

FUEL

ADBLUE/DEF

LUBRICANT

GREASE

GGESPASA®
FLUID TECHNOLOGY
TÜRKİYE

Transfer · Filtering · Measurement · Control

**Equipment for fuel, lubricant, grease
and automotive fluids**

**General Catalogue
V15**



GESPASA
FLUID TECHNOLOGY
TÜRKİYE

Tel: +90 216 364 22 56

Fax: +90 216 415 37 49

Adres: Necip Fazıl Mh. Alemdağ Cd. No:900 Ümraniye-İstanbul

E-mail: info@gespasaturkiye.com

Web: www.gespasaturkiye.com



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We are still growing because of you!

New computing warehouse, new management software, new mechanizing metallic transformation machines, new assembly zone, new metrologic laboratory, new products and new markets.

We want to thank you, our friends and customers, the confidence you have in our company and products. We hope to cooperate with you in order to get a continuous improvement of our processes, products and human relationship.



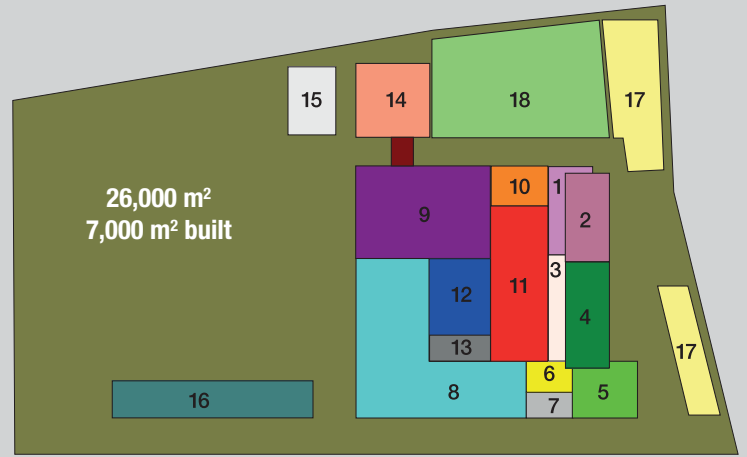
CATALOGUE V15

Important news:

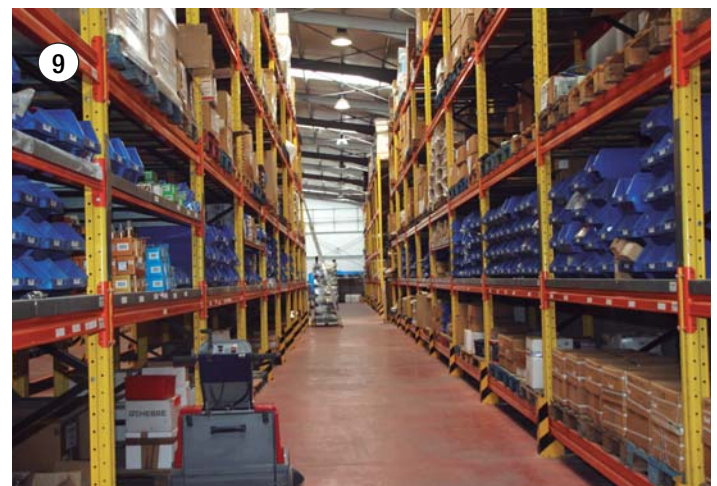
- » Equipment connected to the software “on demand” DieselPlus (pages 43-46)
- » Meters, controllers and level indicators with automatic connection and data base access trough the Internet (pages 32-48)
- » Oval gear meters. Wide range of meters with high accuracy for fuel, lubricants and AdBlue/DEF (pages 32-34)
- » FG-100 · Microfilter of 2-litre capacity with aluminium heading & high capacity aluminium microfilters (pages 54-56)
- » GENIUS level indicator with communication via cable or wireless (pages 50-52)
- » New range of pumps and kits for Adblue/DEF (pages 74-75)
- » Lubricant Management System (pages 96-97)



OUR FACILITIES



- | | |
|-----------------------------|---------------------------------|
| 1 - Showroom | 10 - Laboratory and calibration |
| 2 - Training | 11 - Assembly area |
| 3 - Meeting rooms | 12 - Mechanizing area |
| 4 - Offices | 13 - Moulds and tools |
| 5 - Plastic injection area | 14 - Paint |
| 6 - Prototype test area | 15 - Wear test area |
| 7 - S.A.T. | 16 - Tank warehouse |
| 8 - Metallic Transformation | 17 - Parking |
| 9 - Warehouse | 18 - «Oxygen» garden |



OUR FACILITIES





FUELS

50
l/min110
VAC230
VAC

IRON-50 230 V



mm (approx.)
185
146 225

kg (approx.)
8.5



Equivalence box / Flow curves [page 72](#)



*Note: Free outlet flow
The final flow is subject to the accessories and the installation conditions (refer to page 72).

DESCRIPTION

CODE

50 l/min 110 or 230 VAC

IRON-50 230 VAC
IRON-50 110 VAC

00190
00192

- Self-suction - self-priming. Eccentric of self-adjusting blades
- With recirculation bypass
- Suction: 5 m · Delivery: 30 m
- Consumption: 1.2-2 A
- Motor: 0.25 kW 230 VAC self-ventilated 50/60 Hz · single-phase · thermal protector
- IP-55 Protection
- S1 Continuous duty
- 3,000 rpm
- Connection through F1" (BSP) threads and flanges
- It has built in a cleaning steel filter of 350 µm (micron)
- ON/OFF luminous switch with IP-55 protection
- 3 m electric cable with approved plug
- Anti-rust treatment



■ Optional accessories (page 59)

- F1" aluminium flange complete kit

800003022

SE-50 230 V with MGE-110 without base



S-50 230 V with metallic base no. 4



mm (approx.)
325
450 300
kg (approx.)
16.8

*Nozzle and hose not included



Connection detail of the meter to the pump with a long union flange

S-50 230 V · PUMP WITH LITRE METER

Pump	Meter	Base		
		Without base	Universal support	Metallic no. 4
 IRON-50 230 VAC	 MG-80 · Mechanical	•	•	•
		•	•	•
 MGE-110 · Electronic	 MGE-110 · Electronic	•	•	•
		•	•	•

31594-CF00000
30844-CF00000
30702-CF00000

31612-CF00000
30845-CF00000
30713-CF00000

■ Optional accessories

- PSF-040 · Manual nozzle + 4 m Ø19 mm delivery hose with adapters in both ends
- PA-60 · Automatic nozzle + 4 m Ø19 mm delivery hose with adapters in both ends
- M1" long union flange complete kit in PA+Fibreglass (page 59)
- STAINLESS sieve-filter of 350 µm (micron) Ø33 mm (page 59)

803406072

803406073

800003027

460000003

■ Suction kits (refer to page 54)

KIT EQUIPE



mm (approx.)
585
620 330

KIT EQUIPE + MG-80

55050-CF00000

KIT EQUIPE + MGE-110

55051-CF00000

Composed of:

- IRON-50 230 VAC pump
- MG-80 mechanical or electronic MGE-110 meter
- FG-100 transparent microfilter of 2-litre capacity · 5 µm (micron) · water-repellent
- AS-5B outdoors cabinet made of steel with a lower opening to pass the hose, inner hanger for a nozzle and locking with key and/or padlock (padlock not included).

DESCRIPTION

CODE

50 l/min 230 VAC

S-50 230 V KIT + MG-80 + AS-5P
SE-50 230 V KIT + MGE-110 + AS-5P

55110-CF00000
 55111-CF00000

Composed of:

- IRON-50 230 VAC pump
- MG-80 mechanical or MGE-110 electronic meter
- AS-5P outdoors cabinet made of steel with a lower opening to pass the hose, with nozzle hanger and micro-switch, stopping automatically the pump when the nozzle is hung, and locking with key and/or padlock (*padlock not included*).








50 l/min
110 VAC
230 VAC

HORIZONTAL COMPLETE KITS WITH IRON-50 230 V PUMP

The horizontal kits are equipped with:

- IRON-50 230 VAC pump (*with or without litre meter*)
- Manual or automatic nozzle
- Accessories:
 - 4 m Ø3/4" antistatic double layer delivery hose special for diesel, with adapters in both ends
 - 1.70 m Ø25 mm hose special for diesel
 - 2 M1"x25PP adapters
 - 2 25x40 mm brackets
 - PP lower filter

Pump	Accessories	Meter	Nozzle	
 IRON-50 230 VAC				
•	•	Without meter	•	•
•	•	 Mechanical MG-80	•	•
•	•	 Electronic MGE-110	•	•






16000-CF00000
 16000-CF00001
 16001-CF00000
 16001-CF00001
 16002-CF00000
 16002-CF00001



VERTICAL COMPLETE KITS WITH TELESCOPIC TUBE AND IRON-50 230 V PUMP

The vertical kits are equipped with:

- IRON-50 230 VAC pump (*with or without litre meter*)
- Manual or automatic nozzle
- Accessories:
 - M1" F1 1/4" telescopic tube kit, height 1.90 m with filter built in
 - 4 m Ø3/4" antistatic double layer delivery hose special for diesel, with adapters in both ends
 - MF1" brass elbow

Pump	Accessories	Meter	Nozzle	
 IRON-50 230 VAC				
•	•	Without Meter	•	•
•	•	 Mechanical MG-80	•	•
•	•	 Electronic MGE-110	•	•

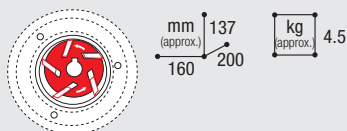
16003-CF00000
 16003-CF00001
 16004-CF00000
 16004-CF00001
 16005-CF00000
 16005-CF00001



SE-50V 230 V KIT + MGE-110

50
l/min12/24
VDC

IRON-50 (12 or 24 VDC)

+ Equivalence box / Flow curves [page 72](#)

*Note: Free outlet flow
The final flow is subject to the accessories and the installation conditions (refer to page 72).

DESCRIPTION

CODE

50 l/min 12 or 24 VDC

IRON-50 12 VDC
IRON-50 24 VDC

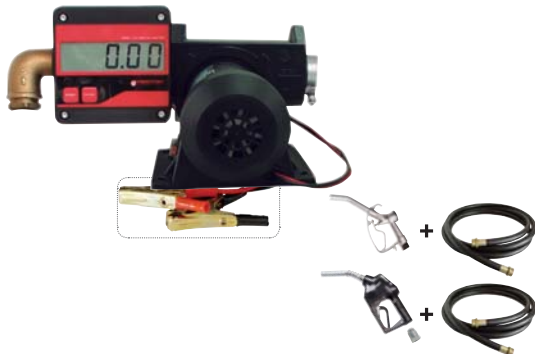
00001
00011

- Self-suction - self-priming. Eccentric of self-adjusting blades
- With recirculation bypass
- Suction: 2.5 m · Delivery: 20 m
- Consumption: 18-24 A (12 VDC) and 9-17 A (24 VDC)
- Motor: 0.30 kW (12 and 24 VDC) self-ventilated with dust protection
- 3,000 rpm
- Operation: S2 30'
- Connection through F1" (BSP) threads and flanges
- It has built in a cleaning steel filter of 350 µm (micron)
- ON/OFF luminous switch with IP-55 protección
- 2 m cable with clamps
- Anti-rust treatment

S-50 12/24 V with metallic base no. 4



SE-50 12/24 V + MGE-110 without base



S-50 BATTERY · PUMP WITH LITRE METER

Pump		Meter	Base
IRON-50			
12 VDC	24 VDC		Metallic no. 4
•	•	Mechanical MG-80	
•	•		
•	•	Electronic MGE-110	
•	•		

31014-CF00000
31014-CF00001
30011-CF00000
30011-CF00001

31273-CF00000
31273-CF00001
30412-CF00000
30412-CF00001

■ Optional accessories:

- PSF-040 · Manual nozzle + 4 m Ø19 mm delivery hose with adapters in both ends
- PA-60 · Automatic nozzle + 4 m Ø19 mm delivery hose with adapters in both ends

803406072

803406073

DIESEL BATTERY KIT 12 or 24 VDC



mm (approx.)
165
347 350

kg (approx.)
7.50

DIESEL BATTERY KIT 12 VDC
DIESEL BATTERY KIT 24 VDC

14193-CF00000
14193-CF00001

- IRON-50 12 or 24 VDC pump
- PSF-040 · Manual aluminium nozzle with F1" swivel and curved spout
- 4 m Ø19 mm double layer delivery diesel hose with adapters in both ends
- PP Lower filter with STAINLESS mesh
- 2 25x40 mm brackets
- MF1" 90° brass elbow
- 1" PP adapter
- It is supplied with a printed box.

DESCRIPTION

CODE

50 l/min 12 or 24 VDC

HORIZONTAL COMPLETE KITS WITH IRON-50 12 or 24 VDC PUMP

The horizontal kits are equipped with:

- IRON-50 12 or 24 VDC pump (with or without litre meter)
- Manual or automatic nozzle
- Accessories:
 - 4 m Ø19 mm antistatic double layer delivery hose special for diesel, with adapters in both ends
 - 1.70 m Ø21 mm hose special for diesel
 - M3/4"x26PP adapter
 - 2 23x35 mm bracket
 - PP lower filter

Pump		Accessories	Meter	Nozzle	
IRON-50 12 VDC	24 VDC			Manual PSF-040	Automatic PA-60 (swivel included)
•	•	•	Without Meter	•	•
•	•	•		•	•
•	•	•		•	•
•	•	•	Mechanical MG-80	•	•
•	•	•		•	•
•	•	•		•	•
•	•	•	Electronic MGE-110	•	•
•	•	•		•	•
•	•	•		•	•

- 16024-CF00000
- 16024-CF00001
- 16024-CF00002
- 16024-CF00003
- 16025-CF00000
- 16025-CF00001
- 16025-CF00002
- 16025-CF00003
- 16026-CF00000
- 16026-CF00001
- 16026-CF00002
- 16026-CF00003



50
l/min

12/24
VDC

VERTICAL COMPLETE KITS WITH TELESCOPIC TUBE AND IRON-50 12 or 24 VDC PUMP

The vertical kits are composed of:

- IRON-50 12 or 24 VDC pump (with or without litre meter)
- Manual or automatic nozzle
- Accessories:
 - M1" F1 1/4" telescopic tube kit, height 1.90 m with filter built in
 - 4 m Ø19 mm antistatic double layer delivery hose special for diesel, with adapters in both ends

Pump		Accessories	Meter	Nozzle	
IRON-50 12 VDC	24 VDC			Manual PSF-040	Automatic PA-60 (swivel included)
•	•	•	Without Meter	•	•
•	•	•		•	•
•	•	•		•	•
•	•	•	Mechanical MG-80	•	•
•	•	•		•	•
•	•	•		•	•
•	•	•	Electronic MGE-110	•	•
•	•	•		•	•
•	•	•		•	•

- 16027-CF00000
- 16027-CF00001
- 16027-CF00002
- 16027-CF00003
- 16028-CF00000
- 16028-CF00001
- 16028-CF00002
- 16028-CF00003
- 16029-CF00000
- 16029-CF00001
- 16029-CF00002
- 16029-CF00003



SE-50V BATTERY KIT + MGE-110

75
l/min

230
VAC

0,5
kW

IRON-75



+ Equivalence box / Flow curves [page 72](#)



*Note: Free outlet flow
The final flow is subject to the accessories and the installation conditions (refer to page 72).

DESCRIPTION

CODE

75 l/min 230 VAC

IRON-75 230 VAC

00350

- Self-suction - self-priming. Eccentric of self-adjusting blades
- With recirculation bypass
- Suction: 5 m · Delivery: 30 m
- Consumption: 1.9-4.5 A
- Motor: 0.5 kW 230 VAC self-ventilated 50/60 Hz single-phase
- With thermal protector
- S1 Continuous duty
- IP-55 Protection
- 3,000 rpm
- Connection through F1" (BSP) threads and flanges
- It has built in a cleaning steel filter of 350 µm (micron).
- ON/OFF luminous switch
- 3 m electric cable with approved plug
- Anti-rust treatment



- Optional accessories ([page 59](#))
 - F1" aluminium flange complete kit



800003022

SE-75 + MGE-110 without base



*Nozzle and hose not included

S-75 with metallic base no. 4






Connection detail of the meter to the pump with a long union flange

Suction valve with check valve and filter

Suction kit with anti-siphon valve

FUP-1 filter

S-75 · PUMP WITH LITRE METER

Pump	Meter	Base		
		without base	Universal support	Metallic no. 4
 IRON-75 230 VAC	 Mechanical MGE-80	●	●	●
		●	●	●
 Electronic MGE-110	Electronic MGE-110	●	●	●
		●	●	●

31930-CF00000
33290-CF00000
33300-CF00000

31931-CF00000
33291-CF00000
33301-CF00000

Optional accessories

- PSF-040 · Manual nozzle + 4 m Ø25 mm delivery hose with adapters in both ends
- PA-80 · Automatic nozzle + 4 m Ø25 mm delivery hose with adapters in both ends
- Suction kit with check valve and 1 1/4" filter + 3 m hose
height 1.65 m ([page 58](#))
height 1.90 m ([page 58](#))
- Suction kit with check valve and 1 1/4" filter, ball valve and anti-siphon valve + 3 m hose
height 1.65 m ([page 58](#))
height 1.90 m ([page 58](#))
- FUP-1 FF1" of 350 µm (micron) ([page 56](#))

803406074

803406075

35520

35530

35522

35532

66030

DESCRIPTION

CODE

75 l/min 230 VAC

S-75 230 VAC KIT + MG-80 + AS-5P
SE-75 230 VAC KIT + MGE-110 + AS-5P

55250-CF00000
 55251-CF00000






It is equipped with:

- IRON-75 230 VAC pump
- MG-80 mechanical or MGE-110 electronic meter
- AS-5P outdoors cabinet made of steel with a lower opening to pass the hose, with nozzle hanger and micro-switch, stopping automatically the pump when the nozzle is hung, and locking with key and/or padlock (*padlock not included*).

HORIZONTAL COMPLETE KITS WITH IRON-75 230 V PUMP

The horizontal kits are equipped with:

- IRON-75 230 VAC pump (*with or without litre meter*)
- Manual or automatic nozzle
- Accessories:
 - 4 m Ø25 mm antistatic double layer delivery hose special for diesel, with adapters in both ends
 - 1.70 m Ø25 mm hose special for diesel
 - 1" York filter
 - 2 23x40 mm brackets
 - 2 M1"x25 PP adapters
 - FF1" brass union

Pump	Accessories	Meter	Nozzle	
 IRON-75 230 VAC				
		Without Meter		
		 Mechanical MG-80		
		 Electronic MGE-110		






16006-CF00000
 16006-CF00001
 16007-CF00000
 16007-CF00001
 16008-CF00000
 16008-CF00001



VERTICAL COMPLETE KITS WITH TELESCOPIC TUBE AND IRON-75 230 V PUMP

The vertical kits are equipped with:

- IRON-75 230 VAC pump (*with or without litre meter*)
- Manual or automatic nozzle
- Accessories:
 - M1" F1 1/4" telescopic tube kit, height 1.90 m with filter built in
 - 4 m Ø25 mm antistatic double layer delivery hose special for diesel, with adapters in both ends

Pump	Accessories	Meter	Nozzle	
 IRON-75 230 VAC				
		Without Meter		
		 Mechanical MG-80		
		 Electronic MGE-110		

16009-CF00000
 16009-CF00001
 16010-CF00000
 16010-CF00001
 16011-CF00000
 16011-CF00001



SE-75V 230 V KIT + MGE-110

75
l/min

230
VAC

0,5
kw

80
l/min

12/24
VDC

AG-90 12 or 24 VDC



mm (approx.) 175 165 350
kg (approx.) 15,5

AG-90 12 or 24 VDC with switch



Equivalence box / Flow curves [page 72](#)

*Note: Free outlet flow
The final flow is subject to the accessories and the installation conditions (refer to page 72).

DESCRIPTION

80 l/min 12 or 24 VDC

- AG-90 12 VDC
- AG-90 24 VDC
- AG-90 12 VDC WITH SWITCH
- AG-90 24 VDC WITH SWITCH

CODE

- 00040
- 00050
- 00042
- 00052

- Self-suction - self-priming. Eccentric of self-adjusting blades
- With recirculation bypass
- Suction: 2.5 m · Delivery: 20 m
- Consumption: 35-53 A (12 VDC) and 24-32 A (24 VDC)
- Motor: 0.37 kW (12 and 24 VDC) self-ventilated, dust protected
- Tropicalised
- Continuous duty
- IP-55 Protection
- 1,500 rpm
- Connection through F1" (BSP) threads and flanges
- 3 m cable with clamps
- Anti-rust treatment



- Optional accessories ([page 59](#))
- F1" aluminium flange complete kit

800003022

SAGE-90 + MGE-110 without base



SAG-90 with metallic base no. 4



mm (approx.) 325 375 450
kg (approx.) 23.6



Connection detail of the meter to the pump with a long union flange



■ Optional accessories

- PSF-040 · Manual nozzle + 4 m Ø25 mm delivery hose with adapters in both ends
- PA-80 · Automatic nozzle + 4 m Ø25 mm delivery hose with adapters in both ends
- Suction kit with check valve and 1 1/4" filter + 3 m hose
height 1.65 m ([page 58](#))
height 1.90 m ([page 58](#))
- Suction kit with check valve and 1 1/4" filter, ball valve and anti-siphon valve + 3 m hose
height 1.65 m ([page 58](#))
height 1.90 m ([page 58](#))
- FUP-1 FF1" of 350 µm (micron) ([page 56](#))

803406074





803406075

35520
35530

35522
35532

66030

SAG-90 · PUMP WITH LITRE METER

Pump	Meter	Base		
		without base	Universal support	Metallic no. 4
 AG-90 12 VDC 24 VDC	 Mechanical MG-80	•	•	•
		•	•	•
•		•	•	
•		•	•	
•		•	•	
•		•	•	
 AG-90 12 VDC 24 VDC	 Electronic MGE-110	•	•	•
		•	•	•
•		•	•	
•		•	•	
•		•	•	
•		•	•	

31090-CF00000
31090-CF00001
33120-CF00000
33120-CF00001
30120-CF00000
30120-CF00001

31332-CF00000
31332-CF00001
33180-CF00000
33180-CF00001
30474-CF00000
30474-CF00001

DESCRIPTION

CODE

80 l/min 12 or 24 VDC

HORIZONTAL COMPLETE KITS WITH AG-90 12 or 24 VDC PUMP

The horizontal kits are equipped with:

- AG-90 12 or 24 VDC pump (with or without litre meter)
- Manual or automatic nozzle
- Accessories:
 - 4 m Ø25 mm antistatic double layer delivery hose special for diesel, with adapters in both ends
 - 1.70 m Ø25 mm hose special for diesel
 - 1" York filter
 - 2 25x40 mm brackets
 - 2 M1"x25 PP adapters
 - FF1" brass union

Pump		Accessories	Meter	Nozzle	
12 VDC	24 VDC			Manual PSF-040	Automatic PA-80 (swivel included)
•	•	•	Without meter	•	•
•	•	•		•	•
•	•	•		•	•
•	•	•	Mechanical MG-80	•	•
•	•	•		•	•
•	•	•		•	•
•	•	•	Electronic MGE-110	•	•
•	•	•		•	•
•	•	•		•	•

- 16012-CF00000
- 16012-CF00001
- 16012-CF00002
- 16012-CF00003
- 16013-CF00000
- 16013-CF00001
- 16013-CF00002
- 16013-CF00003
- 16014-CF00000
- 16014-CF00001
- 16014-CF00002
- 16014-CF00003



80 l/min

12/24 VDC

VERTICAL COMPLETE KITS WITH TELESCOPIC TUBE AND AG-90 12 or 24 VDC PUMP

The vertical kits are equipped with:

- AG-90 12 or 24 VDC pump (with or without litre meter)
- Manual or automatic nozzle
- Accessories:
 - M1" F1 1/4" telescopic tube kit, height 1.90 m with filter built in
 - 4 m Ø25 mm antistatic double layer delivery hose special for diesel, with adapters in both ends

Pump		Accessories	Meter	Nozzle	
12 VDC	24 VDC			Manual PSF-040	Automatic PA-80 (swivel included)
•	•	•	Without Meter	•	•
•	•	•		•	•
•	•	•		•	•
•	•	•	Mechanical MG-80	•	•
•	•	•		•	•
•	•	•		•	•
•	•	•	Electronic MGE-110	•	•
•	•	•		•	•
•	•	•		•	•

- 16015-CF00000
- 16015-CF00001
- 16015-CF00002
- 16015-CF00003
- 16016-CF00000
- 16016-CF00001
- 16016-CF00002
- 16016-CF00003
- 16017-CF00000
- 16017-CF00001
- 16017-CF00002
- 16017-CF00003



100
l/min230
VAC1
kW

mm (approx.) 245
365 165

kg (approx.) 15.15

➤ Equivalence box / Flow curves [page 72](#)



*Note: Free outlet flow
The final flow is subject to the accessories and the installation conditions (refer to page 72).

DESCRIPTION

CODE

100 l/min 230 VAC

AG-100 (1 kW) 230 VAC

00360

- Self-suction - self-priming. Eccentric of self-adjusting blades
- With recirculation bypass
- Suction: 5 m · Delivery: 30 m
- Consumption: 4-6 A
- Motor: 1 kW 230 VAC 50/60 Hz self-ventilated · single-phase
- With thermal protector
- IP-55 protection
- S1 continuous duty
- 1,500 rpm
- Connection through F1" (BSP) threads and flanges
- ON/OFF luminous switch
- 3 m electric cable with approved plug
- Anti-rust treatment



- Optional accessories ([page 59](#))
 - F1" aluminium flange complete kit

80003022

SAGE-100 + MGE-110 without base



SAG-100 with metallic base no. 4



mm (approx.) 370
480 325

kg (approx.) 24.1



Connection detail of the meter to the pump with a long union flange



■ Optional accessories

- PSF-040 · Manual nozzle + 4 m Ø25 mm delivery hose with adapters in both ends
- PA-80 · Automatic nozzle + 4 m Ø25 mm delivery hose with adapters in both ends
- Suction kit with check valve and 1 1/4" filter + 3 m hose
height 1.65 m ([page 58](#))
height 1.90 m ([page 58](#))
- Suction kit with check valve and 1 1/4" filter, ball valve and anti-siphon valve + 3 m hose
height 1.65 m ([page 58](#))
height 1.90 m ([page 58](#))
- FUP-1 FF1" of 350 µm (micron) ([page 56](#))

SAG-100 230 VAC · PUMP WITH LITRE METER

Pump	Meter	Base		
 AG-100 230 VAC	 Mechanical MG-80	without base	Universal support	Metallic no. 4
		•	•	•
•	•	•	•	•
 Electronic MGE-110	 Electronic MGE-110	without base	Universal support	Metallic no. 4
		•	•	•
•	•	•	•	•
•	•	•	•	•

31940-CF00000
33310-CF00000
33320-CF00000

31941-CF00000
33311-CF00000
33321-CF00000

803406074

803406075

35520
3553035522
35532

66030

DESCRIPTION

CODE

100 l/min 230 VAC

SAG-100 KIT + MG-80 + AS-5
SAGE-100 KIT + MGE-110 + AS-5

55040-CF00000
55041-CF00000






It is equipped with:

- AG-100 230 VAC pump
- MG-80 mechanical or electronic MGE-110 meter
- AS-5B outdoors cabinet made of steel with a lower opening to pass the hose, inner hanger for a nozzle and locking with key and/or padlock (*padlock not included*).

HORIZONTAL COMPLETE KITS WITH AG-100 PUMP

The horizontal kits are equipped with:

- AG-100 230 VAC pump (*with or without litre meter*)
- Manual or automatic nozzle
- Accessories:
 - 4 m Ø25 mm antistatic double layer delivery hose special for diesel, with adapters in both ends
 - 1.70 m Ø25 mm hose special for diesel
 - 1" York filter
 - 2 23x40 mm brackets
 - 2 M1"x25 PP adapters
 - FF1" brass union

Pump	Accessories	Meter	Nozzle	
 AG-100 230 VAC				
		without meter		
		 Mechanical MG-80		
		 Electronic MGE-110		

16018-CF00000
16018-CF00001
16019-CF00000
16019-CF00001
16020-CF00000
16020-CF00001








100 l/min
230 VAC
1 kW

VERTICAL COMPLETE KITS WITH TELESCOPIC TUBE AND AG-100 PUMP

The vertical kits are equipped with:

- AG-100 230 VAC pump (*with or without litre meter*)
- Manual or automatic nozzle
- Accessories:
 - M1" F1 1/4" telescopic tube kit, height 1.90 m with filter built in
 - 4 m Ø25 mm antistatic double layer delivery hose special for diesel, with adapters in both ends

Pump	Accessories	Meter	Nozzle	
 AG-100 230 VAC				
		Without Meter		
		 Mechanical MG-80		
		 Electronic MGE-110		

16021-CF00000
16021-CF00001
16022-CF00000
16022-CF00001
16023-CF00000
16023-CF00001



2 SELF-SUCTION EXPLOSIONPROOF PETROL PUMPS

50
l/min

12/24
VDC

230
VAC



IRON-50 Ex 230 VAC
IRON-50 Ex 12 or 24 VDC



mm (approx.) 155 165 265
kg (approx.) 11.4

Equivalence box / Flow curves [page 72](#)



*Note: Free outlet flow
The final flow is subject to the accessories and the installation conditions (refer to page 72).

DESCRIPTION

CODE

50 l/min 230 VAC · 12/24 VDC

IRON-50 Ex 230 VAC

10035

**IRON-50 Ex 12 VDC
IRON-50 Ex 24 VDC**

10063
10153

- Self-suction - self-priming, explosionproof, eccentric of self-adjusting blades
- With recirculation bypass
- Suction: 2.7 m
- Consumption: 1-1.8 A (230 VAC) / 20-27 A (12 VDC) · 10-14 A (24 VDC)
- 2,850 rpm (230 VAC) / 3,000 rpm (12 or 24 VDC)
- Motor: 0.18 kW 230 VAC - 50 Hz single-phase / 12 or 24 VDC · EExd
- With thermal protector
- IP-55 protection
- Motor zone classification: II 2G Ex d IIB T4 - Certificate ISSeP08 ATEX051X
- Operation: S2 30'
- Connection through F1" (BSP) threads and flanges
- ON/OFF switch
- Anti-rust treatment

80
l/min

12
VDC

230
VAC



AG-800
AG-900



AG-800 mm (approx.) 155 165 350 kg (approx.) 17.4
AG-900 mm (approx.) 155 165 400 kg (approx.) 19

Equivalence box / Flow curves [page 72](#)



*Note: Free outlet flow
The final flow is subject to the accessories and the installation conditions (refer to page 72).

80 l/min 230 VAC · 12 VDC

AG-800 230 VAC

10040

AG-900 12 VDC

10070

- Self-suction - self-priming, explosionproof, eccentric with self-adjusting blades
- With recirculation bypass system
- Suction: 5 m
- Consumption: 2.3-3.5 A (230 VAC) · 42-50 A (12 VDC)
- 1,430 rpm (230 VAC) · 1,650 rpm (12 VDC)
- Motor: 0.37 kW 230 VAC 50 Hz single-phase or 12 VDC EExd
- Thermal protector
- IP-55 protection
- Motor zone classification: II 2G Ex d IIB T4 - Certificate ISSeP08 ATEX051X
- Operation: S2 30' (230 VAC) · S2 20' (12 VDC)
- Connection: F1" (BSP) threads and flanges
- ON/OFF Switch
- Anti-rust treatment



- **Optional accessories** ([page 59](#))
 - F1" aluminium flange complete kit

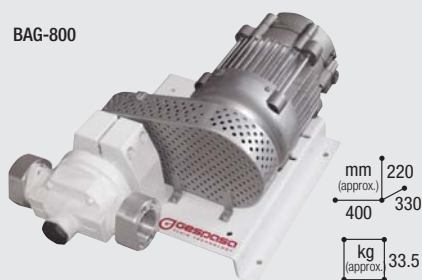
800003022

150
l/min

230/400
VAC

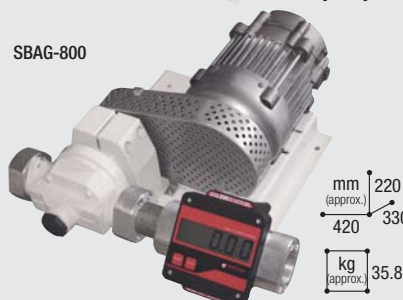


BAG-800



mm (approx.) 220 330 400
kg (approx.) 33.5

SBAG-800



mm (approx.) 220 330 420
kg (approx.) 35.8

Equivalence box / Flow curves [page 72](#)



*Note: Free outlet flow
The final flow is subject to the accessories and the installation conditions (refer to page 72).

150 l/min 230/400 VAC

**BAG-800 230/400 VAC
BAG-800 230 VAC**

27520
27580

- Self-suction - self-priming, explosionproof, eccentric with self-adjusting blades
- With recirculation bypass system
- Consumption: 4.5-6 A (230 VAC) 1.8-2.7 A (400 VAC)
- Motor: 1 kW 230/400 VAC 50 Hz Triphase
0.90 kW 230 VAC 50 Hz Single-phase
- Explosionproof (ATEX)
- 1,400 rpm · With thermal protector
- Operation: S1
- Bypass pressure: 3-3,5 bar
- Motor zone classification: II 2G EEx d IIB T3
- Motor certificate: TÜV 04 ATEX 2488 X
- Inlet/outlet connection: 1 1/2" (BSP)
- Anti-rust treatment

**SBAG-800E 230/400 VAC (BAG-800 + MGE-250)
SBAG-800E 230 VAC (BAG-800 + MGE-250)**

27530
27600

Supply kit composed of:

Self-suction bedplate pump with EExd (ATEX) motor and wheel system with MGE-250 electronic meter.

DESCRIPTION

CODE

SA · PUMP WITH MG-80AV LITRE METER · 50-80 l/min

SA-50 Ex 230 VAC · PUMP WITH LITRE METER	31950-CF00000
SA-50 Ex 230 VAC · PUMP WITH LITRE METER + BASE no. 4	33330-CF00000
SA-50 Ex 12 VDC · PUMP WITH LITRE METER	31960-CF00000
SA-50 Ex 12 VDC · PUMP WITH LITRE METER + BASE no. 4	33340-CF00000
SAG-800A Ex 230 VAC · PUMP WITH LITRE METER + BASE no. 4	33350-CF00000
SAG-900A Ex 12 VDC · PUMP WITH LITRE METER + BASE no. 4	33360-CF00000

■ Nozzle and hose not included (refer to page 57-58)

■ Optional accessories

- Universal support (page 60)
- Metallic base no. 4 (page 60)
- M1" complete long union flange kit in PA + Fibreglass (page 59)

800404259
800400011
800003027



80 l/min

230 VAC



HIGH FLOW PUMPS

- Bedplate self-suction vane pumps of high flow, positive displacement, constant flow, inaudible and heavy-duty
- The transfer is quick, uniform and inaudible.
- It is specially intended for the transfer of high volumes, S1 continuous duty for fuel tank charging and discharging, storage of fuel, hydrocarbon, petrol, diesel, kerosene and other non-corrosive liquids and without solid particles in suspension.
- All the pumps have built in the bypass valve.
- Working pressure: 3.5 bar
- Motor: EExd IIB T4 230/400 VAC 50 Hz · IP-55 protection, IP-55 or motor diesel

BDP-200 · F1 1/2" · EExd 10100

BDP-200 · F1 1/2" · IP-55 10101

- Flow: 200 l/min · Power: 2.2 kW
- Recommended tube diameters: suction 2" - delivery 2"

BDP-300 · F2 1/2" · EExd 10120

BDP-300 · F2 1/2" · IP-55 10121

- Flow: 300 l/min · Power: 2.2 kW
- Recommended tube diameters: suction 3" - delivery 3"

BDP-500 · F2 1/2" · EExd 10110

BDP-500 · F2 1/2" · IP-55 10111

- Flow: 500 l/min · Power: 4 kW
- Recommended tube diameters: suction 3" - delivery 3"

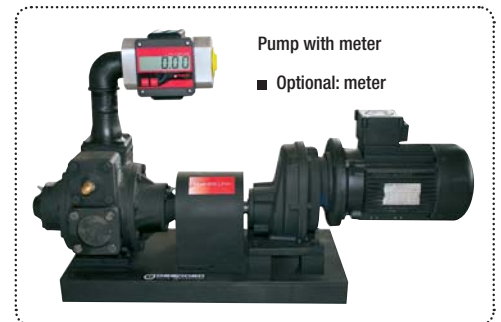
BDP-1000 · F3" · EExd 10130

BDP-1000 · F3" · IP-55 10131

- Flow: 1,000 l/min · Power: 7.5 kW
- Recommended tube diameters: suction 4" - delivery 4"
- Motor EExd IIB T4 400/660 VAC 50 Hz · IP-55 protection



BDP-200	mm (approx) 285 / 325 / 880	kg (approx) 85.5
BDP-300	mm (approx) 345 / 355 / 1000	kg (approx) 125
BDP-500	mm (approx) 345 / 365 / 1050	kg (approx) 148.5
BDP-1000	mm (approx) 405 / 420 / 1264	kg (approx) 227



DIESEL MOTOR

BDP-500 · F2 1/2" · Diesel motor 10113

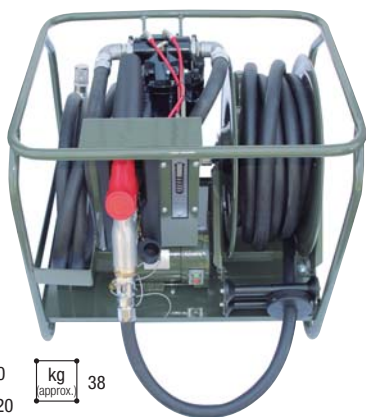
BDP-1000 · F3" · Diesel motor 10133

50
l/min

12/24
VDC



EPAE-50 Ex kit with hose-reel



mm (approx.) 620
450 520

kg (approx.) 38

Automatic nozzle



DESCRIPTION

CODE

PORTABLE KITS - 50 l/min 12/24 VDC

EPA-50 Ex 12 VDC KIT without hose-reel *
EPAE-50 Ex 12 VDC KIT with hose-reel of 10 m *

66220-CF00000
66230-CF00000

- The GESPASA portable aviation kit is a compact, independent and smooth kit, specially designed for the microfiltered dry fuel supply to helicopters and light aircrafts.
- This kit has built in a GESPASA pump of 12 or 24 VDC or 230 VAC and a separator filter with a filtering cartridge gauge, with or without hose-reel.

Technical Data:

- IRON-50 Ex 12 VDC self-suction pump
- Water absorbent microfilter with a filtering cartridge gauge, approved of aviation
- Differential manometer
- 4 m Ø19 mm suction hose
- Automatic nozzle special for aviation petrol
- STAINLESS connections
- 4 m earth cable with clamp
- Polyamide nozzle holder

System flow: 44 l/min

**It is also available at 24 VDC or 230 VAC.*

Petrol

EPG-50 Ex 12 VDC KIT + FG-100G MICROFILTER *
EPGE-50 Ex 12 VDC KIT + FG-100G MICROFILTER with hose-reel

66221-CF00000
66231-CF00000

- **Kit for the petrol transfer and filtering**
- This kit is similar to the above one with brass connections, the PA-80G standard nozzle, FG-100G microfilter of 5 µm (micron)
- It does not have built in the differential manometer.

