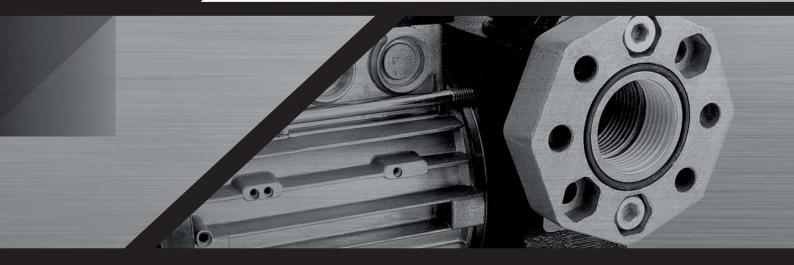
FUEL

ADBLUE/DEF

LUBRICANT

GREASE





Transfer · Filtering · Measurement · Control

Equipment for fuel, lubricant, grease and automotive fluids

General Catalogue V15



TOT COMERCIAL SA, GESPASA's manufacturer, celebrates the 40th anniversary since our first product manufacture.

Our main aim is to detect our customers' requirements, design and manufacture of everything regarding to the fuel and lubricant transfer, filtering, measurement and control.

Our products are designed and manufactured for:

- a quick installation
- an easy and safe use
- reliability and durability
- the environment protection

We really hope this catalogue will be a useful tool for your business and you find on it the solution you are looking for.



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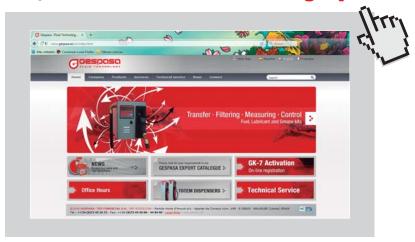
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Updated product list in our web site www.gespasa.es







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)









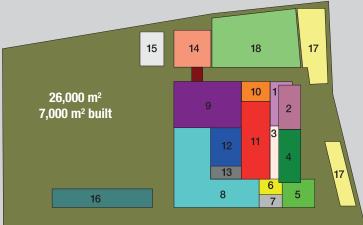














- 1 Showroom
- 2 Training
- 3 Meeting rooms
- 4 Offices
- 5 Plastic injection area6 Prototype test area
- 7 S.A.T.
- 8 Metallic Transformation
- 9 Warehouse

- 10 Laboratory and calibration 11 Assembly area 12 Mechanizing area

- 13 Moulds and tools
- 14 Paint
- 15 Wear test area
- 16 Tank warehouse
- 17 Parking
- 18 «Oxygen» garden





























FUELS

110 VAC

I/min

185 146

IRON-50 230 V





Equivalence box / Flow curves page 72

*Nozzle and hose not included

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

50 I/min 110 or 230 VAC

IRON-50 230 VAC **IRON-50 110 VAC**

00190 00192

CODE

- Self-suction self-priming. Eccentric of self-adjusting blades
- With recirculation bypass
- Suction: 2.7 m · Delivery: 30 m
- Priming pipe suction: 5 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

S-50 230 V · PUMP WITH LITRE METER

Meter

- 3 m electric cable with approved plug
- Anti-rust treatment



Pump

■ Optional accessories (page 59)

• F1" aluminium flange complete kit with DIN.912 Allen screw

Base

800003022

SE-50 230 V with MGE-110 without base



S-50 230 V with metallic base no. 4





			ō	
IRON-50			Universal	Madallia aa d
230 VAC		Without base	support	Metallic no. 4
•	love I	•		
•			•	
•	MG-80 · Mechanical			•
•	000	•		

31594-CF00000 30844-CF00000 30702-CF00000 31612-CF00000

30845-CF00000

30713-CF00000

•	000	•	
•	MGE-110 · Electronic		•

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)

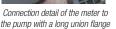
• STAINLESS sieve-filter of 350 µm (micron) Ø33 mm (page 59)

803406072

803406073

800003027

460000003



■ Suction kits (refer to page 58)

KIT EQUIPE



KIT EQUIPE + MG-80

KIT EQUIPE + MGE-110

55050-CF00000

55051-CF00000

Composed of:

- IRON-50 230 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).

- FG-100 transparent microfilter of 2-litre capacity \cdot 5 μ m (micron) \cdot water-repellent

DESCRIPTION CODE

50 I/min 230 VAC

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

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).

55110-CF00000



mm 585 (approx.) 330

620

S-50 Kit + AS-5P cabinet



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			Manual PSF-040	Automatic PA-60 (swivel included)
•	•	Without meter	•	
•	•	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	
			TO TO	
IRON-50 230 VAC			Manual PSF-040	Automatic PA-60 (Swivel included)
•	•	Without Meter	•	
•	•	Without Weter		•
•	•	Mechanical	•	
•	•	MG-80		•
•	•	Electronic	•	
•	•	MGE-110		•

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



50 I/min

110 VAC

230 VAC

12/24 VDC IRON-50 (12 or 24 VDC)

Equivalence box / Flow curves page 72

*Note: Free outlet flow

DESCRIPTION

50 I/min 12 or 24 VDC

IRON-50 12 VDC IRON-50 24 VDC

00001 00011

CODE

- Self-suction self-priming. Eccentric of self-adjusting blades
- With recirculation bypass
- Suction: 2.7 m · Delivery: 20 m
- Priming pipe suction: 5 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 rpn
- 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

The final flow is subject to the accessories and the installation conditions (refer to page 72).



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



S-50 BATTERY · PUMP WITH LITRE METER

Pump		Meter	Base
IRON	1.50		
12 VDC	24 VDC		Metallic no. 4
•			
	•	900	
•			•
	•	Mechanical MG-80	•
•		•	
	•	0.00	
•			•
	•	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

803406072

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

803406073

DIESEL BATTERY KIT 12 or 24 VDC



DIESEL BATTERY KIT 12 VDC DIESEL BATTERY KIT 24 VDC

- 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
- 1" PP adapter
- It is supplied with a printed box.

14193-CF00000 14193-CF00001 DESCRIPTION

50 I/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

Pu	тр	Accessories	Meter	Nozzle	
0					D
12 VDC	1-50 24 VDC			Manual PSF-040	Automatic PA-60 (swivel included)
•		•		•	
	•	•	Without Meter	•	
•		•			•
	•	•			•
•		•		•	
	•	•	0.00	•	
•		•			•
	•	•	Mechanical MG-80		•
•		•		•	
	•	• _	0.00	•	
•		•			•
	•	•	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



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

Pui	тр	Accessories	Meter	Nozzle	
3				The state of the s	6
12 VDC	N-50 24 VDC			Manual PSF-040	Automatic PA-60 (swivel included)
•		•		•	
	•	•	Without Meter	•	
•		•			•
	•	•			•
•		•		•	
	•	•	0.00	•	
•		•			•
	•	•	Mechanical MG-80		•
•		•		•	
	•	•	0.00	•	
•		•			•
	•	•	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



50 I/min

12/24 VDC

230

VAC



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

75 I/min 230 VAC

IRON-75 230 VAC

- Self-suction - self-priming. Eccentric of self-adjusting blades

- With recirculation bypass
- Suction: 2.7 m · Delivery: 30 m
- Priming pipe suction: 5 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 with DIN.912 Allen screw

800003022

CODE

00350

SE-75 + MGE-110 without base



S-75 with metallic base no. 4



mm (approx.) 325 (ap





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



S-75 · PUMP WITH LITRE METER

Pump	Meter			Base		
				0		
IRON-75 230 VAC			without base	Universal support	Metallic no. 4	
•		Mechanical MG-80	•			
•	000				•	
•					•	
•	-		•			
•	0.00	Electronic MGE-110		•		
•		MGE-110			•	

33290-CF00000 33300-CF00000 31931-CF00000

31930-CF00000

33291-CF00000 33301-CF00000

803406074

803406075

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" filter of 350 µm (micron) (page 56)

IRON-75H KIT

75 I/min

230 VAC

DESCRIPTION CODE

75 I/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 x 25x40 mm brackets
 - 2 x M1"x25 PP adapters
 - FF1" brass union

Pump	Accessories	Meter	Nozzle	
				A
IRON-75 230 VAC			Manual PSF-040	Automatic PA-80 (swivel included)
•	•	Without Meter	•	
•	•	Williout Meter		•
•	•	Mechanical	•	
•	•	MG-80		•
•	•	Electronic	•	
•	•	MGE-110		•

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

16008-CF00001

SE-75H KIT + MGE-110

IRON-75V KIT



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 \emptyset 25 mm antistatic double layer delivery hose special for diesel, with adapters in both ends

Pump	Accessories	Meter	Nozzle	
			T	A
IRON-75 230 VAC			Manual PSF-040	Automatic PA-80 (swivel included)
•	•		•	
•	•	Without Meter		•
•	•	Mechanical	•	
•	•	MG-80		•
•	•	Electronic	•	
•	•	MGE-110		•

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

AG-90 12 or 24 VDC I/min 12/24 **VDC** kg nnrox 15,5 mm 175 165 AG-90 12 or 24 VDC

DESCRIPTION CODE

80 I/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

- Self-suction self-priming. Eccentric of self-adjusting blades
- With recirculation bypass
- Suction: 2.7 m · Delivery: 20 m
- Priming pipe suction: 5 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 with DIN.912 Allen screw

800003022

31090-CF00000 31090-CF00001 33120-CF00000

33120-CF00001 30120-CF00000 30120-CF00001 31332-CF00000 31332-CF00001 33180-CF00000 33180-CF00001 30474-CF00000 30474-CF00001

SAGE-90 + MGE-110 without base

The final flow is subject to the accessories and the installation conditions (refer to page 72).

Equivalence box / Flow curves page 72

Note: Free outlet flow



SAG-90 with metallic base no. 4



mm 325 450 375 450

Suction valve with check

valve and filter





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

SAG-90 · PUMP WITH LITRE METER

Pui	mp	Meter	Base		
40					
AG- 12 VDC	-90 24 VDC		without base	Universal support	Metallic no. 4
•			•		
	•		•		
•		000		•	
	•			•	
•					•
	•	Mechanical MG-80			•
			•		
•		0.00			
		0,010			
	•			•	
•		Fi			•
	•	Electronic MGE-110			•

Optional accessories

Suction kit

with anti-siphon valve

FUP-1 filter

• 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" filter of 350 μm (micron) (page 56)

803406074

803406075

35520 35530

35522 35532

DESCRIPTION CODE

80 I/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 \emptyset 25 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 x 25x40 mm brackets
 - 2 x M1"x25 PP adapters
 - FF1" brass union

Pu	тр	Accessories	Meter	Nozzle	
AG					D.
12 VDC	24 VDC			Manual PSF-040	Automatic PA-80 (swivel included)
•		•		•	
	•	•	Without meter	•	
•		•			•
	•	•			•
•	•	•		•	
•	•	•	Mechanical MG-80		•
		•		•	
	•	•	0.00	•	
•	•	•	Electronic MGE-110		•

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



SAGE-90H KIT + MGE-110

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	
AG				T	À
12 VDC	24 VDC			Manual PSF-040	Automatic PA-80 (swivel included)
•		•		•	
	•	•	Without Meter	•	
•		•	maiode motor		•
	•	•			•
•	•	•	000	•	
•		•			•
	•	•	Mechanical MG-80		•
•		•		•	
	•	•	0.00	•	
•		•			•
	•	•	Electronic MGE-110		•

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



80 I/min 230

VAC



15.15 165

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).

100 I/min 230 VAC

AG-100 (1 kW) 230 VAC

- Self-suction - self-priming. Eccentric of self-adjusting blades

- With recirculation bypass
- Suction: 2.7 m · Delivery: 30 m
- Priming pipe suction: 5 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 with DIN.912 Allen screw

800003022

CODE

00360

SAGE-100 + MGE-110 without base



SAG-100 with metallic base no. 4



SAG-100 230 VAC · PUMP WITH LITRE METER

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

31941-CF00000 33311-CF00000 33321-CF00000

31940-CF00000 33310-CF00000 33320-CF00000

■ Optional accessories



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



Suction valve with check valve and filter



- 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" filter of 350 µm (micron) (page 56)

803406074

803406075

35520 35530

35522 35532

AG-100H KIT

DESCRIPTION CODE

100 I/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
 - 1.70 m Ø25 mm hose special for diesel
 - 1" York filter
 - 2 x 25x40 mm brackets
 - 2 x M1"x25 PP adapters
 - FF1" brass union

Pump	Accessories	Meter	Nozzle	
10			B	A
AG-100 230 VAC			Manual PSF-040	Automatic PA-80 (swivel included)
•	•	without motor	•	
•	•	without meter		•
•	•	Mechanical	•	
•	•	MG-80		•
•	•	Electronic	•	
•	•	MGE-110		•

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

16020-CF00000 16020-CF00001

I/min 230 VAC kW SAG-100H KIT SAGE-100H KIT + MGE-110

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

Pump	Accessories	Meter	Nozzle	
AG-100			Manual	Automatic PA-80
230 VAC			PSF-040	(swivel included)
•	•	Without Meter	•	
•	•	Without Meter		•
•	•	Mechanical	•	
•	•	MG-80		•
•	•	Electronic	•	
•	•	MGE-110		•

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



SELF-SUCTION EXPLOSIONPROOF PETROL PUMPS

50 I/min

12/24 **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

50 I/min 230 VAC · 12/24 VDC

IRON-50 Ex 230 VAC

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

10035 10063 10153

CODE

- Self-suction self-priming, explosionproof, eccentric of self-adjusting blades
- With recirculation bypass
- Suction: 2.7 m
- Priming pipe suction: 5 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 \cdot EExd
- With thermal protector IP-55 protection
- Motor zone classification: Il 2G Ex dc IIB T4 Certificate LOM 15ATEX0124
- Operation: S2 30'
- Connection through F1" (BSP) threads and flanges
- ON/OFF switch
- 3 m cable
- Anti-rust treatment

80 I/min





165

+ Equivalence box / Flow curves page 72



BAG-800

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

80 I/min 230 VAC · 12 VDC

AG-800 230 VAC

10040 10070

AG-900 12 VDC

- Self-suction self-priming, explosionproof, eccentric with self-adjusting blades
- With recirculation bypass system
- Suction: 2.7 m
- Priming pipe 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: Il 2G Ex dc IIB T4 Certificate LOM 15ATEX0124
- Operation: S2 30' (230 VAC) · S2 20' (12 VDC)
- Connection: F1" (BSP) threads and flanges
- ON/OFF Switch
- 3 m cable
- Anti-rust treatment

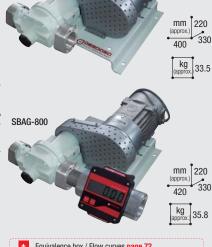


- Optional accessories (page 59)
 - F1" aluminium flange complete kit with DIN.912 Allen screw

800003022

150 I/min





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 I/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: 3.3-5.8 A (230/400 VAC) · 5.7-6.3 A (230 VAC)
- Motor: 1 kW 230/400 VAC 50 Hz Triphase 1 kW 230 VAC 50 Hz Single-phase
- Explosionproof (ATEX)
- 1,410 rpm · With thermal protector
- Operation: S1
- Bypass pressure: 3-3,5 bar
- Motor zone classification: II 2G EEx d IIB T3
- Motor certificate: TÜV IT11 ATEX-012X
- 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.

