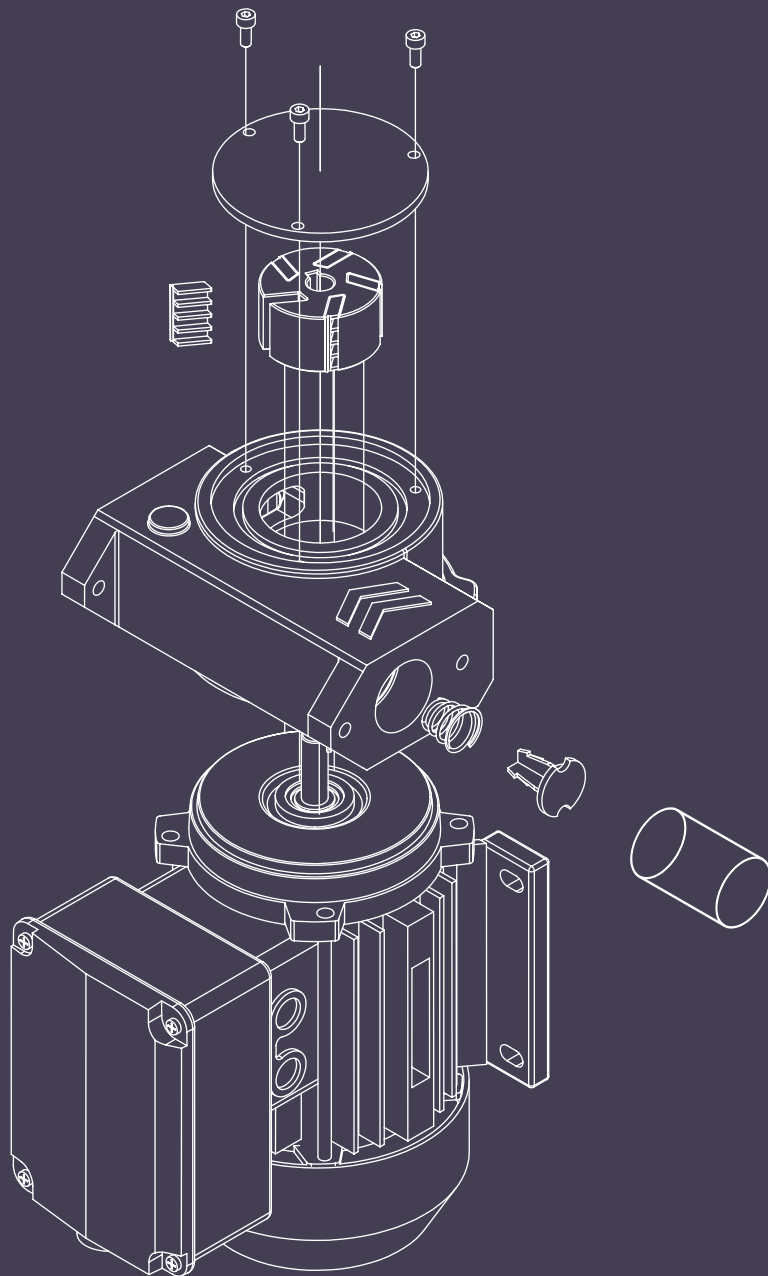
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