**It is also available at 24 VDC or 230 VAC.*

Diesel

EPG-90 12 VDC KIT + FG-100 MICROFILTER *
EPGE-90 12 VDC KIT + FG-100 MICROFILTER with hose-reel *

66300-CF00000
66301-CF00000

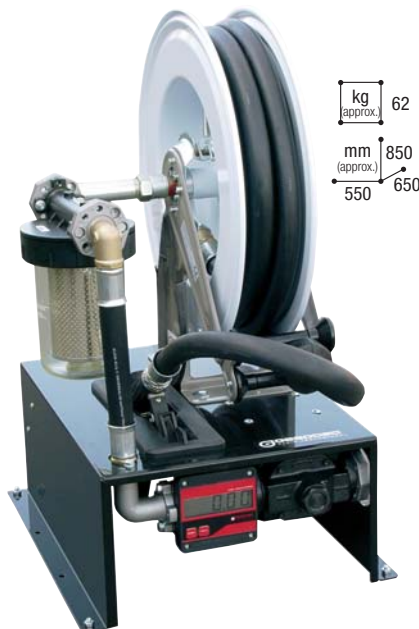
- **Kit for the diesel transfer and filtering**

Composed of:

- AG-90 12 VDC self-suction pump
- PA-120 · Automatic nozzle
- FG-100 · Transparent microfilter of 5 µm (micron)

**It is also available at 24 VDC or 230 VAC.*

TRUCK KIT · AG-90 24 VDC



kg (approx.) 62

mm (approx.) 850
550 650

FIXED TRANSFER AND FILTERING KITS

TRUCK KIT · AG-90 12 VDC
TRUCK KIT · AG-90 24 VDC

15750-CF00000
15750-CF00001

- **Fuel supply kit assembled in a fixed chassis for the fuel supply, filtering and measurement.**
It is suitable to supply fuel from a van or a truck.

Composed of:

- Hose-reel with 10 m Ø1" hose
- PA-80 · Automatic nozzle PA-80
- Nozzle holder
- AG-90 12 or 24 VDC self-suction pump · 80 l/min*
- ON/OFF switch
- Connection box for the connection battery cable
- FG-100 · Transparent microfilter of 5 µm (micron)
- MGE-110 · Electronic meter · Accuracy ±0.5 %

**Flow with Ø1 1/2" suction hose: 70 l/min*

DESCRIPTION

CODE

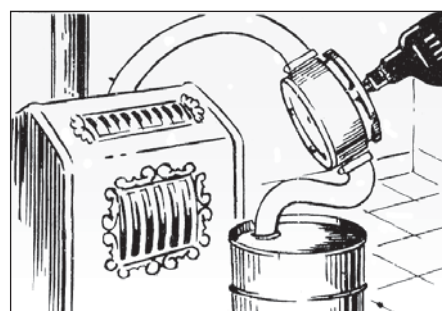
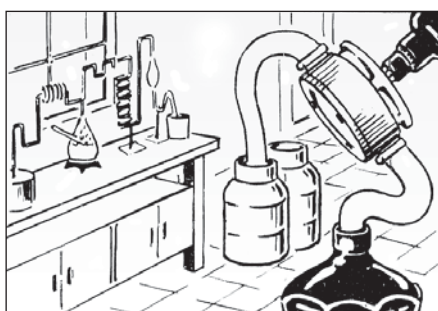
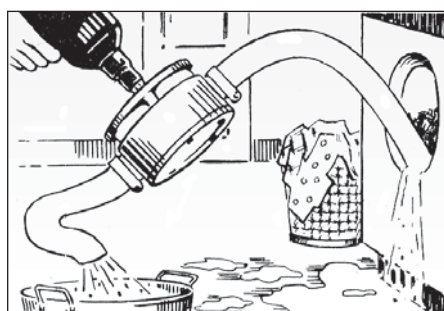
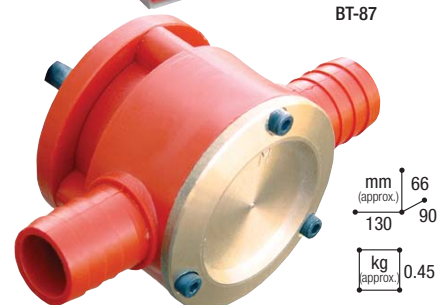
**BT-87 - SELF-SUCTION DRILL PUMP
CARDBOARD DISPLAY RACK with 6 BT-87 SELF-SUCTION DRILL PUMPS**

00100
00101

- Special for diesel, non-drinking water, herbicides, antifreeze...
- This small pump is a useful accessory to empty all type of baths, aquariums, toilet bowls, washing machines, flooded basements ...; it is also useful as caravanning auxiliary, laboratories, ... because of the liquid transfer through a drill or its built-in motor.
- It is adapted to any type of hand-held or professional drill (2,000/2,500 rpm); it can be connected to a hose of maximum Ø21 mm inner.
- The display rack is composed of 6 units with a printed box with EAN-13 bar code suitable for counters.

Technical Data:

- Eccentric, self-suction pump with self-adjusting blades
- Connection to hose of Ø21 mm
- Pump body with injected brass inner
- Stainless steel shaft and pin
- Plastic roller and blades
- The pump output varies according to the drill and the hose used.
- It is advisable to use a drill with minimum 650 W and 2,000 rpm with the hose with a maximum inner diameter of 21 mm.
- Self-suction height: 1.5 m (with a drill of 650 W · 2,500 rpm)
- Flow (approx.): 20 l/min (with a drill of 650 W · 2,500 rpm)
- High resistance dry operation

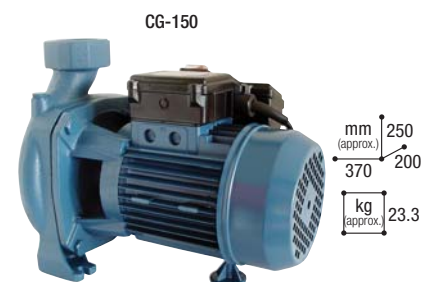


CENTRIFUGAL PUMP

CG-150 230 VAC · 100 to 500 l/min

02050




- Flow according to manometric height: from 100 to 500 l/min
- Maximum height: 25 m.c.a.
- Suction with check valve: 6 m
- Consumption: 5-9 A
- Motor: 1.1 kW 230-240 VAC self-ventilated 50 Hz single-phase
- 2,800 rpm
- S1 continuous duty
- Thermal protector
- Connection through F2" (BSP)



500
l/min

230
VAC

SCG-150 · PUMP WITH LITRE METER

Pump	Meter	Base
 CG-150	 Electronic MGE-250	 Metallic no. 3
•	•	•

31720
30970





DESCRIPTION

CODE

SELF-SUCTION DIAPHRAGM PUMPS

- Continuous use for water transfer at pressure
- Self-suction: 2 m
- Operation in dirt
- Automatic demand-pressure switch
- Connection through F3/8" (NPT) thread

Pump	Voltage	Joint type	Valves no.	Thermal protector	Intensity	Flow (l/min)	Pressure (bar)
AF-2012	12 VDC	NBR	2	NO	3.5 - 6 A	8	2.1
AF-2024	24 VDC	NBR	2	NO	1.5 A	8	1.7
AF-2220	230 VAC	NBR	2	NO	0.25 A	6	4.1
AF-4012	12 VDC	NBR	4	YES	7 A	12.5	2.5
AF-2012V	12 VDC	VITON	2	NO	3.5 - 6 A	8.7	2.1
AF-2024V	24 VDC	VITON	2	YES	3.5 A	8.7	2.1
AF-2220V	230 VAC	VITON	2	NO	0.25 A	6	4.1
AF-2036 AP	12 VDC	NBR	4	NO	7 A	6.8	6.6

07000
07050
07030
0702007060
07080
07070

07010

■ Optional:



- FF3/8" transparent vessel filter (page 56)

802705001

BP-5



BP-5 • MANUAL LEVER PUMP

04010

Manual lever pump for transferring diesel, all type of lubricants and other non-corrosive fluids from drums of 50 to 200 litres.

Technical Data:

- The pump body is made of aluminium as well as the discharging pipe.
- 880 mm metallic suction telescopic tube made of aluminium
- 2" connection adaptable to metallic drums of 50, 100 and 200 litres
- Nitrile or Viton joints
- Transfer capacity: 0.5 litres x piston-stroke (litres per lever stroke)

TMG-040

TMG-080



MANUAL BELLOW PUMPS

Made of plastic. They are suitable for the transfer of aggressive, chemical liquids, solvents, petrol, diesel, water and wine.

■ TMG-040

04060

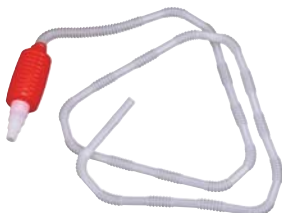
- 0.4 m tube for 50-litre drums
- Flow: 6 l/min (depending on the piston-stroke)
- Suitable for the storage of kerosene stoves

■ TMG-080

04050

- 0.8 m tube for 200-litre drums
- Flow: 20 l/min (depending on the piston-stroke)

TMG-150



■ TMG-150

04040

- 1.5 m flexible pump
- Flow: 6 l/min (depending on the piston-stroke)
- It is suitable to put in the vehicle tanks.

DESCRIPTION

CODE

BMP-1 - MANUAL DOUBLE ACTION PISTON PUMP

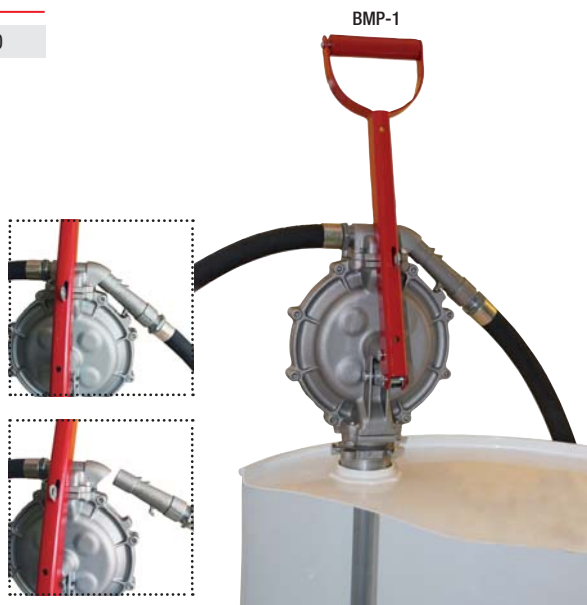
04020

The manual piston pump of double action is suitable for diesel, oil, fuel, alcohol, printing solvents and petrol.

It is supplied with a hole to hang the nozzle, the hose and the accessories so as to prevent the dirt and dust entry in the nozzle.

Technical Data:

- Capacity: 1 litre per stroke
- Inlet: 1" (NPT)
- Outlet: 3/4" (NPT)
- 2.5 m Ø3/4" petrol hose
- Drum plug: adjustable at 2"
- Suction tube: Ø33.5 mm x 1 m
- Aluminium body
- Stainless steel inlet
- Heavy-duty steel handle
- Self-lubricating sealing



BRM-88 - ROTARY ALUMINIUM PUMP
BRM-8880 (pump + MG-80 mechanical meter)

04030

34050

- Self-suction rotary pump for a continuous transfer of lubricants and fuels
- It is adaptable to drums from 50 to 200 litres.
- It has built in an M2" adapter adjustable to height for the drum fixation.

Technical Data:

- Type: rotary blade
- Capacity: 20 litres x 70 rounds
- Suction tube: Ø32 mm
- Discharging pipe: Ø25 mm
- Material:
 - body: tempered aluminium alloy
 - handle: aluminium die casting



DO NOT USE THE PUMP FOR ORGANIC SOLVENTS OR STRONG ALKALIS AND ACIDS THAT CAN DAMAGE THE RUBBER SEALS.



BRM-U - ROTARY PLASTIC PUMP

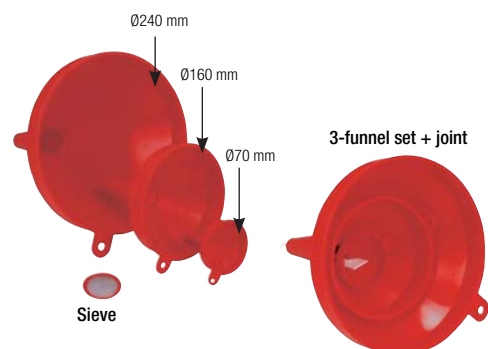
04120

PLASTIC FUNNELS

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

- Ø240 mm
- Ø160 mm
- Ø70 mm
- Ø52 mm funnel sieve (Ø240 & 160 mm stainless mesh) of 350 µm (micron)
- 3-funnel joint
- 3-funnel set of different diameter with joint

- 460000000
- 460500000
- 460100000
- 460000001
- 469000000
- 460700000



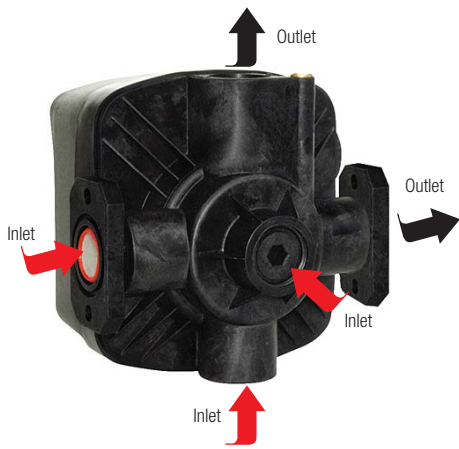
10-90
l/min

±1%



mm (approx.) 170
150

kg (approx.) 1.6



DESCRIPTION

MG-80 - MECHANICAL METER
MG-80V - MECHANICAL METER WITH VITON JOINTS

Diesel
Petrol

32000-CF00000
32070-CF00000

- Fireproof measuring chamber with oscillating disc
- Flow: 10-90 l/min
- Accuracy: ±1 %
- Partial indicator of 3 digits and totalizer of 6 digits
- Maximum operation pressure: 3.5 bar
- Maximum temperature: 60 °C
- Minimum temperature: -10 °C
- Polyamide + Fibreglass housing
- Connection 1" GAS (BSP) with 3 inlets and 2 outlets
- It is supplied with 2 additional Male/Female 1" GAS (BSP) adapters (other threads under order).
- The 1" GAS (BSP) red adapter has built in the filter-sieve of 350 µm (micron).
- It is suitable for hydrocarbon liquids (please ask for other fluids).
- For private use, not suitable for fiscal operations

Optional accessories

- FUP-1 FF1" filter of 350 µm (micron) (page 56)
- M1" long union flange complete kit in PA+Fibreglass (page 59)
- Ø33 mm sieve of 350 µm (micron) (page 31)
- MF1" adapter in PA + Fibreglass · BSP long thread
- Ø24x3.5 mm NBR joint
- MF1" adapter in PA + Fibreglass · BSP short thread with stainless sieve of 350 µm (micron)

66030
800003027
460000003
320004018
803100022
320004117



MG-80A



mm (approx.) 165
180 132

kg (approx.) 1.95

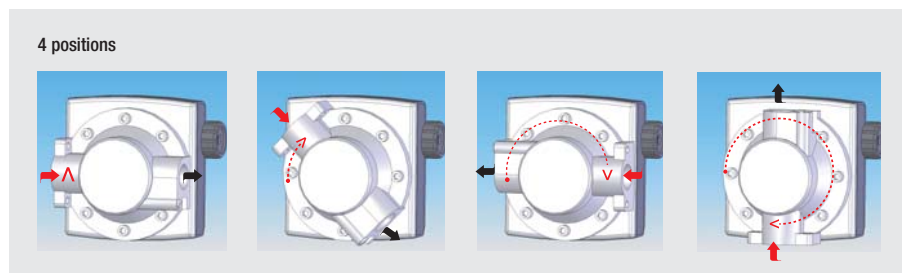


MG-80A - MECHANICAL ALUMINIUM METER
MG-80AV - MECHANICAL ALUMINIUM METER WITH VITON JOINTS

Diesel
Petrol

32300-CF00000
32340-CF00000

- **Made of aluminium and high quality plastic materials.** Its measuring chamber is fireproof of oscillating disc and it allows transferring any type of hydrocarbon liquids (please ask for other fluids).
- Aluminium body
- Flow: 10-90 l/min
- Accuracy: ±1 %
- Partial indicator of 3 digits and totalizer of 6 digits
- Maximum operation pressure: 5 bar
- Resistance pressure: 15 bar
- Maximum temperature: 60 °C
- Minimum temperature: -10 °C
- Polyamide + Fibreglass housing
- Inlet/outlet Connections: 1" GAS (BSP)
- Inlet connection through threads or flanges
- For private use, not suitable for fiscal operations



DESCRIPTION

CODE

ELECTRONIC GEAR METERS WITH ALUMINIUM BODY

Diesel

Lubricant

- Aluminium body
- Measurement through high accuracy oval gears
- 5-digit digital display of liquid crystal
- Partial indicator of 3 integers and 2 decimals and 5-digit totalizer
- Accuracy: $\pm 0.5\%$
- Max. temperature: 50 °C
- Min. temperature: -10 °C
- Button battery of long duration (approx. 4 years, according to its application)
- Low battery display

- Functions:
 - DISPLAY:** Display of the supplied litres (or the corresponding volume unit).
 - TOTAL:** Display of the supplied litre total (or the corresponding volume unit). Maximum: 99,999 litres
 - RESET**
- Calibration parameters and litre totalizer saved in PERMANENT memory

MGE-40 · 1/2" · ELECTRONIC GEAR METER

32350-CF00000

- Flow: 2-40 l/min
- Max. pressure: 50 bar
- Connection: F1/2"



2-40 l/min

$\pm 0.5\%$

MGE-110 · 1" · ELECTRONIC GEAR METER

32600-CF00000

- Flow: 5-110 l/min
- Max. pressure: 55 bar
- Connection through F1" thread or flange



5-110 l/min

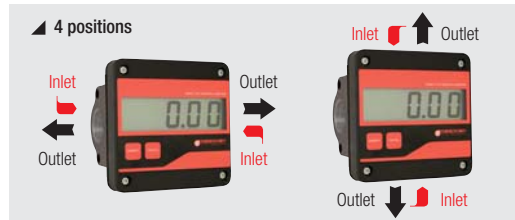
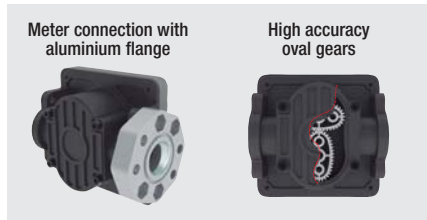
$\pm 0.5\%$



■ Optional

- F1" aluminium flange complete kit

800003036



Direct connection through flange to the GESPASA pumps



MGE-250 · 1" · ELECTRONIC GEAR METER
MGE-250 · 1 1/2" · ELECTRONIC GEAR METER

32503-CF00000
32503-CF00001

- Flow: 10-250 l/min (diesel)
10-150 l/min (lubricant)
- Max. pressure: 45 bar
- Connection: F1" or 1 1/2" (flange)
- *Display and electronics features same as the MGE-110 meter



10-250 l/min

$\pm 0.5\%$

MGE-400 · 2" · ELECTRONIC GEAR METER

32592-CF00000

- Flow: 15-400 l/min (diesel)
15-300 l/min (lubricant)
- Max. pressure: 45 bar
- Connection: F2"
- *Display and electronics features same as the MGE-110 meter



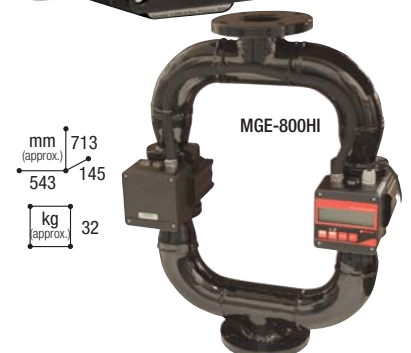
15-400 l/min

$\pm 0.5\%$

MGE-800HI · 3" · ELECTRONIC GEAR METER

32681-CF00000

- Voltage: 230 VAC
- Flow: 30-800 l/min
- Max. pressure: 45 bar
- Connection: F3"
- *Display and electronics features same as the MGE-110HI electronic meter (page 34)



30-800 l/min

$\pm 0.5\%$

MGE-110 HI

5-110
l/min

±0.5%

mm
(approx.)
150
126 127kg
(approx.)
1.5

1 2 3

Cable outlet for:

- 1 - 230 VAC
- 2 - Optional motor connection to switch it on or off
- 3 - Optional switch or hose hanger connection

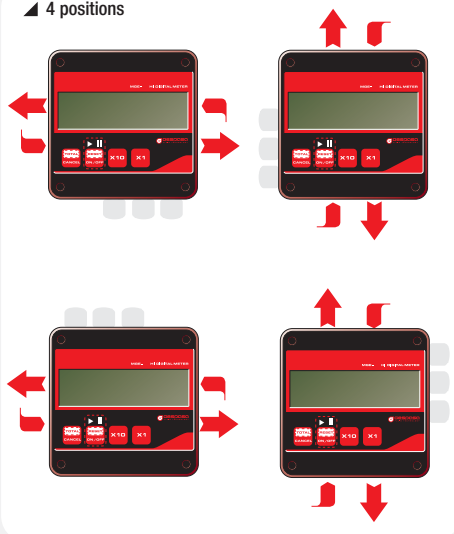
Identification keys



High accuracy oval gears



4 positions



DESCRIPTION

CODE

MGE-110HI · ELECTRONIC GEAR METER WITH PRESET AND AUTOMATIC STOP

32601-CF00000

▶ **PRESET AND AUTOMATIC STOP**

- Features similar to the MGE-110 model ones but with 230 VAC voltage, litre preset and automatic motor or valve stop.

- Digital display of liquid crystal, not watertight. It must be installed with an adequate water protection.

- Functions:

ON/OFF: It switches on or off the motor. (It is possible to connect the meter to a switch in the hose hanger).

X10: 10-unit preset (litres, gallons...)

X1: 1-unit preset (litres, gallons...)

DISPLAY: It displays the supplied litres (or the corresponding volume unit) and saves the last service litres (or the corresponding volume unit).

TOTAL: It displays the supplied litre total. Maximum: 99,999 litres

CANCEL: It cancels the preset

RESET

OPTIONAL FUNCTIONS

▶ **RESTRICTED USE WITH IDENTIFICATION KEY:**

The MGE-110HI has built in an identification key reader that allows, optionally, the restricted use of 20 users (identification keys) as maximum in the meter.

It is necessary to acquire a key pack + the configuration key:

- Pack of 10 identification keys + configuration key
- Pack of 20 identification keys + configuration key

326004004
326004005▶ **PC COMMUNICATION:**

If you have one of the above identification key pack for users and/or vehicles, it is possible to communicate the meter to a data base on the Internet.

There it is possible to see the supplied litre total per users, make a mathematic control of the tank level, have a complete data base of the users and vehicles...

You will need the communication kit via MGE-110HI DIESELPLUS that includes 1-year licence in order to use the software:

- Communication kit via MGE-110HI DIESELPLUS (Converter + 1-year DIESELPLUS licence)

257400000

RENEWAL: - 1-year MGE-110 DIESELPLUS licence

257400001

QUERY OF THE SUPPLIED LITRE TOTAL PER USER THROUGH THE INTERNET

The software will give a list of the supplied litre total per user or vehicle when making the communication between the PC and the meter.

20 identification keys maximum. Each user or vehicle will have assigned one identification key.

The communication between the PC and the meter will be made through the identification memory key and the key reader converter.

Annual licence in order to use the «on demand» software.

THE SOFTWARE WILL ALSO ALLOW:

Identification and card of the supply users: Complete card of the installation users

Vehicle card: Complete vehicle card

Installation tanks and products: Stock control, cost prices and stock assessment

Input movements and stock regularization: Stock list register of the tanks and purchase documents as well as their prices and suppliers.

Data Export: All the data are exportable to Excel or text files, being able to be used with other programs of the company.

MGE-250HI 1" · ELECTRONIC GEAR METER WITH PRESET AND AUTOMATIC STOP

32504-CF00000

MGE-250HI 1 1/2" · ELECTRONIC GEAR METER WITH PRESET AND AUTOMATIC STOP

32504-CF00001

MGE-400HI 2" · ELECTRONIC GEAR METER WITH PRESET AND AUTOMATIC STOP

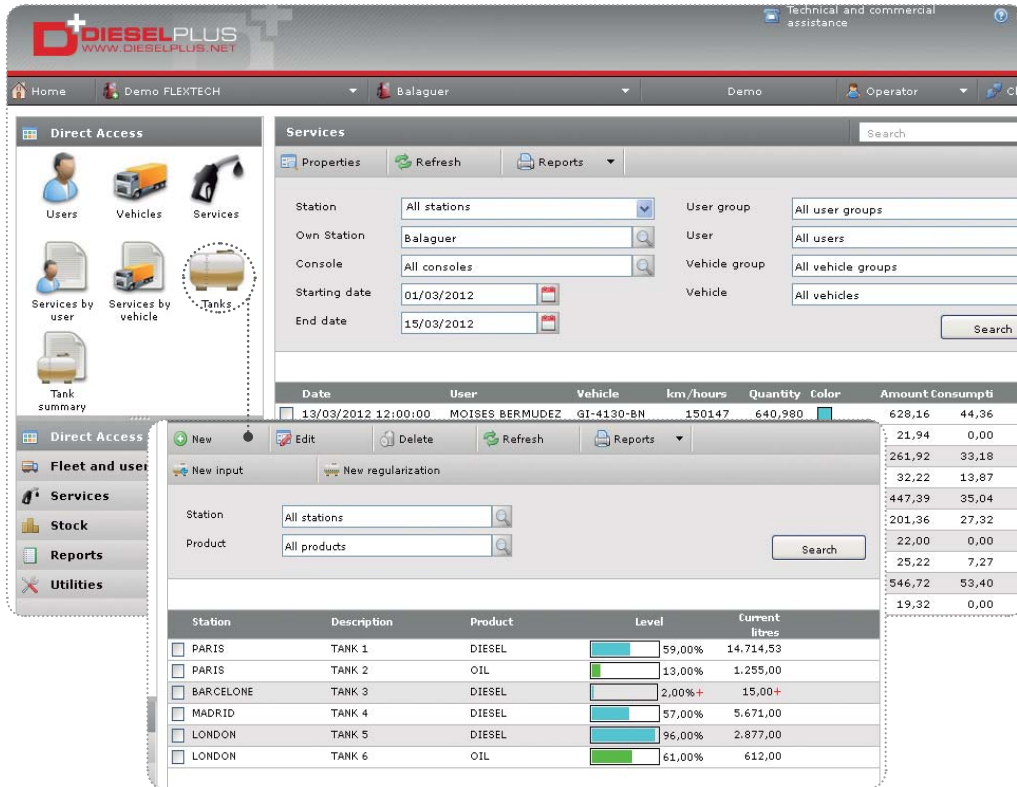
32593-CF00000

■ **Optional**

- F1" aluminium flange complete kit

800003036

DIESELPLUS SOFTWARE



PULSERS 12

DESCRIPTION

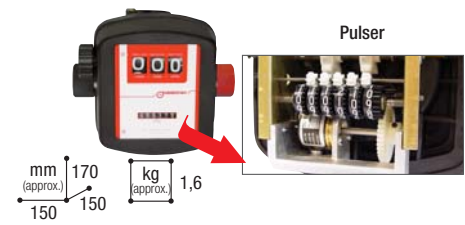
MGI-80 - MECHANICAL METER WITH PULSER
MGI-80V - MECHANICAL METER WITH PULSER AND VITON JOINTS



CODE

32050-CF00000
 32230-CF00000

It has the same features as the MG-80 mechanical meter with a pulser in its inner of 2 communication channels that allow the connection to an own consumption controller. It is equipped with lateral packing gland and 90 cm of connection cable. Pulses per litre: 10 pulses per channel



10-90 l/min
 ±1%

GEAR PULSERS WITH ALUMINIUM BODY

MGI-40 F1/2" - 78 pulses per litre and channel

- Flow: 2-40 l/min · Connection: F1/2"
 Dim. (approx.): Ø95x85 mm · Weight (approx.): 0.58 kg

MGI-110 F1" - 41 pulses per litre and channel

- Flow: 5-110 l/min · Connection: F1" thread or flange
 Dim. (approx.): 123x90x123 mm · Weight (approx.): 1.1 kg

MGE/I-110 F1" - 41 pulses per litre and channel

MGE-110 meter with pulse output

MGI-250 F1" - 11 pulses per litre and channel

- Flow: 10-250 l/min (diesel)
 10-150 l/min (lubricant)
 - Connection: F1" or 1 1/2" (flange)
 Dim. (approx.): 159x100x141 mm · Weight (approx.): 2.3 kg

MGI-400 F2" - 5.5 pulses per litre and channel

- Flow: 15-400 l/min (diesel)
 15-300 l/min (lubricant)
 - Connection: F2" (flange)
 Dim. (approx.): 193x145x141 mm · Weight (approx.): 4.3 kg

MGI-800 F3" - 5.5 pulses per litre and channel

- Flow: 30-800 l/min · Connection: F3" (flange) · 12 VDC
 Dim. (approx.): 543x250x713 mm · Weight (approx.): 31.2 kg

32280

32650

32602

32511

32581

32670



MGI-40



2-800 l/min
 ±0.5%



MGI-250



MGI-400



MGI-800

13 COMPACT SUPPLY KITS

±1%



- COMPACT 50M-12
 - COMPACT 50M-230
 - COMPACT 75M-230
 - COMPACT 90M-12
 - COMPACT 100M-230
 - COMPACT 50M-12 Ex
 - COMPACT 50M-230 Ex
 - COMPACT 800M-230
- mm (approx.) 360, 380, 345, 383, 435
- kg (approx.) 18-31, 28.5-32

DESCRIPTION

CODE

COMPACT supply kits suitable for the diesel supply, measure and control to own consumption vehicles.

Composed of:

- Chassis made of steel with an special treatment against corrosion. Brilliant epoxy paint finish. Weatherproof
- 4 m Ø19 or 25 mm (depending on the pump) double layer delivery hose special for diesel with adapters in both ends
- Automatic nozzle

COMPACT-M · MECHANICAL COMPACT SUPPLY KITS

- Accuracy ±1 % · Manual calibration · Disc meter · Total and partial of the supplied litres

Diesel	Voltage	Meter Mechanical MG-80	Automatic Nozzle	Flow l/min	
COMPACT 50M-12	12 VDC	•	PA-60	35-45	28110-CF00000
COMPACT 50M-230	230 VAC	•	PA-60	40-50	28040-CF00000
COMPACT 75M-230	230 VAC	•	PA-80	65-70	28270-CF00000
COMPACT 90M-12	12 VDC	•	PA-80	70-80	28190-CF00000
COMPACT 100M-230	230 VAC	•	PA-120	75-85	28280-CF00000
Petrol	Mechanical MG-80V				
COMPACT 50M-12 Ex	12 VDC	•	PA-80	40-50	28140-CF00001
COMPACT 50M-230 Ex	230 VAC	•	PA-80	40-50	28140-CF00000
COMPACT 800M-230	230 VAC	•	PA-80	70-80	28150-CF00000

* Ask for other versions at 110 VAC and 24 VDC.

COMPACT-E · ELECTRONIC COMPACT SUPPLY KITS

- Accuracy ±0.5 % · Electronic calibration with gear meter · Total and partial of the supplied litres

Diesel	Voltage	Meter Electronic MGE-110	Automatic Nozzle	Flow l/min	
COMPACT 50E-12	12 VDC	•	PA-60	35-45	28240-CF00000
COMPACT 50E-230	230 VAC	•	PA-60	40-50	28052-CF00000
COMPACT 75E-230	230 VAC	•	PA-80	65-70	28290-CF00000
COMPACT 90E-12	12 VDC	•	PA-80	70-80	28250-CF00000
COMPACT 100E-230	230 VAC	•	PA-120	75-85	28300-CF00000

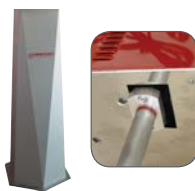
* Ask for other versions at 110 VAC and 24 VDC.

±0.5%



- COMPACT 50E-12
 - COMPACT 50E-230
 - COMPACT 75E-230
 - COMPACT 90E-12
 - COMPACT 100E-230
- mm (approx.) 405, 405, 460
- kg (approx.) 17.5-30.5

Pedestal base



■ Accessories:

- Hexagonal pedestal base (COMPACT) · height 1 m (page 59)
- F1" aluminium flange kit (special COMPACT)

800400014
800003029

±1%



- SM-4680
 - SM-8880
 - SM-50080
 - SM-80080
- mm (approx.) 1070, 490, 260
- kg (approx.) 38-47.7

13.1 MIDI KITS

MIDI supply kit suitable for the diesel supply and measurement to own consumption vehicles · Accuracy ±1 % · Manual calibration · Total and partial of the supplied litres

Composed of:

- Chassis made of steel with an special treatment against corrosion. Brilliant epoxy paint finish. Weatherproof
- 4 m Ø19 or 25 mm (depending on the pump) double layer delivery hose special for diesel with adapters in both ends
- Automatic nozzle

SM · MIDI MECHANICAL SUPPLY KITS

Diesel	Voltage	Meter Mechanical MG-80	Automatic Nozzle	Flow l/min	
SM-4680	230 VAC	•	PA-60	40-50	26610
SM-8880	230 VAC	•	PA-80	70-80	26522
Petrol					
SM-50080	230 VAC	•	PA-80	40-50	26540
SM-80080	230 VAC	•	PA-80	60-70	26560

DESCRIPTION

These kits have the same components as the COMPACT supply kits assembled in a column chassis in order to directly be fixed in the ground without bases or additional accessories.

Composed of:

- Chassis made of steel with an special treatment against corrosion. Brilliant epoxy paint finish. Weatherproof
- 4 m Ø19 or 25 mm (depending on the pump) double layer delivery hose special for diesel with adapters in both ends
- Automatic nozzle

CODE



±1%

±0.5%

TOTEM-M · MECHANICAL SUPPLY KITS

- Accuracy ±1 % · Manual calibration · Disc meter · Total and partial of the supplied litres

Diesel	Voltage	Meter Mechanical MG-80	Automatic nozzle	Flow l/min
■ TOTEM 50M-230	230 VAC	●	PA-60	40-50
■ TOTEM 75M-230	230 VAC	●	PA-80	65-70
■ TOTEM 100M-230	230 VAC	●	PA-120	75-90

27150-CF00000
27260-CF00000
27270-CF00000



Petrol

Mechanical MG-80AV

■ TOTEM 50M-230 Ex	230 VAC	●	PA-80	40-50
■ TOTEM 800M-230	230 VAC	●	PA-80	60-70

27170-CF00000
27180-CF00000

TOTEM-E · ELECTRONIC SUPPLY KITS

- Accuracy ±0.5 % · Electronic calibration · Gear meter · Total and partial of the supplied litres

Diesel	Voltage	Meter Electronic MGE-110	Automatic nozzle	Flow l/min
■ TOTEM 50E-230	230 VAC	●	PA-60	40-50
■ TOTEM 75E-230	230 VAC	●	PA-80	65-70
■ TOTEM 100E-230	230 VAC	●	PA-120	75-90

27191-CF00000
27281-CF00000
27291-CF00000

TOTEM-E HI · ELECTRONIC SUPPLY KITS WITH PRESET AND AUTOMATIC STOP

- Accuracy ±0.5 % · Electronic calibration · Gear meter with preset and automatic stop · Total and partial of the supplied litres

Refer to MGE-110HI features (page 34)

Diesel	Voltage	Meter Electronic MGE-110HI	Automatic nozzle	Flow l/min
■ TOTEM 50E HI-230	230 VAC	●	PA-60	40-50
■ TOTEM 75E HI-230	230 VAC	●	PA-80	65-70
■ TOTEM 100E HI-230	230 VAC	●	PA-120	75-90

27190-CF00000
27280-CF00000
27290-CF00000

TOTEM-M (approx.) 1500 mm
TOTEM-E (approx.) 400 mm
TOTEM-E HI (approx.) 340 mm
kg (approx.) 48-59

Optional:

- FG-2 microfilter kit (TOTEM 50/75 inside)
- FG-100 microfilter kit (TOTEM 100 inside)
- GENIUS level indicator kit (inside)

27230
27231
272400000

GENIUS level indicator kit



Microfilter kit



Identification keys



326004004
326004005

TOTEM-E HI OPTIONAL FUNCTIONS:

► RESTRICTED USE WITH IDENTIFICATION KEY:

The MGE-110HI has built in an identification key reader that allows, optionally, the restricted use of 20 users (identification keys) as maximum in the meter.

It is necessary to acquire a key pack + the configuration key:

- Pack of 10 identification keys + configuration key
- Pack of 20 identification keys + configuration key

257400000
257400001

► PC COMMUNICATION:

If you have one of the above identification key pack for users and/or vehicles, it is possible to communicate the meter to a data base on the Internet.

There it is possible to see the supplied litre total per users, make a mathematic control of the tank level, have a complete data base of the users and vehicles...

You will need the communication kit via MGE-110HI DIESELPLUS that includes 1-year licence in order to use the software:

- Communication kit via MGE-110HI DIESELPLUS (Converter + 1-year DIESELPLUS licence)
- RENEWAL: - 1-year MGE-110 DIESELPLUS licence

► * See more features page 34



80-130
l/min

0.2%

230/400
VAC



STE-80CE

1 HOSE

mm (approx.) 1500
615 400

kg (approx.) 100

DESCRIPTION

CODE

STE-80CE 230 V · SINGLE-PHASE · SUPPLY KIT (70-80 l/min)
STE-80CE 230/400 V · TRIPHASE · SUPPLY KIT (70-80 l/min)
STE-130CE 230/400 V · TRIPHASE · SUPPLY KIT (130 l/min)

26083-CF00000
 26081-CF00000
 26351-CF00000

Supply kit with ATEX components, special for diesel, petrol and kerosene supply installations. It is composed of high accuracy hydraulic group.

Composed of:

Chassis: Made of steel · special interior and exterior treatment against corrosion · high epoxy brilliant paint · weatherproof. It has built in a base with drip plate to anchor the supply kit.

Hydraulic group composed of:

Pump: Self-suction, eccentric of self-adjusting blades with gas separator · Flow: 70-80 l/min (STE-80CE) · 130 l/min (STE-130CE) · recirculation bypass valve · check valve · filter

Meter: made of aluminium of 4 piston with positive displacement · Accuracy: 0.2 % · 2-channel pulser of 100 pulses per litre and mechanical totalizer

Motor: 1 kW 230/400 VAC triphase · motor EExd with certificate ATEX · IP-55 protection; or 0.90 kW 230 VAC · motor EExd with certificate ATEX single-phase · IP-55 protection

· **STE-130CE model:** 1.5 kW 230/400 VAC triphase · motor EExd with certificate ATEX · IP-55 protection

Electronic Display

Automatic starting and stop; Luminous display with high visibility liquid crystal; partial indicator of 3 integers and 2 decimals or 4 integers and 1 decimal; 6-digit electronic totalizer

It is supplied with:

- 4 m Ø25 mm double layer delivery hose special for diesel with adapters in both ends
- PA-80 · Automatic nozzle with swivel (mod. STE-80CE)
- PA-120 · Automatic nozzle (mod. STE-130CE)

STE-80CED 230 V · SINGLE-PHASE · DOUBLE SUPPLY KIT (70-80 l/min)
STE-80CED 230/400 V · TRIPHASE · DOUBLE SUPPLY KIT (70-80 l/min)
STE-130CED 230/400 V · TRIPHASE · DOUBLE SUPPLY KIT (130 l/min)

26382-CF00000
 26381-CF00000
 26352-CF00000

Double supply kit with ATEX components, special for diesel, petrol and kerosene supply installations. It is composed of high accuracy hydraulic group.

Composed of:

Chassis: Made of steel · special interior and exterior treatment against corrosion · high epoxy brilliant paint · weatherproof. It has built in a base with drip plate to anchor the supply kit.