230

DESCRIPTION CODE

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

800404259 800400011

800003027

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



SA-50 Ex

Universal support

SAG-800A

Metallic base no. 4



Optional accessories

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

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 10101

BDP-200 · F1 1/2" · IP-55

- Flow: 200 I/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 I/min · Power: 2.2 kW
- Recommended tube diameters: suction 3" delivery 3"



BDP-500 · F2 1/2" · EExd

10110

10111

BDP-500 · F2 1/2" · IP-55

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



10130 10131

BDP-1000 · F3" · EExd BDP-1000 · F3" · IP-55

- Flow: 1,000 I/min · Power: 7.5 kW

- Recommended tube diameters: suction 4" delivery 4"
- Motor EExd IIB T4 400/660 VAC 50 Hz · IP-55 protection

DIESEL MOTOR

BDP-500 · F2 1/2" · Diesel motor

10113

BDP-1000 · F3" · Diesel motor

10133









BDP-300





BDP-500





BDP-1000







50 I/min

12/24 VDC







EPAE-50 Ex kit with hose-reel

DESCRIPTION CODE

PORTABLE KITS • 50 I/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 I/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.





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
- Nozzle hanger
- AG-90 12 or 24 VDC self-suction pump · 55 l/min (with Ø1 1/2" suction hose)
- ON/OFF switch
- Connection box for the battery connection cable
- FG-100 · Transparent microfilter of 5 µm (micron)
- MGE-110 · Electronic meter · Accuracy ±0.5 %

MBA A TALADRO

BT-87 CARDBOARD DISPLAY RACK

DESCRIPTION

BT-87 · SELF-SUCTION DRILL PUMP CARDBOARD DISPLAY RACK with 6 BT-87 SELF-SUCTION DRILL PUMPS 00100 00101

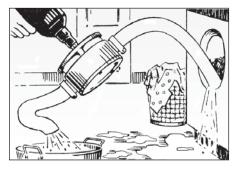
CODE

- 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.

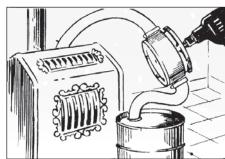
Technical Data:

- 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 I/min (with a drill of 650 W · 2,500 rpm)
- High resistance dry operation









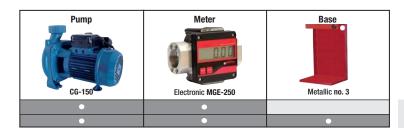
CENTRIFUGAL PUMP

500 I/min

CG-150 230 VAC · 100 to 500 I/min

- Flow according to manometric height: from 100 to 500 I/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)

SCG-150 · PUMP WITH LITRE METER



31720 30970

02050





VAC

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 (I/min)	Pressure (bar)
AF-2012	12 VDC	NBR	2	NO 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 NO	0.25 A	6	4.1
AF-2036 AP	12 VDC	NBR	4	NO	7 A	6,8	6.6

Optional:



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

802705001

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)

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 I/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 I/min (depending on the piston-stroke)

■ TMG-150

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

DESCRIPTION

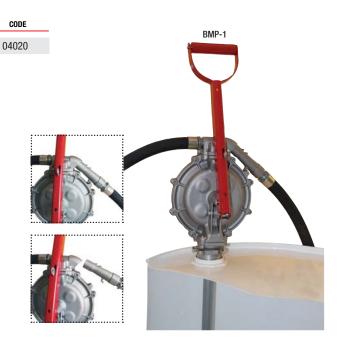
BMP-1 · MANUAL DOUBLE ACTION PISTON PUMP

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: 800 ml 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)

- 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



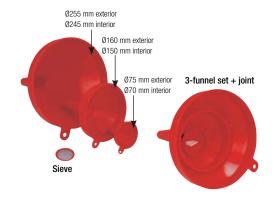
FUNNELS

9

PLASTIC FUNNELS

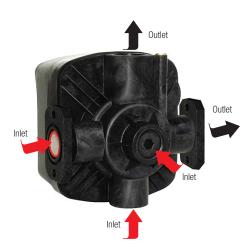
Made of polypropylene, specially suitable for the hydrocarbon and chemical product handling (ask for other liquids).

- Ø255 mm exterior Ø245 mm interior
- Ø160 mm exterior Ø150 mm interior
- Ø75 mm exterior Ø70 mm interior
- Ø50 mm exterior Ø40 mm interior funnel sieve (Ø255 & 160 mm stainless mesh) of 350 µm (micron)
- 3-funnel joint
- 3-funnel set of different diameter with joint



10-90 I/min

±1%







132



DESCRIPTION CODE

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



32000-CF00000 32070-CF00000

- Fireproof measuring chamber with oscillating disc
- Flow: 10-90 I/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 upon request).
- 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 59)
- 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)







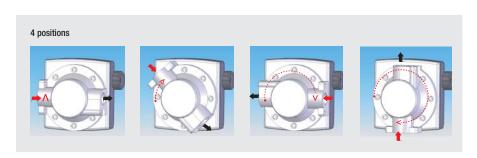


MG-80A · MECHANICAL ALUMINIUM METER
MG-80AV · MECHANICAL ALUMINIUM METER WITH VITON JOINTS



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 I/min
- Accuracy: $\pm 1~\%$
- 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

32350-CF00000

32600-CF00000

- 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: ±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



±0.5%

I/min

±0.5%

123 123

MGE-110

Direct connection through flange to the GESPASA pumps





I/min

10-250

±0.5%

MGF-400



±0.5%

15-400

I/min

I/min

mm kg (approx





30-800 MGI-800

±0.5%

33

MGE-40 · 1/2" · ELECTRONIC GEAR METER

- Flow: 2-50 I/min (diesel) 2-40 I/min (lubricant)

- Max. pressure: 50 bar

- Connection: F1/2"

MGE-110 · 1" · ELECTRONIC GEAR METER

- Flow: 5-110 I/min (diesel) 5-80 I/min (lubricant)

- Max. pressure: 55 bar

- Connection through F1" thread or flange



Optional

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

800003036

32592-CF00000

253400200

543

kg pprox 32



High accuracy







32503-CF00000 32503-CF00001

10-250 I/min (diesel) 10-150 I/min (lubricant)

- Max. pressure: 45 bar

- Connection: F1" or 1 1 1/2" (flange)

*Display and electronics features same as the MGE-110 meter

MGE-400 · 2" · ELECTRONIC GEAR METER

MGE-250 · 1" · ELECTRONIC GEAR METER

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

- Flow: 15-400 I/min (diesel) 15-300 I/min (lubricant)

- Max. pressure: 45 bar

- Connection: F2'

*Display and electronics features same as the MGE-110 meter

MGI-800 · 3" · PULSER · 5.5 pulses per litre and channel

- Voltage: 12 VDC - Flow: 30-800 I/min

- Max. pressure: 45 bar - Connection: F3"

GE · DISPLAY WITH HOSE MODULE

- Electronic 6-digit liquid crystal display with box

±0.5%



DESCRIPTION CODE

GE · DISPLAY WITH HOSE MODULE

253400200

6-digit electronic console with luminous display of liquid crystal which allows to:

- See the partial and total of the supplied volume.
- Connect to different types of meters with pulsers of 1 or 2 channels.
- Preset the volume to be supplied, connecting it to a pump and/or solenoid valve.
- Connect it to an external switch or nozzle holder.
- Connect it to the GK-7M controller through the RS-485 communication bus and the GESPASA communication protocol.

*It is compatible with all the GESPASA meters and pulsers.

· Keypad functions:

TOTAL / EXIT: It shows the Total of the volume: By keeping pressed this key, the display shows the total of the supplied volume.

Press "TOTAL" to cancel the volume preset.

Key $\underline{X10}$: It allows to preset. It increases 10 units each touch. When keeping pressed, it gets automatically increased

Key $\underline{X1}$: It allows to preset. It increases 1 unit each touch. When keeping pressed, it gets automatically increased.

- If the volume is among 0.00 and 9999.99, two decimals are shown.
- If the volume is among 10000.0 and 99999.9, it only has one decimal.
- If the volume is equal to or higher than 100000, no decimal is shown.

DESCRIPTION CODE

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

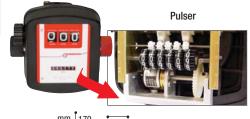


32050-CF00000 32230-CF00000 I/min

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



±1%

mm (approx.) kg (approx.) 1.6

MGE/I-110

MGI-40

GEAR PULSERS WITH ALUMINIUM BODY

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

- Flow: 2-40 I/min · Connection: F1/2"

Dim. (approx.): Ø95x85 mm · Weight (approx.): 0.58 kg

32280

I/min

MGI-110

±0.5%

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

- Flow: 5-110 I/min · Connection: F1" thread or flange Dim. (approx.): 123x90x123 mm · Weight (approx.): 1.1 kg 32650

5-110 I/min

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

MGE-110 meter with pulse output Flow: 5-110 I/min (diesel) 10-150 I/min (lubricant) Connection: F1" thread or flange

Dim. (approx.): 123x90x123 mm · Weight (approx.): 1.2 kg

32602

±0.5%

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

- Flow: 10-250 I/min (diesel) 10-150 l/min (lubricant)

- Connection: F1" or 1 1/2" (flange)

Dim. (approx.): 159x100x141 mm · Weight (approx.): 2.3 kg

32511

32581

MGI-250

10-250 I/min

±0.5%

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

- Flow: 15-400 I/min (diesel) 15-300 I/min (lubricant)

- Connection: F2" (flange)

Dim. (approx.): 193x145x141 mm · Weight (approx.): 4.3 kg

MGI-400

15-400

 $\pm 0.5\%$

I/min

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

- Flow: 30-800 I/min · Connection: F3" (flange) · 12 VDC Dim. (approx.): 543x250x713 mm · Weight (approx.): 31.2 kg 32670



30-800 I/min

±0.5%



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



28.5-32

mm 360 kg pprox 435 383

vehicles. Composed of:

DESCRIPTION

- Chassis made of steel with an special treatment against corrosion. Brilliant epoxy paint finish. Weatherproof

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

- 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 I/min
COMPACT 50M-12	12 VDC	•	PA-60	35-45
COMPACT 50M-230	230 VAC	•	PA-60	40-50
■ COMPACT 75M-230	230 VAC	•	PA-80	65-70
COMPACT 90M-12	12 VDC	•	PA-80	70-80
■ COMPACT 100M-230	230 VAC	•	PA-120	75-85

28110-CF00000 28040-CF00000 28270-CF00000 28190-CF00000 28280-CF00000

CODE



Petrol	Mechanical MG-80V					
COMPACT 50M-12 Ex	12 VDC	•	PA-80	40-50		
COMPACT 50M-230 Ex	230 VAC	•	PA-80	40-50		
■ COMPACT 800M-230	230 VAC	•	PA-80	70-80		

28140-CF00001 28140-CF00000 28150-CF00000

COMPACT-E · ELECTRONIC COMPACT SUPPLY KITS

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

Diesel	Voltage	Meter Electronic MGE-110	Automatic Nozzle	Flow I/min
COMPACT 50E-12	12 VDC	•	PA-60	35-45
COMPACT 50E-230	230 VAC	•	PA-60	40-50
■ COMPACT 75E-230	230 VAC	•	PA-80	65-70
COMPACT 90E-12	12 VDC	•	PA-80	70-80
■ COMPACT 100E-230	230 VAC	•	PA-120	75-85

28240-CF00000 28052-CF00000 28290-CF00000 28250-CF00000 28300-CF00000

COMPACT-GE · ELECTRONIC COMPACT SUPPLY KITS WITH PRESET

Accuracy ±0.5 % · Electronic calibration with gear meter · Total and partial of the supplied litres · Preset of the volume to be supplied · 6-digit luminous display powered at 230 VAC Please refer to GE electronics features (page 34)

Diesel	Voltage	GE Electronics	Automatic nozzle	Flow I/min
COMPACT 50GE-230	230 VAC	•	PA-60	40-50
COMPACT 75GE-230	230 VAC	•	PA-80	65-70
COMPACT 100GE-230	230 VAC	•	PA-120	75-85

28055-CF00000 28295-CF00000 28301-CF00000

±0.5%

COMPACT 50E-12 COMPACT 50E-230 COMPACT 75E-230 COMPACT 90E-12 **COMPACT 100E-230**







COMPACT 50GE-230 COMPACT 75GE-230 COMPACT 100GE-230



kg (aprox.) 17,5-30,5

Pedestal base

Accessories:

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

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

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

^{*} Ask for other versions at 110 VAC and 12 or 24 VDC.

TOTEM-M

DESCRIPTION CODE

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

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 I/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 · Battery-powered Display

Diesel	Voltage	Meter Electronic MGE-110	Automatic nozzle	Flow I/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 GE · ELECTRONIC SUPPLY KITS WITH PRESET

Accuracy ± 0.5 % · Electronic calibration with gear meter · Total and partial of the supplied litres · Preset of the volume to be supplied · 6-digit Luminous display powered at 230 VAC Please refer to GE electronics features (page 34)

Diesel	Voltage	GE Electronics	Automatic nozzle	Flow I/min
■ TOTEM 50GE-230	230 VAC	•	PA-60	40-50
■ TOTEM 75GE-230	230 VAC	•	PA-80	65-70
TOTEM 100GE-230	230 VAC	•	PΔ-120	75-90

27192-CF00000 27282-CF00000 27293-CF00000

Optional:

• FG-100 microfilter kit (TOTEM 50/75/100 inside)

• GENIUS level indicator kit (inside

.....