2 Hydraulic groups composed of:

Pump: Self-suction, eccentric of self-adjusting blades with gas separator · Flow: 70-80 l/min (STE-80CED) · 130 l/min (STE-130CED) · recirculation bypass valve · check valve · filter

Meter: made of aluminium of 4 piston with positive displacement · Accuracy: 0.2 % · 2-channel pulser of 100 pulses per litre and mechanical totalizer

Motor: 1 kW 230/400 VAC triphase · motor EExd with certificate ATEX · IP-55 protection; or 0.90 kW 230 VAC · motor EExd with certificate ATEX single-phase · IP-55 protection

· **STE-130CED model:** 1.5 kW 230/400 VAC triphase · motor EExd with certificate ATEX · IP-55 protection

2 Electronic Displays

Automatic starting and stop; Luminous display with high visibility liquid crystal; partial indicator of 3 integers and 2 decimals or 4 integers and 1 decimal; 6-digit electronic totalizer

It is supplied with:

- 2 x Ø25 mm double layer delivery hose special for diesel with adapters in both ends of 4 m
- 2 x PA-80 · Automatic nozzle with swivel (mod. STE-80CED)
- 2 x PA-120 · Automatic nozzle (mod. STE-130CED)

2 HOSES



STE-80CED

mm (approx.) 1505
915 400

kg (approx.) 150.5

■ **Optional:**

- Flexible suction tube with 2" flange
- 4 m Ø19 mm antistatic unleaded petrol hose with adapters in both ends
- Gas recovery kit for petrol · Phase II
- PA-80 1" · Automatic nozzle for unleaded petrol (page 57)
- FG-150 microfilter · 10-litre capacity · Microfiltering of 5 µm (micron) (page 54)
- FG-300/15 microfilter · 15-litre capacity · Microfiltering of 15 µm (micron) (page 54)
- 500 W ON LINE UPS

807610002
 803406009
 268300000
 47254
 66050
 66192
 805001002

HIGH FLOW SUPPLY KITS

High flow supply kits with electronic display or GK-7 own consumption controller (page 39).

- Flow: from 10 to 900 l/min
- Accuracy: ±0.5 %
- With or without degasifier



±0.5%

GK-7 · FLEET AND SUPPLY CONTROLLER**APPLICATION:**

- Supply control of fuels or other type of fluids
- Identification of the users and/or vehicles that uses the supply kit
- Supply list in the PC of the user and/or vehicle supplies. Total and partial list by users, vehicles or groups.
- Data export in Excel or .txt (text) format in order to be used in other programs or compatible systems
- Fuel stock and purchase control
- Possibility of presetting the amount to be supplied

USE:

Identification: The users and/or vehicles can be identified through PIN / numerical code or the identification key (iButton).

The controller has built in an identification key reader of the proximity keys.

OPTIONAL IDENTIFICATION SYSTEMS:

- Magnetic or proximity cards
- Fixed TAG disc identifier with cable for vehicles

TECHNICAL DATA

- Voltage: 230 or 110 VAC (available the version at 12/24 VDC)
- Frontal: LCD alphanumeric display of 4 lines and 20 characters
- Service temperature: 0 °C to 40 °C (ask for models for extreme climates)
- Identification key reader
- Optional: Thermal printer

CONTROLLER FEATURES:

It controls:

- Supply hour and date
- Users
- Vehicles
- Supplied litres by users and/or vehicles
- Car mileage (or hours) and consumption
- Litre stock of the tank

The services are saved in memory and can be transferred to the computer.

It can work in an autonomous way without being connected to the PC.

The GK-7 PC CONNECTION ALLOWS:

- Making all the inputs, deletions, modifications and queries from the computer.
- To add the generated information in a data base.
- The possibility of exporting the information to an Excel or .txt (text) format in order to be exported to other systems or programs.
- The access control to the information with permissions for different user profiles.
- Multiconsole. Different equipment can be managed in a centralised way, both local and remote.
- Different communication systems to connect the computer with the controller or controllers: via memory key, via cable, via Ethernet, via GSM modem or GPRS.

SOFTWARE:

There are available three software versions with different features:

- **GK-7 SQL** (to be installed in one computer)
- **GK-7 C/S** (Client-Server · to be installed in a server and be used from different computers)
- **DIESELPLUS** (Web Service · this software is consulted from the Internet from any PC or smartphone, no installation required).

*Refer to compatibilities in page 43.

GK-7 models

- **GK-7** to be connected to a computer through a communication kit (refer to page 40)
- **GK-7M** to control up to 16 dispensers in a simultaneous way (refer to page 40)
- **GK-7Plus** with GPRS communication and data query through the Internet (refer to page 42)
- **GK-7PlusM** with GPRS communication and control up to 16 dispensers in a simultaneous way (refer to page 42)



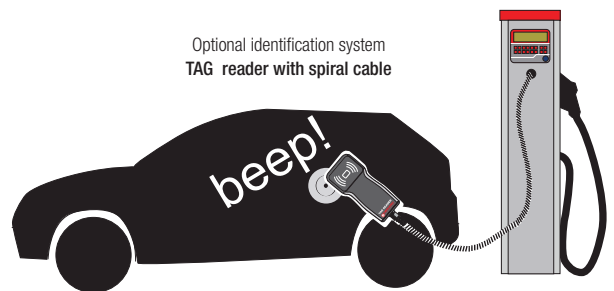
Identification keys



Identification key reader



PC connection

Optional identification system
TAG reader with spiral cable

Management and control software

NÚMERO	FECHA	HORA	USUARIO	VEHICULO	CONTR.	PRODUCTO	Km (H)	Litros	PRECIO	IMPORTE	CONSUMO 30SS
21	24/09/2011	12:00	HOCES BERNARDEZ ROCA	GI-4130-BN	EST	DIESEL PLUS	130.147	142.890	0.860	123.16	
20	23/09/2011	06:56	HOCES BERNARDEZ ROCA	L200 PCB	1	GASOLEO	182.490	650.500	0.719	459.79	52.91
19	22/09/2011	20:02	HOCES BERNARDEZ ROCA	GI-4130-BN	1	GASOLEO	4.853	294.300	0.719	496.41	7.93
18	22/09/2011	19:09	MESJUB ORTIZ OSCA	3421 CIP	1	GASOLEO	0	23.130	0.719	17.86	
17	22/09/2011	17:41	LUIS HERNANDEZ DIEZ	0098 CXL	1	DIESEL PLUS	0	23.130	0.719	17.86	
16	18/09/2011	07:30	MESJUB ORTIZ OSCA	9963 OSW	1	DIESEL PLUS	234.718	276.980	0.719	205.67	22.62
15	17/09/2011	08:22	HOCES BERNARDEZ ROCA	GI-4130-BN	1	GASOLEO	151.355	625.000	0.719	474.36	23.38
14	13/09/2011	13:06	CARLOS BARROS JAHN	0098 CXL	1	GASOLEO	0	28.980	0.719	21.94	
13	11/09/2011	20:13	SERGIO GOMEZ SENA	9963 OSW	1	GASOLEO	233.120	345.090	0.719	261.82	33.39
12	11/09/2011	19:12	MESJUB ORTIZ OSCA	3421 BVC	1	DIESEL PLUS	23.960	42.450	0.719	31.22	13.87
11	10/09/2011	06:23	HOCES BERNARDEZ ROCA	GI-4130-BN	1	DIESEL PLUS	148.702	596.460	0.719	447.39	27.52
10	07/09/2011	15:13	SERGIO GOMEZ SENA	9963 OSW	1	DIESEL PLUS	232.480	365.290	0.719	261.36	31.64
9	06/09/2011	16:46	HOCES BERNARDEZ ROCA	L200 PCB	1	DIESEL PLUS	0	26.980	0.719	22.00	
8	06/09/2011	15:34	CARLOS BARROS JAHN	3421 BVC	1	DIESEL PLUS	23.602	33.130	0.719	25.22	7.27
7	05/09/2011	12:16	HOCES BERNARDEZ ROCA	GI-4130-BN	1	GASOLEO	147.020	720.120	0.719	546.72	33.40
6	04/09/2011	16:46	HOCES BERNARDEZ ROCA	L200 PCB	1	GASOLEO	0	25.490	0.719	18.32	
5	04/09/2011	16:47	CARLOS BARROS JAHN	9963 OSW	1	GASOLEO	231.509	320.120	0.719	242.97	
4	03/09/2011	18:56	LUIS HERNANDEZ DIEZ	3421 CIP	1	DIESEL PLUS	4.963	741.000	0.719	562.42	
3	03/09/2011	07:26	HOCES BERNARDEZ ROCA	0098 CXL	1	DIESEL PLUS	0	15.450	0.719	11.73	
2	02/09/2011	10:36	HOCES BERNARDEZ ROCA	GI-4130-BN	1	DIESEL PLUS	145.671	690.450	0.719	524.65	
1	02/09/2011	08:56	MESJUB ORTIZ OSCA	3421 BVC	1	GASOLEO	23.145	45.896	0.719	34.83	



Refer to software page 43

1 METALLIC CABINET



mm (approx.) 410
550 400

kg (approx.) 17

Optional:
Thermal printer

2 TOTEM



mm (approx.) 1,500
340 400

kg (approx.) 45

3 IP-65 BOX



Identification key
reader

Identification keys



PC connection



Pedestal base

Protection sunshield



IP-65 external display

GK-7M adjustable display kit



DESCRIPTION

CODE

- 1 GK-7* + METALLIC CABINET · OWN CONSUMPTION CONTROLLER
- 2 GK-7* + TOTEM · OWN CONSUMPTION CONTROLLER
- 3 GK-7* + IP-65 BOX · OWN CONSUMPTION CONTROLLER

25130-CF00000
25136-CF00000
25330-CF00000

CONFIGURATION:

*By default: 60-user/vehicle memory, identification key reader (iButton)

USER/VEHICLE MEMORIES

- (•) 60-user/vehicle memory
- (+) 130-user/vehicle memory
- (+) 1,000 user/vehicle memory

-
FE007002
FE007003

	USERS	VEHICLES	SERVICES
■ GK-7-60	60	60	200
■ GK-7-130*	130	130	500
■ GK-7-1000	1000	1000	1000

*Communication with key maximum 100 users/vehicles and 200 services

(+) internal **THERMAL TICKET PRINTER** (only for the cabinet format)

FE006002

(+) **PROTECTION SUNSHIELD**

FE016001

OPTIONAL IDENTIFICATION SYSTEMS

- (+) Proximity card reader
- (+) Magnetic card reader
- (+) TAG reader with spiral cable

FE017002
FE017003
FE017004

Accessories:

- GK-7 Identification key (pack of 10 units)
- Hexagonal pedestal base (height 1 m) (page 59)
- PC memory key converter
- 500 W ON LINE UPS
- Proximity card
- Magnetic card
- TAG fixed disc identifier for vehicles
- TAG keyring identifier

251201002
800400013
251208003
805001002
803304015
251201004
251201006
251201005

* For the PC connection it is required to acquire a communication kit (page 41).

MULTIHOSE

Kit with exactly the same features and accessories as the above GK-7 but with the capacity to control up to 16 dispensers or pumps in a simultaneous way.

- 1 GK-7M* + METALLIC CABINET · OWN CONSUMPTION CONTROLLER
- 2 GK-7M* + TOTEM · OWN CONSUMPTION CONTROLLER
- 3 GK-7M* + IP-65 BOX · OWN CONSUMPTION CONTROLLER

25253-CF00000
25250-CF00000
25331-CF00000

CONFIGURATION:

*By default: 60-user/vehicle memory, identification key reader (iButton)

USER/VEHICLE MEMORIES

- (•) 60-user/vehicle memory
- (+) 130-user/vehicle memory
- (+) 1,000 user/vehicle memory

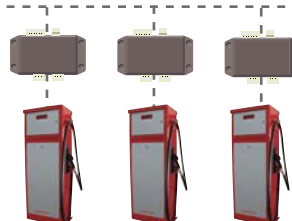
-
FE007002
FE007003

MULTIHOSE Accessories:

- Hose connection module
It must be installed one hose module for each dispenser to be controlled.
- IP-65 external display
- GK-7M adjustable display kit (for the interior)

252504000

252504006
252504005



Hose control module
up to 16 supply kits

Supply kit



* For the PC connection it is required to acquire a communication kit (page 41).

DESCRIPTION

CODE

GK-7 & GK-7M COMMUNICATION KITS with GK-7 & GK-7 C/S SOFTWARE

The communication kits have the required elements to communicate the controller to a computer: converter, licence and software (refer to page 43). These kits are necessary for the GK-7 and GK-7M controllers.

COMMUNICATION KIT VIA ZIGBEE-USB (wireless)

257180000

C/S (client-server) COMMUNICATION KIT VIA ZIGBEE-USB (wireless)

257600700

- Wireless communication system
 - It connects the dispenser via radio with a converter in the PC that is connected through a USB port
 - 150 m without barriers
 It includes: ZigBee converter + ZigBee-USB + GK-7 SQL or C/S software

COMMUNICATION KIT VIA ZIGBEE-ETHERNET (wireless)

257190000

C/S (client-server) COMMUNICATION KIT VIA ZIGBEE-ETHERNET (wireless)

257600500

- Wireless communication system
 - It connects the dispenser via radio with an Ethernet converter that can be connected to any LAN port of the net
 - 150 m without barriers
 It includes: ZigBee converter + ZigBee-Ethernet + GK-7 SQL or C/S software

COMMUNICATION KIT VIA MEMORY KEY (iButton)

257120000

C/S (client-server) COMMUNICATION KIT VIA MEMORY KEY (iButton)

257600200

- The memory key is placed in the controller reader to automatically upload and load the data. PC connection through USB converter.
 It includes: USB converter + memory key + GK-7 SQL or C/S software
 (*Limited to 100 users and 200 services in memory)

COMMUNICATION KIT VIA USB CABLE

257160000

C/S (client-server) COMMUNICATION KIT VIA USB CABLE

257600100

- It is required a 4x0.25 m communication cable between the PC and the controller.
 - Max. distance: 1000 m
 It includes: 485/USB cable converter + GK-7 SQL or C/S software

COMMUNICATION KIT VIA ETHERNET CABLE

257130000

C/S (client-server) COMMUNICATION KIT VIA ETHERNET CABLE

257600300

It allows connecting the controller to the computing network as if it was another PC more in the installation. It is required a 4x0.25 m communication cable between the converter and the controller. Max. distance: 1000 m. It allows the connection in Wi-fi, VPN or WAN.
 It includes: ETHERNET converter + GK-7 SQL or C/S software

COMMUNICATION KIT VIA GSM

257140000

C/S (client-server) COMMUNICATION KIT VIA GSM

257600400

The communication is made through SMS messages. A data SIM card must be installed in each and every one of the modems (not included).
 It includes: GSM converter for the dispenser + GK-7 SQL or C/S software
 It is required to have a GSM MODEM in the PC.

GSM MODEM converter for PC

251208020

Converters and additional accessories:

- Memory key (red)
- 4x0.25 m shielded cable
- CONTINET PG-9 protection tube (m)
- GK-7 additional licence (multistation)
- GK-7 C/S (client-server) additional licence
- Memory key converter (it is used to identify the identification keys in the PC)
- 485/USB cable converter
- LAN/RS485 Ethernet converter
- GSM/RS485 GK-7 converter
- GSM PC converter
- Set of 2 ZigBee-USB (wireless) converters
- Set of 2 Zigbee-Ethernet (wireless) converters

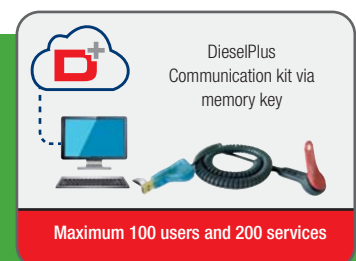
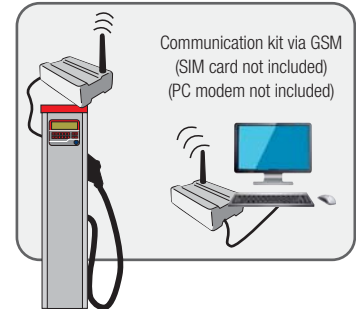
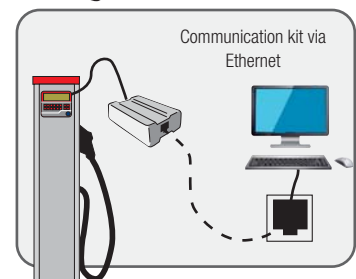
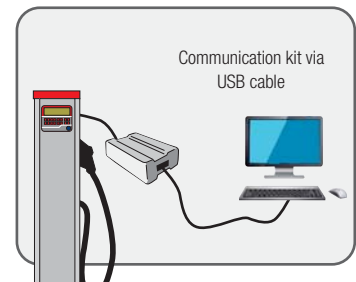
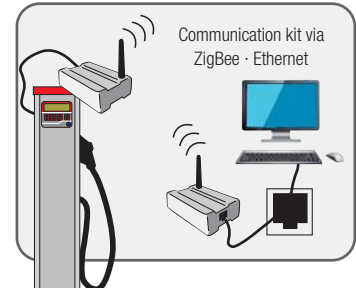
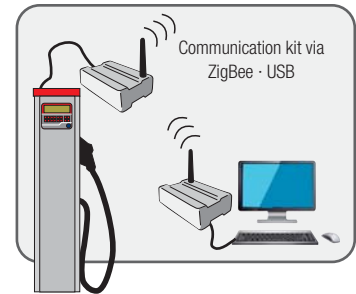
- 251201001
- 800902001
- 807609004
- 257150000
- 257600600
- 251208003
- 251208032
- 251208001
- 252208001
- 251208020
- 251208046
- 251208047

GK-7 & GK-7M COMMUNICATION KITS with DIESELPLUS (web service)

DIESELPLUS COMMUNICATION KIT VIA MEMORY KEY

257500000

It allows the GK-7 and GK-7M connection to the web service site DieselPlus. Memory key: It is placed in the controller reader in order to automatically upload and load the data. PC connection through USB converter.
 It includes: USB converter + memory key + 1-year DieselPlus Fee
 (*Limited to 100 users and 200 services in memory)



1 METALLIC CABINET



mm (approx.) 410 550 400
kg (approx.) 17

Optional: Thermal printer

2 TOTEM



mm (approx.) 1,500 340 400
kg (approx.) 45

3 IP-65 BOX



Identification key reader

Identification keys



Pedestal base

Protection sunshield



IP-65 external display



GK-7M adjustable display kit



DESCRIPTION

CODE

DIESELPLUS

The GK-7Plus y GK-PlusM controllers have an internal GPRS modem with antenna and they do not need any additional communication kit.

- They are only compatible with the DieselPlus software to consult the data through the Internet. **Automatic and wireless (M2M) PC communication).**
- The controller communicates each supply directly to the Internet.

- 1 GK-7Plus* + METALLIC CABINET · OWN CONSUMPTION CONTROLLER**
- 2 GK-7Plus* + TOTEM · OWN CONSUMPTION CONTROLLER**
- 3 GK-7Plus* + IP-65 BOX · OWN CONSUMPTION CONTROLLER**

25133-CF00000
25139-CF00000
25332-CF00000

CONFIGURATION:

*By default: 60-user/vehicle memory, identification key reader (iButton)

USER/VEHICLE MEMORIES

- (●) 60-user/vehicle memory
- (+) 130-user/vehicle memory
- (+) 1,000 user/vehicle memory

(+) internal **THERMAL TICKET PRINTER** (only for the cabinet format)

(+) **PROTECTION SUNSHIELD**

OPTIONAL IDENTIFICATION SYSTEMS

- (+) Proximity card reader
- (+) Magnetic card reader
- (+) TAG reader with spiral cable

Accessories:

- GK-7 Identification key (pack of 10 units)
- Hexagonal pedestal base (height 1 m) (page 59)
- PC memory key converter
- 500 W ON LINE UPS
- Proximity card
- Magnetic card
- TAG fixed disc identifier for vehicles
- TAG keyring identifier

-
FE007002
FE007003
FE006002
FE016001
FE017002
FE017003
FE017004

251201002
800400013
251208003
805001002
803304015
251201004
251201006
251201005

► * For the data query through the Internet it is required to acquire a DieselPlus fee (page 43).

MULTIHOSE

Kit with exactly the same features and accessories as the above GK-7Plus but with the capacity to control up to 16 dispensers or pumps in a simultaneous way.

- 1 GK-7PlusM* + METALLIC CABINET · OWN CONSUMPTION CONTROLLER**
- 2 GK-7PlusM* + TOTEM · OWN CONSUMPTION CONTROLLER**
- 3 GK-7PlusM* + IP-65 BOX · OWN CONSUMPTION CONTROLLER**

25280-CF00000
25283-CF00000
25333-CF00000

CONFIGURATION:

*By default: 60-user/vehicle memory, identification key reader (iButton)

USER/VEHICLE MEMORIES

- (●) 60-user/vehicle memory
- (+) 130-user/vehicle memory
- (+) 1,000 user/vehicle memory

MULTIHOSE Accessories:

- Hose connection module
It must be installed one hose module for each dispenser to be controlled.
- IP-65 external display
- GK-7M adjustable display kit (for the interior)

252504000
252504006
252504005



Hose control Module up to 16 supply kits



Supply kit

► * For the data query through the Internet it is required to acquire a DieselPlus fee (page 43).

DESCRIPTION

CODE

GK-7 SOFTWARE

GK-7 SOFTWARE LICENCE

257100000

- Licence included in the communication kits
- PC software installation
- The user makes the communications on demand.
- Data query in the PC that is connected to the supply kit
- Installation and use from only one PC

It allows:

- configuring the controller, the tanks and the products
- creating, listing and modifying the users, the vehicles and the groups
- supply lists by users, vehicles or groups
- cost queries by vehicle, user or groups
- data or list export for using with other programs
- fluid stock query and regularization
- fuel or fluid purchase management
- fleet consumption management. It includes the possibility of entering external supplies.
- limit management in the supply* (for one controller)
- balance management per user* (for one controller)

**(not available with the communication kit via identification key, multiuser or DIESELPLUS)*



Compatible with:
GK-7
GK-7M

GK-7 C/S (Client-server) MULTIUSER SOFTWARE

GK-7 C/S (Client-server) MULTIUSER SOFTWARE LICENCE

257600000

- Software installation in the server
- The user makes the communications on demand.
- Data query from any PC that is connected to the server
- Multiuser

- This software have the same features as the above one, allowing the simultaneous access to different users installed in one server.



Compatible with:
GK-7
GK-7M

DIESELPLUS FEES - www.dieselplus.net

- 60-user ANNUAL DIESELPLUS FEE
- 130-user ANNUAL DIESELPLUS FEE
- 1,000-user ANNUAL DIESELPLUS FEE

670500000
670500100
670500200

- 60-user 5-YEAR DIESELPLUS FEE
- 130-user 5-YEAR DIESELPLUS FEE
- 1,000-user 5-YEAR DIESELPLUS FEE

670500300
670500400
670500500

It allows:

- consulting the software through the web site www.dieselplus.net
- automatic communications when making the supply (only the GK-7Plus models)
- the query form any PC or smartphone with the Internet connection
- automatic update
- Annual fees of the web maintenance
- Safe data · Automatic back-up copies
- Multiuser: Allowing the use of different users and restricting access.
- Multi-installation: Allowing controlling several installations from the same software.



Compatible with:
GK-7
(through DieselPlus communication kit via identification key · max. 100 users and 200 services)
GK-7M
GK-7Plus
GK-7PlusM



The control software makes easier:

- **The user and vehicle control:** Reduction of losses, easy detection of any irregular consumption.
- **The control of the car mileage / hours and consumption.**
- **The purchase and stock control:** Avoiding being out of fuel in the tank and controlling the costs exactly.
- **Data export:** All the data are exported to Excel or .txt (text) files so that they can be used with other programs of the company.
- **Password:** The software permissions can be limited per user and assign only the required tools for each one of them.
- **To assign limits or balances per user:** not valid for the communication kit with memory key or multiconsole installations.

Total supply control per user and vehicle:

Manual: Detailed program instructions

File Configuration Operators Supplies Vehicles Users Stock Communication Help

Supplies
Vehicles
Users
Stock
Communication
Export

SUPPLIES

User: ANY Vehicle: ANY Initial Date: 01/01/2011 Final Date: 31/01/2013 Controller: ALL Product: ALL

NUMBER	DATE	HOUR	USER	VEHICLE	CONTR.	PRODUCT	Km (H.)	Liters	PRICE	AMOUNT	CONSUMP.	OBS
21	24/09/2011	12:00	MOISES BERMUDEZ ROCA	GI-4130-BN	EXT	DIESEL PLUS	150.147	640,980	0,980	628,16		
20	23/09/2011	06:56	MOISES BERMUDEZ ROCA	1290-FCB	1	DIESEL PLUS	0	28,980	0,759	22,00		
19	22/09/2011	20:02	MOISES BERMUDEZ ROCA	GI-4130-BN	1	GASOLEO	152.490	600,500	0,759	455,78	52,91	
18	22/09/2011	19:09	MIGUEL ORTIZ OSCA	5412-CVF	1	GASOLEO	4.853	854,300	0,759	648,41	2,93	
17	22/09/2011	17:41	LUIS HERREROS DIEZ	0098-CDL	1	DIESEL PLUS	0	23,530	0,759	17,86		
16	18/09/2011	07:20	MIGUEL ORTIZ OSCA	9863-DSW	1	DIESEL PLUS	234.718	270,980	0,759	205,67	22,62	
15	17/09/2011	08:22	MOISES BERMUDEZ ROCA	GI-4130-BN	1	GASOLEO	151.355	625,000	0,759	474,38	23,56	
14	12/09/2011	13:06	CARLOS BARBOS JUAN	0098-CDL	1	GASOLEO	0	28,900	0,759	21,94		
13	11/09/2011	20:13	SERGIO GIMENEZ SENA	9863-DSW	1	GASOLEO	233.520	345,090	0,759	261,92	33,18	
12	11/09/2011	19:12	MIGUEL ORTIZ OSCA	3421-BVC	1	DIESEL PLUS	23.908	42,450	0,759	32,22	13,87	
11	10/09/2011	06:23	MOISES BERMUDEZ ROCA	GI-4130-BN	1	DIESEL PLUS	148.702	589,450	0,759	447,39	35,04	
10	07/09/2011	15:13	SERGIO GIMENEZ SENA	9863-DSW	1	DIESEL PLUS	232.480	265,290	0,759	201,36	27,32	
9	06/09/2011	16:49	MOISES BERMUDEZ ROCA	1290-FCB	1	DIESEL PLUS	0	28,980	0,759	22,00		
8	06/09/2011	15:34	CARLOS BARBOS JUAN	3421-BVC	1	DIESEL PLUS	23.602	33,230	0,759	25,22	7,27	
7	05/09/2011	12:16	MOISES BERMUDEZ ROCA	GI-4130-BN	1	GASOLEO	147.020	720,320	0,759	546,72	53,40	
6	04/09/2011	19:46	MOISES BERMUDEZ ROCA	1290-FCB	1	GASOLEO	0	25,450	0,759	19,32		
5	04/09/2011	16:43	CARLOS BARBOS JUAN	9863-DSW	1	GASOLEO	231.509	320,120	0,759	242,97		
4	03/09/2011	18:56	LUIS HERREROS DIEZ	5412-CVF	1	DIESEL PLUS	4.561	741,000	0,759	562,42		
3	03/09/2011	09:36	MOISES BERMUDEZ ROCA	0098-CDL	1	DIESEL PLUS	0	15,450	0,759	11,73		
2	02/09/2011	10:36	MOISES BERMUDEZ ROCA	GI-4130-BN	1	DIESEL PLUS	145.671	690,450	0,759	524,05		
1	02/09/2011	08:56	MIGUEL ORTIZ OSCA	3421-BVC	1	GASOLEO	23.145	45,890	0,759	34,83		

Stock: Product stock and input control

STOCK

DEPOSITO 1 **NUEVO**

0%

DIESEL

Capacity: 1.000 litres
Level: _____ litres
Considered Litre Value: _____ €
Considered Tank Value: _____ €

Input Regularization See Register Movement List Recalculate

Suppliers Exit



Lists

It is possible to easily compare the different user and vehicle consumptions and quickly detect the irregular consumptions. You can select among different list options like the litre total per each user, each vehicle, all the detailed supplies...

USER SERVICES		Trans Demo LOGO		Trans Demo				
Stations: All stations		User group: All		Starting date: 01/03/2009				
Own station: Balaguer		User: All		End date: 15/03/2012				
Console: All		Vehicle group: All		Bonus: All				
Product: All		Vehicle: All						
User name	Number	Tax identification	Mobile phone	User group				
CARLOS BARBOS JUAN	10			SECCION 1				
Date	Vehicle	km/hours	Station	Console	Product	% Bio	Amount	tion
04/03/2012 16:43:00	9863-DSW	231509 Km	Balaguer	CONSOLE	DIESEL	0,00	320,120	0,00
06/03/2012 15:34:00	3421-BVC	23602 Km	Balaguer	CONSOLE	DIESEL	0,00	33,230	7,27
12/03/2012 13:06:00	0098-CDL		Balaguer	CONSOLE	DIESEL	0,00	28,900	0,00
Service number: 3							382,250	
LUIS HERREROS DIEZ	2			SECCION 1				
Date	Vehicle	km/hours	Station	Console	Product	% Bio	Amount	tion
03/03/2012 18:56:00	5412-CVF	4561 h	Balaguer	CONSOLE	DIESEL	0,00	741,000	0,00
Service number: 1							741,000	
MIGUEL ORTIZ OSCA	1			USUARIOS GENERAL				
Date	Vehicle	km/hours	Station	Console	Product	% Bio	Amount	tion
02/03/2012 8:56:00	3421-BVC	23145 Km	Balaguer	CONSOLE	DIESEL	0,00	45,890	0,00
11/03/2012 19:12:00	3421-BVC	23908 Km	Balaguer	CONSOLE	DIESEL	0,00	42,450	13,87
Service number: 2							88,340	
MOISES BERMUDEZ ROCA	5			USUARIOS GENERAL				
Date	Vehicle	km/hours	Station	Console	Product	% Bio	Amount	tion
02/03/2012 9:36:00	0098-CDL		Balaguer	CONSOLE	DIESEL	0,00	15,450	0,00
02/03/2012 10:36:00	GI-4130-BN	145671 Km	Balaguer	CONSOLE	DIESEL	0,00	690,450	0,00
04/03/2012 19:46:00	1290-FCB		Balaguer	CONSOLE	DIESEL	0,00	25,450	0,00
05/03/2012 12:16:00	GI-4130-BN	147020 Km	Balaguer	CONSOLE	DIESEL	0,00	720,320	53,40
06/03/2012 16:49:00	1290-FCB		Balaguer	CONSOLE	DIESEL	0,00	28,980	0,00
15/03/2012 15:44:30								



Direct Access

- Users
- Vehicles
- Services
- Services by user
- Services by vehicle
- Tanks
- Tank summary

Vehicles Search

Show: Active vehicles

Number	Registration nr.	Identifier	km/hours	% Biofuel	Bonus
<input type="checkbox"/> 12	3421-BVC	5342	23908	30,00	<input checked="" type="checkbox"/>
<input type="checkbox"/> 13	5412-CVF	2345	4853	40,00	<input checked="" type="checkbox"/>
<input type="checkbox"/> 2	9863-DSW	7856	234718	5,00	<input checked="" type="checkbox"/>
<input type="checkbox"/> 212	GI-4130-BN	4130	152490	50,00	<input checked="" type="checkbox"/>
<input type="checkbox"/> 4	0098-CDL	1234		10,00	<input type="checkbox"/>

Similar features to the GK-7 SQL software but with the Internet access

Date	User	Vehicle	km/hours	Quantity	Color	Amount	Consumpti
13/03/2012 12:00:00	MOISES BERMUDEZ	GI-4130-BN	150147	640,980		628,16	44,36
12/03/2012 13:06:00	CARLOS BARBOS	0098-CDL	0	28,900		21,94	0,00
11/03/2012 20:13:00	SERGIO GIMENEZ	9863-DSW	233520	345,090		261,92	33,18
11/03/2012 19:12:00	MIGUEL ORTIZ	3421-BVC	23908	42,450		32,22	13,87
10/03/2012 06:23:00	MOISES BERMUDEZ	GI-4130-BN	148702	589,450		447,39	35,04
07/03/2012 15:13:00	SERGIO GIMENEZ	9863-DSW	232480	265,290		201,36	27,32
06/03/2012 16:49:00	MOISES BERMUDEZ	1290-FCB	0	28,980		22,00	0,00
06/03/2012 15:34:00	CARLOS BARBOS	3421-BVC	23602	33,230		25,22	7,27
05/03/2012 12:16:00	MOISES BERMUDEZ	GI-4130-BN	147020	720,320		546,72	53,40
04/03/2012 19:46:00	MOISES BERMUDEZ	1290-FCB	0	25,450		19,32	0,00

Station	Description	Product	Level	Current litres
Balaguer	TANK 1	DIESEL	59,00%	14.714,53
Balaguer	TANK 2	OIL	0,00%	0,00

VEHICLE SERVICES

DIESELPLUS
 Punt de venda d'Amor a la carretera
 28000 Balaguer
 Lleida
 C/ Facet A20231154
 Telf: 973461052
 Fax: 973460000 e-mail: dieselplus@dieselplus.net

Stations: All stations User group: All Starting date: 01/01/2014
 Own station: Balaguer User: All End date: 31/01/2014
 Console: All Vehicle group: All Bonus: All
 Product: All Vehicle: All

Vehicle registration nr.	Number	Theoretical consumption	% Dev.	Mark	Model	Vehicle group
9863-DSW	2	30,00	10,00			

VEHICULOS GENERAL

Date	User	km/hours	Station	Console	Product	% Bio	Amount	Consumpti
04/01/2014 16:43:00	CARLOS BARBOS JUAN	231509 Km	Balaguer	CONSOLA1	DIESEL	0,00	320,120	0,00
07/01/2014 15:13:00	SERGIO GIMENEZ SENA	232480 Km	Balaguer	CONSOLA1	DIESEL	0,00	265,290	27,32
11/01/2014 20:13:00	SERGIO GIMENEZ SENA	233520 Km	Balaguer	CONSOLA1	DIESEL	0,00	345,090	33,18
18/01/2014 7:20:00	MIGUEL ORTIZ OSCA	234718 Km	Balaguer	CONSOLA1	DIESEL	0,00	270,980	22,62
Service number: 4							1.201,480	

EMPRESA 1

Date	User	km/hours	Station	Console	Product	% Bio	Amount	Consumpti
02/01/2014 9:30:00	MOISES BERMUDEZ ROCA		Balaguer	CONSOLA1	DIESEL	0,00	15,450	0,00
12/01/2014 13:06:00	CARLOS BARBOS JUAN		Balaguer	CONSOLA1	DIESEL	0,00	28,900	0,00
23/01/2014 17:41:00	LUIS HERREROS DIEZ		Balaguer	CONSOLA1	DIESEL	0,00	23,530	0,00
Service number: 3							67,880	

EMPRESA 1

Date	User	km/hours	Station	Console	Product	% Bio	Amount	Consumpti
04/01/2014 19:46:00	MOISES BERMUDEZ ROCA		Balaguer	CONSOLA1	DIESEL	0,00	25,450	0,00
05/01/2014 16:49:00	MOISES BERMUDEZ ROCA		Balaguer	CONSOLA1	DIESEL	0,00	28,980	0,00
23/01/2014 6:56:00	MOISES BERMUDEZ ROCA		Balaguer	CONSOLA1	DIESEL	0,00	28,980	0,00
Service number: 3							83,410	

VEHICULOS GENERAL

Date	User	km/hours	Station	Console	Product	% Bio	Amount	Consumpti
29/05/2014 10:52:08								

COMPACT SUPPLY KITS WITH GK-7 or GK-7Plus CONTROLLER

The compact supply kits with controller are suitable for the diesel own consumption supply, measuring, and control for fleet vehicles.

Composed of:

- Chassis made of steel and stainless steel. Finished with brilliant epoxy paint with special interior and exterior treatment against corrosion. Weatherproof
- 4 m Ø19 or 25 mm (depending on the pump) double layer delivery hose with adapters in both ends

Controller features:

- The GK-7 controller is suitable for the supply control allowing its use only to authorized personnel.
- User and/or vehicle identification through codes and/or identification key
- Supply with or without litre preset.

It controls:

- supply hour and date
- Users: 60 or 130 (depending on the model)
- Vehicles
- Supplied litres
- Car mileage (or hours) and consumption
- Stock of the litres in the tank

The services are saved in memory and can be transferred to a computer through the following communication kits:

- via memory key (maximum 100 users)
- via USB/RS-485 cable
- via GSM modem
- via ETHERNET
- via ZIGBEE (wireless)

The query and configuration operation can be done from the computer through the GK-7 software or directly from the supply kit with the code or the identification key, being able to:

- Input or delete users and/or vehicles
- Assign or change the codes or the identification keys of the users and/or vehicles
- Calibrate the supply kit
- Consult the done supplies
- Consult and regularize the tank stock
- Configure the communication and other options of the controller

The supply kits with GK-7Plus do not need the communication kit because they make the communications automatically, saving the data on the Internet. Access the supply kit and the data through the web site: www.dieselplus.net subject to the acquisition of a licence (page 43).



45-75 l/min

±0.5%



Refer to Software · page 43-46

DESCRIPTION

CODE

COMPACT SUPPLY KITS WITH GK-7 CONTROLLER

Diesel	Voltage	Controller GK-7	Automatic nozzle	Flow l/min
■ COMPACT 50K-60 230	230 VAC	●	PA-60	40-50
■ COMPACT 50K-60 12	12 VDC	●	PA-60	35-45
■ COMPACT 75K-60 230	230 VAC	●	PA-80	70-80
■ COMPACT 90K-60 12	12 VDC	●	PA-80	70-80
■ COMPACT 100K-60 230	230 VAC	●	PA-120	75-85

28540-CF00000
28580-CF00000
28640-CF00000
28590-CF00000
28650-CF00000

CONFIGURATION:

*By default: 60-user/vehicle memory, identification key reader (iButton)

USER/VEHICLE MEMORIES

- (●) 60-user/vehicle memory · 200 services
- (+) 130-user/vehicle memory · 500 services*
- * Communication with key maximum 100 users/vehicles and 200 services

Optional:

- GK-7 Identification key (pack of 10 units)
- Hexagonal pedestal base (height 1 m) (page 59)
- F1" aluminium flange kit (special for COMPACT)

► * For the PC connection it is required to acquire a communication kit (page 41).

-
FE007002

251201002
800400015
800003029



Pedestal base

Identification keys



COMPACT SUPPLY KITS WITH GK-7Plus CONTROLLER

Diesel	Voltage	Controller GK-7Plus	Automatic nozzle	Flow l/min
■ COMPACT 50Plus-60 230	230 VAC	●	PA-60	40-50
■ COMPACT 50Plus-60 12	12 VDC	●	PA-60	35-45
■ COMPACT 75Plus-60 230	230 VAC	●	PA-80	70-80
■ COMPACT 90Plus-60 12	12 VDC	●	PA-80	70-80
■ COMPACT 100Plus-60 230	230 VAC	●	PA-120	75-85

28541-CF00000
28583-CF00000
28641-CF00000
28592-CF00000
28651-CF00000

CONFIGURATION:

*By default: 60-user/vehicle memory, identification key reader (iButton)

USER/VEHICLE MEMORIES

- (●) 60-user/vehicle memory · 200 services
- (+) 130-user/vehicle memory · 500 services*
- * Communication with key maximum 100 users/vehicles and 200 services

Optional:

- GK-7 Identification key (pack of 10 units)
- Hexagonal pedestal base (height 1 m) (page 59)
- 60-user annual DIESELPLUS fee
- 130-user annual DIESELPLUS fee

-
FE007002

251201002
800400015
670500000
670500100

±0,5%

45-90
l/min



Refer to Software - page 43-46

DESCRIPTION

CODE

TOTEM K · TOTEM Plus
Supply kits with own consumption controller

Supply kits with the same features as the COMPACT ones but assembled in a column chassis for its direct fixation to the ground.