27231 272400000

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 I/min
■ SM-4680	230 VAC	•	PA-60	40-50
■ SM-8880	230 VAC	•	PA-80	70-80

26610 26522



101101				
■ SM-50080	230 VAC	•	PA-80	40-50
■ SM-80080	230 VAC	•	PA-80	60-70

26540 26560





±1%



STE-80CE

80-130 I/min

0.2%

230/400





STE-80CED



±0.5%



CODE

STE-80CE 230 V · SINGLE-PHASE · SUPPLY KIT (70-80 I/min) STE-80CE 230/400 V · TRIPHASE · SUPPLY KIT (70-80 I/min) STE-130CE 230/400 V · TRIPHASE · SUPPLY KIT (130 I/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 I/min (STE-80CE) · 130 I/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 1 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 \cdot 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 I/min) STE-80CED 230/400 V · TRIPHASE · DOUBLE SUPPLY KIT (70-80 I/min) STE-130CED 230/400 V · TRIPHASE · DOUBLE SUPPLY KIT (130 I/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 two high accuracy hydraulic groups.

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 I/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 1 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)

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)
- 700 VA / 560 W ONLINE UPS

HIGH FLOW SUPPLY KITS

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

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

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.
- Create and configure alarms.
- 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:

- $\mbox{\bf GK} \mbox{\bf \it KSuite}$ (to be installed in one computer)
- GKSuite (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).

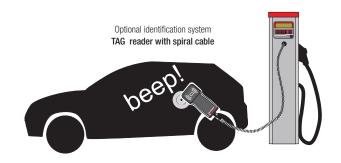
*Refer to compatibilities in page 43.

GK-7 models

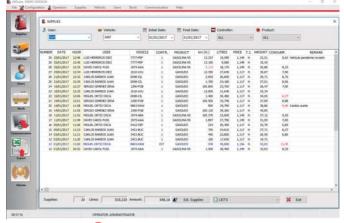
- GK-7 to be connected to a computer through a communication kit (refer to page 40)
- **GK-7M** to control up to **16** dispensers in a simultaneous way (refer to page 40)
- GK-7Plus with GPRS communication and data query through the Internet (refer to page 42)
- GK-7PlusM with GPRS communication and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

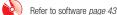






Management and control software





METALLIC CABINET





1,500

435

kg



Identification keys

Identification key reader





PC connection



Protection sunshield



IP-65 external display



GK-7M adjustable display kit



DESCRIPTION

GK-7* + METALLIC CABINET • OWN CONSUMPTION CONTROLLER

2 GK-7* + TOTEM ⋅ OWN CONSUMPTION CONTROLLER

GK-7* + PLASTIC BOX · OWN CONSUMPTION CONTROLLER

25130-CF00000 25136-CF00000 25330-CF00000

FE007002

FE007003

FE006002

FE016001

FE017002

FE017003 FE017004

251201002

800400013

251208003

805001002

803304015

251201004

251201006

251201005

25253-CF00000

25250-CF00000

25331-CF00000

FE007002

FE007003

252504000

252504006

252504005

CODE

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

		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)

(+) 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
- 700 VA / 560 W ONLINE UPS
- · Proximity card
- Magnetic card
- TAG fixed disc identifier for vehicles
- TAG keyring identifier

* 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
 - GK-7M* + TOTEM · OWN CONSUMPTION CONTROLLER
- **3** GK-7M* + *PLASTIC BOX* ⋅ OWN CONSUMPTION CONTROLLER

CONFIGURATION:

2

*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)





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

257180000

257600700

257190000

257600500

257120000

257600200

257160000

257600100

257130000

257600300

257140000

257600400

251208020

251201001

800902001

807609004

257150000

257600600

251208003

251208032

251208001

252208001

251208020

251208046 251208047

257500000

DESCRIPTION CODE

GK-7 & GK-7M COMMUNICATION KITS with GKSuite & GKSuite 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)

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

- 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 + GKSuite SQL or C/S software

COMMUNICATION KIT VIA ZIGBEE-ETHERNET (wireless)

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

- 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 + GKSuite SQL or C/S software

COMMUNICATION KIT VIA MEMORY KEY (iButton)

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

 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. Suite SQL or C/S software

(*Limited to 100 users and 200 services in memory)

COMMUNICATION KIT VIA USB CABLE

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

- It is required a 4x0.25 mm communication cable between the PC and the controller.
- Max. distance: 1000 m

It includes: 485/USB cable converter + GKSuite SQL or C/S software

COMMUNICATION KIT VIA ETHERNET CABLE

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

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 mm 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 + GKSuite SQL or C/S software

COMMUNICATION KIT VIA GSM

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

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 Suite SQL or $\mathsf{C/S}$ software

It is required to have a GSM MODEM in the PC.

GSM MODEM converter for PC

Converters and additional accessories:

- Memory key (red)
- 4x0.25 mm shielded cable (m)
- 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

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

DIESELPLUS COMMUNICATION KIT VIA MEMORY KEY

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)

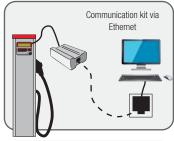






Maximum 100 users and 200 services









Maximum 100 users and 200 services

GK-7Plus · OWN CONSUMPTION CONTROLLER WITH GPRS COMMUNICATION

METALLIC CABINET GHIT Optional mm 410 Thermal printer



Protection sunshield







GK-7M adjustable display kit

Pedestal base

DESCRIPTION

DIESELPLUS

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

CODE

25133-CF00000

25139-CF00000

25332-CF00000

FE006002

FE016001

FE017002

FE017003

FE017004

251201005

25280-CF00000

25283-CF00000

25333-CF00000

FE007002

FE007003

252504000

252504006

252504005

- 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.
- **GK-7Plus* + METALLIC CABINET · OWN CONSUMPTION CONTROLLER**
- 2 **GK-7Plus* + TOTEM • OWN CONSUMPTION CONTROLLER**
- GK-7Plus* + PLASTIC BOX · OWN CONSUMPTION CONTROLLER

CONFIGURATION:

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

USER/VEHICLE MEMORIES

(•) 60-user/vehicle memory (+) 130-user/vehicle memory FE007002 (+) 1,000 user/vehicle memory FE007003

(+) 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) 251201002 • Hexagonal pedestal base (height 1 m) (page 59) 800400013 251208003 · PC memory key converter • 700 VA / 560 W ONLINE UPS 805001002 803304015 · Proximity card · Magnetic card 251201004 • TAG fixed disc identifier for vehicles 251201006
- * For the data query through the Internet it is required to acquire a DieselPlus fee (page 43).

MULTIHOSE

· TAG keyring identifier

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.

- GK-7PlusM* + METALLIC CABINET OWN CONSUMPTION CONTROLLER 2 **GK-7PlusM* + TOTEM · OWN CONSUMPTION CONTROLLER**

GK-7PlusM* + PLASTIC BOX · OWN CONSUMPTION CONTROLLER

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)

Hose control Module up to 16 supply kits Supply kit

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

DESCRIPTION CODE

GKSuite SOFTWARE

GKSuite 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)
- creating and configuring alarms

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



GKSuite C/S (Client-server) MULTIUSER SOFTWARE

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

257600000

670500000

670500100

670500200

670500300

670500400

670500500

- 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.



DIESELPLUS FEES - www.dieselplus.net

- 60-user ANNUAL DIESELPLUS FEE
- 130-user Annual Dieselplus Fee
- 1,000-user ANNUAL DIESELPLUS FEE
- 60-user 5-YEAR DIESELPLUS FEE
- 130-user 5-YEAR DIESELPLUS FEE
- 1,000-user 5-YEAR DIESELPLUS FEE

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 from 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:

(through DieselPlus communication kit via identification key · max.100 users and 200 services)

GK-7M **GK-7Plus**

GK-7PlusM

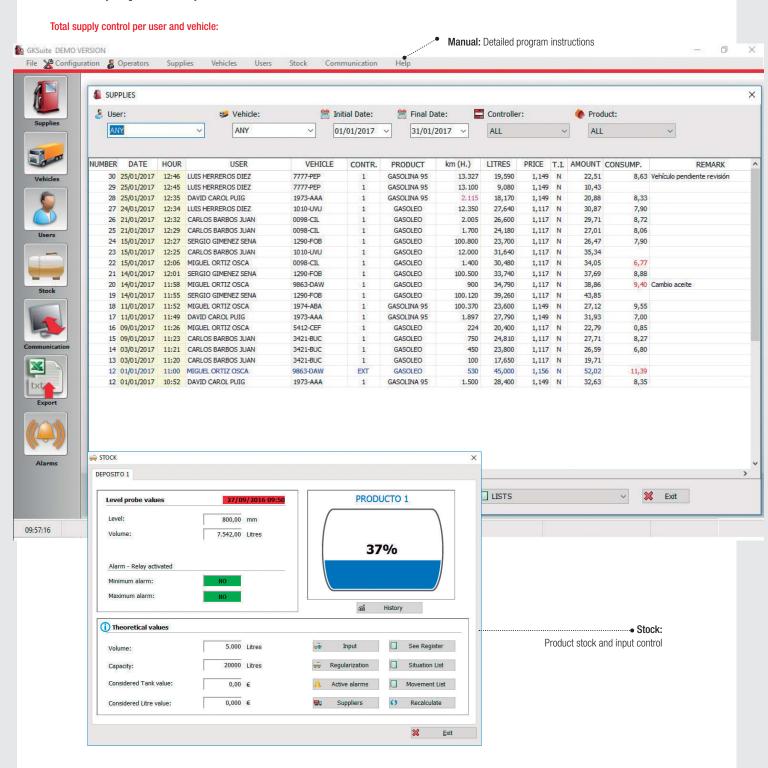
GKSuite SOFTWARE



The software allows to:

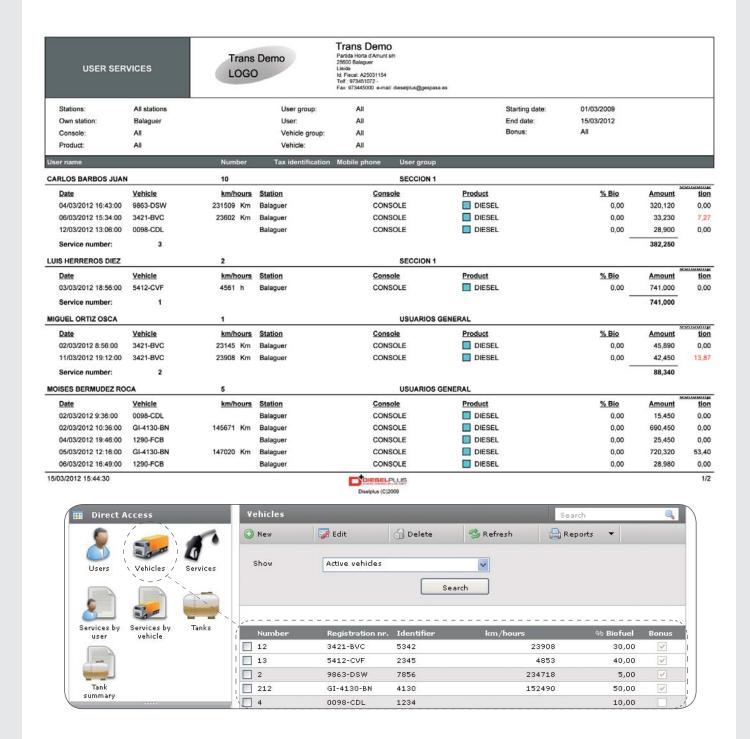
- Control the users and vehicles. It allows to activate or deactivate vehicles and users, create groups, assign limits...
- Display and list the done supplies: between dates, filtered by product, vehicles, users or groups. One or several dispensers.
- Control the mileage / hours and consumption, with indicators and alarm of irregular consumption.
- Control of fuel purchases: input and lists of the done purchases in order to exactly control the fuel prices.
- Tank level: Display of the theoretica or real level of the tanks. Configurable level alarms.
- 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.
- Different user profiles: it is possible to limit the software permission for each user and only assign the tools everyone can see or use.

- Assign limits or amounts per user: not valid for the communication kit with memory key (iButton) or multiconsole installation.
- Create automatic alarms: the PC will send via email or show in the display the configured alarms:
- Alarms of minimum level in the tank
- Alarms of maximum level
- Alarm of a wrong tank emptying
- Filling alarm
- Warnings by date
- Warnings by mileage or hours
- Alarm of wrong input of mileage
- Alarm of irregular consumption
- Alarm of irregular supply

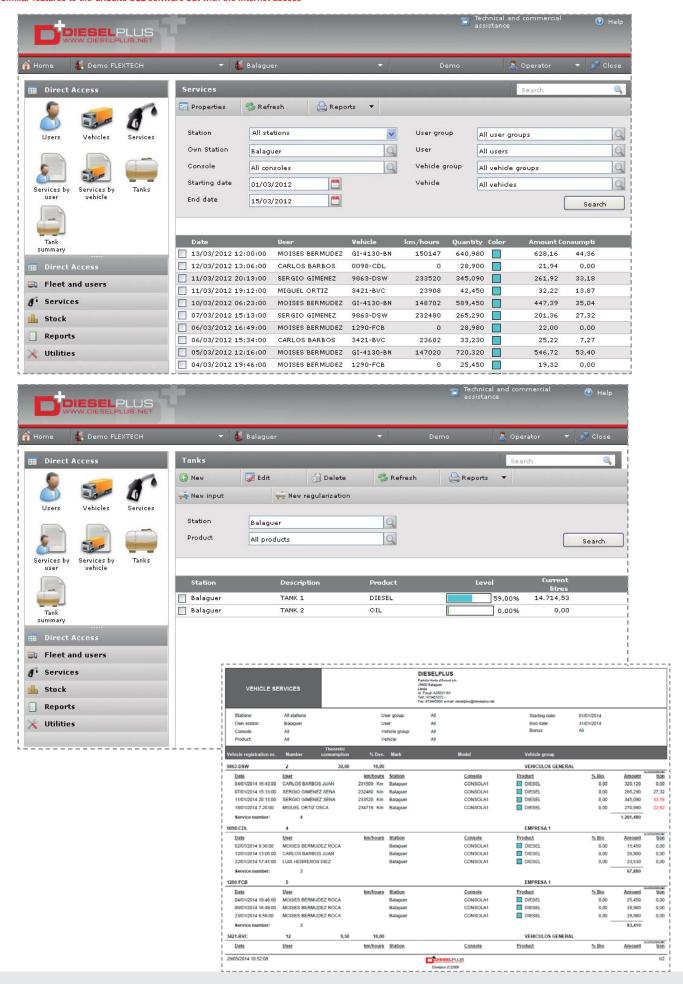


Lists

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...



Similar features to the GKSuite SQL software but with the Internet access



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 \emptyset 19 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*Suite* 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.

PA-120

- Consult the done supplies.
- Consult and regularize the tank stock.
- Configure the communication and other options of the controller.
- Create and configure alarms.

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).

75-85







DESCRIPTION CODE

COMPACT SUPPLY KITS WITH GK-7 CONTROLLER						
Voltage Controller Automatic Flow GK-7 nozzle I/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		

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

CONFIGURATION:

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

230 VAC

USER/VEHICLE MEMORIES

COMPACT 100K-60 230

(•) 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)
- 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).

251201002 800400015 800003029



F1" aluminium flange kit

Pedestal base

COMPACT SUPPLY KITS WITH GK-7Plus CONTROLLER

Diesel	Voltage	Controller GK-7Plus	Automatic nozzle	Flow I/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

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

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

±0.5%

45-90 I/min













DESCRIPTION CODE

TOTEM K · TOTEM PlusSupply 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 I/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-100 microfilter kit (TOTEM 50/75/100 inside)
- · GENIUS level indicator kit (inside)

DISCONTINUED 2724

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

Diesel	Voltage	Controller GK-7Plus	Automatic nozzle	Flow I/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

Optional:

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

251201002 670500000 670500100

FE007002

27231 272400000

GENIUS level indicator kit for TOTEM

Identification keys





DESCRIPTION

SHK · TECNO SUPPLY KITS WITH OWN CONSUMPTION CONTROLLER · EExe/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.

Made of steel. Special interior and exterior treatment against SHK-130C or CD model: 1.5 kW 230/400 VAC ⋅ motor EExd 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 I/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 1 kW 230 VAC · motor EExd with certificate ATEX, single-phase, with IP-55 protection

with certificate ATEX, triphase, with IP-55 protection

CODE

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

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

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

DOUBLE SUPPLY KITS WITH GK-7 OWN CONSUMPTION CONTROLLER

SHK-70CD · 130 USERS · 500 SERVICES · TRIPHASE 70-80 I/min 26410-CF00000 SHK-70CD · 130 USERS · 500 SERVICES · SINGLE-PHASE 70-80 I/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)

26414-CF00000 SH-70PlusD · 130 USERS · 500 SERVICES · TRIPHASE 70-80 I/min SH-70PlusD · 130 USERS · 500 SERVICES · SINGLE-PHASE 70-80 I/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

*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)
- \bullet FG-300/15 microfilter \cdot 15-litre capacity \cdot Microfiltering of 15 μm (micron) (page 54)
- 700 VA / 560 W ONLINE 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**

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.

FE007003 FF006002 FE016001

FE017002 FE017003 FE017004

807610002

26760



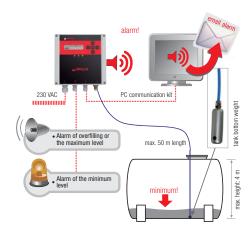




Refer to the COMMUNICATION KITS & SOFTWARE pages 43-46







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.

- 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: ±1 % in height

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.



Valid for diesel and other non-corrosive liquids.

GENIUS-LUBE · 230 VAC

Valid for lubricants of viscosity 30 -1000 cSt.

GENIUS-INOX · 230 VAC

Valid for AdBlue or phytosanitary fluids.

Optional:

- Communication kit via USB CABLE
- Communication kit via ETHERNET
- Communication kit via ZigBee-USB (wireless)*
 Communication kit via ZigBee-Ethernet (wireless)* *max. 200 m in an open area

25737

25731

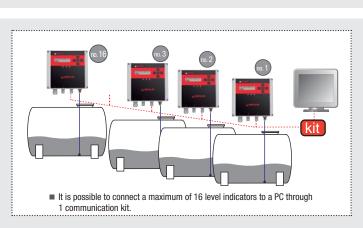
25732

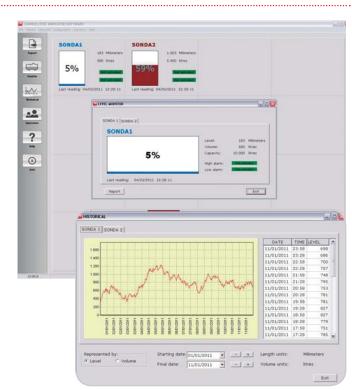
25730

257310000 257330000 257360000









DESCRIPTION CODE

APPLICATION

- The GENIUS MODEM PLUS KIT is the communication kit to be connected to the GENIUS level indicator with the Cloud Software: www.dieselplus.net 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 to connect the gauge
- 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

*It is required to install a SIM card.

It is also required to ask for:

485/USB cable converter

251208032

670800200

DIESELPLUS is the Cloud software that allows the data query and management obtained from the GENIUS level indicator + the GENIUS MODEM PLUS KIT.

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

It is not necessary any software installation because it is an online service. The application can be used from any device connected to the Internet any time.

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

- \cdot 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 users
- · Fluid purchases/inputs in the tanks
- · Suppliers

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, who have their user name and password, will be able to access the DIESELPLUS software from any computer connected to the Internet any time. 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.

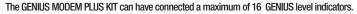
ISSUE OF REPORTS:

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

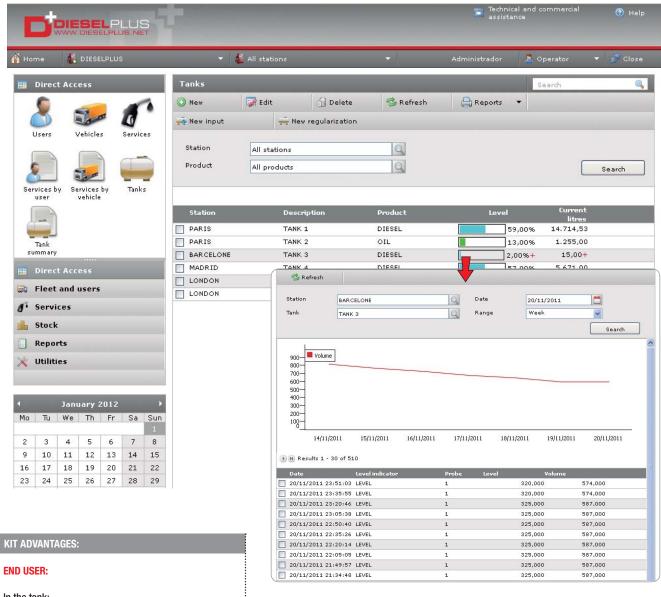
TECHNICAL SUPPORT · via E-MAIL or TELEPHONE:

Direct email or telephone number for the after-sales service in order in order to solve any doubt or incidence.

SOFTWARE >







In the tank:

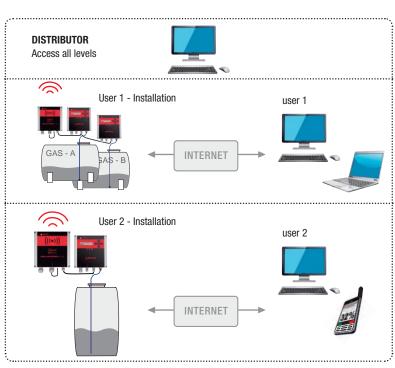
- Continuous level reading
- Digital display that shows the level in the tank
- Configurable acoustic alarm of the minimum level
- Acoustic alarm of overfilling

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



SERIES 5 HOSE-REELS (without hose)

Model	Hose metres	Diameter	Max. pressure
5.10.20	10	3/4"	30 bar
5.15.20	15	3/4"	30 bar
5.20.20	20	3/4"	50 bar
5.20.20 INOX	20	3/4"	50 bar



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



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 10 HOSE-REELS (without hose)

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









Air drain valve Lower drain valve



AFG

FG-300



DESCRIPTION CODE

FG-100 · MICROFILTER

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

FG-100BIO · 25 µm (micron) FG-100G* · 5 µm (micron)

39023 39024 39071

- Transfer capacity: 105 I/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

66050

66051 66053

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

FG-150BIO · 25 µm (micron)

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

- Transfer capacity: 160 I/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 kit of 5 µm (micron) + joints
- Filtering element spare kit of 25 μm (micron) + joints
- Absorbent filtering element spare part kit of 15 μm (micron)

660508001 660508002 660508003

> 66191 66192

FG-300 · ALUMINIUM MICROFILTER

FG-300/50 · 50 µm (micron)

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

- Flow: up to 300 I/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 kit of 15 μm (micron) + joints
- Impact filtering spare part kit of 50 μm (micron) + joints

661908000 661908001

AFG · METALLIC CABINET FOR FILTER

DESCRIPTION CODE

*Optional with cartridge of 50 µm (micron) not absorbent (ideal for biodiesel)

Composed of 2 units FG-300 in parallel · Flow: 700 I/min · F3" flange

FG-700 · Water absorbent aluminium microfilter · 15 µm

FG-1000 · Water absorbent aluminium microfilter · 15 μm 66260

*Optional with cartridge of 50 µm (micron) not absorbent (ideal for biodiesel)

Composed of 3 units FG-300 in parallel · Flow: 1,000 l/min · F4" flange

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.

Diesel Petrol FG-300x2 FIXED FILTERING KIT - 50 / 15 µm absorbent - 300 l/min

FG-300x2 MOBILE FILTERING KIT · 50 / 15 µm absorbent · 300 l/min FG-700x2 FIXED FILTERING KIT • 50 / 15 µm absorbent • 700 l/min

FG-1000x2 FIXED FILTERING KIT \cdot 50 / 15 μm absorbent \cdot 1000 l/min

Composed of:

- 1 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

FG-300x2 300 I/min



FG-700x2



FG-1000x2



FIXED AND MOBILE FILTERING KITS WITH PUMP

Diesel

FG-300x2 MOBILE FILTERING KIT with BAG-800 TRIPHASE PUMP FG-300x2 MOBILE FILTERING KIT with BAG-800 SINGLE-PHASE PUMP FG-300x2 FIXED FILTERING KIT with BAG-800 TRIPHASE PUMP FG-300x2 FIXED FILTERING KIT with BAG-800 SINGLE-PHASE PUMP

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 kit of 15 μm (micron) + joints
- Impact filtering spare part kit of 50 μm (micron) + joints

FILKIT • FG-100x2 + IRON-50 230 VAC • 25 / 5 μm

Mobile filtering kit composed of:

- IRON-50 230 VAC · 50 I/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



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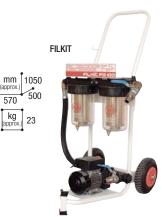
66270

662708000









kg approx.





FUP-1 filter



Transparent



Check valve + York base filter



Multivalent vessel filter



Self-cleaning lower filter

"Y" brass filter



DESCRIPTION

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

802700001 **CHECK VALVE WITH OR WITHOUT YORK BASE FILTER** with filter

805600001

805600002

805600003

805600004

805600005

805600006

805600007

805600008

- 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
- **ALUMINIUM VESSEL FILTER · 5 bar FF1/2'**

1" MULTIVALENT VESSEL FILTER

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

FF3/8" TRANSPARENT VESSEL FILTER

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

802700006 without filter 805601009 805601002 805601003

CODE

802700004

802700005

802700003

802700002

805601004 805601005 805601006 805601007

805601008 802702001

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802705001

"Y" BRASS FILTERS

SELF-CLEANING LOWER FILTER

802701006 802701004 802701003

802701002

«BREAKAWAY» FIREPROOF VALVES



3/4'

0.230

1"

kg 0.320 when there was a strong pull. The double seat valve automatically stops the fuel flow, limiting any fuel spillage and protecting the supply kit.

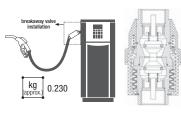
The breakaway valves are designed to be installed in fuel supply hoses and they will be separated

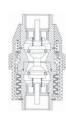
802 «BREAKAWAY» VALVE • BSP 3/4"xBSP 3/4" • 0-60 I/min **804 «BREAKAWAY» VALVE •** BSP 1"xBSP 1" • 0-120 I/min

805604016 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.

Reconnectable 3/4"









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



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

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

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

805604019 805604026

- 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 I/min
- Working pressure: 2 bar

PT-60

PSF-040

AdBlue

DESCRIPTION CODE

MANUAL NOZZLES

PT-60 · MANUAL NOZZLE

- Flow: 60 I/min
- Connection: F3/4"
- Made of polyamide 6 -15 % Fibreglass
- Maximum pressure: 2 bar
- NBR joint

PSF-040 · MANUAL NOZZLE



- Connection: F1" rotary swivel
- Made of aluminium
- Maximum pressure: 3 bar
- Trigger fixation
- Curved aluminium end

PE-010 · MANUAL NOZZLE

- Flow: 300 I/min
- Connection: F1 1/2"
- Made of aluminium
- Maximum pressure: 3 bar
- Trigger fixation

AUTOMATIC NOZZLES

PA-60UPP + swivel · AUTOMATIC NOZZLE FOR ADBLUE/DEF



47292

47010

47030

47061G

- Materials of construction: PP, stainless steel, Viton
- Flow: 12-45 I/min
- Inlet connection: BSPP1"
- Automatic nozzle with safety cut out valve
- Maximum pressure: 4 bar

PA-60 · AUTOMATIC NOZZLE



47200G

Aluminium body for diesel with plastic cover, ergonomic design, 3-position progressive flow regulation with automatic cut.

- Flow: 60 I/min
- Connection: F3/4"
- Trigger fixation
- Maximum pressure: 4 bar

PA-80 · AUTOMATIC NOZZLE FOR DIESEL

PA-80 · 3/4" · AUTOMATIC NOZZLE FOR UNLEADED PETROL





47210G 47251 47254

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.