TOTEM K · SUPPLY KITS WITH GK-7 OWN CONSUMPTION CONTROLLER

Diesel	Voltage	Controller GK-7	Automatic nozzle	Flow l/min
■ TOTEM 50K-60-230	230 VAC	●	PA-60	40-50
■ TOTEM 75K-60-230	230 VAC	●	PA-80	65-70
■ TOTEM 100K-60-230	230 VAC	●	PA-120	75-90

27210-CF00000
27340-CF00000
27350-CF00000

CONFIGURATION:

*By default: 60-user/vehicle memory, identification key reader (iButton)

USER/VEHICLE MEMORIES

- (●) 60-user/vehicle memory · 200 services
- (+) 130-user/vehicle memory · 500 services*
- * Communication with key maximum 100 users/vehicles and 200 services

FE007002

Optional:

- GK-7 Identification key (pack of 10 units)
- Communication kit via MEMORY KEY
- Communication kit via USB CABLE
- Communication kit via ETHERNET
- Communication kit via GSM
- Communication kit via DIESELPLUS MEMORY key
- Communication kit via ZIGBEE-USB (wireless)
- Communication kit via ZIGBEE-ETHERNET (wireless)
- FG-2 microfilter kit (TOTEM 50/75 inside)
- FG-100 microfilter kit (TOTEM 100 inside)
- GENIUS level indicator kit (inside)

251201002
257120000
257160000
257130000
257140000
257500000
257180000
257190000
27230
27231
272400000

TOTEM Plus · SUPPLY KITS WITH GK-7Plus OWN CONSUMPTION CONTROLLER

Diesel	Voltage	Controller GK-7Plus	Automatic nozzle	Flow l/min
■ TOTEM 50PLUS-60-230	230 VAC	●	PA-60	40-50
■ TOTEM 75PLUS-60-230	230 VAC	●	PA-80	65-70
■ TOTEM 100PLUS-60-230	230 VAC	●	PA-120	75-90

27212-CF00000
27341-CF00000
27351-CF00000

CONFIGURATION:

*By default: 60-user/vehicle memory, identification key reader (iButton)

USER/VEHICLE MEMORIES

- (●) 60-user/vehicle memory · 200 services
- (+) 130-user/vehicle memory · 500 services*
- * Communication with key maximum 100 users/vehicles and 200 services

FE007002

Optional:

- GK-7 Identification key (pack of 10 units)
- 60-user annual DIESELPLUS fee
- 130-user annual DIESELPLUS fee
- FG-2 microfilter kit (TOTEM 50/75 inside)
- FG-100 microfilter kit (TOTEM 100 inside)
- GENIUS level indicator kit (inside)

251201002
670500000
670500100
27230
27231
272400000

Identification keys



GENIUS level indicator kit for TOTEM



DESCRIPTION

CODE

SHK - TECNO SUPPLY KITS WITH OWN CONSUMPTION CONTROLLER - EEExe/d

Supply kits with ATEX components, special for installations of diesel, petrol and kerosene supply. It is composed of a high accuracy hydraulic group and the GK-7 or GK-7Plus own consumption controller.

Chassis:

Made of steel. Special interior and exterior treatment against corrosion. Brilliant epoxy paint finish. Weatherproof

Hydraulic group composed of:

Pump: Self-suction, eccentric of self-adjusting blades with gas separator · Free flow: 70-80 l/min (SHK-70C or CD) · 130 l/min (SHK-130C or CD) · recirculation bypass valve, check valve, filter

Meter: Made of aluminium of 4 pistons with positive displacement · Accuracy: **0.2%** · 2-channel pulser of 100 pulses per litre and mechanical totalizer

Motor: 1 kW 230/400 VAC · motor EExd with certificate ATEX, triphase, with IP-55 protection; or 0.90 kW 230 VAC · motor EExd with certificate ATEX, single-phase, with IP-55 protection

SHK-130C or CD model: 1.5 kW 230/400 VAC · motor EExd with certificate ATEX, triphase, with IP-55 protection

GK-7 own consumption controller

It is supplied with:

- 4 m Ø25 mm double layer delivery diesel hose with adapters in both ends 1"
- 1 or 2 PA-80 automatic nozzles with swivel (SHK-70C · SHK-130C)
- 1 or 2 PA-120 automatic nozzles (SHK-130C · SHK-130CD)

SUPPLY KITS WITH GK-7 OWN CONSUMPTION CONTROLLER

SHK-70C · 130 USERS · 500 SERVICES · TRIPHASE	70-80 l/min	26390-CF00000
SHK-70C · 130 USERS · 500 SERVICES · SINGLE-PHASE	70-80 l/min	26391-CF00000
SHK-130C · 130 USERS · 500 SERVICES · TRIPHASE	130 l/min	26450-CF00000

SUPPLY KITS WITH GK-7Plus OWN CONSUMPTION CONTROLLER (GPRS)

SH-70Plus · 130 USERS · 500 SERVICES · TRIPHASE	70-80 l/min	26395-CF00000
SH-70Plus · 130 USERS · 500 SERVICES · SINGLE-PHASE	70-80 l/min	26396-CF00000
SH-130Plus · 130 USERS · 500 SERVICES · TRIPHASE	130 l/min	26455-CF00000

DOUBLE SUPPLY KITS WITH GK-7 OWN CONSUMPTION CONTROLLER

SHK-70CD · 130 USERS · 500 SERVICES · TRIPHASE	70-80 l/min	26410-CF00000
SHK-70CD · 130 USERS · 500 SERVICES · SINGLE-PHASE	70-80 l/min	26411-CF00000
SHK-130CD · 130 USERS · 500 SERVICES · TRIPHASE	130 l/min	26470-CF00000
SHK-70/130CD · 130 USERS · 500 SERVICES · TRIPHASE	70 + 130 l/min	26480-CF00000

DOUBLE SUPPLY KITS WITH GK-7Plus OWN CONSUMPTION CONTROLLER (GPRS)

SH-70PlusD · 130 USERS · 500 SERVICES · TRIPHASE	70-80 l/min	26414-CF00000
SH-70PlusD · 130 USERS · 500 SERVICES · SINGLE-PHASE	70-80 l/min	26415-CF00000
SH-130PlusD · 130 USERS · 500 SERVICES · TRIPHASE	130 l/min	26471-CF00000
SH-70/130PlusD · 130 USERS · 500 SERVICES · TRIPHASE	70 + 130 l/min	26484-CF00000

CONFIGURATION:

*By default: 130-user/vehicle memory, identification key reader (iButton)

USER/VEHICLE MEMORIES

- (●) 130-user/vehicle memory · 500 services*
* Communication with key maximum 100 users/vehicles and 200 services
- (+) 1,000-user/vehicle memory · 1,000 services
- (+) internal **THERMAL TICKET PRINTER (SHK)**
- (+) **PROTECTION SUNSHIELD**

OPTIONAL IDENTIFICATION SYSTEMS

- (+) Proximity card reader
- (+) Magnetic card reader
- (+) TAG reader with spiral cable

Optional:

- Flexible suction tube with 2" flange
- 4 m Ø19 mm antistatic unleaded petrol hose with adapters in both ends
- Gas recovery kit for petrol · Phase II
- PA-80 1" · Automatic nozzle for unleaded petrol (page 57)
- FG-150 microfilter · 10-litre capacity · Microfiltering of 5 µm (micron) (page 54)
- FG-300/15 microfilter · 15-litre capacity · Microfiltering of 15 µm (micron) (page 54)
- 500 W ON LINE UPS
- GK-7 Identification key (pack of 10 units)
- Proximity card
- Magnetic card
- TAG fixed disc identifier for vehicles
- TAG keyring identifier

SMHK-90C-130 · BIODIESEL MIXER SUPPLY KIT WITH GK-7 OWN CONSUMPTION CONTROLLER

Biodiesel

The supply kit is defined as a fuel supply and measure set, being able to supply a mixed fluid of 2 different products.

This kit has two professional hydraulic groups, whose electronics allows adjusting the proportion of bio oil and diesel you want.

SHK-70C



SHK-70CD



SMHK-90C



1 HOSE

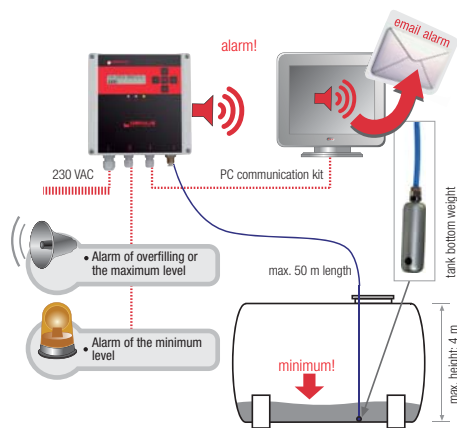
2 HOSES

Refer to the COMMUNICATION KITS & SOFTWARE pages 43-46



mm (approx.) 160
185 60

kg (approx.) 2.50



DESCRIPTION

CODE

APPLICATION

- GENIUS is a level monitor in atmospheric tanks.
- The level measurement is made measuring the static pressure of the liquid height through a tube into the tank.
- It allows measuring the level in rectangular and cylindrical, horizontal or vertical tanks with a maximum height of 4 m.
- Level reading in height (m or inches) or volume (litres or gallons)
- It is suitable for liquids with a maximum viscosity of 30 cSt.

COMPOSED OF

- Probe with 10 metres of tube (extending at 50 m maximum) of 6 mm and with a weight in the other end that is immersed in the liquid until touching the bottom.
- Control unit to see the liquid level and configuration
- Two contacts to connect two alarm or control devices
- PC communication connection via RS485 port
- Acoustic alarm in its inner of 90 dB and 2400 Hz

FEATURES

- IP-55 protection
- It is not suitable for ATEX classified installations
- Accuracy: $\pm 1\%$

According to the programmed alarm levels, the control unit will activate or deactivate the contacts, acting as a remote switch for the alarm device operation or the connected control kit operation.

GENIUS · 230 VAC
GENIUS · 15-32 VDC
25730
25737

Valid for diesel and other non-corrosive liquids.

GENIUS-LUBE · 230 VAC

25731

Valid for lubricants of viscosity 30 -1000 cSt.

GENIUS-INOX · 230 VAC

25732

Valid for AdBlue or phytosanitary fluids.

Optional:

- Communication kit via USB CABLE
- Communication kit via ETHERNET

257310000

257330000



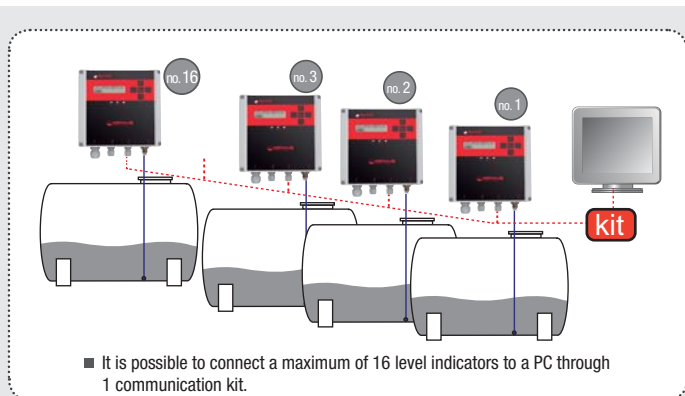
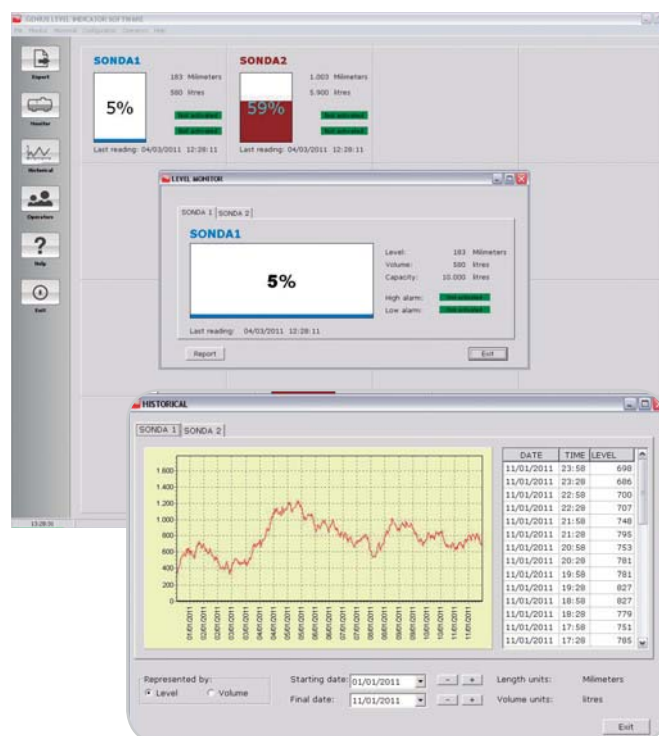
■ Communication kit via USB CABLE
(SOFTWARE + converter)

code 257310000



■ Communication kit via ETHERNET
(SOFTWARE + converter)

code 257330000



■ It is possible to connect a maximum of 16 level indicators to a PC through 1 communication kit.

DESCRIPTION

CODE

APPLICATION

- The GENIUS MODEM PLUS KIT is the communication kit to connect to the GENIUS level indicator that allows having a continuous communication with the software in the web site www.dieselplus.es through GPRS communication.
- The tank data as levels, alarms... can be consulted from any device connected to the Internet through the web site www.dieselplus.net

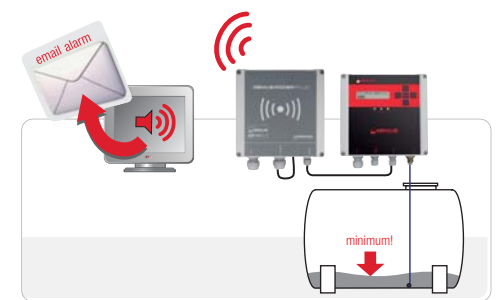
COMPOSED OF

- GPRS modem
- Metallic support for the antenna
- Antenna

FEATURES

- Voltage: 230 VAC
- RS485 output for connection to the probe.
- It is possible to connect up to 16 GENIUS level indicators in series.

According to the programmed alarm levels, the control unit will activate or deactivate the contacts, like a remote switch to start the alarm devices or the connected control kits.



KIT

GENIUS MODEM PLUS KIT (antenna + support)

25736

SOFTWARE LICENCE

GENIUS DieselPlus SOFTWARE LICENCE* · Annual fee

670800200

*It is required to install a SIM card.

DIESELPLUS is the «on-demand» software that allows the data query and management obtained from the GENIUS+GENIUS MODEM PLUS KIT level indicator.

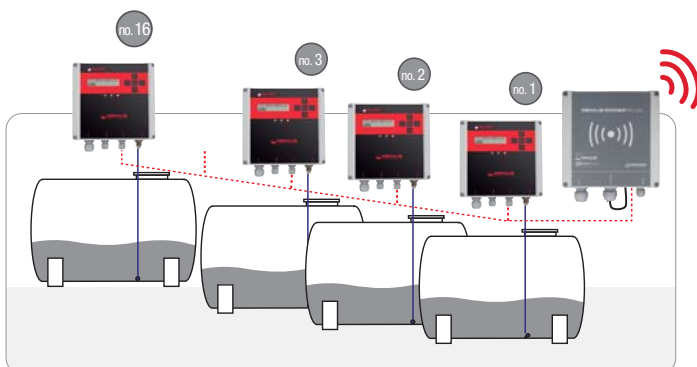
The software is available from any device connected to the Internet.

Being an on-line service it does not need any software installation and it can be used from any computer with Internet connection at any moment.

Among other services it allows controlling:

- The continuous level in real time
- Minimum stock alarm
- Filling alarm
- The configuration of different alarms
- Alarm history
- The remittance of automatic emails of the maximum or minimum alarms
- Level history
- Data export to Excel or .txt (text) format
- The configuration of the type and capacity of tank, units, alarms, users
- Tank groups: by zones, routes...
- The configuration and assignation of the permissions to different operators
- Fluid purchases/inputs in the tanks
- Suppliers

The GENIUS MODEM PLUS KIT can have connected a maximum of 16 level indicators.



FEATURES

AUTOMATIC AND WIRELESS COMMUNICATION:

The GENIUS level indicator is communicated through the GENIUS MODEM PLUS KIT through GPRS with the DIESELPLUS server. This communication is automatic without any user's intervention.

MULTISTATION:

One or more users can control different level indicators (tanks) placed in different geographical zones.

MULTIUSER:

The software can be used by different users at the same time. Each user will be able to access only their specific assigned areas.

For the shared service management (end customer / fuel distributor) it is established a hierarchical operator level with different privileges and restricted accesses.

MULTIACCESS / MULTIINSTALLATION:

All the users that have their user name and password will be able to access the DIESELPLUS software from any computer with the Internet connection at any moment. It is possible to manage the information of many installations from the same user.

SAFE DATA:

Any data is communicated with the DIESELPLUS server automatically.

ISSUE OF REPORTS:

Lists and statistics for an easy interpretation of the information relating to the alarms, levels, history...

TECHNICAL SUPPORT · via E-MAIL or TELEPHONE:

Direct email or telephone for the technical support in order to solve any doubt or incidence that may arise.

|SOFTWARE ▶

Direct Access

- Users
- Vehicles
- Services
- Services by user
- Services by vehicle
- Tanks
- Tank summary

Direct Access

- Fleet and users
- Services
- Stock
- Reports
- Utilities

January 2012

Mo	Tu	We	Th	Fr	Sa	Sun
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

Tanks

Station: All stations
Product: All products

Station	Description	Product	Level	Current litres
<input type="checkbox"/>	PARIS	TANK 1	DIESEL	59,00% 14.714,53
<input type="checkbox"/>	PARIS	TANK 2	OIL	13,00% 1.255,00
<input type="checkbox"/>	BARCELONE	TANK 3	DIESEL	2,00%+ 15,00+
<input type="checkbox"/>	MADRID	TANK 4	DIESEL	57,00% 5.671,00
<input type="checkbox"/>	LONDON			
<input type="checkbox"/>	LONDON			

TANK 3 - BARCELONE

Station: BARCELONE
Date: 20/11/2011
Tank: TANK 3
Range: Week

Volume

Results 1 - 30 of 510

Date	Level indicator	Probe	Level	Volume
20/11/2011 23:51:03	LEVEL	1	320,000	574,000
20/11/2011 23:35:55	LEVEL	1	320,000	574,000
20/11/2011 23:20:46	LEVEL	1	325,000	587,000
20/11/2011 23:05:38	LEVEL	1	325,000	587,000
20/11/2011 22:50:40	LEVEL	1	325,000	587,000
20/11/2011 22:35:26	LEVEL	1	325,000	587,000
20/11/2011 22:20:14	LEVEL	1	325,000	587,000
20/11/2011 22:05:05	LEVEL	1	325,000	587,000
20/11/2011 21:49:57	LEVEL	1	325,000	587,000
20/11/2011 21:34:48	LEVEL	1	325,000	587,000

KIT ADVANTAGES:**END USER:****In the tank:**

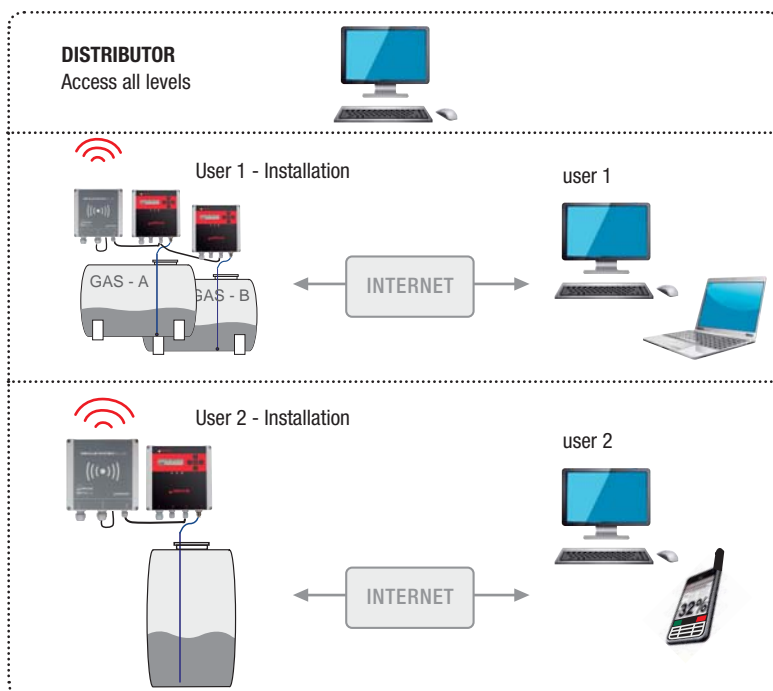
- Continuous level reading
- Digital display that shows the level in the tank
- Configurable acoustic alarm of the minimum level
- Acoustic alarm of overfilling

In the PC through the Internet:

- Access the program through user name and password
- Level tank query, in millimetres (inches) or litres (gallons)
- Automatic alarms of the maximum and minimum levels
- Automatic remittance of the alarm email
- Level and alarm history

FUEL DISTRIBUTOR:

- It gives a kit with added value for the end user.
- It avoids «in extremis» orders.
- Route organization
- Maximum level alarms in order to know when the tank is fill
- Minimum level alarms
- Automatic remittance of the alarm email
- Hierarchic management of users. Each user will be able to consult the assigned tank levels.
- It is possible to manage the information of many installations from the same user.



DESCRIPTION

CODE

Automatic hose-reels made of painted sheet for the diesel transfer.

EGC - HIGH FLOW HOSE-REELS

- With and without hose
- 10 or 15 m antistatic double layer hose
- Rollers in the hose delivery for a correct hose auto-location
- The delivery arm can be mounted in different positions.
- Max. hose-reel pressure: 40 bar · Hose pressure: 10 bar

Model	Hose metres	Diameter	Max. pressure
EGC-10 1"	10	1"	40 bar
EGC-10 3/4"	10	3/4"	40 bar
EGC-15 3/4"	15	3/4"	40 bar
EGC-SM 1"	without hose	1"	40 bar

807303023
807303022
807303021
807303020

EGC



SERIES 5 HOSE-REELS (without hose)

Model	Hose metres	Diameter	Max. pressure
5.10.20	10	3/4"	10 bar
5.15.20	15	3/4"	10 bar
5.20.20	20	3/4"	50 bar
5.20.20 INOX	20	3/4"	50 bar

807303008
807303009
807303028
807303029

SERIES 5



SERIES 6 HOSE-REELS (without hose)

Model	Hose metres	Diameter	Max. pressure
6.20.20	20	3/4"	40 bar
6.40.20	40	3/4"	40 bar
6.20.25	20	1"	40 bar
6.30.25	30	1"	40 bar
6.50.25	50	1"	40 bar

807303012
807303014
807303015
807303016
807303018

SERIES 6



SERIES 9 HOSE-REELS (without hose)

Model	Hose metres	Diameter	Max. pressure
9.20.20	20	3/4"	45 bar
9.20.20 INOX	20	3/4"	45 bar

807303006
807303007

SERIES 9



SERIES 10 HOSE-REELS (without hose)

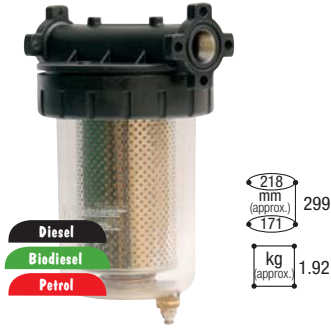
Model	Hose metres	Diameter	Max. pressure
10.20.20	20	3/4"	45 bar
10.20.20 INOX	20	3/4"	45 bar

807303010
807303011

SERIES 10



FG-100
FG-100 BIO
FG-100G



Filtering element
spare kit



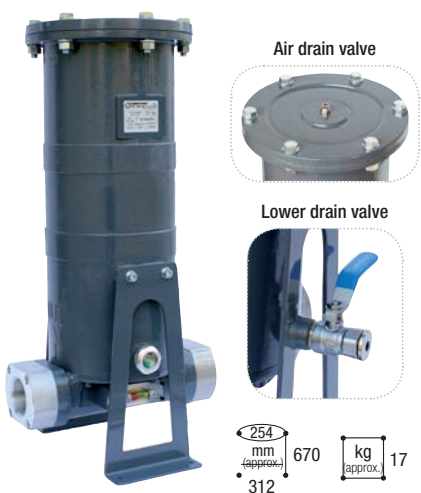
Microfilter key



FG-150



FG-300



Air drain valve



Lower drain valve



AFG



DESCRIPTION

CODE

1"

FG-100 - MICROFILTER

FG-100 - 5 µm (micron) - Water-repellent filtering paper

Diesel

39023

FG-100BIO - 25 µm (micron)

Diesel

Biodiesel

39024

FG-100G* - 5 µm (micron)

Diesel

Petrol

39071

- Transfer capacity: 105 l/min
- Inlet / Outlet: F1" BSP flanges or threads
- Capacity: 2 litres
- Top microfilter case: aluminium
- Vessel: transparent plastic
- Aluminium heading
- Manual drain valve
- Filtering capacity: 500,000 litres (under normal conditions)
- Operation pressure: 5 bar
- It is supplied with a special key for replacing the filtering element cartridge in a printed box.
- *FG-100G - with Viton joints

■ **Optional accessories:**

- KEY for replacing the filtering element cartridge
- Filtering element spare kit of 5 µm (micron) + joints
- Filtering element spare kit of 25 µm (micron) + joints
- F1" capping aluminium flange

660705000
660708001
660708002
800003032

1 1/2"

FG-150 - TRANSPARENT MICROFILTER

Diesel

Petrol

Biodiesel

FG-150 - 5 µm (micron) - Water-repellent filtering paper

66050

FG-150BIO - 25 µm (micron)

66051

FG-150A - WATER ABSORBENT - 15 µm (micron)

66053

- Transfer capacity: 160 l/min
- Inlet / Outlet: F1 1/2" GAS (BSP)
- Capacity: 10 litres
- Filter cover: Aluminium casting
- Transparent vessel
- Vacuum gauge: -1 +3 bar
- Manual lower drain valve to empty the impurities
- Filtering capacity: 1 million of litres (under normal conditions)
- Operation pressure: 1 bar
- Automatic degasifier
- Installation: in the suction of the pumping kit

■ **Spares:**

- Filtering element spare of 5 µm (micron)
- Filtering element spare of 25 µm (micron)
- Absorbent filtering element spare of 5 µm (micron)

660503000
660503001
660503002

2"

FG-300 - ALUMINIUM MICROFILTER

Diesel

Petrol

Biodiesel

FG-300/50 - 50 µm (micron)

66191

FG-300/15 - WATER ABSORBENT - 15 µm (micron)

66192

- Flow: up to 300 l/min
- Inlet / Outlet: F2" BSP or flange
- Capacity: 15 litres
- Cover and body made of aluminium
- Differential manometer
- Water detector viewer
- Air drain valve
- Manual lower drain valve
- Operation pressure: 6 bar
- Installation: in the suction or delivery of the pumping kit

■ **Spares:**

- Absorbent filtering element spare part of 15 µm (micron)
- Ø150x458 mm impact filtering spare part of 50 µm (micron)

661903000
460000010

AFG - METALLIC CABINET FOR FILTER

57000

DESCRIPTION	CODE
<p>FG-700 · Water absorbent aluminium microfilter · 15 µm</p> <p><i>*Optional with cartridge of 50 µm (micron) not absorbent (ideal for biodiesel)</i></p> <p>Composed of 2 units FG-300 in parallel · Flow: 700 l/min · F3" flange</p>	66250
<p>FG-1000 · Water absorbent aluminium microfilter · 15 µm</p> <p><i>*Optional with cartridge of 50 µm (micron) not absorbent (ideal for biodiesel)</i></p> <p>Composed of 3 units FG-300 in parallel · Flow: 1,000 l/min · F4" flange</p>	66260



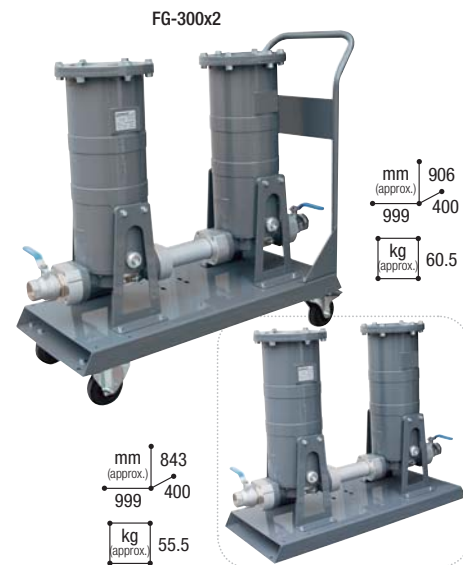
TWO-PHASE FILTRATION

Filtering tank kits designed for the fuel filtering (diesel, petrol, kerosene and oil) of buried and aerial tanks, getting the microfiltered liquid free of impurities and water.

DESCRIPTION	CODE
FG-300x2 FIXED FILTERING KIT · 50 / 15 µm absorbent · 300 l/min	66062
FG-300x2 MOBILE FILTERING KIT · 50 / 15 µm absorbent · 300 l/min	66061
FG-700x2 FIXED FILTERING KIT · 50 / 15 µm absorbent · 700 l/min	66290
FG-1000x2 FIXED FILTERING KIT · 50 / 15 µm absorbent · 1000 l/min	66310

Composed of:

- 1 Ø150x458 mm impact filtering element of 50 µm (micron)
- 1 final element of absorbent paper of 15 µm (micron)
- 1 fixed platform for the direct fixation to the ground or 1 mobile platform with 2 swivelling wheels and 2 fixed ones with an ergonomic handle
- 2 manual drain valves for the elimination of the residual air
- 2 differential manometers in order to see when to replace or clean the filter
- 2 outputs for the filtered liquid sampling
- 2 inlets for the air connection at pressure in order to make the filter cleaning without disassembling them



FIXED AND MOBILE FILTERING KITS WITH PUMP

DESCRIPTION	CODE
FG-300x2 MOBILE FILTERING KIT with BAG-800 TRIPHASE PUMP	66152
FG-300x2 MOBILE FILTERING KIT with BAG-800 SINGLE-PHASE PUMP	66154
FG-300x2 FIXED FILTERING KIT with BAG-800 TRIPHASE PUMP	66153
FG-300x2 FIXED FILTERING KIT with BAG-800 SINGLE-PHASE PUMP	66155

Composed of:

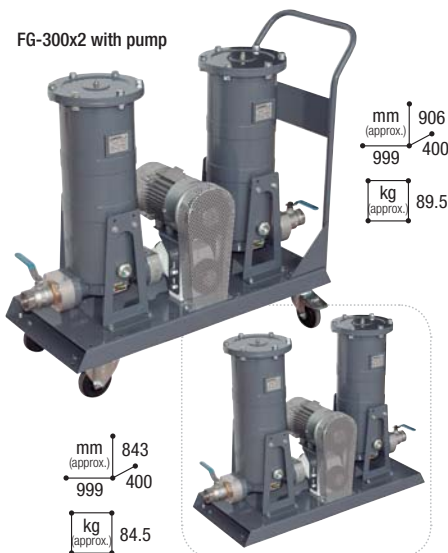
- 1 Ø150x458 mm impact filtering spare of 50 µm (micron)
- 1 final water absorbent filtering element of 15 µm (micron)
- 1 fixed platform to be fixed directly to the ground or 1 mobile platform with two swivelling wheels and 2 fixed ones with an ergonomic handle
- 2 manual drain valves to eliminate the residual air
- 2 differential manometers
- 2 outputs to take samples of the filtering liquid
- 2 inlets for the air connection at pressure in order to make the filter cleaning without being disassembled
- BAG-800 1 kW 230/400 VAC or 230 VAC pump (refer to pump features in page 26)

■ Spares:

- Absorbent filtering element spare part of 15 µm (micron)
- Ø150x458 mm impact filtering spare part of 50 µm (micron)



661903000
460000010



FILKIT · FG-100x2 + IRON-50 230 VAC · 25 / 5 µm	66270
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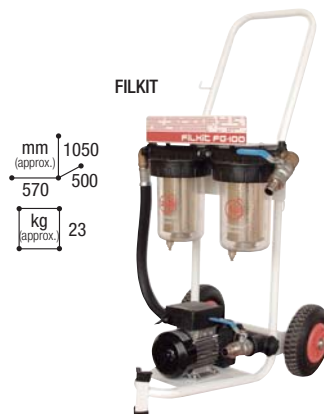
Mobile filtering kit composed of:

- IRON-50 230 VAC · 50 l/min pump
- Cut-off valve
- Metallic trolley with high stability soft wheels
- FG-100BIO · 25 µm (micron) + FG-100 · 5 µm (micron) microfilters
- Support to pick up the hose and hang the nozzle
- FUP-1 filter

■ Optional: FILKIT hose kit

Composed of: 6 m suction hose and 4 m delivery hose + PSF-040 nozzle + foot valve with filter

662708000





DESCRIPTION

CODE

YORK BASE FILTERS

- 1/2" York base filter
- 3/4" York base filter
- 1" York base filter
- 1 1/4" York base filter
- 1 1/2" York base filter
- 2" York base filter

802700004
802700005
802700003
802700002
802700001
802700006

CHECK VALVE WITH OR WITHOUT YORK BASE FILTER

with filter

without filter

- 1/2" Check valve
- 3/4" Check valve
- 1" Check valve
- 1 1/4" Check valve
- 1 1/2" Check valve
- 2" Check valve
- 2 1/2" Check valve
- 3" Check valve

805600001
805600002
805600003
805600004
805600005
805600006
805600007
805600008

805601009
805601002
805601003
805601004
805601005
805601006
805601007
805601008

ALUMINIUM VESSEL FILTER - 5 bar FF1/2"

802702001

1" MULTIVALENT VESSEL FILTER

802704003

FUP-1 FF1" FILTER (POLYAMIDE + FIBREGLASS) OF 350 µm (micron)

66030

SELF-CLEANING LOWER FILTER

66020

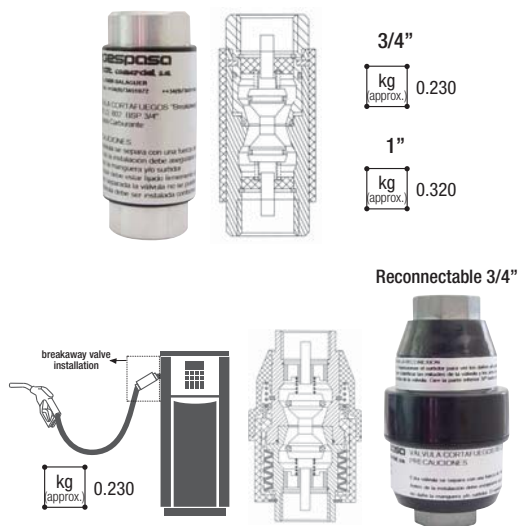
FF3/8" TRANSPARENT VESSEL FILTER

802705001

"Y" BRASS FILTERS

- 1/2" "Y" brass filter
- 3/4" "Y" brass filter
- 1" "Y" brass filter
- 1 1/4" "Y" brass filter

802701006
802701004
802701003
802701002



The breakaway valves are designed to be installed in fuel supply hoses and they will be separated when there was a strong pull. The double seat valve automatically stops the fuel flow, limiting any fuel spillage and protecting the supply kit.

802 «BREAKAWAY» VALVE - BSP 3/4"xBSP 3/4" - 0-60 l/min

805604016

804 «BREAKAWAY» VALVE - BSP 1"xBSP 1" - 0-120 l/min

805604015

- Body: aluminium
 - Main seals: Viton
 - Main spring: stainless steel
 - Guide and poppet: POM
 - Protective sleeve: PVC
- The valve is designed to be replaced after de separation.

3/4" «BREAKAWAY» RECONNECTION VALVE - BSP 3/4" - 0-60 l/min

805604019

PA-80 - F1" - «BREAKAWAY» SWIVELLING VALVE

805604026

RECONNECTABLE

- Body: die cast zinc
- Main seals: Viton
- Main spring: stainless steel
- Guide and poppet: POM
- Protective sleeve: PA66

FF1 1/2" «BREAKAWAY» VALVE FOR SUPPLY KITS WITH SUBMERSIBLE PUMP

805603010

- The «breakaway» (emergency shut-off) valve is obligatory in the installation of fuel supply kits that are equipped with a submersible pump.
- This valve is installed on the fuel supply lines to minimize hazards associated with accidental collision or fire.
- This valve stops the fuel flow.
- When this valve works, this is separated in two halves, closing the fuel piping.

- Materials:**
- Material: cast iron
 - Joints: Buna-N

- Technical data:**
- Flow: 0-120 l/min
 - Working pressure: 2 bar

WARNING: IT IS ADVISABLE TO REPLACE IT BY A NEW RECONNECTABLE BREAKAWAY VALVE WITH THE EFFORT FORCE LOWER THAN 80 kg, AFTER MANY RECONNECTIONS.



DESCRIPTION

CODE

MANUAL NOZZLES

PT-60 - MANUAL NOZZLE	60 litres	47010
<ul style="list-style-type: none"> - Flow: 60 l/min - Connection: F3/4" - Made of polyamide 6 -15 % Fibreglass - Maximum pressure: 2 kg/cm² - NBR joint 		
PSF-040 - MANUAL NOZZLE	80 litres	47030
<ul style="list-style-type: none"> - Flow: 80 l/min - Connection: F1" rotary swivel - Made of aluminium - Maximum pressure: 3 kg/cm² - Trigger fixation - Curved aluminium end 		
PE-010 - MANUAL NOZZLE	300 litres	47061G
<ul style="list-style-type: none"> - Flow: 300 l/min - Connection: F1 1/2" - Made of aluminium - Maximum pressure: 3 kg/cm² - Trigger fixation 		

AUTOMATIC NOZZLES

PA-60 - AUTOMATIC NOZZLE PA-60U - AUTOMATIC NOZZLE FOR ADBLUE/DEF	60 litres	47200G 47291
<p>Aluminium body for diesel (black nozzle) and stainless body for AdBlue/DEF (blue nozzle) with plastic cover, ergonomic design, 3-position progressive flow regulation with automatic cut.</p> <ul style="list-style-type: none"> - Flow: 60 l/min - Connection: F3/4" - Trigger fixation 		
PA-80 - AUTOMATIC NOZZLE FOR DIESEL PA-80 - 3/4" - AUTOMATIC NOZZLE FOR UNLEADED PETROL PA-80 - 1" - AUTOMATIC NOZZLE FOR UNLEADED PETROL	80 litres	47210G 47251 47254
<p>Aluminium body with plastic case (black for diesel, green for unleaded petrol), ergonomic design, regulation with maximum one position and progressive flow with automatic cut.</p> <ul style="list-style-type: none"> - Flow: 80 l/min - Connection: F1" swivel (diesel) - black nozzle - Connection: F3/4" or 1" swivel (unleaded petrol) - green nozzle - Trigger fixation 		
PA-120 - AUTOMATIC NOZZLE	120 litres	47220G
<ul style="list-style-type: none"> - Flow: 120 l/min - Connection: F1" swivel - Trigger fixation 		
PA-140 - AUTOMATIC NOZZLE	140 litres	47230G
<ul style="list-style-type: none"> - Flow: 140 l/min - Connection: F1" swivel - Trigger fixation 		
PA-250 - AUTOMATIC NOZZLE	250 litres	47240
<ul style="list-style-type: none"> - Flow: 200 l/min - Connection: M1 1/2" swivel - Trigger fixation 		

Optional accessories:



- MF3/4" rotary swivel
- MF1" rotary swivel
- M3/4" F1" rotary swivel

804503007
804503001
804503002



Optional: swivel adapter



Optional: swivel adapter



Suction/Delivery hoses



Detail of the hose end with adapter



Springwel suction hose



Suction kit with anti-siphon valve



Gravity kit



DESCRIPTION

CODE

SUCTION & DELIVERY HOSES

ANTISTATIC DOUBLE LAYER HOSES (m)

Diesel

- Ø19 mm hose special for diesel
- Ø25 mm hose special for diesel
- Ø30 mm hose special for diesel

803401105
803401001
803403003

- Optional: - To put adapters in both ends

670001007

Petrol

- Ø16 mm hose special for unleaded petrol (green) - EN1360
- Ø19 mm hose special for petrol - EN1360
- Ø25 mm hose special for petrol - EN1360
- Ø40 mm hose special for diesel/petrol

803403005
803401011
803401007
803401010

- Optional: - Ø16 mm M3/4" reconnectable adapter
- Ø16 mm M1" reconnectable adapter
- Ø19 mm M3/4" reconnectable adapter
- Ø19 mm M1" reconnectable adapter
- Ø25 mm M1" reconnectable adapter

472102012
472102013
472102014
472102015
472102016

SPRINGWEL BLACK SUCTION HOSES (m)

- Ø25 mm Springwel black suction hose
- Ø30 mm Springwel black suction hose
- Ø40 mm Springwel black suction hose

803400010
803400011
803400012

SPRINGWEL TRANSPARENT SUCTION HOSES (m)

- Ø20 mm Springwel transparent suction hose
- Ø25 mm Springwel transparent suction hose
- Ø30 mm Springwel transparent suction hose
- Ø40 mm Springwel transparent suction hose

803400005
803400001
803400003
803400002

TELESCOPIC TUBE KITS

- PP M3/4" F1" telescopic tube with filter - height 0.98 m
- PP M3/4" F1" telescopic tube with filter - height 1.30 m
- PP M3/4" F1" telescopic tube with filter - height 1.90 m
- PP M1" F1 1/4" telescopic tube with filter - height 0.98 m
- PP M1" F1 1/4" telescopic tube with filter - height 1.30 m
- PP M1" F1 1/4" telescopic tube with filter - height 1.90 m
- PP M1" F1 1/4" telescopic tube with valve and filter - height 0.98 m
- PP M1" F1 1/4" telescopic tube with valve and filter - height 1.90 m

35660
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35630
35740
35790
35850
35840

METALLIC TUBE SUCTION KIT WITH CHECK VALVE WITH FILTER + 3 m SUCTION HOSE

- Suction kit with check valve and 1" filter - height 1.35 m
- Suction kit with check valve and 1" filter - height 1.65 m
- Suction kit with check valve and 1" filter - height 1.90 m
- Suction kit with check valve and 1 1/4" filter - height 1.65 m
- Suction kit with check valve and 1 1/4" filter - height 1.90 m
- Suction kit with check valve and 1" filter, ball valve and anti-siphon valve - height 1.65 m
- Suction kit with check valve and 1" filter, ball valve and anti-siphon valve - height 1.90 m
- Suction kit with check valve and 1 1/4" filter, ball valve and anti-siphon valve - height 1.65 m
- Suction kit with check valve and 1 1/4" filter, ball valve and anti-siphon valve - height 1.90 m

35560
35550
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35552
35572
35522
35532

GRAVITY TANK KIT composed of:
MF1" ball valve, FUP-1 FF1" filter, 5 m Ø25 mm delivery hose and PSF-040 manual nozzle with rotary swivel

35620

DESCRIPTION CODE

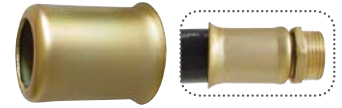
26.1 ADAPTERS AND FERRULES

PP M3/4"x25 mm PLASTIC ADAPTER PP M1"x25 mm PLASTIC ADAPTER	804501002 804501001
28x41.5 mm FERRULE 37x51 mm FERRULE	801200011 801200012
M3/4"x19 mm BRASS ADAPTER M1"x19 mm BRASS ADAPTER M1"x25 mm BRASS ADAPTER	804500012 804500021 804500001

Plastic adapter



Ferrule



Brass adapter



26.2 FLANGES

M1" COMPLETE LONG UNION FLANGE KIT	800003027
---	-----------

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

It is optionally supplied with a filter-sieve of 350 µm (micron) made of stainless steel in order to avoid the inlet of impurities into the meter.