- Flow: 80 I/min
- Connection: F1" swivel (diesel) black nozzle
- Connection: F3/4" or 1" swivel (unleaded petrol) green nozzle
- Trigger fixation
- Maximum pressure: 4 bar

PA-120 · AUTOMATIC NOZZLE



47220G

804503007 804503001

804503002

- Flow: 120 I/min
- Connection: F1" swivel
- Trigger fixation
- Maximum pressure: 4 bar

PA-140 · AUTOMATIC NOZZLE



- Connection: F1" swivel
- Trigger fixation
- Maximum pressure: 4 bar

PA-250 · AUTOMATIC NOZZLE

- Flow: 200 I/min
- Connection: M1 1/2" swivel
- Trigger fixation
- Maximum pressure: 4 bar

Optional accessories:



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

47230G







Suction/Delivery hoses



Detail of the hose end with adapter









DESCRIPTION

SUCTION & DELIVERY HOSES

ANTISTATIC DOUBLE LAYER HOSES (m)

. Ø19 mm hose special for diesel

. Ø25 mm hose special for diesel

Ø30 mm hose special for diesel

■ Optional: - To put adapters in both ends

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

■ 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

• Ø25 mm Springwel black suction hose

SPRINGWEL BLACK SUCTION HOSES (m)

• Ø30 mm Springwel black suction hose

• Ø40 mm Springwel black suction hose

SPRINGWEL TRANSPARENT SUCTION HOSES (m)

• Ø25 mm Springwel transparent suction hose

• Ø30 mm Springwel transparent suction hose

• Ø40 mm Springwel transparent suction hose

• Ø20 mm Springwel transparent suction hose

803400005 803400001 803400003 803400002

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35552

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CODE

803401105

803401001

803403003

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803403005

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803401007

803401010

472102012

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472102015

472102016

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803400012

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

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

 \bullet Suction kit with check valve and 1 1/4" filter \cdot 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

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

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

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 with DIN.912 ALLEN screw

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.

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

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

Plastic adapter



Ferrule





Brass adapter



Union flange





Aluminium flange kit





Nozzle hanger with and without micro-switch





Pedestal base



Universal support

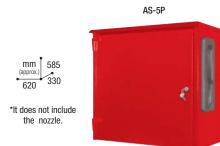




Polythene tank platform







DESCRIPTION CODE

UNIVERSAL SUPPORT

Zinc-plated sheet support to fix the pumping kits in the polythene tanks of 1,000 litres "with metallic

It can also be fixed on the wall.

framework" and the steel double wall tanks.

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	392	300	325	6

800400001 800400011

800400002

800404259

POLYTHENE TANK PLATFORM

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

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

55070 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.

• 1½" Angle check valve • M2" or F1½" INLET • F1½" OUTLET

• 2" Angle check valve

805603011 805605002

Anti-siphon valve

1½" Angle check valve 2" Angle check valve kg (aprox.) 1.6

1" fire cut-off valve

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-IPO4" (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



Charging hole

Acoustic overfil alarm

F4" overfill valve

FIRE CUTOFF VALVES

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

801900005 801900004

CHARGING HOLES

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

800600001 800600002 800602001

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

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

801904013

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.



DESCRIPTION

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



INTEGRALLY-BUNDED 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	

CODE





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.



DESCRIPTION CODE

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

34170-CF00000

801901001

808316013

- Self-suction pump of 230 VAC \cdot 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-estinguisher, 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 dismounting 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



■ Optional:

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

LEVEL INDICATORS

30

1 1/2" LEVEL INDICATOR

- 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

- 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)









FM9000

included



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

38413

FUELTANK SLIM-4000 · 4,000-litre capacity

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

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

16030-CF00000 16031-CF00000

COMPACT 50E-230 in AS-2

COMPACT 75E-230 in AS-2

*Refer to features and optionals in page 36

28291-CF00000 28540-CF00003

28640-CF00003

28053-CF00000

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

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

*Refer to features and optionals in page 47

Optional:

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

DESCRIPTION CODE KIT-3000

- 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: welded support structure, manifold in manhole and vacuum leak system.
 External non-corrosive finish, white polyurethane with special outdoors bright.
- 400 mm vent valve set
- 2" T valve or fireproof valve with built-in grid
- 1" suction set
- Vk-80 3" brass charging hole with chain in the cover
- Measuring system: level indicator with guide tube or slide
- Overfill alarm
- Pressure relief valve
- 1" adjustable anti-siphon valve

2. Crash-proof frame

- Metallic structure that protects the tank against crashes; it has a stair to access the manhole with a non-slip flat and a security rail (in tanks higher than 3,000 litres)
- Extinguisher
- Nozzle hanger

■ Optional:

- Mechanical or electronic COMPACT Supply kits for the diesel supply and measurement and possibility of the GK-7 fleet controller installation
- There is the option of fitting additional elements or modifying those that already has under the customer's request in order to be used for an specific use whenever it complies with the applicable regulations.
- Installation of other pumping kits of different flows (e.g. 50/80/150 l/min), more or less number of delivery hose metres, different types of nozzles and filtering elements
- FG-100 · Transparent microfilter · 2-litre capacity · Microfiltration of 5 μm (micron)
- 4" overfill valve from the KIT-5000 litres



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

* Supply kit not included

CYLINDRICAL GRG (*ask for it)



RECTANGULAR GRG



BASIC TRAILER (dim. AxB approx.) up to 500 litres · 1,650x1,150 mm up to 1,000 litres · 2,500x1,300 mm



CASED TRAILER (dim. AxBxC approx.) FUEL up to 500 litres · 1,650x1,150x1,050 mm FUEL BOX up to 500 litres \cdot 2,100x1,330x1,100 mm SPECIAL FUEL BOX up to 1,000 litres \cdot 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
- They are made of ST 44-2 carbon steel and finished with Epoxy paint, with inner "bulwark" and
- * Supply kit customisation according to the customer's needs

RECTANGULAR

Model	Capacity (litres)	Dim. AxBxC approx. (mm)	Weight (approx.) (<i>kg</i>)	
■ 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 · up to 500 litres · with brake BASIC TRAILER • up to 1,000 litres • with brake 35290 35430

- Galvanized trailers, with lateral protection rail, 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 35300 35310

SPECIAL FUEL BOX TRAILER - up to 1,000 litres

35311

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... big wheels and "jockey" move wheel.
- These trailers needs to be registered and an own insurance.
- * Supply kit customisation according to the customer's needs

GRG SUPPLY KITS



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



SUPPLY KIT composed of:

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

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



11820-CF00000

11820-CF00001

11830-CF00000

11830-CF00001



GRG inner with supply kit



TRUCKTANK SUPPLY KITS 31.1

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

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

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

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

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

























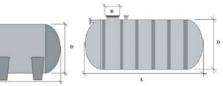








CYLINDRICAL POLYESTER TANKS



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)
I	■ A700	700	1,105	660	1,395	400/72
I	■ 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

808313003

808313006

808313004

808313005

808313001G

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



4" spill container with steel cover



4" spill container with fibre cover





MANHOLE CONTAINER PLUS MANHOLE CONTAINER

- 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
- 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

28.5 - Seals: Bi

DESCRIPTION CODE

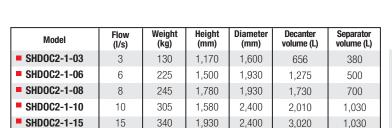
HYDROCARBON SEPARATORS

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



801905003	
801905004	
801905005	
801905006	
801905007	

Model	Flow (I/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

808313002



DECANTERS / SAND TRAPS

Model	Weight (kg)	Height (mm)	Diameter (mm)	Volume (L)	
■ DB2/1000	33	1,360	1,160	1,000	801905009
■ DB2/1500	52	1,220	1,550	1,500	801905010
■ DB2/2000	62	1,500	1,550	2,000	801905011
■ DB2/3000	99	1,500	1,930	3,000	801905012
■ DB2/4000	129	1,840	1,930	4,000	801905013
■ DB2/5000	149	2,180	1,930	5,000	801905014
■ DB2/6000	180	1,880	2,400	6,000	801905015
■ DB2/8000	340	2,450	2,400	8,000	801905016
■ DB2/10000	350	2,910	2,400	10,000	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















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

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

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 I/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 (overfill 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

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.
- Pneumatic extractor with 2-extraction positions per probe
- It also allows the emptying / pressure conservation in its inner in order to suction/empty where there is no air intake.
- 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, tared at +1.5 bar
- Sealed valve that regulates the air inlet, tared at 0.9 bar
- It has an air hose connection.
- Minimum pressure: 6 bar
- Required air pressure of 200 I/min at 6 bar or suctioned flow of 400 I/min

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 \cdot 1.5 m Ø8x6 mm tank extraction tube \cdot chassis with a handle

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)

DESCRIPTION CODE

Diesel Pe

48020

LGN-200 · PNEUMATIC MULTI-USE EXTRACTOR-DECONTAMINATOR

 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 metering it.
- It allows the vacuum / pressure conservation in its inner to extract/empty where there is not any air intake.

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, tared at 0.5 bar
- Sealed valve that regulates the air inlet, tared 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 \cdot Tank for the extracted fuel of 200-litre capacity \cdot Transparent vessel of 10-litre capacity \cdot Lower valve for the total empty of the tank \cdot Level indicator \cdot MGE-40 electronic gear meter \cdot PA-60 automatic petrol nozzle \cdot 2 Ø8x16 mm tank extraction tube of 1.5 m \cdot 2 Ø12x9 mm tank extraction tube of 1.5 m \cdot 4 m Ø20 mm transparent hose \cdot 5.5 m transparent hose with 1/2" metallic galvanised lance \cdot chassis with a handle and wheels



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)



USE GUIDE



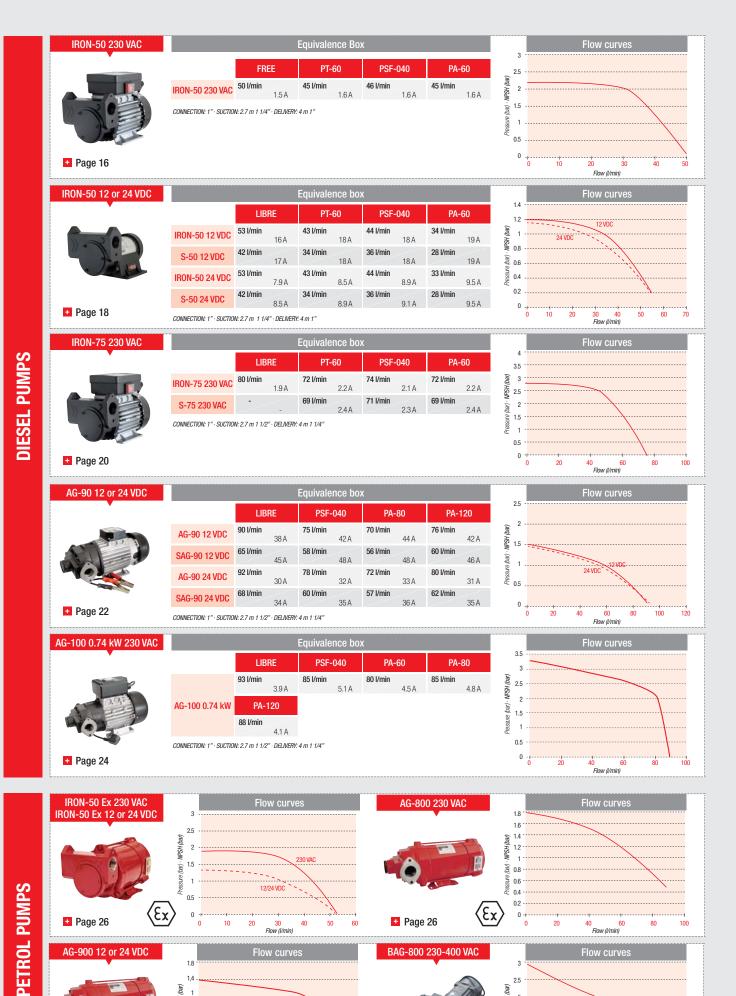
Switch it on the air inlet until getting the exact pressure.



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



It suctions the impurities of the tank bottom.



0 60 Flow (I/min) $\langle \epsilon_x \rangle$

Page 26

60 80 100 120 140 160 Flow (l/min)

 $\langle \epsilon_x \rangle$

Page 26

AdBlue/DEF



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-30 230 VAC self-priming diaphragm pump \cdot 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: ±0.8 %
- 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	19071
AD-200A Kit	BD-30	Automatic PA-60U	200-litre drum	19091
AD-1000M Kit		Manual PT-60	1,000-litre tank	19081
AD-1000A Kit		Automatic PA-60U	1,000-litre tank	19101
AD-CDSM Kit	88	Manual PT-60	1,000 litres - CDS 3	19121
AD-CDSA Kit		Automatic PA-60U	1,000 litres - CDS 3	19111
				1
SADE-200M Kit	SBD-30	Manual PT-60	200-litre drum	19011
SADE-200A Kit	- 10	Automatic PA-60U	200-litre drum	19031
SADE-1000M Kit		Manual PT-60	1,000-litre tank	19021
SADE-1000A Kit		Automatic PA-60U	1,000-litre tank	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







SUCTION KIT FOR DE 1,000-LITRE TANKS Bung adapter — Adapter plug Telescopic tube Adapter plug to avoid the dust and impurity inlet in the tank.



1.1 PUMPS

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

02231 02240

- Flow: 30 I/min
- Motor: 0.37 kW 230 VAC 50/60 Hz · self-ventilated or 0.18 kW 12 VDC
- 1,750 rpm
- Operation: S2 20'
- IP-55 Protection · ON/OFF switch
- Inlet/outlet: F3/4"
- 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

800404259

BRM-U · ROTARY PLASTIC PUMP

1.2 MECHANICAL METER

MG-80 · MECHANICAL METER

32000-CF00000

- Fireproof measuring chamber with oscillating disc
- Flow: 10-90 I/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

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 I/min · F1" · Accuracy ±0.8 %

32690-CF00000

MGE-110BLUE • 10-110 I/min • F1" • Accuracy ±0.8 %

32642-CF00000

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

32610-CF00000

1.4 PULSERS

MGI-40BLUE · 4-40 I/min · F1" · Accuracy ±0.8 %

32700

Two channels: 98 ±2 % pulses per litre and channel

MGI-110BLUE • 10-110 I/min • F1" • Accuracy ±0.8 %

32630

Two channels: 41 \pm 2 % pulses per litre and channel

MGI-400BLUE • 20-400 I/min • F2" • Accuracy ±0.8 %

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

32620

Two channels: 5.5 pulses per litre and channel

32641

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

1.5 NOZZLES

PT-60 · MANUAL NOZZLE

47010

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

PA-60UPP + SWIVEL · AUTOMATIC NOZZLE



47292

- Materials of construction: PP, stainless steel, Viton
- Flow: 12-45 I/min
- Inlet connection: BSPP1"Some other model- Automatic nozzle with trigger with safety cut out valve
- Max. pressure: 4 bar



MGE-40BLUE











COMPACT AND TOTEM SUPPLY KITS FOR ADBLUE/DEF

COMPACT BLUE BD-30E









TOTEM BLUE BD-30E TOTEM BLUE GE



COMPACT BLUE BD-30K



DESCRIPTION

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

- Flow: 30 I/min
- BD-30 self-priming diaphragm pump (page 74)
- MGI-40Blue electronic gear meter · Accuracy ±0.8 % (page 75)
- 4 m Ø19 mm delivery hose special for AdBlue/DEF
- PA-60U automatic nozzle
- Nozzle hanger with automatic switch for the pump starting and stop

COMPACT BLUE BD-30E 230 VAC

19670-CF00000

CODE

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

COMPACT BLUE BD-30GE 230 VAC WITH LITRE PRESET

19672-CF00000

- Supply kit with 6-digit luminous display that allows the preset of the volume to be supplied
- Electronics powered at 230 VAC
- Please refer to electronics features in page 34

TOTEM BLUE BD-30E 230 VAC

19700-CF00000

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

TOTEM BLUE BD-30GE 230 VAC WITH LITRE PRESET

19703-CF00000

- Supply kit with 6-digit luminous display that allows the preset of the volume to be supplied
- Electronics powered at 230 VAC
- Please refer to electronics features in page 34

TOTEM BLUE GE 230 VAC WITH LITRE PRESET *without pump

19704-CF00000

- Supply kit with 6-digit luminous display that allows the preset of the volume to be supplied
- Electronics powered at 230 VAC
- Please refer to electronics features in page 34

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 \cdot 60 users \cdot 200 services in memory COMPACT BLUE BD-30K 230 VAC \cdot 130 users \cdot 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)

-

3.1 BLUE KITS

3,000-LITRE HORIZONTAL BLUE-KIT

5,000-LITRE HORIZONTAL BLUE-KIT

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



Size and weight (approx.)

· 3,000 BLUE-KIT

38927

2,200x1,500x1,900 mm · 230 kg

· 5,000 BLUE-KIT

2.300x1.900x2.030 mm · 375 kg

Optional:

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

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

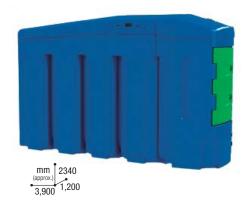
3.2 BLUETANK

BLUETANK SLIM-4000 · 4,000-litre capacity

- 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



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-Blue pulser · Accuracy ±0.8 % · 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



STANDARD



*Corporate image customisation

*Ask for other available models





TRUCKTANK BLUE FT200

TRUCKTANK BLUE FT420

38423 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

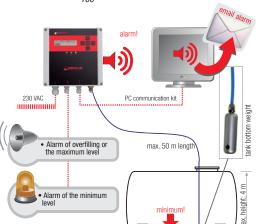
807303051

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

6 GENIUS

GENIUS-INOX · LEVEL INDICATOR





kg approx.) 2.50

GENIUS-INOX · 230 VAC · LEVEL INDICATOR

25732

APPLICATION

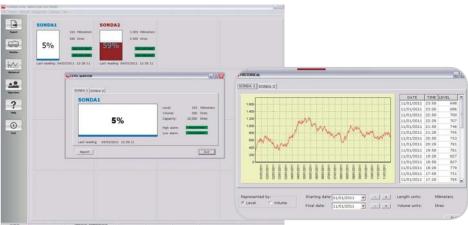
- GENIUS is a level monitor in atmospheric tanks.
- The level measurement is made measuring the static pressure of the liquid height through a tube into the tank.
- It allows measuring the level in rectangular and cylindrical, horizontal or vertical tanks with a maximum height of 4 m.
- Level reading 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

Optional:

Communication kit via USB CABLECommunication kit via ETHERNET

257310000



LUBRICANT

25 I/min 230 VAC

DESCRIPTION

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 I/min

- It is suitable for lubricants of maximum 200 cSt viscosity.

- With recirculation bypass system
- Suction: 2.5 m · Delivery: 40 m
- Flow: 20-25 I/min (SAE-20/50 W at 25 °C)
- Motor: 0.37 kW 230 VAC 50 Hz single-phase \cdot 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

03070

CODE

03000

0.74

EA-88 (0.74 kW)

10

mm 190 260 160

EA-88 (0.37 kW)



190

kg pprox. 13.2

Flow curves

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

- It is suitable for lubricants of maximum 350 cSt viscosity
- With recirculation bypass system
- Suction: 2.5 m · Delivery: 40 m
- Flow: 20-25 I/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-40



EA-88 with pressure switch

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

31202

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

03110 03080

030003001

8035000020

31201

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)

I/min

0.37

DESCRIPTION

25 I/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



03014 03090

CODE

- It is suitable for lubricant transfer with average/low density

- With recirculation bypass system
- Suction: 2.5 m · Delivery: 40 m
- Flow: 20-25 I/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 pressure: 5-6 bar
- Inlet/outlet tube: 1/2" GAS (BSP)
- With clamps for 12 or 24 VDC battery connection with 2 m of cable



the installation conditions. SEA-90

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

030003001

Optional:

• Pump support handle (page 100)



50-55 I/min 230 VAC

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

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 I/min with SAE-10/30W
- Motor: 2.2 kW 230 VAC single-phase or 230/400 VAC triphase \cdot 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)

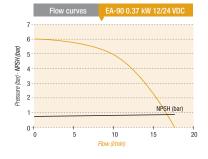


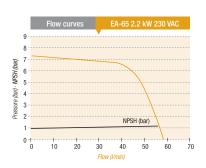
Flow curves

*Note: Free outlet flow

The final flow is subject to the accessories and the installation conditions.

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









DESCRIPTION

33-83 I/min 230 VAC

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



24130

CODE

- Maximum suction height: 3 m

- Flow: 33 I/min

- Motor: 1.49 kW 230/400 VAC Triphase · IP-55 protection
- Consumption: 5.3 / 3.1 A
- 1.500 rpn
- Max. pressure: 11 bar (adjustable through the bypass valve)
- Max. working temperature: 130 °C
- Suction/delivery pump diameter: 1" GAS (BSP)



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



24150

- Maximum suction height: 4 m

- Flow: 50 I/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 (2.98 kW) 230/400 VAC TRIPHASE · 83 I/min · 1 1/4"



24160

- Maximum suction height: 4 m

- Flow: 83 I/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)

2

«BEDPLATE» SELF-SUCTION GEAR PUMPS FOR LUBRICANTS









- 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 I/min · 1 1/4"

24170

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

24180

BEA-330 400/660 VAC · 330 I/min

24191

BEA-1000 400/660 VAC · 1000 I/min

24200

Ask for other flows.

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

"Y" BRASS FILTERS

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

FGR-25 · HEATER FILTER

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 I/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

04010

04020

04030

802700004

802700005

802700003

802700002

802700001

802700006

802701006

802701004

802701003

802701002

66080



MANUAL PUMPS

4

BP-5 · MANUAL LEVER PUMP

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

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: 800 ml per stroke
- Inlet: 1" (NPT)
- Outlet: 3/4" (NPT)
- 2.5 m $\emptyset 3/4$ " 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

- 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:
- \cdot body: tempered aluminium alloy
- · handle: aluminium die casting







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.

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 \emptyset 1/2" 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





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 \cdot height 900 mm \cdot 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



KEB1-200E with meter

20330 20340



KEB1-200E

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 \cdot height 900 mm \cdot 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)

CODE

20641

20291

22021

20661

20660

12690

DESCRIPTION **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

Direct top suction

- 2" bung adapter and adapter plug for 1,000-litre tanks
- 3/4" metallic suction tube kit \cdot height 1 m with filter built in
- KDE-1000E SUP. 0.37 kW with meter

KDE-1000 SUP. 0.37 kW without meter 20640

20290 KDE-1000 SUP. 0.74 kW without meter 22020

KDE-1000E SUP. 0.74 kW with meter

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

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)





TOP OUTLET







TOTEM · LUBRICANT DISPENSER

TOTEM-E LUBE

TOTEM-K LUBE

TOTEM-E LUBE

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

TOTEM-K LUBE

27320

27310

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







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.

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

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 (I/min)	25	30	28
Ratio	3:1	3:1	5:1
Pressure (bar)	6-8	6-8	6-8
Air consumption (I/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 I/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 (page115)
- RLP-1 · Regulator-lubricator-purifier (page115)
- 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.

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



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

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



Wall oil dripping holder



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	20670
KDN-1000E INF. GM-3 (SAE 15/50) with meter	20600
KDN-1000 INF. GM-5 (SAE 15/140) without meter	20950

Direct top suction

- 2" bung adapter and adapter plug for 1,000-litre tanks

KDN-1000E INF. GM-5 (SAE 15/140) with meter

- 3/4" metallic suction tube kit \cdot height 1 m with filter built in

KDN-1000 SUP. GM-3 (SAE 15/50) without meter	20680
KDN-1000E SUP. GM-3 (SAE 15/50) with meter	20690
KDN-1000 SUP. GM-5 (SAE 15/140) without meter	20890
KDN-1000E SUP. GM-5 (SAE 15/140) with meter	20910

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

12680

20960

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 \emptyset 1/2" 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.

Tank not included

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

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

20390 20400 20850

20860

20410 20420

20870 20880



PNEUMATIC LUBRICANT DISPENSER

a

DA-24 · PNEUMATIC LUBRICANT DISPENSER

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.

24060



PNEUMATIC KITS FOR FIXED INSTALLATIONS

10

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

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

181700000

181800000

- 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







kg (approx.) 0.75



DIAPHRAGM PUMP KIT





DESCRIPTION CODE

1" HIGH FLOW DIAPHRAGM PUMP FOR NEW AND WASTE LUBRICANT



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 I/min
- Air flow: 1,133 I/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



12160

■ 1/2" NPT DIAPHRAGM PUMP



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 \cdot 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.

- 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.



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

803406078

R1/2" hydraulic hose with adapters in both ends (one end with F1/2" mobile nut adapter and the other with M1/2" adapter).

0.8 m Ø1/2" HOSE WITH ADAPTERS IN BOTH ENDS • HOSE-REEL CONNECTION

Ø3/4" AUTOMATIC HIGH CAPACITY HOSE-REEL (without hose)

160 bar

807301010

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.

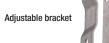
- Connection: MM3/4"

Open hose-reel with hose



Cased hose-reel with hose









Dim.: 680x590x250 mm Weight: 25 kg







RM-60 · MOBILE LUBRICANT RECUPERATOR BY GRAVITY OF 60 LITRES

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

20474

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

AM-20

OIL EXTRACTORS





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 I/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 · MOBILE ELECTRIC EXTRACTOR

- 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

SUPPLY PORTICO WITH 3 HOSE-REELS

22040

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

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

BDE-400E

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 \emptyset 1/2" 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.



NOZZLES FOR THE LUBRICANT SUPPLY AND MEASUREMENT



Flexible spout with 90° rigid curve

and non-drip nipple

PMGE-40

+ Flexible spout with 90° rigid curve and non-drip nipple

DESCRIPTION

PG-40 · MANUAL SUPPLY NOZZLE without spout

Manual nozzle for the lubricant supply with hand protector, injected in high resistance plastic made of fibreglass and equipped with F1/2" GAS (BSP) and quick ACR exchange system of the different type of ends

- Max. flow: 20 I/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

CODE

47352

Ergonomic electronic nozzle-meter with hand protector, injected in high resistance plastic made of fibreglass and equipped with F1/2" GAS (BSP) and quick ACR exchange system of the different

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
- Flexible spout with 90° rigid curve and non-drip nipple
- 60° rigid spout with non-drip nipple
- Non-drip nipple

Non-drip nipple

- Flexible spout with 90° rigid curve and manual non-drip nipple
- 60° rigid spout with manual non-drip nipple
- Manual non-drip nipple

473502003

473502005 473502002 473002002

473502105 473502106 473600000

COMPLETE NOZZLE-METER PMGE-40 + 90° free flow rigid spout

■ PMGE-40 + Flexible spout with 90° rigid curve and non-drip nipple

■ PMGE-40 + 60° rigid spout with non-drip nipple

PMGE-40 + Flexible spout with 90° rigid curve and manual non-drip nipple

PMGE-40 + 60° rigid spout with manual non-drip nipple

47410-CF00000

47410-CF00001 47410-CF00002

47410-CF00003

47410-CF00004



COMPLETE MANUAL SUPPLY NOZZLE

■ PG-40 + 90° free flow rigid spout

47421

PG-40 + Flexible spout with 90° rigid curve and non-drip nipple

47422

47420

PG-40 + 60° rigid spout with non-drip nipple

47423

PG-40 + Flexible spout with 90° rigid curve and manual non-drip nipple

47424

PG-40 + 60° rigid spout with manual non-drip nipple

- Flow: 57 I/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

P-100 · MANUAL HIGH FLOW SUPPLY NOZZLE

- Trigger fixation Weight: 2.2 kg



I/min

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 I/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.

MGE-40 · ELECTRONIC GEAR METER

32350-CF00000

- Flow: 2-40 I/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 I/min
- Connection: F1/2"
- 78 pulses per litre and channel





MGE-110 5-80 I/min



MGE-250 10-150 I/min



MGE-400 15-300 I/min



253400200

MGI-110 5-80 I/min



MGI-250 10-150 I/min



kg pprox.) 0.58

MGI-400 15-300 I/min

*Approx. flow according to the type of lubricant

DISPLAY WITH HOSE MODULE

GE · DISPLAY WITH HOSE MODULE

6-digit electronic console with luminous display of liquid crystal which allows to:

- See the partial and total of the supplied volume.
- Connect to different types of meters with pulsers of 1 or 2 channels.
- Preset the volume to be supplied, connecting it to a pump and/or solenoid valve.
- · Connect it to an external switch or nozzle holder.
- Connect it to the GK-7M controller through the RS-485 communication bus and the GESPASA communication protocol.
- · Keypad functions:

TOTAL / EXIT: It shows the Total of the volume: By keeping pressed this key, the display shows the total of the supplied volume.