■ **Optional:**



- STAINLESS filter-sieve of 350 µm (micron) Ø33 mm (flange inner)

460000003

F1" COMPLETE ALUMINIUM FLANGE KIT	800003022
--	-----------

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

90° ELBOW KIT WITH ALUMINIUM FLANGE AND THREAD	800003041
---	-----------

Special aluminium flange kit (90°) for the quick coupling of the pump and/or pipe to any type of installation with joints and screws.

Union flange



Union flange with sieve filter



Aluminium flange kit



90° flange kit



26.3 NOZZLE HANGERS

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

PA NOZZLE HANGER PA NOZZLE HANGER + MICRO-SWITCH PA NOZZLE HANGER + EEXE MICRO-SWITCH	280403001 280403101 280403201
--	-------------------------------------

Nozzle hanger with and without micro-switch



26.4 PEDESTAL BASES

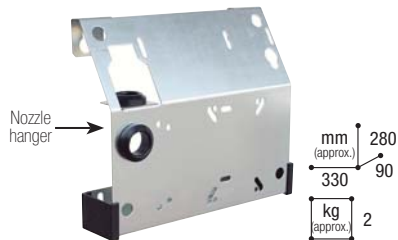
1 m hexagonal pedestal base made of sheet for the own consumption controllers and the supply kits.

PEDESTAL BASE for GK-7 PEDESTAL BASE for COMPACT MECHANICAL supply kit PEDESTAL BASE for COMPACT supply kit with GK-7	800400013 800400014 800400015
--	-------------------------------------

Pedestal base



Universal support



Base no. 3



Polythene tank platform



AS-1



AS-2



AS-3



AS-5



AS-5P



mm (approx.)
585
330
620

*It does not include the nozzle.

DESCRIPTION

CODE

UNIVERSAL SUPPORT

800404259

Zinc-plated sheet 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.

It has a nozzle hanger with rubber protection and drip pan.

BASES FOR THE SUPPLY KITS

Steel sheet bases to put the pumping kits and to fix on the wall or on any surface with a nozzle hanger with rubber protection. Finish in brilliant epoxy paint.

Model	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
■ BASE no. 3	320	260	527	6
■ BASE no. 4	400	300	325	6

800400001

800400011

POLYTHENE TANK PLATFORM

800400002

Sheet platform to install the pumping kits on the tanks. Finish in brilliant epoxy paint.

AS - CABINETS FOR EXTERNAL USE

- Made of 1.5 mm sheet
- Opening under the door to pass the hose
- Key locking
- Finish in brilliant epoxy paint

Model	Length (mm)	Width (mm)	Height (mm)
■ AS-1	470	265	1000
■ AS-2	470	265	500
■ AS-3	450	230	400
■ AS-5B	620	300	580

50000

51000

52000

55000

AS-5P - CABINET FOR EXTERNAL USE WITH NOZZLE HANGER

55070

AS-5P - CABINET FOR EXTERNAL USE WITH NOZZLE HANGER + MICRO-SWITCH

55080

- Made of 1.5 mm sheet
- Opening under the door to pass the hose
- Key or padlock locking (the padlock is not included)
- Pump support with anti-vibration system
- Nozzle hanger made of PA+fibreglass adaptable to different models of automatic nozzles

- Micro-switch in the nozzle hanger to make the automatic stop of the pump when the supply nozzle is hung.



The cabinets have the capacity to have installed indoors the FG-100 microfilter, the pumps and meters from 100-200 l/min in different positions.

DESCRIPTION

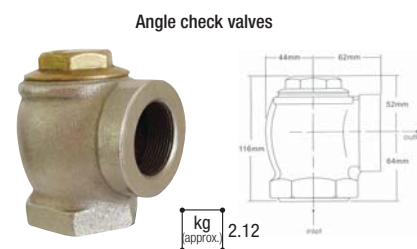
CODE

ANGLE CHECK VALVES

The angle check valves are installed in the suction tube, in the top of the buried storage tanks.

- **BSP 1 1/2" angle check valve**
- **BSP 2" angle check valve**

805603009
805605002

**ADJUSTABLE ANTI-SIPHON VALVES**

- Anti-siphon valve 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.
- Its installation is obligated for all the aerial tanks according to the "Reglamento de Instalaciones Petrolíferas" (Spanish Petroleum Installation Regulation) and "la Instrucción Técnica Complementaria MI-IP04" (Spanish Technical Complementary Instruction).

- **1" adjustable anti-siphon valve**
- **1 1/4" adjustable anti-siphon valve**
- **1 1/2" adjustable anti-siphon valve**
- **2" adjustable anti-siphon valve**

805604010
805604011
805604028
805604013

Anti-siphon valve



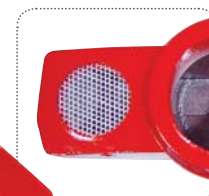
1" fire cut-off valve

**FIRE CUTOFF VALVES**

- **1" fire cutoff valve**
- **T 2" fire cutoff valve**

801900005
801900004

T fire cut-off valve

**CHARGING HOLES**

- **F2" charging hole**
- **F3" charging hole**
- **M3" charging hole plug**

800600001
800600002
800602001

Charging hole

**ACOUSTIC OVERFILL 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.

801904008



Acoustic overfill alarm

F2" OVERFILL VALVE

- Valve to avoid a fuel spill because of an excessive filling of the aerial tanks.
- It is installed in the filling tank hose. This valve closes the liquid flow when the product level gets almost its capacity total, using a buoy and a Venturi jet system, causing some hose strokes and a flow reduction which means the supply must be cut.
- The lower valve diameter is intended for the 2" discharge pipes.
- It has included a special key for an easy installation.

801904014



F2" overfill valve

Special overfill valve key



F4" overfill valve

**F4" OVERFILL VALVE**

- 2-phase closing valves to avoid the overfill of the aerial and buried tanks with capacity higher than 3,000 litres. They are automatically closed when the product level gets the 92 % of its capacity.
- The lower valve diameter is intended for the 4" discharge pipes.

801904013



DESCRIPTION

CODE

SINGLE-SKINNED POLYTHENE TANKS

- They are suitable to store petroleum products such as diesel, mineral and vegetable oils, waste oil and also not drinking water, ...
- They are easy to install and interconnect themselves with pipes up to 5 tanks of the same type, maximum 10,000 litres.
- These tanks are manufactured through a blow moulded and polythene process of high density, being unalterable (there is no risk of an internal or external corrosion), resistant to impacts and temperature changes.
- They comply with the UNE EN-13341 Regulation.

Model	Nominal capacity (litres)	Length (mm)	Width (mm)	Height (mm)	Weight approx. (kg)
■ 500	500	1,125	650	963	22
■ 700	700	1,125	650	1,330	29
■ 1000E	1,000	1,125	650	1,920	40
■ 1000	1,000	1,670	740	1,200	40
■ 1500	1,500	1,670	740	1,800	65
■ 2000	2,000	1,670	880	1,850	74
■ 3000*	3,000	2,230	995	1,610	165

*With metallic supports

38650
38670
38680
38590
38600
38610
38750



INTEGRALLY-BANDED POLYTHENE TANKS

- They are suitable to store petroleum products such as diesel, mineral and vegetable oils, waste oil, and also not drinking water, ...
- Made of high density polyethylene and high molecular weight
- The tanks higher than 999 litres have built in a level indicator.
- The exterior casing makes the function of retention container of 100% capacity in the event of an inside tank leak, and it also adds a high tank security.
- They comply with the UNE EN-13341 Regulation.

Model	Nominal capacity (litres)	Length (mm)	Width (mm)	Height (mm)	Weight approx. (kg)
■ 750	750	780	780	1,710	44
■ 1000E	1,000	810	810	1,990	56
■ 1100	1,100	1,580	790	1,360	56
■ 1500	1,500	1,580	790	1,720	69
■ 2000	2,000	1,840	1,000	1,902	180

38741
38761
38631
38641
38731



SPILL TRAYS

- Leak-tight containers for the fuel retention stored in the tank in the event of any leak
- It is suitable for tanks of 1,000 litres or lower.
- Made of 0.8 mm galvanised steel sheet.
- «The storages with capacity not higher than 1,000 litres of Class C product (diesel) do not need retention container. They must have a spill tray with capacity, at least, the 10 per 100 of the tank.» (Spanish "Real Decreto 1523/99")

Model	Length (mm)	Width (mm)	Height (mm)	Weight approx. (kg)	Compatibility
■ Tray A	1,680	750	160	12	*
■ Tray B	1,220	690	160	10	
■ Tray C	810	810	160	8.50	

*The compatibility of the trays depends on the tank manufacturer.

385905015
385905016
385905017



PRICES OF THE TANKS UNDER QUOTE

DESCRIPTION

CODE

**APPROVED SUPPLY KIT FOR TANKS
S-50 230 V KIT + BASE no. 4 + NOZZLE + ANTI-SIPHON VALVE + VENT VALVE**

34170-CF00000

- Self-suction pump of 230 VAC · 50 l/min
- MG-80 mechanical meter. 3-digit partial indicator and 6-digit totalizer. Connection: 1" GAS (BSP) with 3 inlets and 2 outlets. Manual reset
- Metallic base no. 4 for polythene tank where to put the pump, the fire-extinguisher, the electric frame with differential and magnetothermal
- 4 m Ø3/4" delivery diesel hose with 1" adapters in both ends
- PA-60 · Automatic nozzle with swivel
- 1" ball valve in the suction
- 1" suction steel tube with dismantling union of 3 pieces (pump inlet)
- 1" anti-siphon valve with adjustable security system for tanks of different diameter
- 1" suction steel tube of 1.90 m with 1" York filter (tank inner)
- 2 m vent tube with 1" fire cut-off valve
- 2 x 2" bung adapters for the direct connection of the pipes



*Tank not included

■ **Optional:**

- Integrally-banded polythene tank of capacity 1,500 or 2,000 litres.

1 1/2" LEVEL INDICATOR

801901001

- Tank fuel height gauge.
- It is suitable for aerial tanks with a maximum diameter of 2 metres (15,000 litres).
- This indicator has a float that is put into the tank. This float is joined to the clock through a thread.
- Easy and quick reading through the clock, expressed in centimetres
- M 1 1/2" thread



WA - LEVEL ALARM

808316013

- The transmitter is fitted on the top of the tank and uses ultrasonic level measurement techniques, constantly measuring the level of fuel in the tank.
- It transmits the information to the receiver which is plugged into an electric wall socket, located in a convenient place in the house.
- The height of the liquid is displayed in the LCD screen of the receiver. The householder can monitor the level of the fuel in their tank from their home.
- When the level of fuel in the tank gets below 10 %, the fuel dispensing pump symbol appears, and, optionally, a buzzing tone, indicating to the householder that it is time to order some more fuel.
- In case the fuel level in the tank drops at a rate that is not common for a domestic fuel tank (more than 3 cm in a minute), the receiver will emit a siren type sound, indicating a theft / leak is occurring.



- Liquid level visualization
- Quick and easy installation
- It is suitable for steel or plastic tanks (minimum width: 600 mm)
- Low energy consumption
- 200 metres from the transmitter to the receiver
- It measures tanks up to 3 metres of height.
- Option of an audible setting sending out a buzzing tone when fuel levels run low.

GENIUS · LEVEL INDICATOR (refer to page 50-52)

GENIUS





DESCRIPTION

CODE

FUELTANK - STORAGE AND SUPPLY TANKS

- This kit is designed to store and supply fuel in a secure and effective way.
- Material: Made of high quality polythene. UV and high temperature resistance. Maximum protection with possible leaks that could damage the environment. Unlike the sheet tanks, its appearance and properties are more lasting.
- The GESPASA supply kit (optional) is well-protected in the booth with lock. This prevents the access to non-authorized personnel and also reduces all type of problems. The kits are protected against the inclemency of the weather.
- Transport: It is designed for an easy handling with a forklift or a crane, when it is empty.

*10-year warranty

Standard equipment:

- Distribution closet with locking
- Oil level gauge (Oil Watchman Plus) with the spill detector built in
- Maximum level detector that works with the filling system
- Automatic shutoff valve with 6 m flexible hose
- 16" lid in the internal tank
- 2" filling nozzle
- Hermetic lid in the internal tank (Ø140 mm)
- Air drain valve in the internal tank.

Model	Capacity (litres)	Length (mm)	Width (mm)	Height (mm)	Weight approx. (kg)
■ FM3000	3,500	2,850	2,200	1,960	268
■ FM5000	5,000	2,850	2,230	2,340	307
■ FM9000	9,000	3,280	2,480	2,950	565

38411

38412

38403

Accessories

- 1" adjustable anti-siphon valve (50 l/min)
- 1 1/4" adjustable anti-siphon valve (80 l/min)

805604010

805604011

FUELTANK SLIM-4000 - 4,000-litre capacity

38413

Resistant to corrosion and UV radiation
The door opened to the right or the left.
Lockable housing protects the dispensing equipment against unauthorized access.
The tank can be easily transported by a forklift truck.
Raised roof enables easy access to the tank inner.
*10-year warranty

Composed of:

- 2" filling line
- Self-suction pipe with 1" suction line with filter and anti-return valve
- Support for keeping the nozzle in its correct position
- Lockable door for the supply kit and inspection lid in the tank top.
- 8" inspection hatch on the tank inner

29.1 SUPPLY KITS FOR TANKS



COMPACT + AS-2

**SE-50 230 VAC COMPLETE KIT + metallic base no. 4 without suction tube**

16030-CF00000

SE-75 230 VAC COMPLETE KIT + metallic base no. 4 without suction tube

16031-CF00000

COMPACT 50E-230 in AS-2

28053-CF00000

COMPACT 75E-230 in AS-2

28291-CF00000

*Refer to features and optionals in page 36

COMPACT 50K-60 230 (60 users) in AS-2

28540-CF00003

COMPACT 75K-60 230 (60 users) in AS-2

28640-CF00003

*Refer to features and optionals in page 47

Optional:

- FG-100 transparent microfilter · 2-litre capacity · Microfiltering of 5 µm (micron)
- GENIUS level indicator

39023

25730

DESCRIPTION

CODE

- Compact petrol installation for the diesel storage and supply to vehicles (own consumption), heatings, forwarders, agricultural cooperatives, ...
- Constructed and assembled following the general criteria of the Petrol Installation Regulations and the MI-IP03 / IP04 Complementary Technical Instruction (Rule)

DOUBLE WALL KIT-3000 without pumping kit**DOUBLE WALL KIT-5000 without pumping kit****DOUBLE WALL KIT-10000 without pumping kit****DOUBLE WALL KIT-15000 without pumping kit****Composed of:****1. Double wall tank**

- Double wall steel tank of horizontal cylindrical shaft for its aerial installation, manufactured under UNE rules:
 - UNE 62351-2 capacity up to 3,000 litres
 - UNE 62350-2 capacity higher than 3,000 litres
- Equipped with: support structure, manifold in manhole and diver tube, leak system by vacuum. External non-corrosive finish.
- 400 mm vent valve set
- 2" T valve or fire cutoof valve with built-in grid
- 1" suction set with check valve with filter and cut valve
- Vk-80 3" brass charging hole with chain in the cover
- External level slide
- Overfill valve installed in tanks higher than 3,000 litres
- Pressure relief valve

2. Chassis against impacts

- Metallic structure that protects the tank against impacts with a stair to access the manhole with non-slip flat and security rail (in tanks higher than 3,000 litres)
- Extinguisher
- Support to hang the hose

Optional:

- Supply kit
- Own consumption controller or dispensers.
- FG-100 · Transparent microfilter · 2-litre capacity · Microfiltration of 5 µm (micron)
- Adjustable anti-siphon valve

KIT-3000



KIT-5000



KIT-10000



KIT-15000

**METALLIC TANKS****CYLINDRICAL CARBON STEEL TANKS**

- Simple or double wall tanks suitable for fuel, diesel, petrol, mineral and vegetable oils, waste oil, ...
- Fixation support for the transport and installation
- 500 mm manhole. Hermetic seal.
- They usually have two handles for its handling and raising.

SIMPLE AND DOUBLE WALL TANK CAPACITIES:

From 1,000 to 50,000 litres

CYLINDRICAL GRG (*ask for it)



RECTANGULAR GRG

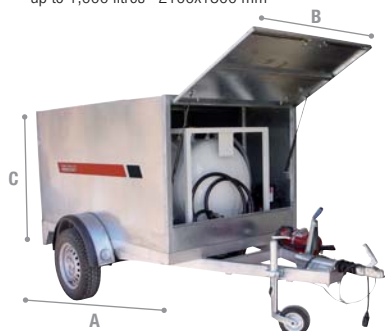


* Supply kit not included



BASIC TRAILER (dim. AxB approx.)
 up to 500 litres · 1500x1150 mm · 182.5 kg
 up to 1,000 litres · 2100x1300 mm

* Supply kit not included



CASED TRAILER (dim. AxBxC approx.)
 FUEL up to 500 litres · 1,650x1,150x960 mm
 FUEL BOX up to 500 litres · 2,100x1,300x960 mm
 SPECIAL FUEL BOX up to 1,000 litres · 2,500x1,300x1,200 mm

DESCRIPTION

CODE

GRG STEEL TANKS

- Autonomous fuel transport units specially suitable for the fuel transport of heavy and agricultural machinery, excavations, ... These are also suitable to be installed in vans, "pickup", trucks, etc.
- They have built in the fire extinguisher, the venting valve and the FUP-1 filter.
- These are approved according to ADR regulations, for the road traffic without dangerous goods card.
- They are made of ST 44-2 carbon steel and finished with Epoxy paint, with inner "bulwark" and security valve.

* Supply kit customisation according to the customer's needs

RECTANGULAR

Model	Capacity (litres)	Dim. AxBxC approx. (mm)	Weight (approx.) (mm)
■ GRG 190	190	900x395x750	55
■ GRG 320	320	1,000x600x750	69
■ GRG 500	500	1,000x600x1,000	106
■ GRG 980	980	1,250x1,000x950	153.5

*Ask for the CYLINDRICAL GRG

BASIC TRAILER · Hasta 500 litros · with brake
BASIC TRAILER · up to 1,000 litres · with brake

- Galvanized trailers, of capacities up to 500 litres with lateral protection rail, 155 R13" big wheels and "jockey" move wheel, with brake.
- It can be towed to any type of vehicle. It does not need registration. They are exempt from taxes. Without periodical service of "MOT" (vehicle inspection).

* Supply kit customisation according to the customer's needs

FUEL TRAILER · up to 500 litres
FUEL BOX TRAILER · up to 500 litres
SPECIAL FUEL BOX TRAILER · up to 1,000 litres

WITH BRAKE AND TOP TRAP DOOR

- Cased trailer with one or two tip-up hydraulic doors and security lock, totally galvanized, with brake and top trap door and enough charge space for oils, greasers, tools, accessories... 155 R13" big wheels (FUEL) - 185 R13" (FUEL BOX) and "jockey" move wheel.
- These trailers needs to be registered and an own insurance.

* Supply kit customisation according to the customer's needs



IRON-50 12 V + PSF-040 - GRG KIT

11800-CF00000

Composed of: IRON-50 12 VDC pump with 4 m electrical cable · PSF-040 manual nozzle · 4 m Ø3/4" hose



IRON-50 12 V + PA-60 - GRG KIT

11800-CF00001

Composed of: IRON-50 12 VDC pump with 4 m electrical cable · PA-60 automatic nozzle with swivel · 4 m Ø3/4" hose



SE-50 12 V + PSF-040 - GRG KIT

11810-CF00000

Composed of: IRON-50 12 VDC pump with 4 m electrical cable · MGE-110 electronic meter · PSF-040 manual nozzle · 4 m Ø3/4" hose



SE-50 12 V + PA-60 - GRG KIT

11810-CF00001

Composed of: IRON-50 12 VDC pump with 4 m electrical cable · MGE-110 electronic meter · PA-60 automatic nozzle with swivel · 4 m Ø3/4" hose

DESCRIPTION

CODE

TruckTank · Polythene GRG

- GRG mobile tanks for the legal and safe fuel transport and supply, with ADR certificate. (It includes the European ADR certification Stamp) FT420 certificate no. 413/0/575 and FT900 certificate no. 448/0/1237.
- They are light and high resistance.
- They are suitable to be transported in trucks / vans and to refuel the building, farming and industrial machinery.
- Material: They are made of resistant UV polythene of average density, which maintains the colour.
- They are not cracked or oxidized.

*5-year warranty

It includes:

- Lid with key
- 4 metallic shackles to lift it with security (optional for the tanks of 200 litres)
- Internal light (optional for the tanks of 200 litres)
- Level indicator (only for the tanks of 420 and 900 litres)
- Suction tube with filter
- Air drain valve with a design that allows avoiding the fuel spillage during the transport
- Bushing with M2" connector
- Closing valve

■ **Optional:**

SUPPLY KIT composed of:

- Self-suction pump of 12 VDC · 40 l/min
- 4 m Ø3/4" hose
- Manual or automatic nozzle
- With or without high accuracy electronic meter · ±0.5 %



GRG inner with supply kit



Model	Capacity (litres)	Length (mm)	Width (mm)	Height (mm)	Weight (approx.) (kg)
■ FT200	200	1,180	860	500	31
■ FT420	420	1,180	860	910	44.5
■ FT900	900	1,410	1,050	1210	80

38422
38420
38421

TRUCKTANK SUPPLY KITS 31.1

IRON-50 12 V + PSF-040 · GRG TRUCKTANK KIT

11820-CF00000

Composed of: IRON-50 12 VDC pump with 4 m electrical cable · PSF-040 manual nozzle · 4 m Ø3/4" hose



IRON-50 12 V + PA-60 · GRG TRUCKTANK KIT

11820-CF00001

Composed of: IRON-50 12 VDC pump with 4 m electrical cable · PA-60 automatic nozzle with swivel · 4 m Ø3/4" hose



SE-50 12 V + PSF-040 · GRG TRUCKTANK KIT

11830-CF00000

Composed of: IRON-50 12 VDC pump with 4 m electrical cable · MGE-110 electronic meter · PSF-040 manual nozzle · 4 m Ø3/4" hose



SE-50 12 V + PA-60 · GRG TRUCKTANK KIT

11830-CF00001

Composed of: IRON-50 12 VDC pump with 4 m electrical cable · MGE-110 electronic meter · PA-60 automatic nozzle with swivel · 4 m Ø3/4" hose



DESCRIPTION

CODE

DRINKING WATER AND ADBLUE/DEF TANKS

- Made of opaque polythene of high density (PEAD) and high molecular weight through blowing extrusion. They comply with the requirements of the Spanish law in order to be in touch with the food products, drinking water and AdBlue/DEF.
- High tank opacity, avoiding the alga formation
- All the models are composed of three threaded top registers: charge, ventilation (72 mm) and cleaning (400 mm).
- They are suitable for the installation of any type of accessory.

MODULAR

- Square format suitable for reduced and/or narrow spaces

Model	Nominal capacity (litres)	Length (mm)	Width (mm)	Height (mm)	Register (mm)
■ AM750	750	750	720	1,700	200
■ AM1000	1,000	780	780	1,980	200

38940
38151

NARROW

- They are suitable for narrow doors of 70 cm.

Model	Nominal capacity (litres)	Length (mm)	Width (mm)	Height (mm)	Register (mm)
■ A700	700	1,105	660	1,395	400/72
■ A1200	1,200	1,060	660	1,813	400/72

38941
38152

RECTANGULAR

- They are suitable for fire-prevention installations.

Model	Nominal capacity (litres)	Length (mm)	Width (mm)	Height (mm)	Register (mm)
■ AB1000	1,000	1,670	740	1,200	400/72
■ AB1500	1,500	1,670	740	1,800	400/72
■ AB2000	2,000	1,670	880	1,850	400/72
■ AB3000	3,000	2,230	995	1,650	400/72
■ AB4000	4,000	2,430	995	1,950	400/72

38153
38950
38140
38180
38960

CYLINDRICAL POLYESTER TANKS FOR WATER

- Aerial or buried tanks
- Capacities from 6,000 to 40,000 litres
- Composed of: 1 manhole, 2 flanges and 1 DN50 flange holder



33 CONTAINERS

MANHOLE CONTAINER PLUS MANHOLE CONTAINER

808313003
808313006

- This fuel tank chest allows installing pumps, valves and other type of equipment required for the connection of the tank with the supply kit.
- It is composed of two pieces: base and neck, joined with a ring, assuring its total sealing.
- Material: polyethylene
- Optionally it has flexible wall glands to make easier the piping.

4" SPILL CONTAINER WITH Ø360 mm STEEL COVER 4" SPILL CONTAINER WITH Ø410 mm STEEL COVER 4" SPILL CONTAINER WITH Ø360 mm FIBRE COVER

808313004
808313005
808313001G

- The spill manhole container is designed to prevent the product spill near filling connections and vapour outlet in buried storage tanks during a normal filling operation. It helps to prevent the soil contamination and the ground water pollution.
- Easy installation. Its flexible structure allows a good adaptation in all type of land.
- It allows draining the container product to the buried tank.
- Capacity: 19 litres

Materials:

- Cover: 4" spill container with steel cover: Cast iron
4" spill container with fibre cover: Polyamide with fibreglass
- Mounting ring: Cast iron
- Bellow: Polythene
- Base: Compound fibre
- Brackets: Stainless steel
- Seals: Buna-N



4" spill container with fibre cover



DESCRIPTION

CODE

HYDROCARBON SEPARATORS

HYDROCARBON SEPARATORS WITH DECANter AND COALESCING CELL

- It is an equipment made for retaining the hydrocarbon in suspension that could be in dirt waters. It is obligatory headed by a decanter that will retain the heavy material.
- The Spanish Water Law of 1985 and the corresponding local regulations forbid the spill of lubricant, oil and hydrocarbon, new or waste, in the surface, ground waters or in sewers.
- The hydrocarbon separators with coalescing cell are particularly advisable to treat waters before their spill in significant zones (rivers, lakes, seas, etc.) or when the local regulation ask for some results higher than it is usual. These separators comply with the EN858 European Regulation, separators of Class I (spill < 5mg/l).

Features:

- Retention capacity: 10 litres per l/s of nominal flow
- Treatment capacity: 1 to 15 l/s
- Decanter volume: 200 litres per l/s of nominal flow
- Output: 99,88 % (lower than 5 mg/l) for a density of 0,85



Model	Flow (l/s)	Weight (kg)	Height (mm)	Diameter (mm)	Decanter volume (L)	Separator volume (L)
■ SHDOC2-1-03	3	130	1,170	1,600	656	380
■ SHDOC2-1-06	6	225	1,500	1,930	1,275	500
■ SHDOC2-1-08	8	245	1,780	1,930	1,730	700
■ SHDOC2-1-10	10	305	1,580	2,400	2,010	1,030
■ SHDOC2-1-15	15	340	1,930	2,400	3,020	1,030

801905003

801905004

801905005

801905006

801905007

Model	Flow (l/s)	Weight (kg)	Height (mm)	Width (mm)	Length (mm)
■ SH2/6643/01	1	67	970	760	1,190
■ SH2/6643/03	3	87	1,280	760	1,320
■ SH2/6643/06	6	145	1,580	850	1,910
■ SH2/6643/08	8	205	1,630	940	2,160
■ SH2/6643/10	10	238	1,630	940	2,400
■ SH2/6643/15	15	358	1,900	1,540	2,340

801905018

801905019

801905020

801905021

801905022

801905023



DECANTERS / SAND TRAPS

Model	Weight (kg)	Height (mm)	Diameter (mm)	Volume (L)
■ DB2/1000	33	1,360	1,160	1,000
■ DB2/1500	52	1,220	1,550	1,500
■ DB2/2000	62	1,500	1,550	2,000
■ DB2/3000	99	1,500	1,930	3,000
■ DB2/4000	129	1,840	1,930	4,000
■ DB2/5000	149	2,180	1,930	5,000
■ DB2/6000	180	1,880	2,400	6,000
■ DB2/8000	340	2,450	2,400	8,000
■ DB2/10000	350	2,910	2,400	10,000

801905009

801905010

801905011

801905012

801905013

801905014

801905015

801905016

801905017

SAMPLE CONTAINER

- The sample container is an equipment that allows to pick up samples from an effluent in the inlet and/or outlet of a purification system.
- This container allows to analyse the contamination level of the effluents and control the output of the purification kit.
- Made of polyethylene, anti-rust

808313002

Sample container





DESCRIPTION

CODE

The extractors-decontaminators are suitable for the suction and total cleaning of the bottoms, both liquid and solid impurities, in all types of aerial and buried tanks. They point up because of the quick separation of the suctioned liquid by pressurization and decanting, returning to the same tank the clean liquid and the polluted liquid on the authorized tanks.

It is also designed for emptying the own consumption tanks that could have water, mud or diesel, as well as the vehicle tanks with a wrong fuel or with more litres than those desired.

LG-84 · ELECTRIC EXTRACTOR-DECONTAMINATOR

Diesel

48000

Technical data:

- Motor: 0.25 kW with IP-55 protection
- Voltage: 230 VAC
- Consumption: 1.2-2 A
- Pressure / Depression: +0.9/-0.7 bar
- Flow: 35 l/min
- 3,000 rpm
- Maximum vessel capacity: 60 litres
- Maximum admissible capacity: 50 litres
- Suitable for diesel

Equipped with:

Vacuum gauge -1 +3 bar · FF3/4" ball valve · level buoy (overflow security) · 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 · stainless grid · breakaway valve · chassis with a handle and back wheels

"IT IS NOT SUITABLE FOR PETROL OR EXPLOSIVE LIQUIDS OR IN ENVIRONMENTS WHERE IT IS REQUIRED AN EXPLOSIONPROOF KIT.

LGN-97 · PNEUMATIC EXTRACTOR-DECONTAMINATOR

Diesel

Petrol

48030



- It allows a tank retention in vacuum to suction 50 litres, with a suction capacity of 6 m
- In its bottom there is a drain valve (ball valve) to empty and analyse the liquid.
- Extractor-decontaminator prepared with 2 positions of probe extraction
- It allows the emptying / pressure conservation in its inner to suction/empty where there is no air inlet.
- It is suitable for diesel and petrol.

Technical data:

- Extraction system based on the depression creation in the tank inner (Ventury system) (-0.8 bar)
- Emptying system at pressure (+0.9 bar)
- Sealed security valve, tare at +1.5 bar
- Sealed valve that regulates the air inlet, tare at 0.9 bar
- It has an air hose connection.
- Minimum pressure: 6 bar
- Required air pressure of 200 l/min at 6 bar or suctioned flow of 400 l/min

Equipped with:

Vacuum gauge -1 +3 bar · level indicator · Tank for the extracted fuel · Transparent vessel 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 a handle and back wheels

The LGN-97 pneumatic Extractor-decontaminator complies with the rules of kits at pressure, "Real Decreto" 769/1999 of the Directive 97/23/EC, and it is suitable for the handling, suction and delivery of the hydrocarbon, petrol, unleaded petrol, biodiesel, oil. It can operate in Hazardous Atmosphere Zones; 0, 1 and 2 with certificate for the EC regulations.

Optional:

- Water paste · water level indicator
- 5.5 m transparent hose + 1 m metallic galvanised lance
- 2 x Ø12x9 mm and 8x6 mm tank extraction tube of 1.5 m
- 0.75 m M3/4" complete drain probe
- Air output tube adapter (service station)

807613001
480006002
480006001
480006003
480105010

DESCRIPTION

CODE

LGN-200 - PNEUMATIC MULTI-USE EXTRACTOR-DECONTAMINATOR

48020

- It is designed for the fuel extraction, storage, filtering and also its supply, specially suitable for "RENT A CAR".
- First it suctions the vehicle fuel, then it is filtered and it can be supplied from the same kit with the supply nozzle and the electronic meter.
- The liquid transfer is controlled through the electronic meter or through the lower valve but without any metering of it.
- It allows the vacuum / pressure conservation in its inner to extract/empty where there is not any air inlet.

Technical data:

- Extraction system based on the depression creation in the tank inner (Ventury system) (-0.8 bar)
- Emptying system at pressure (0.45 bar)
- Sealed security valve, tare at 0.5 bar
- Sealed valve that regulates the air inlet, tare at 0.9 bar
- Air hose connection
- Water-repellent filtering element of 5 µm (micron)
- Minimum pressure: 6 bar
- Required air pressure of 200 l/min at 6 bar or suctioned flow of 400 l/min

Equipped with:

Vacuum gauge -1 +3 bar · Tank for the extracted fuel of 200-litre capacity · Transparent vessel of 10-litre capacity · Lower valve for the total empty of the tank · Level indicator · MGE-40 electronic gear meter · PA-60 automatic petrol nozzle · 2 Ø8x16 mm tank extraction tube of 1.5 m · 2 Ø12x9 mm tank extraction tube of 1.5 m · 4 m Ø20 mm transparent hose · 5.5 m transparent hose with 1/2" metallic galvanised lance · chassis with a handle and wheels

LGN-200



■ **Optional:**

- Water paste · water level indicator
- 5.5 m transparent hose + 1 m metallic galvanised lance
- 2 x Ø12x9 mm and 8x6 mm tank extraction tube of 1.5 m
- 0.75 m M3/4" complete drain probe
- Air output tube adapter (service station)

807613001
480006002
480006001
480006003
480105010



USE GUIDE



Switch it on the air inlet until getting the exact pressure.



Close the air valve and place the extractor-decontaminator close to the container. Take down the probe until its bottom.



It suctions the impurities of the tank bottom.

DIESEL PUMPS

IRON-50 230 VAC

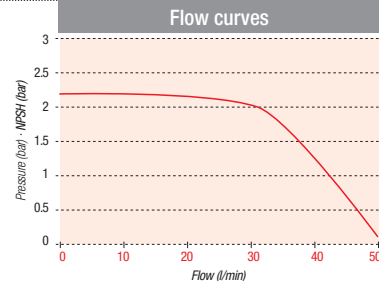


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Equivalence Box

	FREE	PT-60	PSF-040	PA-60
IRON-50 230 VAC	50 l/min 1.5 A	45 l/min 1.6 A	46 l/min 1.6 A	45 l/min 1.6 A

CONNECTION: 1" - SUCTION: 2.7 m 1 1/4" - DELIVERY: 4 m 1"



IRON-50 12 or 24 VDC

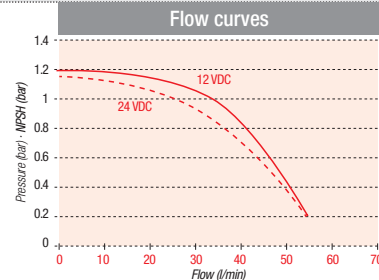


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Equivalence box

	LIBRE	PT-60	PSF-040	PA-60
IRON-50 12 VDC	53 l/min 16 A	43 l/min 18 A	44 l/min 18 A	34 l/min 19 A
S-50 12 VDC	42 l/min 17 A	34 l/min 18 A	36 l/min 18 A	28 l/min 19 A
IRON-50 24 VDC	53 l/min 7.9 A	43 l/min 8.5 A	44 l/min 8.9 A	33 l/min 9.5 A
S-50 24 VDC	42 l/min 8.5 A	34 l/min 8.9 A	36 l/min 9.1 A	28 l/min 9.5 A

CONNECTION: 1" - SUCTION: 2.7 m 1 1/4" - DELIVERY: 4 m 1"



IRON-75 230 VAC

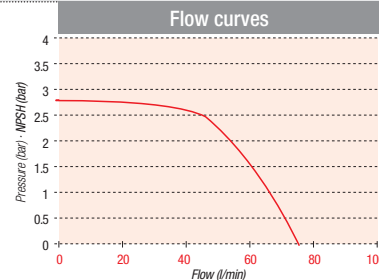


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Equivalence box

	LIBRE	PT-60	PSF-040	PA-60
IRON-75 230 VAC	80 l/min 1.9 A	72 l/min 2.2 A	74 l/min 2.1 A	72 l/min 2.2 A
S-75 230 VAC	-	69 l/min 2.4 A	71 l/min 2.3 A	69 l/min 2.4 A

CONNECTION: 1" - SUCTION: 2.7 m 1 1/4" - DELIVERY: 4 m 1"



AG-90 12 or 24 VDC

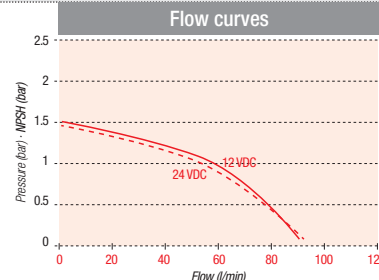


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Equivalence box

	LIBRE	PSF-040	PA-80	PA-120
AG-90 12 VDC	90 l/min 38 A	75 l/min 42 A	70 l/min 44 A	76 l/min 42 A
SAG-90 12 VDC	65 l/min 45 A	58 l/min 48 A	56 l/min 48 A	60 l/min 46 A
AG-90 24 VDC	92 l/min 30 A	78 l/min 32 A	72 l/min 33 A	80 l/min 31 A
SAG-90 24 VDC	68 l/min 34 A	60 l/min 35 A	57 l/min 36 A	62 l/min 35 A

CONNECTION: 1" - SUCTION: 2.7 m 1 1/4" - DELIVERY: 4 m 1"



AG-100 0.74 kW 230 VAC

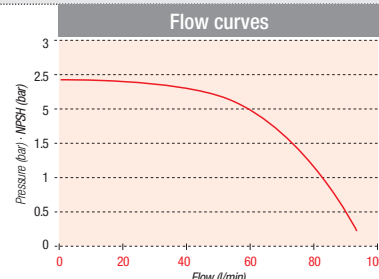


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Equivalence box

	LIBRE	PSF-040	PA-60	PA-80
AG-100 0.74 kW	93 l/min 3.9 A	85 l/min 5.1 A	80 l/min 4.5 A	85 l/min 4.8 A
	88 l/min 4.1 A			

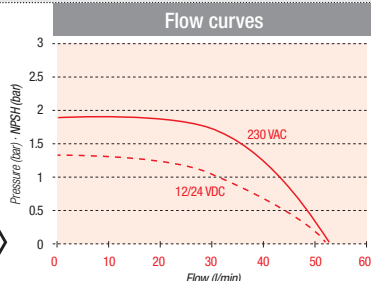
CONNECTION: 1" - SUCTION: 2.7 m 1 1/4" - DELIVERY: 4 m 1"



IRON-50 Ex 230 VAC
IRON-50 Ex 12 or 24 VDC



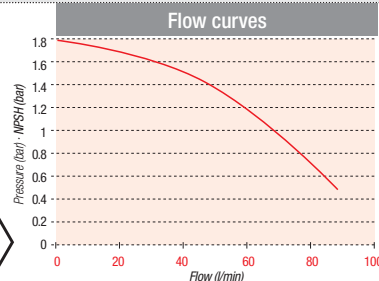
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AG-800 230 VAC



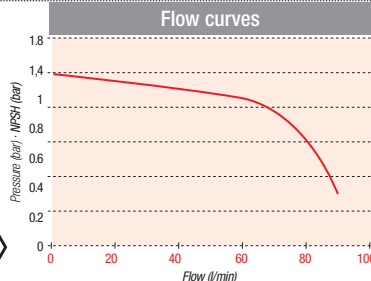
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AG-900 12 or 24 VDC



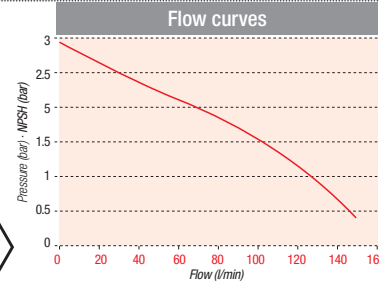
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BAG-800 230-400 VAC



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PETROL PUMPS

AdBlue/DEF

DESCRIPTION

CODE

SUPPLY KITS FOR ADBLUE/DEF



These kits are specially designed for the AdBlue/DEF supply to vehicles from a 200-litre drum or a tank of 1,000 litres. Because of its base, this kit is easy to use and place. It can be placed in any type of tank or hang it on the wall.

Composed of:

- BD-30 self-priming diaphragm pump · Flow: 30 l/min
- Metallic support with nozzle hanger
- 1.5 m transparent AdBlue/DEF suction hose
- 4 m Ø3/4" delivery AdBlue/DEF hose
- Universal zinc-plated hook set (adaptable to all type of tanks)
- Minimum operation temperature of the kit: -10 °C

■ Available accessories:

- MGE-40BLUE · Electronic meter · Accuracy: ±0.5 %
- PT-60 · Manual nozzle special for AdBlue/DEF
- PA-60U · Automatic nozzle special for AdBlue/DEF
- Suction Kits for 200-litre drums and 1,000-litre tanks (Refer to Kit 1, 2 & 3)

	Pump	Nozzle	Suction kits		
■ AD-200M Kit		Manual PT-60	200-litre drum	1	19071
■ AD-200A Kit		Automatic PA-60U	200-litre drum	1	19091
■ AD-1000M Kit		Manual PT-60	1,000-litre tank	2	19081
■ AD-1000A Kit		Automatic PA-60U	1,000-litre tank	2	19101
■ AD-CDSM Kit		Manual PT-60	1,000 litres - CDS	3	19121
■ AD-CDSA Kit		Automatic PA-60U	1,000 litres - CDS	3	19111
■ SADE-200M Kit		Manual PT-60	200-litre drum	1	19011
■ SADE-200A Kit		Automatic PA-60U	200-litre drum	1	19031
■ SADE-1000M Kit		Manual PT-60	1,000-litre tank	2	19021
■ SADE-1000A Kit		Automatic PA-60U	1,000-litre tank	2	19041
■ SADE-CDSM Kit		Manual PT-60	1,000 litres - CDS	3	19061
■ SADE-CDSA Kit		Automatic PA-60U	1,000 litres - CDS	3	19051

* Ask for available kits at 12 VDC

KIT 1

SUCTION KIT FOR DE 200-LITRE DRUMS



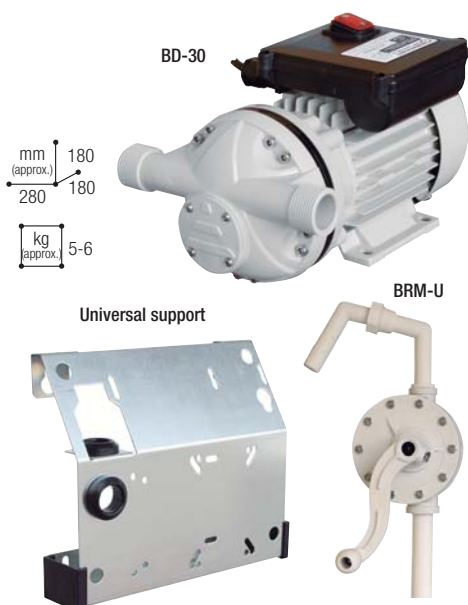
KIT 2

SUCTION KIT FOR DE 1,000-LITRE TANKS



KIT 3

SUCTION KIT FOR DE 1,000-LITRE TANKS (CDS)



1.1 PUMPS

BD-30 230 VAC · SELF-PRIMING DIAPHRAGM PUMP
BD-30 12 VDC · SELF-PRIMING DIAPHRAGM PUMP

02230

02240

- Flow: 30 l/min
- Motor: 0.30 kW 230 VAC or 12 VDC · 2900 rpm
- Operation: S2 20'
- IP-55 Protection · ON/OFF switch
- Inlet/outlet: F1"
- Min/max. Temperature: -5 °C / +40 °C
- Pressure: 1.6 bar
- Maximum suction height: 2 m
- 2 m electrical cable with approved plug (230 VAC)

UNIVERSAL SUPPORT

80040259

BRM-U · ROTARY PLASTIC PUMP

04120

DESCRIPTION

CODE

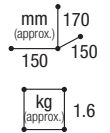
1.2 MECHANICAL METER

MG-80 · MECHANICAL METER

32000-CF00000

- Fireproof measuring chamber with oscillating disc
- Flow: 10-90 l/min · Accuracy: ±1 %
- Partial indicator of 3 digits and totalizer of 6 digits
- Maximum operation pressure: 3.5 bar
- Maximum temperature: 60 °C · Minimum temperature: -10 °C
- Polyamide + Fibreglass housing
- Connection 1" GAS (BSP) with 3 inlets and 2 outlets
- It is supplied with 2 additional Male/Female 1" GAS (BSP) adapters (other threads under order).
- The 1" GAS (BSP) red adapter has built in the filter-sieve of 350 µm (micron).
- For private use, not suitable for fiscal operations

MG-80



1.3 ELECTRONIC GEAR METERS WITH PVC BODY

- PVC body
- 5-digit display with TOTAL and PARTIAL of the supplied litres
- Maximum pressure: 5 bar
- Fluid viscosity: 1-200 cSt
- Feeding by button battery of long duration
- Low battery display
- It has calibration parameters and stored litre totalizer in a PERMANENT MEMORY.
- Min./max. temperature: -10 °C / +50 °C - Max. humidity: 95 HR

MGE-40BLUE · 4-40 l/min · F1" · Accuracy ±0.5 %

32690-CF00000

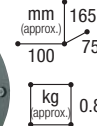
MGE-110BLUE · 10-110 l/min · F1" · Accuracy ±0.8 %

32640-CF00000

MGE-400BLUE · 20-400 l/min · F2" · Accuracy ±0.8 %

32610-CF00000

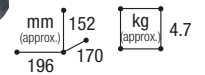
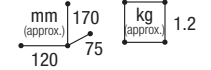
MGE-40BLUE



MGE-110BLUE



MGE-400BLUE



1.4 PULSERS

MGI-40BLUE · 4-40 l/min · F1" · Accuracy ±0.5 %

32700

Two channels: 100 pulses per litre and channel

MGI-110BLUE · 10-110 l/min · F1" · Accuracy ±0.8 %

32630

Two channels: 41 pulses per litre and channel

MGI-400BLUE · 20-400 l/min · F2" · Accuracy ±0.8 %

32620

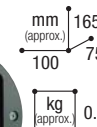
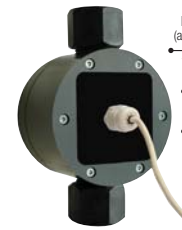
Two channels: 5.5 pulses per litre and channel

MGE/I-110BLUE · 5-110 l/min · F1" · Accuracy ±0.8 %

32641

In the back cover there are the pulser sensors of two channels giving 41 pulses per litre and channel.

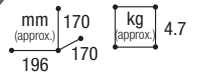
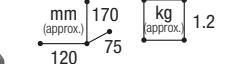
MGI-40BLUE



MGI-110BLUE



MGI-400 BLUE



MGE/I-110 BLUE



1.5 NOZZLES

PT-60 · MANUAL NOZZLE

60 litres

47010

- Flow: 60 l/min
- Connection F3/4"
- Made of polyamide 6 -15% Fibreglass
- Max. pressure: 2 kg/cm²

PA-60U · AUTOMATIC NOZZLE

60 litres

47291

- Flow: 60 l/min
- Connection F3/4"
- Trigger fixation

PT-60



PA-60U



COMPACT BLUE BD-30E



mm (approx.) 405 460
kg (approx.) 18

TOTEM BLUE BD-30E



mm (approx.) 1,500 400
kg (approx.) 49

COMPACT BLUE BD-30K



mm (approx.) 405 460
kg (approx.) 23

DESCRIPTION

COMPACT and TOTEM supply kits for the AdBlue/DEF supply and measurement

- Flow: **30 l/min**
- BD-30 self-priming diaphragm pump (page 74)
- MGI-40Blue electronic gear meter · Accuracy $\pm 0.5\%$ (page 75)
- 4 m $\varnothing 19$ mm delivery hose special for AdBlue/DEF
- PA-60U automatic nozzle
- Nozzle hanger with automatic switch for the pump starting and stop

CODE

COMPACT BLUE BD-30E 230 VAC

19670-CF00000

- Electronic calibration
- 5-digit display with total and partial of the supplied litres

COMPACT BLUE BD-30E/I 230 VAC

19671-CF00000

- Supply kit with display and cable output to give pulses to any device or external control display.
- It has two communication channels giving 100 pulses per litre and channel.

TOTEM BLUE BD-30E 230 VAC

19700-CF00000

- Electronic calibration
- 5-digit display with total and partial of the supplied litres

TOTEM BLUE BD-30EHI 230 VAC WITH LITRE PRESET

19701-CF00000

- Electronic calibration
- 5-digit display with total and partial of the supplied litres
- Litre preset and automatic pump stop
- *Refer to features of the MGE-110HI electronic meter (page 34).

OPTIONAL FUNCTIONS

► RESTRICTED USE WITH IDENTIFICATION KEY:

- Pack of 10 identification keys + configuration key
- Pack of 20 identification keys + configuration key

326004004
326004005

► PC COMMUNICATION OF THE LITRE TOTAL BY KEY:

- Communication kit via MGE-110HI DIESELPLUS (Converter + 1-year DIESELPLUS licence)
- RENEWAL: - 1-year MGE-110 DIESELPLUS licence

257400000
257400001

2.1 SUPPLY KITS WITH OWN CONSUMPTION CONTROLLER

Supply kits with GK-7 or GK-7Plus own consumption controller in order to be connected to a computer and manage a restricted use, the control of the supplies, users and/or vehicles.

*Refer to the communication kits and software in page 41-46.

COMPACT BLUE BD-30K 230 VAC · 60 users · 200 services in memory COMPACT BLUE BD-30K 230 VAC · 130 users · 500 services in memory

19680-CF00000
19680-CF00001

COMPACT BLUE BD-30Plus 230 VAC · 60 users · 200 services in memory COMPACT BLUE BD-30Plus 230 VAC · 130 users · 500 services in memory

19681-CF00000
19681-CF00001

TOTEM BLUE BD-30K 230 VAC · 60 users · 200 services in memory TOTEM BLUE BD-30K 230 VAC · 130 users · 500 services in memory

19710-CF00000
19710-CF00001

TOTEM BLUE BD-30Plus 230 VAC · users · 200 services in memory TOTEM BLUE BD-30Plus 230 VAC · 130 users · 500 services in memory

19711-CF00000
19711-CF00001

Optional for the COMPACT model

- Hexagonal pedestal base (ask for it)

-

DESCRIPTION

CODE

3.1 BLUE KITS

3,000-LITRE HORIZONTAL BLUE-KIT

808401021

5,000-LITRE HORIZONTAL BLUE-KIT

808401022

Complete Kits to store and supply AdBlue/DEF.

Composed of:

TANK

- Tank of 3,000 or 5,000 litres made of high density polythene and high molecular weight. These tanks are moulded in one piece; they are perfectly watertight without glues or weldings;
- Special thickness for thermal isolation;
- High strong and excellent collision resistance;
- Its inner surface is smooth, avoids the pores and makes easier its cleaning;
- Translucent wall (according to the model);
- Metallic support for the supply kit;

- Metallic inserts to be fixed to support sheet directly to the tank
- It is included the wood pallet for its transport and stable base.

INCLUDED ACCESSORIES:

- Suction tube;
- Level clock;
- 2" charging hole;
- Manhole;
- Air inlet

Optional:

The Kit can be supplied with any available supply kit for AdBlue/DEF.

***Refer to more AdBlue/DEF tanks in page 68.**

3.2 BLUETANK

BLUETANK SLIM-4000 · 4,000-litre capacity

38927

- Resistant to corrosion and UV radiation
- The door opened to the right or the left.
- Lockable housing protects the dispensing equipment against unauthorized access.
- The tank can be easily transported by a forklift truck.
- Raised roof enables easy access to the tank inner.

*Warranty of 10 years

Composed of:

- 2" filling line (stainless steel)
- Self-suction pipe with 1" suction line with filter and check valve
- Support for keeping the nozzle in its correct position
- Lockable door for the supply kit and inspection lid in the tank top.
- 8" inspection hatch on the tank inner



mm
(approx)
2340
3,900 1,200

3.3 BLUEBOX

BLUEBOX-EF 15 · 1,500 litres · 2,550x840x1,970 mm

BLUEBOX-EF 20 · 2,300 litres · 3,000x840x1,970 mm

BLUEBOX-EF 20S · 2,300 litres · 2,800x760x2,170 mm

BLUEBOX-EF 30 · 3,000 litres · 3,000x1,120x1,970 mm

BLUEBOX-EF 40 · 4,000 litres · 3,100x1,120x2,320 mm

BLUEBOX-EF 50 · 5,000 litres · 3,000x1,820x2,170 mm

BLUEBOX-EF 50S · 5,000 litres · 3,100x1,490x2,450 mm

BLUEBOX-EF 75 · 7,500 litres · 4,245x1,490x2,450 mm

BLUEBOX-EF 100 · 9,300 litres · 3,100x2,550x2,670 mm

BLUEBOX-EF 100S · 10,000 litres · 5,300x1,820x2,170 mm

BLUEBOX-EF 100SS · 10,000 litres · 5,550x1,490x2,450 mm

BLUEBOX-EF 200 · 18,600 litres · 5,600x2,550x2,670 mm

BLUEBOX-EF 300 · 27,900 litres · 8,050x2,550x2,670 mm

Composed of:

- High density polythene tank with high molecular weight. These tanks are moulded in just one piece perfectly watertight without glues or weldings.
- Submersible pump special for AdBlue/DEF · 0.75 kW · 70 l/min

- MGI-40Blue pulser · Accuracy $\pm 0.5\%$ · 5-digit digital display
- 50 mm insulating panel
- Temperature control
- Electroventilation
- 1 1/2" charging hole

Optional:

- GK-7 own consumption controller with PC communication
- GENIUS-INOX level indicator with the option of GPRS communication to internet
- Hose-reel
- "TODO" charging connector



Supply kit not included

Size and weight (approx.)

· 3,000 BLUE-KIT

2,200x1,500x1,900 mm · 230 kg

· 5,000 BLUE-KIT

2,300x1,900x2,030 mm · 375 kg



STANDARD



OPTIONAL: GK-7 controller



*Corporate image customisation

*Ask for other available models

4 GRG · TRUCKTANK BLUE



DESCRIPTION

CODE

TRUCKTANK BLUE FT200

38423

TRUCKTANK BLUE FT420

38424

- Neutral white tank with baffle
- Lockable cover
- Suction filter with mesh filter in order to avoid the impurity suction

*TANK WARRANTY: 5 years

Manufactured according to ISO 9001:2008 (cert. no. FM 57348)

Highest quality components engineered for long term use with AdBlue/DEF

5 HOSE-REELS



MF3/4" HOSE-REEL FOR ADBLUE/DEF with 10 m Ø19 mm HOSE

807303050

MF3/4" HOSE-REEL FOR ADBLUE/DEF with 15 m Ø19 mm HOSE

807303051

- Stainless steel connections
- 90° stainless steel swivel
- Viton joints
- Diameter: MF3/4"

6 GENIUS-INOX · LEVEL INDICATOR



GENIUS-INOX · 230 VAC · LEVEL INDICATOR

25732

APPLICATION

- GENIUS is a level monitor in atmospheric tanks.
- The level measurement is made measuring the static pressure of the liquid height through a tube into the tank.
- It allows measuring the level in rectangular and cylindrical, horizontal or vertical tanks with a maximum height of 4 m.
- Level reading in height (m or inches) or volume (litres or gallons)
- It is suitable for AdBlue/DEF or phytosanitary products.

*Refer to the communication kits and software in page 50-52

mm (approx.) 160
185 60

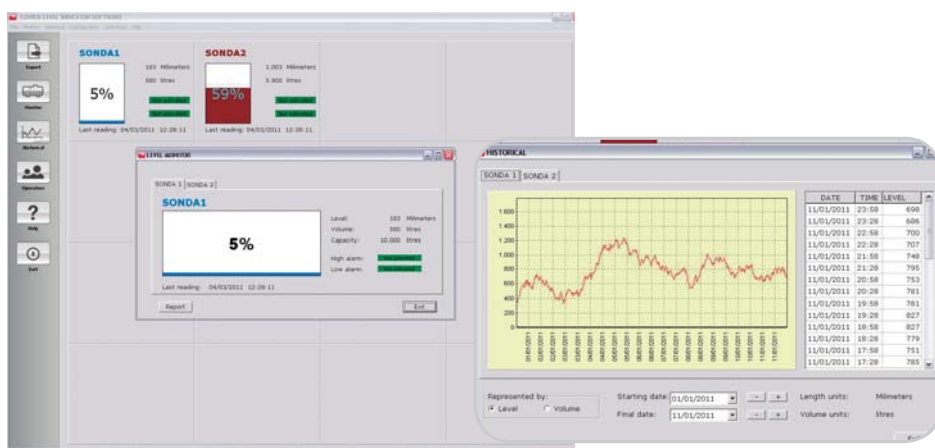
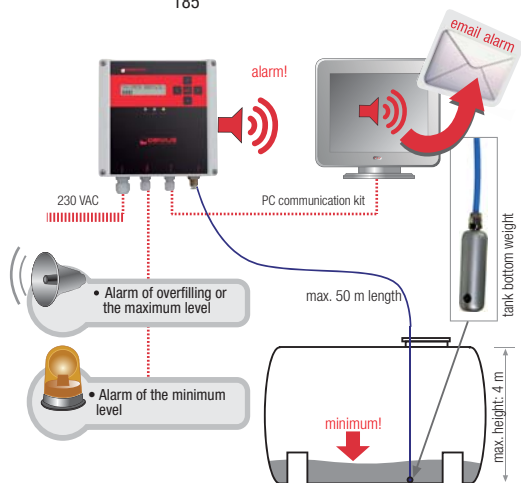
kg (approx.) 2.50

Optional:

- Communication kit via USB CABLE
- Communication kit via ETHERNET

257310000

257330000



LUBRICANT

25
l/min230
VAC0.37
kW

EA-88 (0.37 kW)

mm (approx.) 190
260 160

kg (approx.) 10

0.74
kW

EA-88 (0.74 kW)

mm (approx.) 200
290 190

kg (approx.) 13.2

Flow curves



*Note: Free outlet flow
The final flow is subject to the accessories and the installation conditions.

DESCRIPTION

CODE

25 l/min 230 VAC

Self-suction gear pumps suitable for the lubricant transfer.

They are suitable for its use in the agriculture, building, public works and industry.

EA-88 (0.37 kW) 230 VAC - 20-25 l/min

5-6
bar

03000

- It is suitable for lubricants of maximum 200 cSt viscosity.
- With recirculation bypass system
- Suction: 2.5 m · Delivery: 40 m
- Flow: 20-25 l/min (SAE-20/50 W at 25 °C)
- Motor: 0.37 kW 230 VAC 50 Hz single-phase · self-ventilated
- IP-55 protection
- With thermal protector
- Consumption: 2-4 A
- 1,500 rpm
- Bypass pressure: 5-6 bar
- Inlet/outlet: 1/2" GAS (BSP)
- ON/OFF switch
- 3 m 230 VAC connection cable with injected plug

EA-88 (0.74 kW) 230 VAC - 20-25 l/min

9-10
bar

03070

- It is suitable for lubricants of maximum 350 cSt viscosity
- With recirculation bypass system
- Suction: 2.5 m · Delivery: 40 m
- Flow: 20-25 l/min (SAE-20/50 W at 25 °C)
- Motor: 0.74 kW 230 VAC 50/60 Hz single-phase · self-ventilated
- IP-55 protection
- With thermal protector
- Consumption: 4-6 A
- 1,500 rpm
- Bypass pressure: 9-10 bar
- Inlet/outlet: 1/2" GAS (BSP)
- ON/OFF switch
- 3 m 230 VAC connection cable with injected plug

Optional:

- Pump support handle (page 100)



030003001

SEA-88 with MGE-20



SEA-88 (0.37 kW) - PUMP WITH MGE-40 ELECTRONIC GEAR METER
SEA-88 (0.74 kW) - PUMP WITH MGE-40 ELECTRONIC GEAR METER

31201
31202

EA-88 (0.37 kW) with pressure switch - 10 bar
EA-88 (0.74 kW) with pressure switch - 35 bar

10-35
bar03110
03080

In an industrial supply installation at long distance, it is advisable to equip the pump with a PRESSURE SWITCH, which allows the pump starting and stopping through the nozzle opening or closing.

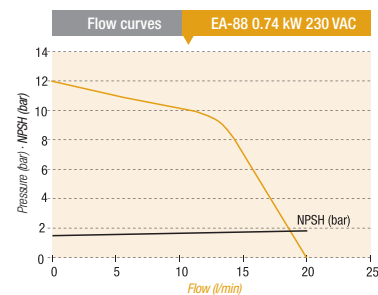
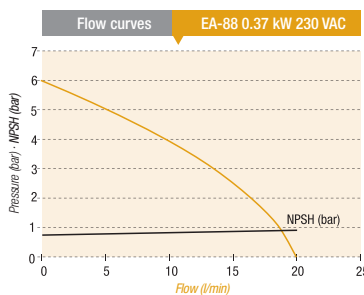
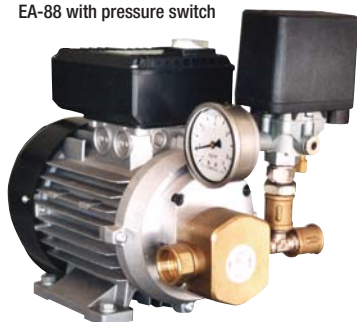
It has built in a check valve.

Optional:

- Pump support handle (page 100)
- Vacuum gauge (pump with pressure switch)

030003001
8035000020

EA-88 with pressure switch



DESCRIPTION

CODE

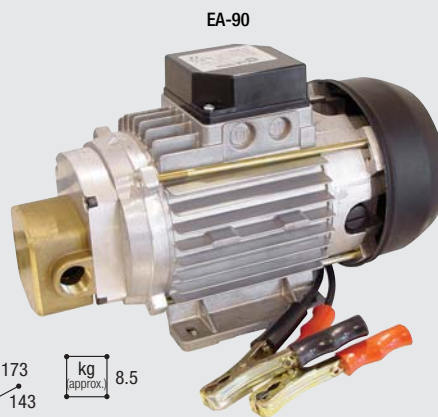
25 l/min 12 / 24 VDC

EA-90 (0.37 kW) 12 VDC · 20-25 l/min
EA-90 (0.37 kW) 24 VDC · 20-25 l/min

5-6 bar

03014
03090

- It is suitable for lubricant transfer with average/low density
- With recirculation bypass system
- Suction: 2.5 m · Delivery: 40 m
- Flow: 20-25 l/min (SAE-20/50 W at 25 °C)
- Motor: 0.37 kW self-ventilated 12 or 24 VDC
- S1 continuous duty
- IP-55 protection
- Consumption: 35-55 A (12 VDC) and 20-32 A (24 VDC)
- 1,500 rpm
- Bypass tare at 5-6 bar
- Inlet/outlet tube: 1/2" GAS (BSP)
- With clamps for 12 or 24 VDC battery connection with 2 m of cable



mm (approx.) 173
300 143
kg (approx.) 8.5

Flow curves
*Note: Free outlet flow
The final flow is subject to the accessories and the installation conditions.

25 l/min

12/24 VDC

0.37 kW

SEA-90 (0.40 kW) 12 VDC · PUMP WITH MGE-40 ELECTRONIC GEAR METER
SEA-90 (0.40 kW) 24 VDC · PUMP WITH MGE-40 ELECTRONIC GEAR METER

31470
31550

Optional:

- Pump support handle (page 100)



030003001

SEA-90



50-55 l/min 230 VAC

EA-65 (2.2 kW) 230 VAC · 50-55 l/min · SINGLE-PHASE
EA-65 (2.2 kW) 230/400 VAC · 50-55 l/min · TRIPHASE

6-8 bar

03040
03043

- It is suitable for lubricant transfer with average/low density
- With recirculation bypass system
- Suction: 2.5 m · Delivery: 40 m
- Flow: 50-55 l/min with SAE-10/30W
- Motor: 2.2 kW 230 VAC single-phase or 230/400 VAC triphase · self-ventilated
- IP-55 protection
- With thermal protector
- Consumption: 10-15 A (230 VAC) · 6-8 A (230/400 VAC)
- 1,400 rpm
- Pressure: 6-8 bar (adjustable through the bypass valve)
- Suction/delivery pump diameter: 1 1/4" GAS (BSP)



mm (approx.) 260
570 200
kg (approx.) 26,7

Flow curves
*Note: Free outlet flow
The final flow is subject to the accessories and the installation conditions.

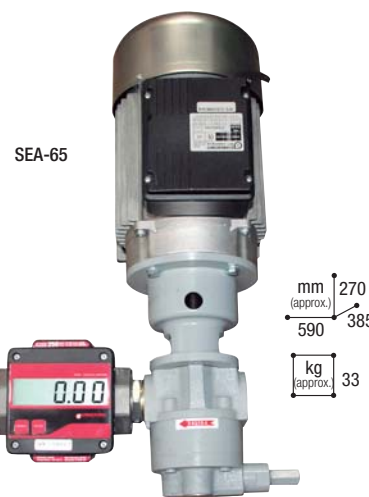
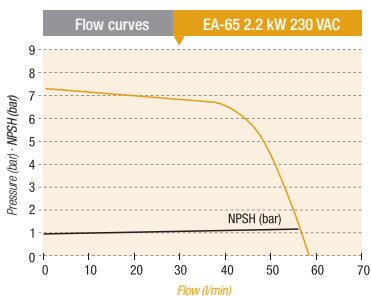
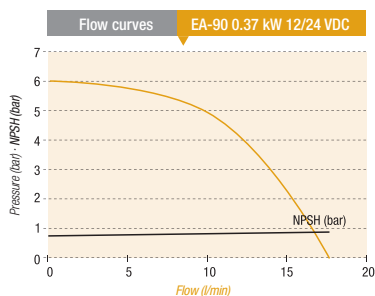
50-55 l/min

230 VAC

2,2 kW

SEA-65 230 VAC · PUMP WITH MGE-250 ELECTRONIC GEAR METER
SEA-65 230/400 VAC · PUMP WITH MGE-250 ELECTRONIC GEAR METER

31760
31761



mm (approx.) 270
590 385
kg (approx.) 33

DESCRIPTION

CODE

33-83 l/min 230 VAC



EA-30

EA-30 (1.49 kW) 230/400 VAC TRIPHASE · 33 l/min · 1"

11
bar

24130

- Maximum suction height: 3 m
- Flow: 33 l/min
- Motor: 1.49 kW 230/400 VAC Triphase · IP-55 protection
- Consumption: 5.3 / 3.1 A
- 1,500 rpm
- Max. pressure: 11 bar (adjustable through the bypass valve)
- Max. working temperature: 130 °C
- Suction/delivery pump diameter: 1" GAS (BSP)



EA-50

EA-50 (1.49 kW) 230/400 VAC TRIPHASE · 50 l/min · 1 1/4"

8
bar

24150

- Maximum suction height: 4 m
- Flow: 50 l/min
- Motor: 1.49 kW 230/400 VAC Triphase · IP-55 protection
- Consumption: 9.9 / 5.7 A
- 1,500 rpm
- Max. pressure: 8 bar (adjustable through the bypass valve)
- Max. working temperature: 180° C
- Suction/delivery pump diameter: 1 1/4" GAS (BSP)



EA-80

EA-80 (2.98 kW) 230/400 VAC TRIPHASE · 83 l/min · 1 1/4"

10
bar

24160

- Maximum suction height: 4 m
- Flow: 83 l/min
- Motor: 2.98 kW 230/400 VAC Triphase · IP-55 protection
- 1,500 rpm
- Max. pressure: 10 bar
- Max. working temperature: 180 °C
- Suction/delivery pump diameter: 1 1/4" GAS (BSP)

5
bar

BEA-100

- Maximum suction height: 3-4 m
- IP-55 protection
- Consumption: 31 A
- 1,500 rpm
- Max. pressure: 5 bar (adjustable through the bypass valve)
- Max. working temperature: 180 °C

BEA-100 230/400 VAC · 115 l/min · 1 1/4"

24170



BEA-150

BEA-150 400/660 VAC · 175 l/min · 1 1/2"

24180



BEA-1000

BEA-330 400/660 VAC · 330 l/min

24191

BEA-1000 400/660 VAC · 1000 l/min

24200

Ask for other flows.

DESCRIPTION

CODE

YORK BASE FILTER

- 1/2" York base filter
- 3/4" York base filter
- 1" York base filter
- 1 1/4" York base filter
- 1 1/2" York base filter
- 2" York base filter

- 802700004
- 802700005
- 802700003
- 802700002
- 802700001
- 802700006

"Y" BRASS FILTERS

- 1/2" brass filter
- 3/4" brass filter
- 1" brass filter
- 1 1/4" brass filter

- 802701006
- 802701004
- 802701003
- 802701002

FGR-25 - HEATER FILTER

66080

Filter made of injected aluminium alloy for lubricants, with inner electric resistance of 230 VAC 300 W, with adjustable thermostat from 20 to 90 °C, in case there is a product prewarming. It is easy to install and its maintenance is simple.

- Regenerating filtering stainless steel cartridge
- Flow: 82 l/min · Filtration range: 300 µm (micron)
- Sealing with NB 100/70 DIN3535 Nitrile rubber joints
- Inlet / outlet connection: F1"

FUP-1 FF1" FILTER with thick mesh (POLYAMIDE + FIBREGLASS)

66032

York base filter



"Y" brass filter



FGR-25



FUP-1 filter



MANUAL PUMPS

BP-5 - MANUAL LEVER PUMP

04010

Manual lever pump for transferring diesel, all type of lubricants and other non-corrosive fluids from drums of 50 to 200 litres.

Technical Data:

- The pump body is made of aluminium as well as the discharging pipe.
- 880 mm metallic suction telescopic tube made of aluminium
- 2" connection adaptable to metallic drums of 50, 100 and 200 litres
- Nitrile or Viton joints
- Transfer capacity: 0.5 litres x piston-stroke (litres per lever stroke)

BMP-1 - MANUAL DOUBLE ACTION PISTON PUMP

04020

The manual piston pump of double action is suitable for diesel, oil, fuel, alcohol, printing solvents and petrol.

It is supplied with a hole to hang the nozzle, the hose and the accessories so as to prevent the dirt and dust entry in the nozzle.

Technical Data:

- Capacity: 1 litre per stroke
- Inlet: 1" (NPT)
- Outlet: 3/4" (NPT)
- 2.5 m Ø3/4" petrol hose
- Drum plug: adjustable at 2"
- Suction tube: Ø33.5 mm x 1 m
- Aluminium body
- Stainless steel inlet
- Heavy-duty steel handle
- Self-lubricating sealing

BRM-88 - ROTARY ALUMINIUM PUMP

04030

- Self-suction rotary pump for a continuous transfer of lubricants and fuels
- It is adaptable to drums from 50 to 200 litres.
- It has built in an M2" adapter adjustable to height for the drum fixation.

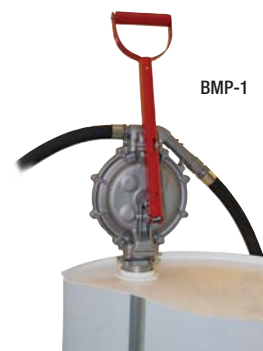
Technical Data:

- Type: rotary blade
- Capacity: 20 litres x 70 rounds
- Suction tube: Ø32 mm
- Discharging pipe: Ø25 mm
- Material:
 - body: tempered aluminium alloy
 - handle: aluminium die casting

BP-5



BMP-1



BRM-88





DESCRIPTION

Electric self-suction kits special for the lubricant transfer. These kits are easy to install in all type of tanks or wall-fixed, allowing the quick drum change.

CODE

EA-88 (0.37 or 0.74 kW) ELECTRIC KITS FOR 200-LITRE DRUM

Equipped with:

- EA-88 0.37 or 0.74 kW 230 VAC self-suction gear pump
- 4 m R1 Ø1/2" delivery hose with adapters in both ends
- 1 m Ø3/4" transparent suction hose with valve and York filter and bun adapter
- PG-40 manual nozzle for the lubricant supply or PMGE-40 electronic nozzle-meter for the lubricant supply and measure with 60° rigid outlet with non-drip valve
- 2 universal hook set to hang the nozzle and the hose

- KDE-200 0.37 kW without meter
- KDE-200E 0.37 kW with meter
- KDE-200 0.74 kW without meter
- KDE-200E 0.74 kW with meter

20620
20630
22010
20650



EA-88 0.74 kW ELECTRIC KITS FOR 200-LITRE DRUM

Equipped with:

- EA-88 0.74 kW 230 VAC self-suction gear pump
- 4 m R1 Ø1/2" delivery hose with adapters in both ends
- 3/4" metallic suction tube kit · height 900 mm · with York filter built in and bung adapter
- PG-40 manual nozzle for the lubricant supply or PMGE-40 electronic nozzle-meter for the lubricant supply and measure with 60° rigid outlet with non-drip valve

- KEB1-200 without meter
- KEB1-200E with meter

20330
20340



EA-88 0.74 kW ELECTRIC KITS WITH HOSE-REEL FOR 200-LITRE DRUM

Equipped with:

- EA-88 0.74 kW 230 VAC self-suction gear pump
- 10 m R1 Ø1/2" delivery hose with adapters in both ends
- 3/4" metallic suction tube kit · height 900 mm · with York filter built in and bung adapter
- PG-40 manual nozzle for the lubricant supply or PMGE-40 electronic nozzle-meter for the lubricant supply and measure with 60° rigid outlet with non-drip valve
- Open hose-reel

- KEBE-200 without meter
- KEBE-200E with meter

20350
20360

■ Common accessories for all the kits:

- Universal zinc-plated hook set (page 100)
- Pump support handle (page 100)
- 4" F2" adapter plug for 1,000-litre tanks (page 98)
- DP-1000LX · Polythene tank of 1,000-litre capacity (page 98)
- CE-200 · 185-kg drum trolley for hose-reel (page 99)
- Universal support (page 60)

80040409
030003001
805204004
37030
68630
800404259

DESCRIPTION

CODE

ELECTRIC DISPENSER KIT FOR 1,000-LITRE TANK**Lower suction****Equipped with:**

- EA-88 0.37 or 0.74 kW 230 VAC self-suction gear pump
- 6 m R1 Ø1/2" delivery hose with adapters in both ends
- PG-40 manual nozzle for the lubricant supply or PMGE-40 electronic nozzle-meter for the lubricant supply and measure with 60° rigid outlet with non-drip valve
- Universal support with nozzle hanger
- TAC - Aluminium adapter plug

- KDE-1000 INF. 0.37 kW without meter
- KDE-1000E INF. 0.37 kW with meter
- KDE-1000 INF. 0.74 kW without meter
- KDE-1000E INF. 0.74 kW with meter

20641
20291
22021
20661

Direct top suction

- 2" bung adapter and adapter plug for 1,000-litre tanks
- 3/4" metallic suction tube kit - height 1 m with filter built in

- KDE-1000 SUP. 0.37 kW without meter
- KDE-1000E SUP. 0.37 kW with meter
- KDE-1000 SUP. 0.74 kW without meter
- KDE-1000E SUP. 0.74 kW with meter

20640
20290
22020
20660

DAE-1000 - ELECTRIC DISPENSER KIT FOR 1,000-LITRE TANK

12690

Equipped with:

- EA-88 0.74 kW 230 VAC self-suction gear pump
- 10 m Ø1/2" R1 delivery hose
- 3/4" metallic suction tube kit, height 1m with York filter built in
- PMGE-40 complete electronic nozzle-meter
- Flexible tube with 90° rigid spout and non-drip end
- 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 (two threads)

KDE-1000



*Tank not included

TOP OUTLET



LOWER OUTLET



DAE-1000



*Tank not included

TOTEM · LUBRICANT DISPENSER**TOTEM-E LUBE**

27310

- Supply kit for lubricant
- Display with total and partial of supplied litres

TOTEM-K LUBE

27320

- Supply kit for lubricant with GK-7 own consumption controller
- *Refer to controller features in page 39-46.

TOTEM-E LUBE

TOTEM-K LUBE



mm (approx.) 1,500
340 400

kg (approx.) 47

GM-3 WALL



GM-3 DRUM



GM-5 WALL



GM-5 DRUM

DESCRIPTION

The pneumatic pumps are intended for the lubricant transfer. They have built in a bung adapter to fix the R2" and M64x4 drum threads.

The delivery capacity of the pump varies according to particular applications and/or combinations: air pressure, viscosity and fluid temperature, delivery hose and connection size and type of nozzle. The air pressure may vary between a minimum of 3.5 bar and a maximum of 10 bar.

Using the adequate accessories these pumps can be hung up on the wall or assembled on drums, tanks or mobile trolleys.

CODE

GM-3 - PNEUMATIC PUMP - RATIO 3:1

Pneumatic pumps specially suitable for the oil transfer with low-medium viscosity (SAE 15/50) and anti-freeze for short-medium distances (40-50 m).