Press "TOTAL" to cancel the volume preset.

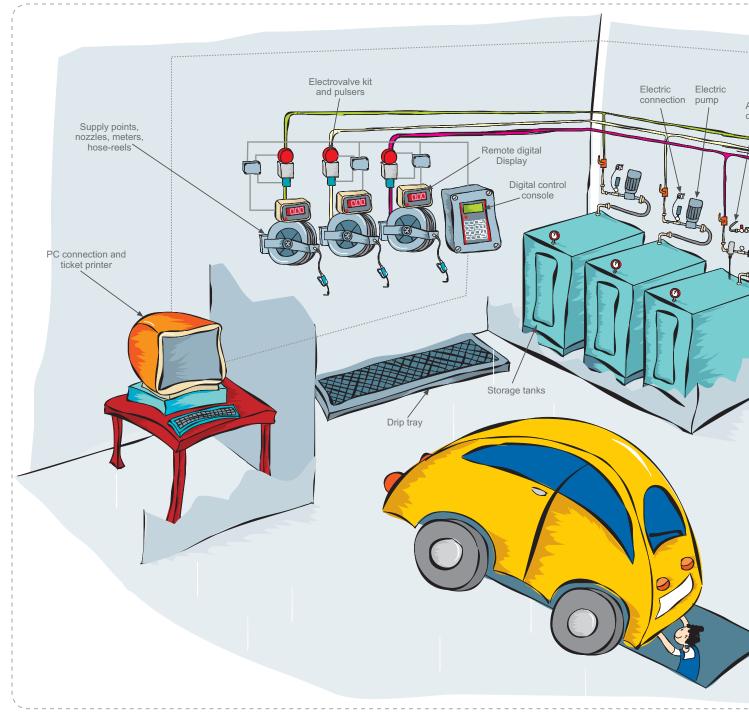
Key X10: It allows to preset. It increases 10 units each touch. When keeping pressed, it gets automatically increased.

Key X1: It allows to preset. It increases 1 unit each touch. When keeping pressed, it gets automatically increased.

- If the volume is among 0.00 and 9999.99, two decimals are shown.
- If the volume is among 10000.0 and 99999.9, it only has one decimal.
- If the volume is equal to or higher than 100000, no decimal is shown.







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.

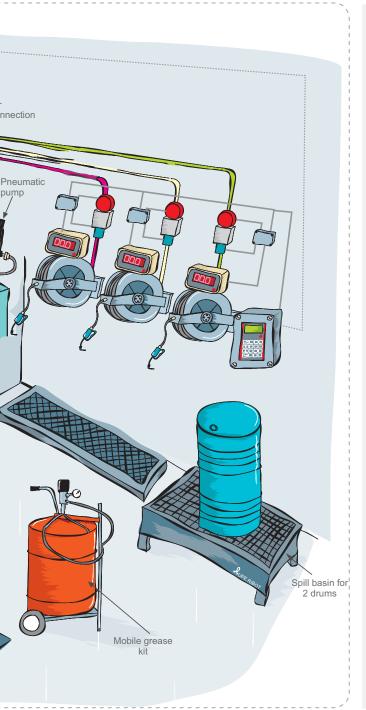
It is required to connect a hose module for each hose or meter, where the meter, the solenoid valve, a display (if necessary) and another hose module are connected to.

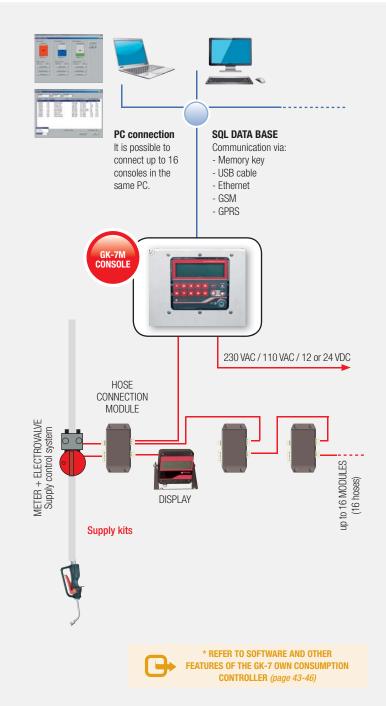
Technical Data:

- 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).





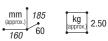
GENIUS-LUBE · 230 VAC · LEVEL INDICATOR

Gauge for the tank level reading:

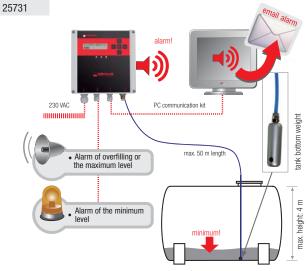
DESCRIPTION

- Reading in the display
- Reading from a local PC or at distance





Refer to features and PC communication kits (page 50-52)



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 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

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-1000 · ADAPTER NUT TO THE 1,000-LITRE TANK

- Nut to be assembled in the lower hole of the DP-1000LX polythene tank
- MF3/4" BSP thread

DESCRIPTION

23.1 TRANSPORT TROLLEYS

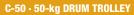
PUMP TROLLEY

807900003

CODE

Trolley for pumps of different sizes.

- Platform size: 480x205 mm



68610

Trolley for 50-60-kg drums for the lubrication and grease kits. It is equipped with 2 \emptyset 125x37 mm fixed wheels and 2 \emptyset 60x24 mm rotary wheels. It also has built in a support for the assembly of a pneumatic pump.



CE-200 • 185-kg DRUM TROLLEY FOR A HOSE-REEL

686400100

Transport trolley for 200-kg drums with an extra tubular frame

It is equipped with two fixed wheels and a mobile wheel for a better ergonomics and mobility. The trolley has a security tape for the drum in order to avoid any accidental leak (drum not included). It has built some hooks to reel the cable.

It also has built in a back platform for the assembly of a hose-reel.



T-200 · 200-kg DRUM TRANSPORTER-ELEVATOR TROLLEY

68650

Specially designed for transporting, raising and handling the drums.

- Capacity: 300 kg







Metallic protective holder



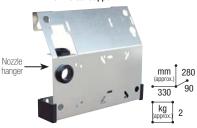




Pneumatic pump wall support



Universal support



Mixed wall non-drip support



DESCRIPTION

23.2 SUPPORTS

METALLIC PROTECTIVE HOLDER

126801001

CODE

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.

SUCTION / DELIVERY HOSES

R1 SUCTION / DELIVERY HOSES SPECIAL FOR LUBRICANTS

- R1 Ø1/2" suction/delivery hose (m)
- R1 Ø3/4" suction/delivery hose (m)
- R1 Ø1" suction/delivery hose (m)
- 0.8 m R1 ØM1/2" suction/delivery hose with adapters in both ends
- 2 m R1 ØM1/2" suction/delivery hose with adapters in both ends
- 3 m R1 ØM1/2" suction/delivery hose with adapters in both ends
- 4 m R1 ØM1/2" suction/delivery hose with adapters in both ends
- 6 m R1 ØM1/2" suction/delivery hose with adapters in both ends
- 8 m R1 ØM1/2" suction/delivery hose with adapters in both ends
- 10 m R1 ØM1/2" suction/delivery hose with adapters in both ends
- 12 m R1 ØM1/2" suction/delivery hose with adapters in both ends
- 15 m R1 ØM1/2" suction/delivery hose with adapters in both ends
- 20 m R1 ØM1/2" suction/delivery hose with adapters in both ends
- 25 m R1 ØM1/2" 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

670001008 670001009 670001012



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

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

803400011 803400012

803400010

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

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





GREASE

MANUAL INDUSTRIAL, LEVER AND PEDAL GREASE KITS



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

68460

- 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 \cdot 40 / 120 PSI
- Working pressure: 413 bar · 6,000 PSI
- Ratio: 50:1

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-50 for 50-60-kg drums · Weight: 10.7 kg · Dim.: 420x420x940 mm

68340 68470

68450



- 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

EP-16 · PEDAL GREASE KIT

68310

- 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

MANUAL VALVOLINE NOZZLE

68200

- 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



Valvoline nozzle

GN-55/200GC GN-80/200GC

GN-60/25

DESCRIPTION

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 I/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"

Pneumati	c grease	pumps
----------	----------	-------

	Drum	Suction tube length	Weight (kg)
■ GN-60/25	20-25 kg	480 mm	5.24
■ GN-60/50	50 kg	750 mm	6.30
■ GN-60/200	185 kg	950 mm	7.10

68520 68530

68510

High flow pneumatic grease pumps

	Drum	Suction tube length	Weight (kg)
■ GN-55/200GC	185 kg	880 mm	7.5
■ GN-80/200GC	185 kg	880 mm	8.5

68560 68550

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 \cdot 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)

■ EMG-50 · Mobile grease kit for 50-60-kg drum

(Dim.: 500x620x1,100 mm)

68350

68360

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
- 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
- EFG-200E · Fixed grease kit with hose-reel for 185-kg drum



DESCRIPTION

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

680006200

CODE

Zerk bushing

Sharp end bushing



ZERK BUSHING

- 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

68240

4-jaw grease bushing





4-JAW GREASE BUSHING

- The mechanized jaws press tightly the greaser.

- Strong body
- Max. working pressure: 650 bar (10000 PSI)
- F1/8" (BSP) thread



 ${\bf NOTE: All\ the\ coupling\ bushings\ are\ available\ with\ and\ without\ retention\ ball\ valve.}$

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

*The sizes correspond to the hose without ends.

680006501 680006500

680006503 680006502

FLEXIBLE COUPLINGS

Flexible couplings suitable for the manual greasing. It has an inner metal braid.

- Operating pressure: 250 barBreaking pressure: 1,000 bar
- Minimum shipment of 12 units (EUR/unit)

■ AF-300	300 mm flexible coupling without bushing	682100000
■ AF-300B	300 mm flexible coupling with hydraulic bushing	682100001
■ AF-340	340 mm flexible coupling without bushing	680006602
■ AF-340B	340 mm flexible coupling with hydraulic bushing	680006601
■ AF-400	400 mm flexible coupling without bushing	680006604
■ AF-400B	400 mm flexible coupling with hydraulic bushing	680006603
■ AF-500	500 mm flexible coupling without bushing	680006606
■ AF-500B	500 mm flexible coupling with hydraulic bushing	680006605
	2,000 mm flexible coupling without bushing 3 2,000 mm flexible coupling with hydraulic bushing	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

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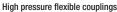


Rigid couplings

HIGH PRESSURE FLEXIBLE COUPLINGS

 \emptyset 1/4" 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-10 10 m Ø1/4" high pressure flexible coupling
■ AFP-11 12 m Ø1/4" high pressure flexible coupling
■ AFP-15 15 m Ø1/4" high pressure flexible coupling







DESCRIPTION

CSE-485 · Greaser box



 $\text{E--}5\cdot\text{Thread greaser}$



E-10 · Greaser at pressure



 $\text{E-20}\cdot\text{Long}$ thread greaser



E-25 · 45° greaser



E-30 · 90° greaser



3.3 GREASERS

CSE-485 · GREASER BOX

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)
■ Thread 7-100	Box of 100 units (*minimum shipment)
■ Thread 8-100	Box of 100 units (*minimum shipment)
■ Thread 8-125	Box of 100 units (*minimum shipment)
■ Thread 10-100	Box of 100 units (*minimum shipment)
■ Thread 10-125	Box of 100 units (*minimum shipment)
■ Thread 10-150	Box of 100 units (*minimum shipment)
■ Thread 12-100	Box of 50 units (*minimum shipment)
■ Thread 12-125	Box of 50 units (*minimum shipment)
■ Thread 12-150	Box of 50 units (*minimum shipment)
■ Thread 12-175	Box of 50 units (*minimum shipment)
■ Thread 1/4W	Box of 100 units (*minimum shipment)
■ Thread 5/16W	Box of 100 units (*minimum shipment)
■ Thread 1/8 GAS	Box of 100 units (*minimum shipment)
■ Thread 1/4 GAS	Box of 100 units (*minimum shipment)

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)
■ Thread 1/4 SAE	Box of 100 units (*minimum shipment)

808700401 808700415

CODE

808700500

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	
■ 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	E-30 · 90° greaser
808700001	808700101
808700002	808700102
808700003	808700103
808700004	808700104
808700005	808700105
808700006	808700106
808700007	808700107
808700008	808700108
808700009	808700109
808700010	808700110
808700011	808700111
808700012	808700112
808700013	808700113
808700014	808700114
808700015	808700115
808700016	808700116
808700017	808700117
808700018	808700118
808700019	808700119

^{*}Minimum shipment box of 50 and 100 units

DESCRIPTION CODE

3.4 DUST COVERS AND FOLLOWER PLATES

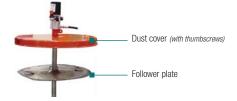
DUST COVERS

- 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

 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 welladapted 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*

680006900

680006901

680006903



GREASE NOZZLES AND JOINTS

1

GREASE NOZZLES

Metallic supply nozzle, made of steel, to be used on high pressure grease systems or kits. The nozzle must be assembled along wit 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

Swivel to eliminate the twisting of the high pressure hose.

- Thread MF1/4" GAS (BSP)

249900001

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



DESCRIPTION CODE

 \emptyset 1/4" open or cased hose-reels for many applications, specially suitable for installations.

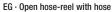
They make easier the fluid supply at any operation point. They can be mounted on the wall, tanks, ceiling or anchored through fixed or adjustable brackets.

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





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

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

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



DESCRIPTION CODE

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



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.



■ 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

701904056 701904057 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

Double retention spill basin

DESCRIPTION

DOUBLE RETENTION SPILL BASIN · 240 LITRES

- They are essential to store lubricants, fuels, chemical and contaminant substances.

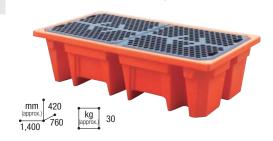
- These retention basins offer an easy and quick protection against spillages of the chemical or oily substances.
- Environment protection against spillages or leaks of the stored substance.
- Ribbed basins for a highest resistance.
- Minimum weight for an easier transport or storage.
- Easy empty and 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.



RETENTION BASIN · 1,050 LITRES

- 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.

CODE 385905021





1,050 litre retention basin 385905022

WASTE OIL TANKS

TAU 600

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

38400 38401 38402

760

kg pprox.)



- TAU 200 · 200-litre capacity
- TAU 600 · 600-litre capacity
- TAU 1000 · 1,000-litre capacity





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

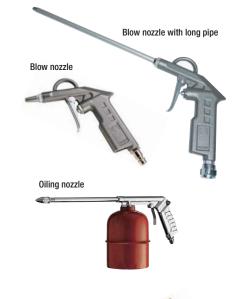
68250

BLOW NOZZLE (LONG PIPE)

68270

OILING NOZZLE

68280



VIA-10

VERIFIER • SELF-ADJUSTING SPRAYER

■ 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.

■ EURODAINU from 0.7 to 12 bar

Pressure gauge that works with the trigger emptying it through the drain button.

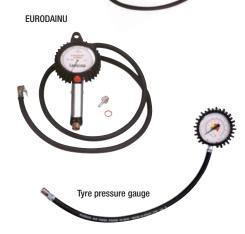
High level of accuracy and resistance

Approved according to the 86/217/EC Directive.

It has built in a self-adjusting flexible nipple.

20510

20570



TYRE PRESSURE GAUGES

Gauges with a nipple suitable for the car and truck tyres. Metered in bar and PSI.

- MP-10 from 0.5 to 12 bar
- EURODAIRA from 0.7 to 12 bar

20520 20580

5.2 PRESSURE REGULATORS-LUBRIFIERS

RP-1 · PRESSURE REGULATOR

801902001

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



801902002

Regulator kit with filter and greaser combined.

Apart form 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.



Open air/water hose-reel





DESCRIPTION

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

807304001 807304002

CODE

CASED AIR/WATER HOSE-REEL

807304003

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.

6

WORKSHOP ACCESSORIES



STEEL OILCAN

68230

- Cylindrical oil tank
- Painted steel
- Oilcan volume: 500 cm³
- Dosing tube length: 175 mm

PLASTIC SPILL FUNNEL

46080

- Heavy-duty polyethylene funnel with filter and flexible outlet
- Funnel of Ø225 mm

METER CONTAINER WITH FLEXIBLE DOSING TUBE

38280

- Capacity: 5 litres

PLASTIC FUNNELS

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

- Ø255 mm exterior Ø245 mm interior
- Ø160 mm exterior Ø150 mm interior
- \blacksquare Ø75 mm exterior \cdot Ø70 mm interior
- Ø50 mm exterior \cdot Ø40 mm interior \cdot funnel sieve (Ø255 & 160 mm stainless mesh) of 350 µm (micron)
- 3-funnel joint
- 3-funnel set of different diameter with joint

469000000 460700000

VEHICLE DECONTAMINATION

1

BASIC SOLUTION:

VEHICLE DECONTAMINATION KIT

Vehicle decontamination kit specially suitable for complying with the environment rules about the fluid extraction and storage of the Real Decreto 1383/2002, December, 20th, about the vehicle management at the end of their useful life.

It allows a total decontamination of the different liquids of the vehicle by gravity, putting it in an elevator or an engine pit, and suction, in the event of brake fluid, and posterior storage in tanks separately.



Composed of:

LIQUID RECUPERATOR

5 units of mobile recuperation by gravity of 5 different liquids

PNEUMATIC EXTRACTOR

- 1 unit of pneumatic mobile extraction for brake fluid
- Vacuum gauge
- Exchangeable probes of 3, 5 and 6 mm

■ STORAGE

- 4 double skinned storage tanks (they do not need the retention basin).
- 2 Metallic tanks (for petrol)



Ask for the most suitable tank according to the used product.

■ SUPPLY KIT

- Diesel or petrol pump with mechanical meter
- Metallic base
- Automatic nozzle
- FG-100 or FG-100G (for petrol) microfilters of 2-litre capacity



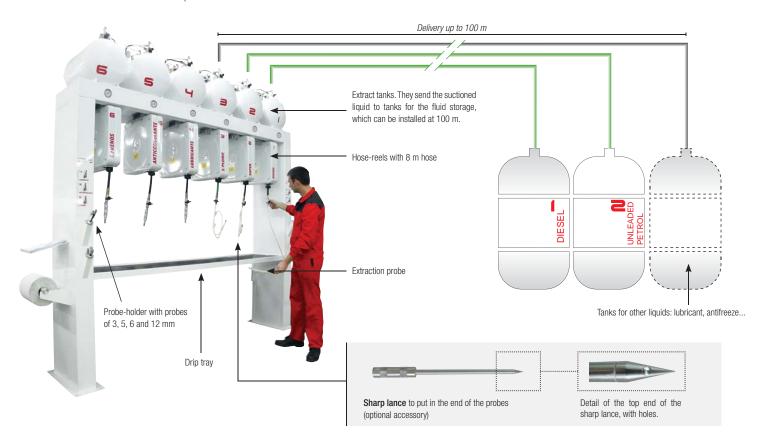


2

MODULAR SOLUTION:

VEHICLE DECONTAMINATION PORTICO

Vehicle decontamination portico that allows the fluid extraction of a vehicle through probes from 3 to 12 mm and posterior storage separately. Customised installation of the number of liquids to be extracted.



PUT THE VEHICLE IN A BENCH OR AN ELEVATOR.

CONNECT THE HOSES IN EACH LIQUID OUTLET TO MAKE THE EXTRACTION

EXTRACTION

There are different ways of making the extraction of each type of liquid

1 Fuel

- **A.** Cut the fuel tube and connect it to the hose-reel
- **B.** Through the pneumatic drill nozzle (optional) connected to the suction hose, we punch the tank and directly suction the fuel.
- Once finished the suction, disconnect the probe and put it into the probe-holder.

2 Brake fluid

 Connect the probe in one of the back bleeder valves of the brake fluid circuit of the vehicle.
 Loosen the bleeder valve and open the hose suction valve.

3 Lubricant

- **A.** Put the probe in the level bar hole. The lubricant will be directly suctioned.
- **B.** Pick up the lubricant by gravity through the oilpan plug, with a gravity recuperator. Suction the stored liquid of the recuperator with the hose-reel probe of the portico.

4 Antifreeze

- **A.** Pick up the antifreeze by gravity. It is directly suctioned from the recipient through the portico hose-reel probe.
- **B.** Drill the tube through the sharp lance (optional).

 The lance has built in a hole where it will directly suction.

The liquids are suctioned because of the depression caused by the vacuum kits of the portico.

In each extraction the fluid must be sent to the storage tanks, turning the handle of the portico column to the emptying position.

Each suction hose has built in an in-line filter in order to avoid the inlet of solid particles in the kit that may reduce its output because of the hose blocking.

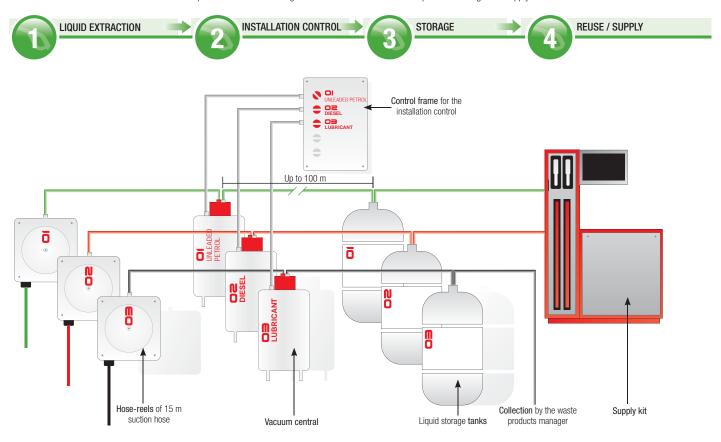
The liquid never flows through the inner of any pump or device, avoiding possible damages in the kit because of the impurity suction.

CUSTOMISED SOLUTION:

VEHICLE DECONTAMINATION INSTALLATION

Vehicle decontamination installation specially suitable for vehicle scrappings, to comply with the environmental rules about the fluid extraction and storage of the 2000/53/EC Directive of the European Parliament and Council, of 18/9/00.

It allows a total decontamination of the different liquids of the vehicle through the extraction kits as well as its posterior storage and supply.





INSTALLATIONS

- Design, installation and legalisation
- Oil installations
- Transfer, filtering, measurement and control of all type of fluids































LUBRICATION INSTALLATIONS





























■ CUSTOMISATION UNDER PROJECT OF THE EQUIPMENT OR INSTALLATION FOR THE TRANSFER, FILTERING, MEASUREMENT AND CONTROL OF ANY TYPE OF FLUIDS.

FUEL EXTRACTION



- Kit for the fuel extraction of a car tank and its posterior storage in a buried tank.
- This fuel is filtered.
- The supplies are controlled with an own consumption controller.

OIL TEAM SERVICE



Innovative concept of workshops / boxes of 60 m² that delimits a workshop, an oil change zone, an office and a warehouse with equipment for the lubricant extraction and supply.

LUBRICATION VEHICLE



Personalized installation of kits for the lubricant transfer assembled into a van. It allows the lubricant, grease and air compressed supply through the hose-reels. The meter nozzles control the supplied amounts. It also allows the waste oil suction from a recuperator to a residual tank placed in a box of the van.

- The customer accepts these terms when ordering to GESPASA TOT COMERCIAL SA.
 The prices are EX WORKS. The prices are valid except any typing mistake and can be modified without prior notice because of the market fluctuations or other causes.
- 2. All the orders must be made by writing: via fax, letter or email.
- 3. When placing an order the first time, fill in the following customer's card:

CUSTOMER'S CARD			
VAT no.		E-mail	Web
Name			
Address		BANK DATA	
City ZIP code		Bank	
		BIC/SWIFT	
Province		IBAN no.	
Contact person		Payment day	
Tel.	Fax		

PRIVACY POLICY • We notify you these data will be included in a file called "CLIENTES" of TOT COMERCIAL SA, with the aim of carrying out the assistance with the services, the invoicing and its charge.

We also inform you may exercise the right of the access, the rectification, the cancellation and the opposition by writing the company TOT COMERCIAL SA, Partida Horta d'Amunt, s/n · Apartado de Correos nº 149 · 25600 BALAGUER (Lleida) · SPAIN or email lopd@gespasa.es.

In the same way, you accept that in a future - even when our business relationship has ended - we will use your personal data to inform you about our products and/or services, and communicate this data to other group and/or sector companies, with the aim they inform you about the products or services they are marketing. If you do not want to be informed about our products or services or other group companies, please write the company TOT COMERCIAL SA, Partida Horta d'Amunt, s/n · Apartado de Correos nº 149 · 25600 BALAGUER (Lleida) · Spain or email lopd@gespasa.es.

CONSIGNMENT · TRANSPORT

- 1. The goods always travel by customer's charge, either through its own forwarding agent or our forwarding agent with the prices accepted by the customer. In this last case, the goods will be sent to the customer's address, and the amount will be charged to the invoice.
- It is essential to check the goods when you receive them. If there is any fault, you must immediately complain to the transport agency.
 - All the quality and/or amount complaint must be in writing within the following THREE DAYS at the equipment reception. You have to clearly state the claim reason. WE DO NOT ACCEPT THE CLAIMS OUT OF THE MENTIONED TERM. The goods travel at customer's own risk
- We will not accept the goods devolution or change if it does not fulfil the following conditions:
 - a) You have to notify the claim reason by writing and accepted by GESPASA TOT COMERCIAL SA. The goods have to be sent freight paid.
 - b) The returned products must be in the current catalogue. We will not accept products which are not in it.

- c) We will pay the same amount as the invoice, discounting the expenses on checking, paint, repacking. These expenses are the minimum cost of 21% for the product value. The credits will be cancelled in future purchases.
- 4. The DELIVERY TERMS will be only as information; they are not cause of indemnity because of delivery delays.
- 5. TOT COMERCIAL SA has the RESERVATION OF TITLE (ROT) of the customer's goods until its payment is fulfilled by the buyer. The reservation of title would end when the customer pays the total amount as well as interests or other expenses that may be generated. The customer cannot have at their disposal the goods under any title without prior seller's authorization. The customer is obliged to its conservation, answering for any damage that can be caused even those ones beyond their control.

PAYMENT

- 1. LATE PAYMENT: The default of any of the stipulated payments as well as the unfulfilment of the above clause of RESERVATION OF TITLE will entitle the seller to demand the whole debt and remove the sent or installed goods beyond a simple notarial request, without any need of a judicial order, endorsing the amount received as downpayment, for legal damages.
- 2. JURISDICTION: The courts of Lleida (Spain) will have exclusive jurisdiction to adjudicate any dispute arising under or in connection with these SALE TERMS; the buyer expressly waives the right of their own jurisdiction.

WARRANTY

- All the products manufactured by TOT COMERCIAL SA have a WARRANTY of 12 (twelve)
 months from the purchase date, against any manufacturing defect.
- 2. TOT COMERCIAL SA guarantees, into the warranty period, the defective part or product change or devolution. This equipment has to be sent at prepaid freight to our factory or any designated technical service. After our technical checking, we will decide whether the responsibility belongs to the manufacturer, the user, the installer or the transport agency.
- 3. The warranty does not cover: the inadequate use, the negligence, the abuse, the corrosion, the handling, the natural wear or the wrong product installation, a use of non-original spare-parts or not concerning to the specific pattern. All the kits manufactured and/or commercialized by TOT COMERCIAL SA have to be installed, used and maintained according to the instructions given by the manufacturer.
- 4. The accessories and products like valves, hoses, electrovalves, electric motors etc not manufactured by TOT COMERCIAL SA are liable to their original manufacturer's warranty.
- Because of the constant innovations and development, TOT COMERCIAL SA reserves the right to change/alter the specifications of its products and publicity without prior notification.

SIGNATURE AND STAMP			



For your own convenience, fill this order sheet. Send it by fax or

We will answer your request as soon as possible.

*If it is your first order, do not forget to fill the CUTOMER's card.

+34 (9)73 445 000

+34(9)73 451 072

gespasa@gespasa.es

www.gespasa.es

DATE	
COMPANY NAME	
CONTACT PERSON	
ADDRESS	
CITY	
PROVINCE	
PHONE	FAX
E-MAIL	
WEB	

CODE	QUANTITY	DESCRIPTION	UNIT PRICE	% DISCOUNT	AMOUNT
				,	
Freight prepaid	EX WOF	RKS Forwarding company			

ORDER SHEET



NOTES

NOTES





tot comercial, s.a.



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