- GM-3G WALL
- GM-3G DRUM
- GM-3 WALL
- GM-3 DRUM

12034
12054
12030
12050

GM-5 - PNEUMATIC PUMP - RATIO 5:1

Pneumatic pumps specially suitable for the oil transfer with medium-high viscosity (SAE 15/140) and anti-freeze for medium-long distances (150-200 m)

- GM-5 - WALL
- GM-5 - DRUM

12061
12081

Model	GM-3G WALL-DRUM	GM-3 WALL-DRUM	GM-5 WALL-DRUM
Flow at 6 bar (l/min)	25	30	28
Ratio	3:1	3:1	5:1
Pressure (bar)	6-8	6-8	6-8
Air consumption (l/min)	200	220	250
Air inlet connection	F1/4" G BSP	F1/4" G BSP	F1/4" G BSP
Oil outlet connection	M1/2" G BSP	M1/2" G BSP	M1/2" G BSP
Noise level (dB)	80	80	80
Tube diameter (mm)	42	42	42
Tube length (mm)	215 - 940	215 - 940	215-940
Weight (kg)	3.77 - 5.35	5.57 - 7.38	5.86 - 7.71

GC-10/200



GC-10/200 - HIGH FLOW PNEUMATIC PUMP

12140

- Flow: 50 l/min · Maximum working pressure: 80 bar

Suction tube diameter (mm)	Suction tube length (mm)	Pump length (mm)	Total height (mm)	Weight (kg)
40	700	210	910	16

■ **Optional:**

- RP-1 · Pressure regulator with MF1/4" valve (page 115)
- RLP-1 · Regulator-lubricator-purifier (page 115)
- Pneumatic pump wall support (page 100)
- 25-bar pressure relief kit
- 50-bar pressure relief kit
- 70-bar pressure relief kit

801902001
801902002
800404020
12950
12960
12970



IT MUST BE INSTALLED A REGULATOR-LUBRICATOR-PURIFIER WHEN INSTALLING THE PNEUMATIC PUMPS.

DESCRIPTION

CODE

PNEUMATIC PUMP KIT ON 200-LITRE DRUM

- **Pneumatic drum pump**
- RP-1 · Pressure regulator
- 3 m R1 Ø1/2" delivery hose with adapters in both ends
- PG-40 manual nozzle for the lubricant supply or PMGE-40 electronic nozzle-meter for the lubricant supply and measure with 60° rigid outlet with non-drip valve
- Bung adapter

- **KNB-200** GM-3 (SAE 15/50) without meter
- **KNB-200E** GM-3 (SAE 15/50) with meter
- **KNB-200** GM-5 (SAE 15/140) without meter
- **KNB-200E** GM-5 (SAE 15/140) with meter

- 20210
- 20220
- 20730
- 20740



PNEUMATIC WALL PUMP KITS FOR 200-LITRE DRUM

- **Pneumatic wall pump**
- Wall pump holder
- RP-1 · Pressure regulator
- 6 m R1 Ø1/2" delivery hose with adapters in both ends
- PG-40 manual nozzle for the lubricant supply or PMGE-40 electronic nozzle-meter for the lubricant supply and measure with 60° rigid outlet with non-drip valve
- Bung adapter
- 2 m hose (suction-pump union) (type R1, F3/4" adapters and 90° F3/4" elbow)
- 3/4" metallic suction tube, height 900 mm with filter built in

WITHOUT HOSE-REEL

- **KNP-200** GM-3 (SAE 15/50) without meter
- **KNP-200E** GM-3 (SAE 15/50) with meter
- **KNP-200** GM-5 (SAE 15/140) without meter
- **KNP-200E** GM-5 (SAE 15/140) with meter

- 20230
- 20240
- 20750
- 20760

WITH HOSE-REEL of 10 m hose

- **KNPE-200** GM-3 (SAE 15/50) without meter
- **KNPE-200E** GM-3 (SAE 15/50) with meter
- **KNPE-200** GM-5 (SAE 15/140) without meter
- **KNPE-200E** GM-5 (SAE 15/140) with meter

- 20250
- 20260
- 20790
- 20800



Wall oil dripping holder

KDN-1000 INF.



*Tank not included

KDN-1000 SUP.



*Tank not included

DAN-1000



*Tank not included

DAN-1000L INF.



*Tank not included

DAN-1000L SUP.



*Tank not included

DESCRIPTION

CODE

PNEUMATIC DISPENSER KITS FOR 1,000-LITRE TANK

Lower suction

Pneumatic dispenser kit with lower or top outlet for 1,000-litre polythene tanks.

Composed of:

- Pneumatic wall pump
- RP-1 · Pressure regulator
- 6 m R1 Ø1/2" delivery hose with the universal hook set
- PG-40 manual nozzle for the lubricant supply or PMGE-40 electronic nozzle-meter for the lubricant supply and measure with 60° rigid outlet with non-drip valve
- Universal support with nozzle hanger
- 0.70 m R1 high pressure hose
- TAC · Aluminium adapter plug

- **KDN-1000 INF.** GM-3 (SAE 15/50) without meter
- **KDN-1000E INF.** GM-3 (SAE 15/50) with meter
- **KDN-1000 INF.** GM-5 (SAE 15/140) without meter
- **KDN-1000E INF.** GM-5 (SAE 15/140) with meter

- 20670
- 20600
- 20950
- 20960

Direct top suction

- 2" bung adapter and adapter plug for 1,000-litre tanks
- 3/4" metallic suction tube kit · height 1 m with filter built in

- **KDN-1000 SUP.** GM-3 (SAE 15/50) without meter
- **KDN-1000E SUP.** GM-3 (SAE 15/50) with meter
- **KDN-1000 SUP.** GM-5 (SAE 15/140) without meter
- **KDN-1000E SUP.** GM-5 (SAE 15/140) with meter

- 20680
- 20690
- 20890
- 20910

DAN-1000 · PNEUMATIC DISPENSER KIT FOR 1,000-LITRE TANK

12680

Kit for the 1,000-litre polythene tanks.
For its installation it only needs an air inlet at 1 m of the kit.

Composed of:

- GM-3 pneumatic wall pump
- RP-1 · Pressure regulator
- Open hose-reel
- 10 m R1 Ø1/2" delivery hose
- R1 Ø1/2" delivery hose with adapters in both ends, hose-reel connection to the pump
- PMGE-40 electronic nozzle-meter for the lubricant supply and measure with flexible tube with 90° rigid outlet and non-drip end
- 3/4" metallic suction tube, height 1 m with filter built in
- Universal support

DAN-1000L LATERAL · PNEUMATIC DISPENSER KIT FOR 1,000-LITRE TANK

Kit with the same components as the above one but with the metallic support designed for being assembled in the lateral of the 1,000-litre tank.
This support is placed in the metallic protection of the tank without screws or additional fixations.

Lower suction

12683

Direct top suction

12682

■ **Optional:**

- DP-1000LX · Polythene tank of 1,000-litre capacity (page 98)

37030



IT MUST BE INSTALLED A REGULATOR-LUBRICATOR-PURIFIER WHEN INSTALLING THE PNEUMATIC PUMPS.

DESCRIPTION

CODE

MOBILE PNEUMATIC KITS FOR 200-LITRE DRUM

- Pneumatic pump for 200-litre drum
- RP-1 · Pressure regulator
- 3 m R1 Ø1/2" delivery hose with adapters in both ends
- PG-40 manual nozzle for the lubricant supply or PMGE-40 electronic nozzle-meter for the lubricant supply and measure with flexible tube with 90° rigid outlet and non-drip end
- 3/4" bung adapter
- Mobile trolley for 200-litre drum

WITHOUT HOSE-REEL

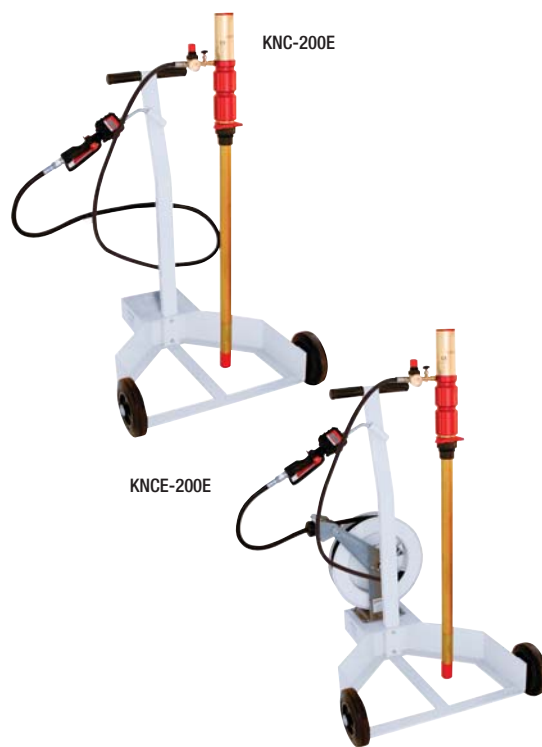
- **KNC-200** GM-3 (SAE 15/50) without meter
- **KNC-200E** GM-3 (SAE 15/50) with meter
- **KNC-200** GM-5 (SAE 15/140) without meter
- **KNC-200E** GM-5 (SAE 15/140) with meter

20390
20400
20850
20860

WITH HOSE-REEL of 8 m hose

- **KNCE-200** GM-3 (SAE 15/50) without meter
- **KNCE-200E** GM-3 (SAE 15/50) with meter
- **KNCE-200** GM-5 (SAE 15/140) without meter
- **KNCE-200E** GM-5 (SAE 15/140) with meter

20410
20420
20870
20880



PNEUMATIC LUBRICANT DISPENSER

DA-24 · PNEUMATIC LUBRICANT DISPENSER

24060

Autonomous mobile unit for the lubricant supply with a 24-litre steel tank with a level indicator. This must be pressurised with air, connecting a compressor or an air line to the charging valve of the kit. The lubricant is gradually supplied when the control nozzle is activated.



PNEUMATIC KITS FOR FIXED INSTALLATIONS

GM-3 PNEUMATIC WALL KIT
GM-5 PNEUMATIC WALL KIT

181700000
181800000

Composed of:
Pump + wall support + R14M air adapter + ER14H quick socket + 1 m MM1/4" air hose with ends + 1.5 m MM1/2" hose with adapters (1 swivel side)

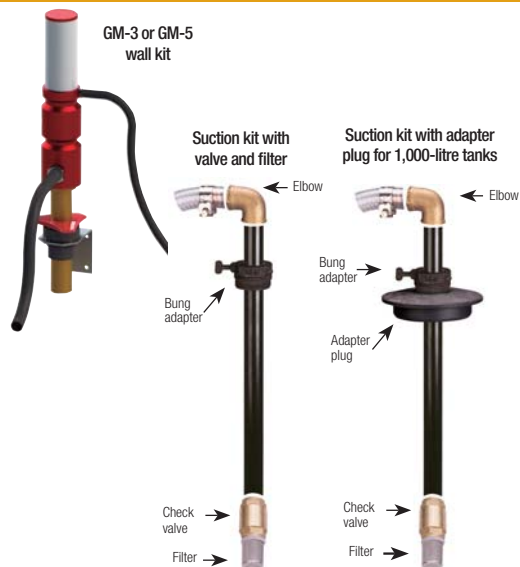
- **1 m 3/4" 200-litre drum suction kit**
- **1,000-litre tank suction kit**

35880
358100200

Optional:

- RP-1 · Pressure regulator with MF1/4" valve (page 115)
- RLP-1 · Regulator-lubricator-purifier (page 115)
- 25-bar pressure relief kit
- 50-bar pressure relief kit
- 70-bar pressure relief kit

801902001
801902002
12950
12960
12970



1" HIGH FLOW DIAPHRAGM PUMP



mm (approx.) 279 / 267
kg (approx.) 6.85

1/4" DIAPHRAGM PUMP



mm (approx.) 163 / 145
kg (approx.) 0.75

1/2" DIAPHRAGM PUMP



mm (approx.) 225 / 208
kg (approx.) 3.10

DIAPHRAGM PUMP KIT



RP-1



RPL-1



DESCRIPTION

CODE

1" HIGH FLOW DIAPHRAGM PUMP FOR NEW AND WASTE LUBRICANT

170 l/min

12090

Diaphragm pump for the new and waste lubricant transfer. It can transfer lubricant with small impurities (max. diam. 2 mm). (Ask for other liquids).

- Flow up to 170 l/min
- Air flow: 1,133 l/min
- Max. pressure: 8.6 bar (125 PSI)
- Body: injected aluminium
- Suction connection: 1" BSP · Delivery connection: 3/4" BSP
- Membrane: BUNA
- Seats: aluminium
- Seat joints: BUNA
- System: without lubrication · without half position

DIAPHRAGM PUMPS FOR BRAKE AND ANTIFREEZE LIQUIDS

1/4" NPT DIAPHRAGM PUMP

18 l/min

12160

1/2" NPT DIAPHRAGM PUMP

50 l/min

12150

Diaphragm pumps for the transfer of corrosive liquids and with small impurities (max. diameter: 2 mm).

Suitable for brake and antifreeze fluids.

- Max. pressure: 8.6 bar (125 PSI)
- Body: Polypropylene
- Balls: Teflon
- Seats: Polypropylene
- System: without lubrication · without half position

DRUM KITS WITH DIAPHRAGM PUMP

- Diaphragm pump
- 4 m R1 Ø1/2" delivery hose with adapters in both ends
- 1 m 3/4" transparent suction hose with valve and York filter and bung adapter
- PG-40 manual nozzle for the lubricant supply or PMGE-40 electronic nozzle-meter for the lubricant supply and measure with 60° rigid outlet with non-drip valve
- 2 universal hook sets to hang the nozzle and the hose
- Open hose-reel with 10 m hose

■ KBD1/4-200	1/4"	without meter	-	12830
■ KBD1/4-200E	1/4"	with meter	-	12840
■ KBDE1/4-200	1/4"	without meter	HOSE-REEL	12870
■ KBDE1/4-200E	1/4"	with meter	HOSE-REEL	12880
■ KBD1/2-200	1/2"	without meter	-	12850
■ KBD1/2-200E	1/2"	with meter	-	12860
■ KBDE1/2-200	1/2"	without meter	HOSE-REEL	12910
■ KBDE1/2-200E	1/2"	with meter	HOSE-REEL	12920
■ KBD1-200	1"	without meter	-	12980
■ KBD1-200E	1"	with meter	-	12981

Optional:

- RP-1 Pressure regulator with MF1/4" valve (page 115)
- RLP-1 · Regulator-lubricator-purifier (page 115)
- Pneumatic pump wall support (page 100)

801902001
801902002
800404020



IT MUST BE INSTALLED A REGULATOR-LUBRICATOR-PURIFIER WHEN INSTALLING THE DIAPHRAGM PUMPS.

DESCRIPTION

CODE

- Open or cased hose-reels of Ø1/2" for several applications specially for lubricant installations.
- They make easier the fluid supply at any working point, being able to be assembled on the wall, on tanks, on ceiling or anchored with fixed or adjustable supports.
- Metallic heavy-duty building with adjustable arms in order to get a better output in any position.
- Resistance: 200 bar.

Ø1/2" OPEN HOSE-REELS (without hose)

- Capacity up to 10 m
- Capacity up to 15 m

807301003
807301005

Ø1/2" OPEN HOSE-REELS (with hose)

Open hose-reels with R1 Ø1/2" hose special for lubricant

- E-10 with 10 m Ø1/2" hose
- E-15 with 15 m Ø1/2" hose

807300101
807300102

Ø1/2" CASED HOSE-REEL (without hose)

High resistance cased hose-reel with adjustable bracket for Ø1/2" hose special for lubricant. Capacity up to 15 m.

807300200

Ø1/2" CASED HOSE-REELS (with hose)

Cased hose-reels with R1 Ø1/2" hose special for lubricant.

- EC-10 with 10 m Ø1/2" hose with swinging bracket
- EC-15 with 15 m Ø1/2" hose with swinging bracket

807300201
807300202

ADJUSTABLE HOSE-REEL WALL BRACKET

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

24050

0.8 m Ø1/2" HOSE WITH ADAPTERS IN BOTH ENDS - HOSE-REEL CONNECTION

R1/2" hydraulic hose with adapters in both ends (one end with F1/2" mobile nut adapter and the other with M1/2" adapter).

803406078

Ø3/4" AUTOMATIC HIGH CAPACITY HOSE-REEL (without hose)

160 bar

Automatic retractile hose-reel made of varnished steel suitable for 15 m R3/4" hose for air, grease, lubricant and water transfer. The retractile effect allows picking it up in the required length improving its operation.

- Connection: MM3/4"

807301010

Open hose-reel with hose



Cased hose-reel with hose



Adjustable bracket



Automatic hose-reel



Dim.: 680x590x250 mm
Weight: 25 kg

13 LUBRICANT RECUPERATORS

RM-60



RF-90



RA-90



DESCRIPTION

CODE

RM-60 - MOBILE LUBRICANT RECUPERATOR BY GRAVITY OF 60 LITRES

20474

Mobile drain unit for soils to recover the motor oils, the transmission oils and differential gear oils of the vehicles. The tank is equipped with a grille so as to avoid the reflux and drain the replaced filters.

- Capacity: 60 litres
- Grille
- 2 x Ø80 mm swivelling wheels
- 2 x Ø100 mm fixed wheels
- F3/4" drain valve

RM-120 + PNEUMATIC PUMP - 120-LITRE MOBILE RECUPERATOR + PUMP

20475

Model of 120 litres similar to the above one but including a pneumatic pump.

RF-90 - LUBRICANT RECUPERATOR OF 90-LITRE CAPACITY FOR INSPECTION PIT

20480

Drain unit for inspection pits in order to recover the oils of the vehicle motors, transmissions and differential gears. The tank is equipped with a grille so as to avoid the reflux and drain the replaced filters.

- Capacity: 90 litres
- Grille
- Adjustable supports (min. 800 mm - max. 1,200 mm)
- F3/4" drain valve

RA-90 - LUBRICANT RECUPERATOR BY GRAVITY

24010

90-litre lubricant recuperator by gravity to be used under vehicle elevators or an inspection pit. It is connected to an air inlet in order to discharge the kit. It has built in a funnel of 15 litres adjustable in height.

14 OIL EXTRACTORS



kg
approx. 34.29

PNEUMATIC EXTRACTOR WITH OIL PAN - 90 LITRES

24012

90-litre pneumatic extractor for waste oil.

- Tank capacity: 90 litres
- Pre-chamber capacity: 10 litres
- Ergonomic funnel with 360° swivel
- Grille to drain the filters
- Pneumatic air empty (max. pressure: 0.5 bar)
- Equipped with 10 probes

Air pressure: 7.5 - 8 bar

Depressurisation time l/min: 2.5' - 3'

Max. suction capacity: 43-45 litres

Suction time with Ø6 and oil temperature at 60 - 80 °C: 1.5' - 2'

Suction hose length: 2 m

AM-20



mm
(approx.) 1625
620 520

kg
approx. 56.5

AM-20 - MOBILE ELECTRIC EXTRACTOR

20100

- Portable machine of double use with transparent vessel of 10 litre capacity
- Funnel to recuperate oil by gravity
- EA-89 self-suction gear pump
- Motor power: 92 W
- Voltage: 230 VAC 50 Hz single-phase
- Evacuation pressure: +3 bar
- Depression: -0.9/-0.6 bar
- Vacuum gauge
- 2m synthetic suction hose Ø9 x 18mm
- Suction probe-carrier with special adapter
- Exchangeable probes of 3, 5 and 6 mm
- 230 VAC electric connection cable
- In-line filter for the impurities
- Suction and/or pouring reversing switch
- 60-litre tank
- Wheels to make easier its transport

DESCRIPTION

CODE

SUPPLY PORTICO WITH 3 HOSE-REELS

22040

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

Composed of: cased hose-reel + 10 m hose + PMGE-40 electronic nozzle-meter + drip pan + base to be directly anchored to the ground

- Made of metallic sheet
- Lateral where to place the pipes
- 1 hose-reel extension (maximum 2 hose-reels per portico)

SUPPLY PORTICO WITH 3 HOSE-REELS AND OWN CONSUMPTION CONTROLLER

22050

It is composed of:

- GK-7M · own consumption multihose controller
- Portico with 3 hose-reels with 10 m of hose
- 3 x MGI-40 pulsers
- 3 x 1/2" solenoid valves
- 3 x supply electronic displays

It allows the supply only to the authorized users through PIN code or magnetic key. PC connection. Data base with the supplies done by each user, type of lubricant, supplied litres, date and hour... SQL data base for its easy and quick connection to ERP systems or another management software.

**PFP - PANEL TO FIX THE PNEUMATIC PUMPS AND/OR THE HOSE-REELS**

20530

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

WORKBENCHES

16

ELECTRIC OR PNEUMATIC WORKBENCHES

Workbench with dispenser kit for two types of lubricant that allows the supply of both products from the same operation site.

Inner capacity for 2 drums of 200 litres.

Mobile transversal girder in order to easily place the drums.

Equipped with:

- 2 x hose-reels with 8 m R1 Ø1/2" hose with adapters in both ends
- 2 x PMGE-40 electronic nozzle-meters for the lubricant supply and measurement
- 2 x suction kits for 200-litre drums

BDE-400E (electric)

20160

- 2 x EA-88 0.74 kW 230 VAC self-suction gear pumps
- 230 VAC cable

BDN-400E (pneumatic)

20170

- 2 x GM-3 pneumatic pumps · ratio 3:1
- 2 air regulators with built-in valve
- 2 x compressed air outlets
- It must be connected to a compressed air net.

AH-1800 · Metallic tool cabinet

701904058

Dim.: 1,800x207x750 mm
It includes supports.

BDE-400E



PG-40



PMGE-40



90° rigid spout

60° rigid spout



Flexible spout with 90° rigid curve and non-drip nipple

Non-drip nipple



PMGE-40 + Flexible spout with 90° rigid curve and non-drip nipple



PG-40 + 90° rigid spout



P-100



DESCRIPTION

CODE

PG-40 · MANUAL SUPPLY NOZZLE without spout

47352

Manual nozzle for the lubricant supply with hand protector, injected in high resistance plastic made of fiberglass and equipped with F1/2" GAS (BSP) and quick ACR exchange system of the different type of ends.

- Max. flow: 20 l/min (according to the pumping kit)
- Max. security pressure: 80 bar
- Max. working pressure: 50 bar

PMGE-40 · ELECTRONIC NOZZLE-METER without spout

47373-CF00000

Ergonomic electronic nozzle-meter with hand protector, injected in high resistance plastic made of fiberglass and equipped with F1/2" GAS (BSP) and quick ACR exchange system of the different type of ends.

It avoids the accidental trigger opening.

Composed of:

- PG-40 supply nozzle
- MGE-40 electronic gear meter (page 95)
- Shock case made of flexible rubber in order to protect the display buttons.

SPOUT TYPES

Quick exchange without threads

90° free flow rigid spout

473502003

Flexible spout with 90° rigid curve and non-drip nipple

473502005

60° rigid spout with non-drip nipple

473502002

Non-drip nipple

473002002

Flexible spout with 90° rigid curve and manual non-drip nipple

473502105

60° rigid spout with manual non-drip nipple

473502106

Manual non-drip nipple

473600000

COMPLETE NOZZLE-METER

PMGE-40 + 90° free flow rigid spout

47410-CF00000

PMGE-40 + Flexible spout with 90° rigid curve and non-drip nipple

47410-CF00001

PMGE-40 + 60° rigid spout with non-drip nipple

47410-CF00002

PMGE-40 + Flexible spout with 90° rigid curve and manual non-drip nipple

47410-CF00003

PMGE-40 + 60° rigid spout with manual non-drip nipple

47410-CF00004

COMPLETE MANUAL SUPPLY NOZZLE

PG-40 + 90° free flow rigid spout

47420

PG-40 + Flexible spout with 90° rigid curve and non-drip nipple

47421

PG-40 + 60° rigid spout with non-drip nipple

47422

PG-40 + Flexible spout with 90° rigid curve and manual non-drip nipple

47423

PG-40 + 60° rigid spout with manual non-drip nipple

47424

P-100 · MANUAL HIGH FLOW SUPPLY NOZZLE

57
l/min

474300000

- Flow: 57 l/min (lubricant up to SAE-140)
- Max. pressure: 103 bar
- Temperature: 70 °C
- Connection: F3/4" BSP
- Flexible spout of 350 mm x Ø19 mm with manual nipple
- Trigger fixation
- Weight: 2.2 kg

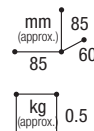
DESCRIPTION

CODE

- Electronic meter with aluminium measuring chamber with high accuracy oval gears
- 5-digit display
- It saves the litres of the last service.
- Flow: from 2 to 40 l/min
- Max. pressure: 50 bar
- Min./max. temperature: -5 °C / +60 °C
- Accuracy: ±0.5 %
- It is suitable for the lubricant measuring up to SAE-140 density
- Feeding by button battery of long duration
- Low battery display
- It has calibration parameters and stored litre totalizer in a PERMANENT MEMORY.



2-40 l/min
±0.5%



MGE-40 · ELECTRONIC GEAR METER

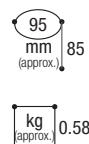
32350-CF00000

- Flow: 2-40 l/min
- Connection: F1/2"

MGI-40 · PULSER

32280

- Pulser for its in-line assembly, making easier the exact information of the fluid management systems that there are in the market.
- Housing: aluminium · Cover: plastic
 - Flow: 2-40 l/min
 - Connection: F1/2"
 - 78 pulses per litre and channel



HIGH FLOW METERS AND PULSERS (refer to page 33 & 35)



MGE-110
5-110 l/min



MGE-250
10-150 l/min



MGE-400
20-300 l/min



MGI-110
5-110 l/min



MGI-250
10-150 l/min



MGI-400
20-300 l/min

**Approx. flow according to the type of lubricant*

ELECTRONIC CONSOLE WITH PRESET AND AUTOMATIC STOP

MGE-HI · ELECTRONIC CONSOLE WITH PRESET AND AUTOMATIC STOP

253000000

APPLICATION

Electronic kit to be connected to a pulser, giving a partial and total reading of the supplied volume, allowing the litre preset with the automatic stop of the motor or the electrovalve.

- Functions:
- **DISPLAY:** It shows the supplied litres (5 digits). It saves the litres of the last service.
 - **TOTAL:** It shows the total of the supplied litres · Maximum: 99,999 litres (or the volume unit in use).
 - **CANCEL:** It cancels the preset.
 - **RESET**
 - **ON/OFF:** It switches on or off the motor.
 - **X10:** Preset of 10 units (litres, gallons...)
 - **X1:** Preset of 1 unit (litres, gallons...)

TECHNICAL FEATURES

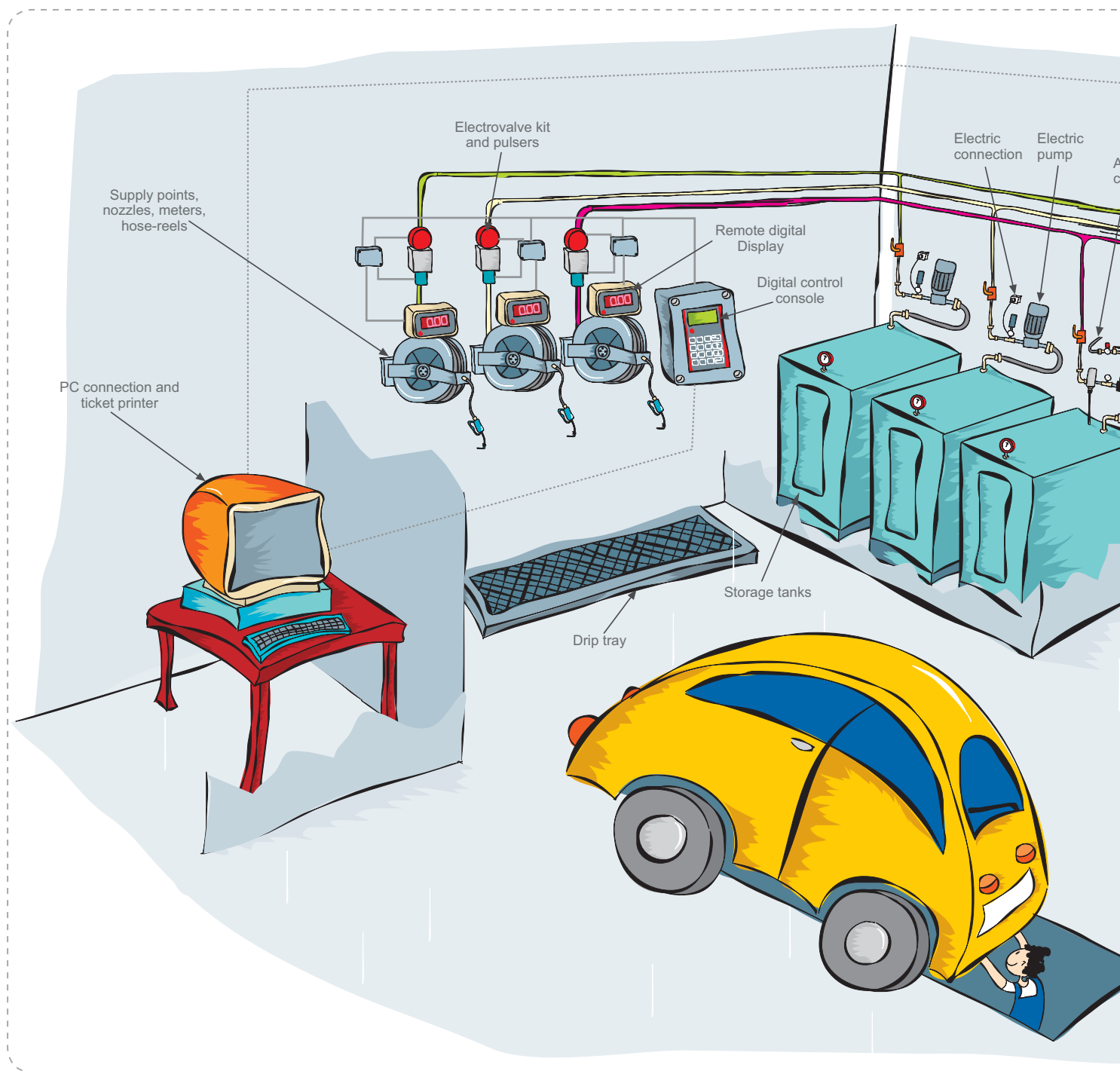
- Electronic console assembled into an IP-55 polycarbonate box
- Cable outlets:
1. Voltage: 230 VAC (optional at 12/24 VDC)
 2. Optional connection to motor (or electrovalve) to switch on or off the motor (open/close the electrovalve).
- Max. power: 0.75 kW. The higher the power is, more necessary to assemble a contactor will be.
3. Optional connection to a switch with mechanical contact or hose hanger.



Identification keys



■ **OPTIONAL FUNCTIONS** (refer to page 34-35)



DESCRIPTION

CODE

GK-7M MULTIHOSE · DIGITAL FLUID CONTROL AND MANAGEMENT SYSTEM

The new system of digital fluid control provides an effective solution for the best supply service improvement of the different types of oils and other fluids in garages, workshops or similar installations.

On the installations where the lubricant is transferred from the tanks to lubrication points, these kits are necessary in order to optimize its output by a total control of all done operations.

It is required to connect a hose module for each hose or meter, where the meter, the solenoid valve, a display (if necessary) and another hose module are connected to.

Technical Data:

- Voltage: 110/230 VAC (optional 12/24 V)

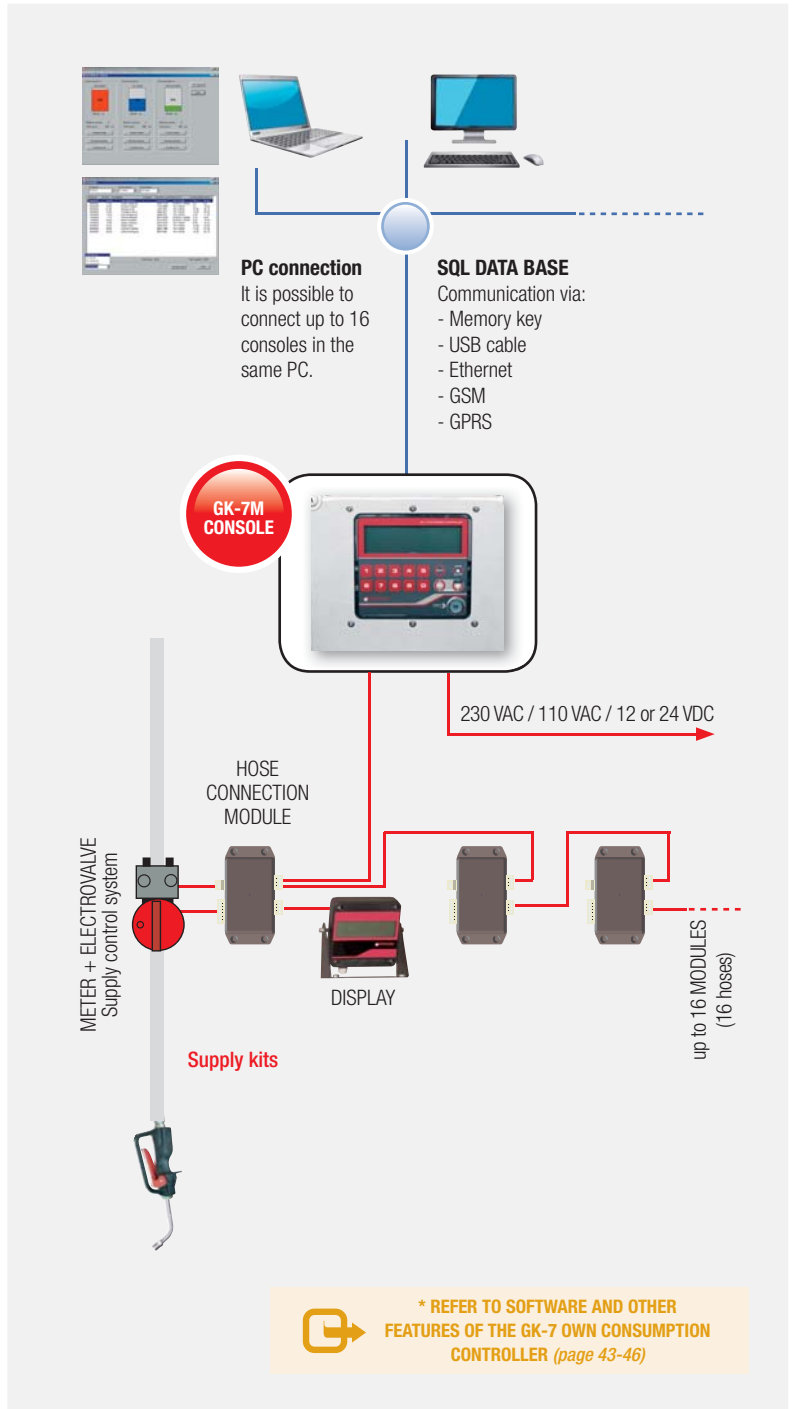
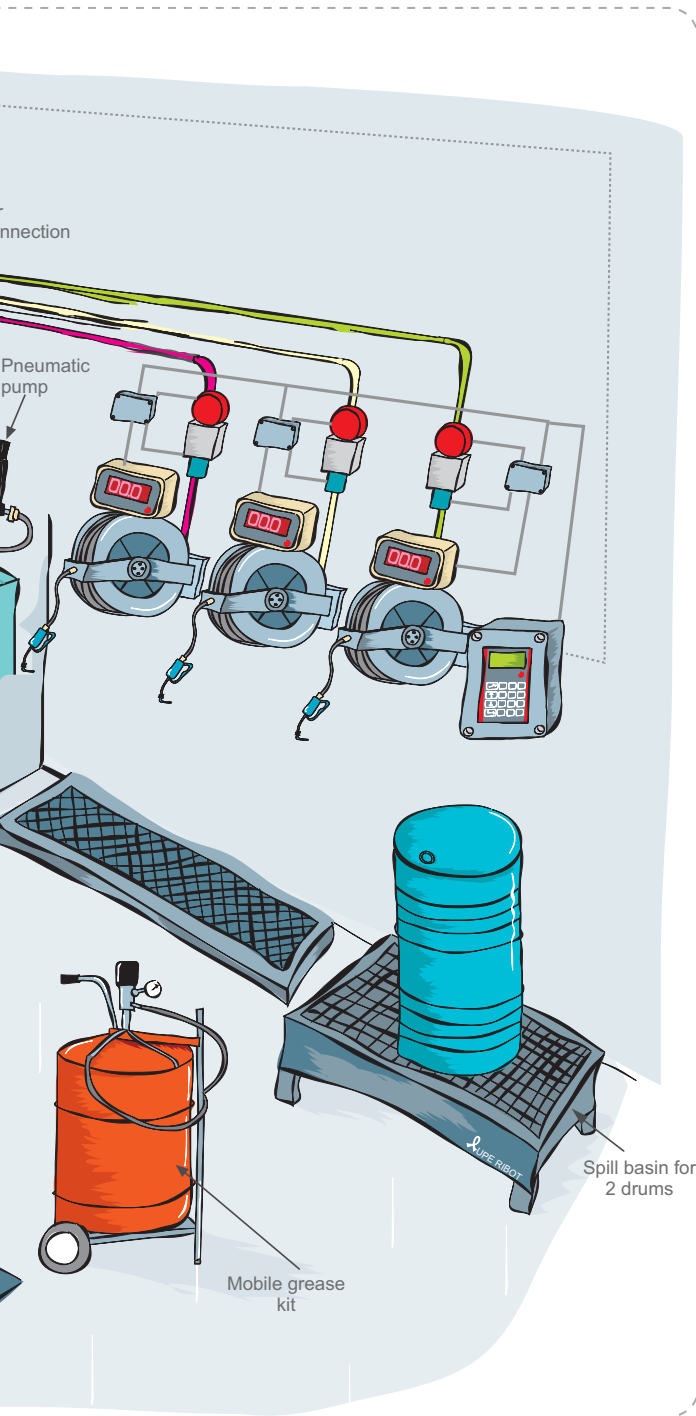
The GK-7 digital console of fluid control offers:

- Access the system only to authorized personnel (personal codes, magnetic keys or cards)
- Memorizing of all the done operations
- PC connection: software that shows graphically all the done operations, use reports, product stock, product inputs.

- **GK-7M · DIGITAL CONSOLE OF FLUID CONTROL (page 40)**
- **HOSE CONNECTION MODULE (It is required to install a hose module for each dispenser to be controlled)**
- **SUPPLY CONTROL SYSTEM**
- **ANTIFREEZE SUPPLY CONTROL SYSTEM**
- **GK-7M ADJUSTABLE DISPLAY KIT**
- **COMMUNICATION KITS**

**Refer to other possibilities and other communication systems of the GK-7 controller (page 39-46).*

- 252504000
- 25680
- 25681
- 252504005



DESCRIPTION

CODE

GENIUS-LUBE · 230 VAC · LEVEL INDICATOR

25731

Gauge for the tank level reading:

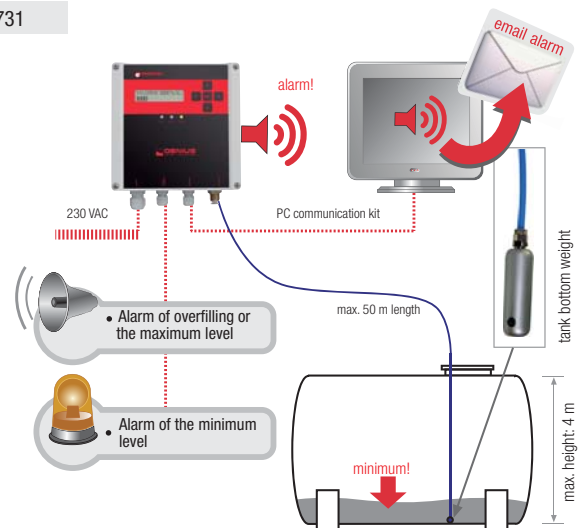
- Reading in the display
- Reading from a local PC or at distance



mm (approx.) 160
185 60

kg (approx.) 2.50

Refer to features and PC communication kits (page 50-52)



21 TANK



DESCRIPTION

CODE

DP-1000LX · 1,000-litre POLYTHENE TANK

37030

High density polythene tank of 1,000-litre capacity, with galvanized metallic frame and 4-inlet wood pallet

- It is suitable for mineral, agriculture, petrochemical and industrial oils.
- Ø150 filling hole with plug
- Emptying outlet with 50 mm ball valve

22 TANK ACCESSORIES

BUNG ADAPTER



BUNG ADAPTERS

Bung adapters with two threads: M-64x4 top thread and 2" BSP lower thread.

- 2" x T1/2" BUNG ADAPTER
- 2" x T3/4" BUNG ADAPTER
- 2" x T1" BUNG ADAPTER
- 2" x T1 1/4" BUNG ADAPTER
- 2" x Ø21 mm BUNG ADAPTER
- 2" x Ø28 mm BUNG ADAPTER

805200003
805200004
805200006
805200005
805200001
805200007

ADAPTER PLUG



4" F2" ADAPTER PLUG FOR 1,000-LITRE TANK

805204004

- Plug to be assembled in the top hole of the DP-1000LX polythene tank
- F2" BSP thread



TAC



TAC-1000 · ADAPTER NUT TO THE 1,000-LITRE TANK

807106003

- Nut to be assembled in the lower hole of the DP-1000LX polythene tank
- MF3/4" BSP thread

DESCRIPTION

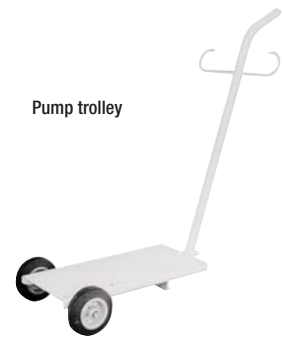
CODE

23.1 TRANSPORT TROLLEYS

PUMP TROLLEY

807900003

Trolley for pumps of different sizes.
- Platform size: 480x205 mm



Pump trolley

C-50 · 50-kg DRUM TROLLEY

68610

Trolley for 50-60-kg drums for the lubrication and grease kits.
It is equipped with 2 Ø125x37 mm fixed wheels and 2 Ø60x24 mm rotary wheels.
It also has built in a support for the assembly of a pneumatic pump.



C-50

C-200 · 185-kg DRUM TROLLEY

68620

Trolley for 185-200-kg drums for the lubrication and grease kits.
It is equipped with 2 Ø250x50 mm fixed wheels and 2 Ø100x25 mm back rotary wheels.
It also has built in a support for the assembly of a pneumatic pump.



C-200

CE-200 · 185-kg DRUM TROLLEY FOR A HOSE-REEL

68630

Trolley for 185-200-kg drums for the lubrication kits.
It is equipped with 2 Ø250x50 mm fixed wheels and 2 Ø100x25 mm back rotary wheels.
It also has built in a support for the assembly of a pneumatic pump and a back platform for the assembly of a hose-reel.



CE-200

T-200 · 200-kg DRUM TRANSPORTER-ELEVATOR TROLLEY

68650

Specially designed for transporting, raising and handling the drums.
- Capacity: 300 kg



T-200

- Comfortable and easy drum raising system with wheels for its transport



Metallic protective holder



Pump bracket handle



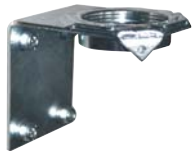
Wall oil dripping holder



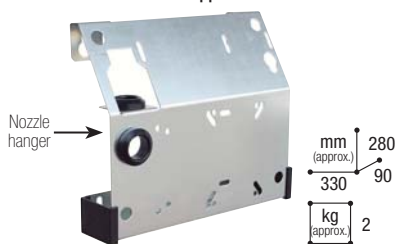
Adjustable bracket for hose-reels



Pneumatic pump wall support



Universal support



Mixed wall non-drip support



Universal hook set



DESCRIPTION

CODE

23.2 SUPPORTS

METALLIC PROTECTIVE HOLDER

126801001

Metallic holder with drip tray to be installed on polyethylene tanks of 1,000 litres with metal tubular framework for all type of assemblies and pumping kits. It is also available made of galvanized steel. (Size: 170x1,105x605 mm)

PUMP BRACKET HANDLE

030003001

Handle with lower support to be fitted to gear pumps for an easy handling. It is available in black colour.

WALL OIL DRIPPING HOLDER

24020

Metallic nozzle holder with drip tray. (Size: 150x150x600 mm)

ADJUSTABLE BRACKET FOR HOSE-REELS

24050

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

PNEUMATIC PUMP WALL SUPPORT

800404020

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

UNIVERSAL SUPPORT

800404259

Zinc-plated sheet support to fix the pumping kits in the polypropylene tanks of 1,000 litres "with metallic framework" and the steel double wall tanks. It can also be fixed on the wall. It has a nozzle hanger with rubber protection and a drip tray.

MIXED WALL NON-DRIP SUPPORT

800405007

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. (Size: 300x100x1,200 mm)

UNIVERSAL ZINC-PLATED HOOK SET

800404049

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

DESCRIPTION

CODE

SUCTION / DELIVERY HOSES

R1 SUCTION / DELIVERY HOSES SPECIAL FOR LUBRICANTS

- R1 01/2" suction/delivery hose (m)
- R1 03/4" suction/delivery hose (m)
- R1 01" suction/delivery hose (m)
- 0.8 m R1 0M1/2" suction/delivery hose with adapters in both ends
- 2 m R1 0M1/2" suction/delivery hose with adapters in both ends
- 3 m R1 0M1/2" suction/delivery hose with adapters in both ends
- 4 m R1 0M1/2" suction/delivery hose with adapters in both ends
- 6 m R1 0M1/2" suction/delivery hose with adapters in both ends
- 8 m R1 0M1/2" suction/delivery hose with adapters in both ends
- 10 m R1 0M1/2" suction/delivery hose with adapters in both ends
- 12 m R1 0M1/2" suction/delivery hose with adapters in both ends
- 15 m R1 0M1/2" suction/delivery hose with adapters in both ends
- 20 m R1 0M1/2" suction/delivery hose with adapters in both ends
- 25 m R1 0M1/2" suction/delivery hose with adapters in both ends

Optional:

- To put M1/2" adapters in the R1 hose both ends
- To put M3/4" adapters in the R1 hose both ends
- To put M1" adapters in the R1 hose both ends

803401002
803401008
803406044
803406055
803406026
803406027
803406011
803406028
803406045
803406029
803406046
803406047
803406091
803406092

670001008
670001009
670001012

R1 suction/delivery hose



SUCTION HOSES AND KITS

SPRINGWEL BLACK SUCTION HOSES (m)

- Ø25 mm Springwel black suction hose
- Ø30 mm Springwel black suction hose
- Ø40 mm Springwel black suction hose

803400010
803400011
803400012

SPRINGWEL TRANSPARENT SUCTION HOSES (m)

- Ø20 mm Springwel transparent suction hose
- Ø25 mm Springwel transparent suction hose
- Ø30 mm Springwel transparent suction hose
- Ø40 mm Springwel transparent suction hose

803400005
803400001
803400003
803400002

Transparent and black suction hose



METALLIC TUBE SUCTION KIT WITH CHECK VALVE WITH FILTER + 3 m SUCTION HOSE

- Suction kit with check valve and 1" filter · height 1.35 m
- Suction kit with check valve and 1" filter · height 1.65 m
- Suction kit with check valve and 1" filter · height 1.90 m
- Suction kit with check valve and 1 1/4" filter · height 1.65 m
- Suction kit with check valve and 1 1/4" filter · height 1.90 m
- Suction kit with check valve and 1" filter with adapter plug for 1,000-litre tanks + 1" quick switch (without hose)

35560
35550
35570
35520
35530
35810

Suction kit + check valve + filter



Suction kit with adapter plug for 1,000-litre tanks



SUCTION KITS WITH METALLIC TUBE AND FILTER

- 1.40 m suction kit with 3/4" filter
- 1.70 m suction kit with 3/4" filter
- 1.40 m suction kit with 1" filter
- 1.70 m suction kit with 1" filter

35690
35670
35700
35680



GREASE

1 MANUAL INDUSTRIAL, LEVER AND PEDAL GREASE KITS

DESCRIPTION

CODE

MANUAL GREASE NOZZLES

- Aluminium casting head with filling nipple and air release valve
- Resistant follower spring
- Big threads for a quick and easy load
- It is available with 150-mm rigid tube of 6" or 12" or a 300-mm flexible hose and grease 4-jaw bushing with ball valve.
- It is suitable for the use of the 400-cm³ grease cartridge or bulk filling of 500 or 1,000 g.
- Working pressure: 690 bar · 10,000 PSI
- Thickness: 1.2 mm

- **BEP-500R** of capacity 500 cm³ (with rigid nipple)
- **BEP-500F** of capacity 500 cm³ (with flexible nipple)
- **BEP-1000 BASIC** of capacity 1000 cm³

68140
68130
68290

DF-50 · HIGH PRESSURE PNEUMATIC GREASE NOZZLE

- High pressure pneumatic grease nozzle of only one shot. It is designed with a grease cylinder in its top for an optimal balance. It is supplied with a 225 mm 9" rigid coupling and 4-jaw professional nipple.
- Air-operated use with 400 g grease cartridge or bulk filling of 500 g.
- Volume: 1 cm³ per stroke
- Min./max. pressure: 3 / 8 bar · 40 / 120 PSI
- Working pressure: 413 bar · 6,000 PSI
- Ratio: 50:1

68460

MANUAL GREASE FILLING KITS

- They are suitable for filling the manual grease pumps and nozzles.
- Composed of:** Manual grease pump, follower plate, cover and 90° rigid connection with 9 mm adapter

- **EG-20 for 16-30-kg drums** · Weight: 5.75 kg · Dim.: 320x420x570 mm
- **EG-50 for 50-60-kg drums** · Weight: 10.7 kg · Dim.: 420x420x940 mm

68340
68470

BEF-5 · MANUAL GREASE PUMP

- Pump that works through foot pressure in the spring load system.
 - In one only load it supplies 30 shots of grease.
 - Aluminium casting
 - The high pressure adjustment supplies 0.45 g for each shot at 690 bar (10,000 PSI)
 - The high volume adjustment supplies 1.25 g per stroke
 - It is suitable for NLGI class 2 grease
- Composed of:**
- drum cover, follower plate, Ø1/2" high pressure hose, joined nozzle with steel extension and coupling, 5-kg plastic drum, 1.5 m hose

68450

EP-16 · PEDAL GREASE KIT

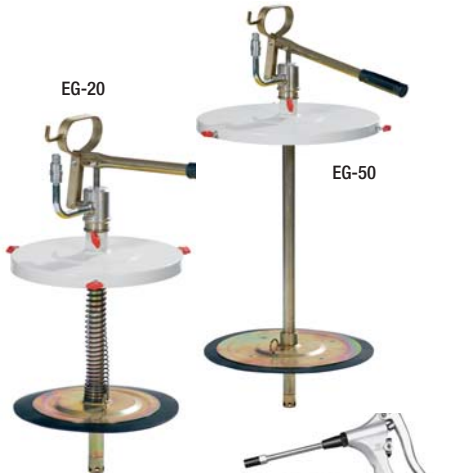
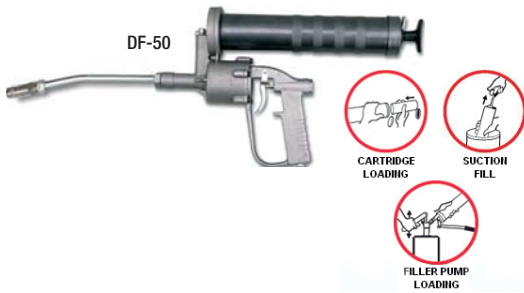
- Pressure: 350-400 bar
- Composed of:**
- Small tank of 16 kg with wheels
 - Follower plate with spring
 - 2 m rubber hose
 - MF10x1 mm hammer lever
 - 200 mm rigid coupling and 4-jaw bushing

68310

MANUAL VALVOLINE NOZZLE

- Heavy-duty nozzle designed to transfer gear oil, Valvoline and non-corrosive liquids
- Plated-steel heading
- Steel cylinder with powder-paint finish
- It does not need to be primed.
- Capacity: 500 ml

68200



DESCRIPTION

CODE

PNEUMATIC GREASE PUMPS

Pneumatic high pressure grease pump for greases up to NLGI-2 that is intended for its assembly on grease barrels from 25 to 185 kg. It is suitable for mobile kits or fixed installations with a distribution outlet.

- Pressure Ratio: 60:1
- Air consumption: 130 l/min
- Maximum pressure: 8 bar
- Noise level: 76 dB
- Ø30 mm tube
- Air inlet thread: F1/4"
- Supply 1,600 g/min
- Grease outlet connection: M1/4"

Pneumatic grease pumps

	Drum	Suction tube length	Weight (kg)	
■ GN-60/25	20-25 kg	480 mm	5.24	68510
■ GN-60/50	50 kg	750 mm	6.30	68520
■ GN-60/200	185 kg	950 mm	7.10	68530

High flow pneumatic grease pumps

	Drum	Suction tube length	Weight (kg)	
■ GN-55/200GC	185 kg	880 mm	7.5	68560
■ GN-80/200GC	185 kg	880 mm	8.5	68550

GN-60/25



GN-55/200GC
GN-80/200GC



MOBILE GREASE KITS FOR DRUMS

Mobile grease kits for drums with capacity from 18 to 60 kg.

Composed of:

- GN-60 · ratio 60:1 · pneumatic grease pump
- Transport trolley with wheels
- Dust cover and follower plate
- 3 m R2 hose
- Nozzle with swivel joint
- Dust cover diameter: EMG-25 Ø320 mm · EMG-50 Ø400 mm
- Follower plate diameter: EMG-25 Ø310 mm · EMG-50 Ø370 mm

■ EMG-25 · Mobile grease kit for 18-30-kg drum (Dim.: 430x600x960 mm)	68350
■ EMG-50 · Mobile grease kit for 50-60-kg drum (Dim.: 500x620x1,100 mm)	68360

EMG-25
EMG-50



185-kg FIXED GREASE KITS

Grease kits for fixed or variable distances and to be assembled on a 185-kg drum.

Composed of:

- GN-60/200 · ratio 60:1 · pneumatic grease pump
- Quick coupling
- Adapter
- 6.5 m Ø1/4" high pressure flexible coupling
- Dust cover and follower plate
- PG-20 rigid grease nozzle with triple swivel adapter
- Pressure regulator

■ EFG-200 · Fixed grease kit for 185-kg drum	68400
■ EFG-200E · Fixed grease kit with hose-reel for 185-kg drum	68410

EFG-200E



Sharp end bushing



DESCRIPTION

CODE

3.1 GREASE BUSHINGS

SHARP END BUSHINGS

- Minimum shipment of 12 units (EUR/unit)

- Normal SHARP END BUSHING
- Special long SHARP END BUSHING

680006100
680006101

Zerk bushing



ZERK BUSHING

680006200

- Minimum shipment of 12 units (EUR/unit)

Flat head grease bushing



FLAT HEAD GREASE BUSHINGS

- Metallic grease bushing for flat head greasers
- Minimum shipment of 12 units (EUR/unit)

- FLAT HEAD BUSHING for Ø16 mm greasers
- FLAT HEAD BUSHING for Ø22 mm greasers

680006300
680006301

4-jaw grease bushing



4-JAW GREASE BUSHING

68240

- The mechanized jaws press tightly the greaser.
- Strong body
- Max. working pressure: 650 bar (10000 PSI)
- F1/8" (BSP) thread



NOTE: All the coupling bushings are available with and without retention ball valve.

DESCRIPTION

CODE

3.2 FLEXIBLE AND RIGID COUPLINGS

HIGH RESISTANCE FLEXIBLE COUPLINGS

- Breaking pressure: 1,650 bar
- Minimum shipment of 12 units (EUR/unit)

- **AFR-300** 300 mm high resistance flexible coupling without bushing
- **AFR-300B** 300 mm high resistance flexible coupling with hydraulic bushing
- **AFR-500** 500 mm high resistance flexible coupling without bushing
- **AFR-500B** 500 mm high resistance flexible coupling with hydraulic bushing

680006501
680006500

680006503
680006502

**The sizes correspond to the hose without ends.*

FLEXIBLE COUPLINGS

Flexible couplings suitable for the manual greasing. It has an inner metal braid.

- Operating pressure: 250 bar
- Breaking pressure: 1,000 bar
- Minimum shipment of 12 units (EUR/unit)

- **AF-300** 300 mm flexible coupling without bushing
- **AF-300B** 300 mm flexible coupling with hydraulic bushing
- **AF-340** 340 mm flexible coupling without bushing
- **AF-340B** 340 mm flexible coupling with hydraulic bushing
- **AF-400** 400 mm flexible coupling without bushing
- **AF-400B** 400 mm flexible coupling with hydraulic bushing
- **AF-500** 500 mm flexible coupling without bushing
- **AF-500B** 500 mm flexible coupling with hydraulic bushing
- **AF-2000** 2,000 mm flexible coupling without bushing
- **AF-2000B** 2,000 mm flexible coupling with hydraulic bushing

682100000
682100001

680006602
680006601

680006604
680006603

680006606
680006605

680006609
680006608

**The sizes correspond to the hose without ends.*

RIGID COUPLINGS

- **AR-100** Rigid coupling with anti-rust treatment without bushing
- **AR-100B** Rigid coupling with hydraulic bushing

680006700
680006701

HIGH PRESSURE FLEXIBLE COUPLINGS

Ø1/4" high pressure flexible couplings suitable for the pneumatic grease kits.

- **AFP-2** 2.2 m Ø1/4" high pressure flexible coupling
- **AFP-4** 4.5 m Ø1/4" high pressure flexible coupling
- **AFP-6** 6.5 m Ø1/4" high pressure flexible coupling
- **AFP-8** 8 m Ø1/4" high pressure flexible coupling
- **AFP-10** 10 m Ø1/4" high pressure flexible coupling
- **AFP-12** 12 m Ø1/4" high pressure flexible coupling
- **AFP-15** 15 m Ø1/4" high pressure flexible coupling

680007005
680007006
680007000
680007001
680007002
680007003
680007004

Flexible couplings



Rigid couplings



High pressure flexible couplings



CSE-485 · Greaser box



E-5 · Thread greaser



E-10 · Greaser at pressure



E-20 · Long thread greaser



E-25 · 45° greaser



E-30 · 90° greaser



DESCRIPTION

CODE

3.3 GREASERS

CSE-485 · GREASER BOX

808700500

Box with 485 more usual greasers.

Thread	E-5	E-25	E-30
6-100	75	25	25
8-100	50	25	25
1-125	50	25	25
10-100	40	25	25
1/8 GAS	40	25	25
1/4 GAS	20	15	15

E-5 · THREAD GREASERS (EUR/unit)

■ Thread 6-100	Box of 100 units (*minimum shipment)	808700201
■ Thread 7-100	Box of 100 units (*minimum shipment)	808700202
■ Thread 8-100	Box of 100 units (*minimum shipment)	808700203
■ Thread 8-125	Box of 100 units (*minimum shipment)	808700204
■ Thread 10-100	Box of 100 units (*minimum shipment)	808700205
■ Thread 10-125	Box of 100 units (*minimum shipment)	808700206
■ Thread 10-150	Box of 100 units (*minimum shipment)	808700207
■ Thread 12-100	Box of 50 units (*minimum shipment)	808700208
■ Thread 12-125	Box of 50 units (*minimum shipment)	808700209
■ Thread 12-150	Box of 50 units (*minimum shipment)	808700210
■ Thread 12-175	Box of 50 units (*minimum shipment)	808700211
■ Thread 1/4W	Box of 100 units (*minimum shipment)	808700212
■ Thread 5/16W	Box of 100 units (*minimum shipment)	808700213
■ Thread 1/8 GAS	Box of 100 units (*minimum shipment)	808700020
■ Thread 1/4 GAS	Box of 100 units (*minimum shipment)	808700219

E-10 · GREASERS AT PRESSURE (EUR/unit)

■ Pressure 6 mm	Box of 100 units (*minimum shipment)	808700301
■ Pressure 8 mm	Box of 100 units (*minimum shipment)	808700302
■ Pressure 10 mm	Box of 100 units (*minimum shipment)	808700303

E-20 · LONG THREAD GREASERS (EUR/unit)

■ Thread 6-100	Box of 100 units (*minimum shipment)	808700401
■ Thread 1/4 SAE	Box of 100 units (*minimum shipment)	808700415

E-25 / E-30 · GREASERS (EUR / unit)

■ Thread 6-100	*Box of 100 units	
■ Thread 7-100	*Box of 100 units	
■ Thread 8-100	*Box of 100 units	
■ Thread 8-125	*Box of 100 units	
■ Thread 10-100	*Box of 100 units	
■ Thread 10-125	*Box of 100 units	
■ Thread 10-150	*Box of 100 units	
■ Thread 12-100	*Box of 50 units	
■ Thread 12-125	*Box of 50 units	
■ Thread 12-150	*Box of 50 units	
■ Thread 12-175	*Box of 50 units	
■ Thread 1/4W	*Box of 100 units	
■ Thread 5/16W	*Box of 100 units	
■ Thread 3/8W	*Box of 100 units	
■ Thread 1/4 SAE	*Box of 100 units	
■ Thread 5/16 SAE	*Box of 100 units	
■ Thread 3/8 SAE	*Box of 100 units	
■ Thread 1/8 GAS	*Box of 100 units	
■ Thread 1/4 GAS	*Box of 100 units	

E-25 · 45° greaser

808700001
808700002
808700003
808700004
808700005
808700006
808700007
808700008
808700009
808700010
808700011
808700012
808700013
808700014
808700015
808700016
808700017
808700018
808700019

E-30 · 90° greaser

808700101
808700102
808700103
808700104
808700105
808700106
808700107
808700108
808700109
808700110
808700111
808700112
808700113
808700114
808700115
808700116
808700117
808700118
808700119

*Minimum shipment box of 50 and 100 units

DESCRIPTION

CODE

3.4 DUST COVERS AND FOLLOWER PLATES

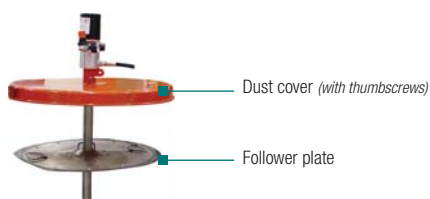
DUST COVERS

- The dust cover is designed to cover the grease drums and protect them from the dust and dirt.
- The cover has a hole where it is possible to fit a pneumatic pump or a suction hose.
- The product is equipped with 7 thumbscrews: 1 to adapt the top hole of the suction tube or hose and the other 6 screws (3 long and 3 short) to fix the cover to the drum.

- **T-20** 365 mm for 20-25-kg drum
- **T-50** 430 mm for 50-kg drum
- **T-200** 600 mm for 200-kg drum

- 680006900
- 680006901
- 680006903

- Placing of the dust cover and the follower plate



Dust cover



FOLLOWER PLATES

- The follower plate is placed into the drum, on the grease level.
- Its purpose is to make the grease level uniformly goes down, emptying the drum and cleaning the grease of its wall.
- It has a central hole to insert a pneumatic pump or a suction hose, a perimetric rubber to be well-adapted to the drum walls and a handle for its easy handling.

- **P-20** Ø265-285 mm drum of 20 kg
- **P-50** Ø350-385 mm drum of 50 kg
- **P-200** Ø550-590 mm drum of 200 kg

- 680006800
- 680006801
- 680006803

Follower plate



GREASE NOZZLES AND JOINTS

GREASE NOZZLES

Metallic supply nozzle, made of steel, to be used on high pressure grease systems or kits. The nozzle must be assembled along with the rotary swivel to avoid twisting of the high pressure hose and to make the greasing point easier at any position.

- **PG-20** - RIGID GREASE NOZZLE
- **PG-25** - FLEXIBLE GREASE NOZZLE

- 24040
- 24030

RG-1 - ROTARY SWIVEL

249900001

Swivel to eliminate the twisting of the high pressure hose.

- Thread MF1/4" GAS (BSP)

RG-3 - TRIPLE ROTARY SWIVEL

249900002

Triple rotary swivel that it is advisable to connect to the grease gun to eliminate the twisting of the high pressure hose and make the greasing easier at any position.

- MF1/4" GAS (BSP) thread

PG-20



PG-25



RG-1



RG-3



DESCRIPTION

CODE

Ø1/4" open or cased hose-reels for many applications, specially suitable for installations. They make easier the fluid supply at any operation point. They can be mounted on the wall, tanks, ceiling or anchored through fixed or adjustable brackets. Heavy-duty metallic construction with movable arms to achieve a best operation at any position of assembly.

OPEN HOSE-REEL FOR Ø1/4" GREASE HOSE (without hose)

■ Capacity up to 15 m

807302000

EG - Open hose-reel with hose



OPEN HOSE-REEL FOR Ø1/4" GREASE HOSE

Open hose-reels that have built in the R1 Ø1/4" grease hose

- EG-06 with 6 m Ø1/4" grease hose
- EG-08 with 8 m Ø1/4" grease hose
- EG-10 with 10 m Ø1/4" grease hose
- EG-12 with 12 m Ø1/4" grease hose
- EG-15 with 15 m Ø1/4" grease hose

807302002
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CASED HOSE-REEL FOR Ø1/4" GREASE HOSE (without hose)

807303000

High resistance cased hose-reel for Ø1/4" grease hose, including the adjustable bracket
- Capacity up to 15 m
- Resistance: 200 bar

EGC - Cased hose-reel



CASED HOSE-REEL FOR Ø1/4" GREASE HOSE

Cased hose-reels that have built in the R1 Ø1/4" grease hose and an adjustable bracket.

- EGC-06 with 6 m Ø1/4" grease hose with adjustable bracket
- EGC-08 with 8 m Ø1/4" grease hose with adjustable bracket
- EGC-10 with 10 m Ø1/4" grease hose with adjustable bracket
- EGC-12 with 12 m Ø1/4" grease hose with adjustable bracket
- EGC-15 with 15 m Ø1/4" grease hose with adjustable bracket

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Adjustable bracket
for hose-reels

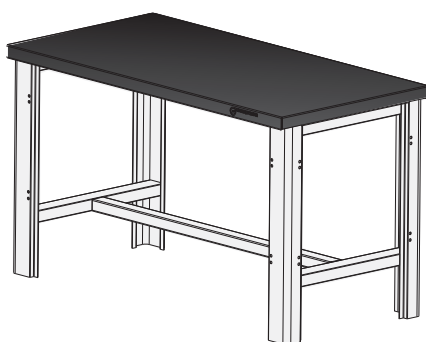
ADJUSTABLE BRACKET FOR HOSE-REELS

24050

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

WORKSHOP EQUIPMENT

STANDARD WORKBENCH



BRICO-1400 · WORKBENCH + PANEL



METALLIC CABINET



→ The sheet turn part of the door is internally protected by the slot panel laterals.

UNIVERSAL SLOT PANEL

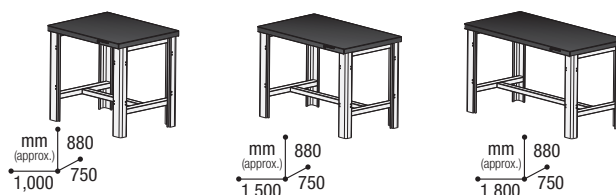


DESCRIPTION

CODE

STANDARD WORKBENCHES

- Modular workbenches available in three different sizes:



- Made of 1.5 and 2 mm DD-11 and DC-01 iron sheet.
- Powder-epoxi coating, kiln drying and with previous submerged part pickling, getting a high quality finish, both in flat surfaces and corners
- Detachable with an easy assembly
- When the user wants it can be enlarged according to their organization requirements.
- It is not necessary to drill the fixations or hinges. The interior of the table has built in the supports and slots to adapt the drawers.

- **BM-1000** · 1,000 mm
- **BM-1500** · 1,500 mm
- **BM-1800** · 1,800 mm

70180
70190
70200

■ Optional:

- Drawer (530x640x180 mm)

701904063

BRICO-1400 · WORKBENCH + PANEL

702600000

- DIY (do-it-yourself) WORKBENCH with a crossbar in its bottom. It has built in a wall slot panel for tool supports, being a good organizer without occupying much space in your workshop.
- Made of DD-11 and DC-01 iron sheet · Thickness: 1 mm the panel and the crossbar and 1.5 mm the table, the legs and the lateral crossbars.
- Powder-epoxy coating. Table and rung in MATT BLACK colour · Panel and legs in GREY colour.
- Easy assembly including the screws. It is not necessary to drill the fixations.
- The legs have a non-slip rubber stopper to avoid scratching the floor.
- It is supplied with 20 hooks.

METALLIC TOOL CABINET

- Three models:

- **AH1000** · 1,000x207x750 mm · Supports included
- **AH1500** · 1,500x207x750 mm · Supports included
- **AH1800** · 1,800x207x750 mm · Supports included

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701904058

- Made of 1 and 1.5 mm DD-11 and DC-01 iron sheet.
- Roller blind doors with METALLIC sheets, with horizontal opening in two sections and key locking
- Interior, frontal and lateral slot panels to hang tool-holder supports, drills, PVC drawers, etc.
- Powder-epoxi coating, kiln drying and with previous submerged part pickling, getting a high quality finish, both in flat surfaces and corners.

UNIVERSAL SLOT PANELS

- Slot panels to hang on the wall. They are suitable to hang home and gardening tools...
- Available in horizontal or vertical format.

- □ **Panel-H** · 1,000x500 mm
- □ **Panel-H** · 1,000x800 mm
- □ **Panel-H** · 1,500x800 mm
- □ **Panel-H** · 1,800x800 mm
- □ **Panel-V** · 500x1,500 mm
- □ **Panel-V** · 800x1,500 mm
- □ **Panel-V** · 500x1,800 mm
- □ **Panel-V** · 800x1,800 mm

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DESCRIPTION

CODE

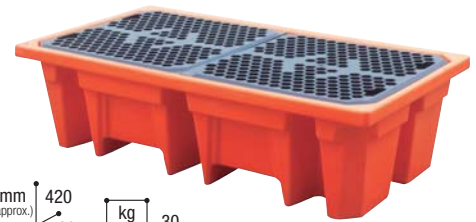
DOUBLE RETENTION SPILL BASIN - 240 LITRES

385905021

- They are essential to store lubricants, fuels, chemical and contaminant substances.
- These retention basins offer an easy and quick protection against spillages of the chemical or oily substances.
- Environment protection against spillages or leaks of the stored substance.
- Ribbed basins for a highest resistance.
- Minimum weight for an easier transport or storage.
- Easy empty and cleaning as these are made of non-corrosive and environment resistant materials. They do not need maintenance.
- Modular design. Interconnected blocks that allow the connexion among different units in order to design a bigger storage space.



Double retention spill basin



Extractable grilles



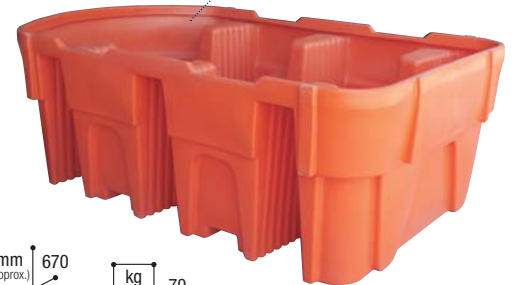
Retention basin



RETENTION BASIN - 1,050 LITRES

385905022

- Material: average density polythene with high structural and chemical resistance.
- 100 % recyclable
- It is adapted to put on it some products like GRG tanks and europallet tanks, i.e. IBC containers.
- Maximum allowable charge: 2 Tm
- Safe: The filling of the smaller recipients with stored substances is made in the basin limits.
- Sealing: It has no type of joints.
- Transport: Design for a easy handling with forklift.



1,050 litre retention basin



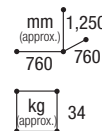
WASTE OIL TANKS

TAU - WASTE OIL TANKS

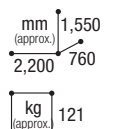
- Sure and efficient oil storage
- Material: Made of strong and lasting polythene. It maintains its colour. They are watertight and resistant to mechanical damages. They do not oxidise.
- Double skin: Protection against spillages
- They do not need retention basins or special couplings.
- Easy and secure use because of its metallic outlined bushing.
- Application: clean points, car parks, service stations, bus and truck parks, garages, freight platforms, ports, shipyards, dumps, industries etc
- Manufactured according to ISO 9001:200 FM no. 57348 regulation

Standard equipment:

- Oil inlet compatible with Camlock 2" coupling (direct connection to a tank)
- Leak Detector
- Maximum level warning
- Special funnel
 - > Capacity up to 20 litres of oil
 - > Metallic filter to avoid the waste inlet
 - > Lock lid



TAU 1000



- TAU 200 · 200-litre capacity
- TAU 600 · 600-litre capacity
- TAU 1000 · 1,000-litre capacity

38400
38401
38402



DESCRIPTION

CODE

AIR SPRAYER

Autonomous portable air kit. It is suitable for automotive workshops and industry, where there is not available the connection to an air system or compressor.

■ **IG-14 · AIR SPRAYER**

24120

- Capacity of 14 litres
- Manometer 0-10 bar

■ **IG-24 · PROFESSIONAL AIR SPRAYER**

24110

- Capacity of 24 litres
- Manometer 0-10 bar
- EC approved
- It has 2 back wheels to make easier its transport.

NP-50 INOX · STAINLESS PRESSURE SPRAY-PRODUCER

24080

Mobile stainless pressure spray-producer suitable for automotive workshops and industry with a tank of 50-litre capacity. It has built in a level indicator and a spray nozzle with expandable spiral hose.

EF-10 · PNEUMATIC BRAKE BLEEDER (2 chambers)

24100

Pneumatic stainless brake bleeder kit with a tank of 10-litre capacity with two inner chambers. It is suitable for automotive workshops and industry.

- It is supplied with:
- 2 plastic bottles of 1 litre
 - 1 flexible delivery hose
 - 1 plastic funnel

.....
 ■ **Optional:**

- Plug with universal support for brake tank (car)

240905000

EFN-10 · PNEUMATIC BRAKE BLEEDER (3 chambers)

24090

Pneumatic stainless brake bleeder kit with a tank of 10-litre capacity with three inner chambers that allow a higher operation autonomy than the EF-10 bleeder. It is suitable for automotive workshops and industry. It has built in a pressure regulator valve calibrated at 10 bar.

- It is supplied with:
- 2 plastic bottles of 1 litre
 - 1 flexible delivery hose
 - 1 plastic funnel

.....
 ■ **Optional:**

- Plug with universal support for brake tank (car)

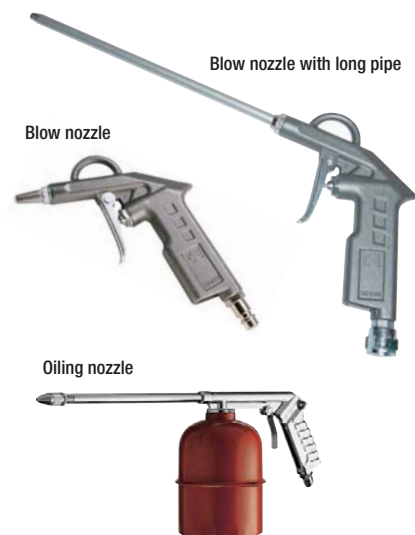
240905000

DESCRIPTION

CODE

5.1 COMPRESSED AIR NOZZLES

BLOW NOZZLE	68250
BLOW NOZZLE (LONG PIPE)	68270
OILING NOZZLE	68280



VERIFIER - SELF-ADJUSTING SPRAYER

<ul style="list-style-type: none"> ■ VIA-10 from 0.5 to 10 bar Hand-operated pressure verifier. It has built in a pressure manometer with shockproof protection and self-adjusting nipple. 	20510
<ul style="list-style-type: none"> ■ EURODAINU from 0.7 to 12 bar Pressure gauge that works with the trigger emptying it through the drain button. High level of accuracy and resistance Approved according to the 86/217/EC Directive. It has built in a self-adjusting flexible nipple. 	20570



TYRE PRESSURE GAUGES

Gauges with a nipple suitable for the car and truck tyres.
Metered in bar and PSI.

<ul style="list-style-type: none"> ■ MP-10 from 0.5 to 12 bar ■ EURODAIRA from 0.7 to 12 bar 	20520 20580
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5.2 PRESSURE REGULATORS-LUBRIFIERS

RP-1 - PRESSURE REGULATOR	801902001
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It keeps the air pressure selected from 0 to 12 bar, eliminating the overpressure risks. It has a regulation handle and an unblocking device. Pump inlet adapter with mains tap. This manometer is graduated in bar and PSI.

- MF1/4" connection



RLP-1 - REGULATOR - GREASER - PURIFIER	801902002
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Regulator kit with filter and greaser combined.

Apart from the same features as the RP-1 pressure regulator, the in-line filters protect the valves and the pump motors or pneumatic tools from breakdowns and wears because of the particles in suspension and the condensation water that there is in the compressed air. The greaser is used so that the component life of an air line and pumps or pneumatic tools substantially improves through the oil injection by Ventury effect in the air supply line.



5 COMPRESSED AIR ACCESSORIES

Open air/water hose-reel



Cased air/water hose-reel



DESCRIPTION

CODE

5.3 HOSE-REELS

OPEN AIR/WATER HOSE-REELS

Automatic air/water hose-reels with hose made of high resistance stainless steel. It has a mobile arm and a device of quick hose collection, improving the operation site and its maintenance as the hose is always collected.

- Inlet thread: 3/8"
- Resistance: 30 bar
- It is suitable for automotive workshops and industry.

- EI-10 with 10 m Ø3/8" hose
- EI-15 with 15 m Ø3/8" hose

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807304002

CASED AIR/WATER HOSE-REEL

Automatic metallic air/water hose-reel of high corrosion resistance. It has a device of quick hose collection, improving the operation site and its maintenance as the hose is always collected.

- Inlet thread: 1/4"
- Resistance: 20 bar
- It is suitable for automotive workshops and industry.

807304003

6 WORKSHOP ACCESSORIES

Steel oilcan



STEEL OILCAN

68230

- Cylindrical oil tank
- Painted steel
- Oilcan volume: 500 cm³
- Dosing tube length: 175 mm

Spill funnel

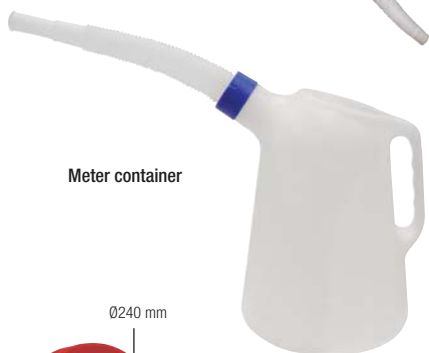


PLASTIC SPILL FUNNEL

46080

- Heavy-duty polyethylene funnel with filter and flexible outlet
- Funnel of Ø225 mm

Meter container

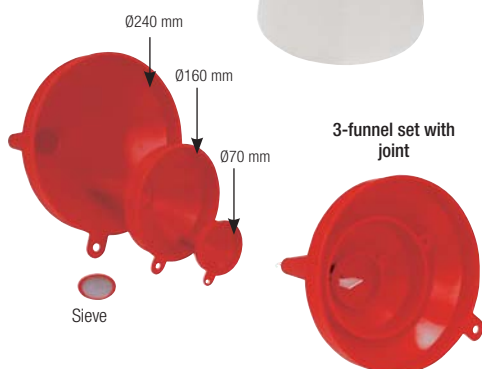


METER CONTAINER WITH FLEXIBLE DOSING TUBE

38280

- Capacity: 5 litres

3-funnel set with joint



PLASTIC FUNNELS

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

- Ø240 mm
- Ø160 mm
- Ø70 mm
- Ø52 mm funnel sieve (Ø240 & 160 mm stainless mesh) of 350 µm (micron)
- 3-funnel joint
- 3-funnel set of different diameter with joint

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