

GO WITH THE FLOW.

T HORN
TECALEMIT



Product Catalogue

Issue 2

www.horn-tecalemit.co.uk

A HORN**GROUP** COMPANY

WHY SHOULD YOU SETTLE FOR LESS?

Diesel dispenser with the highest level of features included! - Made in Germany!

Diesel Dispensing Station HDM eco & eco BOX



The HDM eco diesel fuel dispenser is a great example of user friendliness and out of the box engineering. An Electrical and fuel supply line is all you need to start up your system.

- Suitable for small and large commercial fleets dispensing up to 80 l/min
- Fuel management system complete with PC-software, includes USB interface for easiest data transfer
- Tracks up to 2,000 users/vehicles
- Saves up to 10,000 filling data sets
- Easy to use menu with multiple user options and transponder key tag reader included.
- Tank level ability



Part Number Description

110 700 860	Dispensing Station HDM 60 eco
110 700 880	Dispensing Station HDM 80 eco
110 700 960	Dispensing Station HDM 60 eco box
110 700 980	Dispensing Station HDM 80 eco box
110 700 930	Dispensing Station HDM eco box 12v



Diesel Dispensing Station HDM pro



110 600 350

The HDM pro is one of HORN TECALEMIT's most innovative and professional diesel pumps, with its modern design and high-performance dispensing capabilities. A second dispensing point provides a high degree of flexibility for potential future expansions, e.g. for an AdBlue® tank system.

- **Fuel management system with PC software (2,000 users)**
- **Large full graphical display screen**
- **User identification with the use of transponder technology**
- **USB interface for data transfer**
- **Optional data transfer via LAN**
- **High flow volume of up to 140 l/min**
- **Wide range of language options**

Part Number Description

110 600 350	Dispensing Station HDM 50 pro
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110 600 450	Dispensing Station HDM 80 pro
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110 600 550	Dispensing Station HDM 150 pro
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110 600 650	Dispensing Station HDM 150/50 pro
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110 600 650

HDM eco AdBlue®



Specially designed to dispense AdBlue® and Urea solution products.

- **Dispenses 38 l/min using the patented hybrid W85 pump**
- **Fluid management system complete with PC-software, includes USB interface for easiest data transfer**
- **Easy to use menu with multiple user options and transponder key tag reader included.**
- **Tank level ability**

Part Number Description



Part Number	Description
110 700 900	HDM eco AdBlue®

Accessory Options for HDM and HDA products



233 400 081



233 400 200

Part Number Description

233 400 200	Transponder Tag
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233 400 081	USB Tag Reader
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233 500 440	HD Manager 8 - software upgrade pack
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HDA eco Fuel Management System



**TAKE CONTROL
OF YOUR INVENTORY**

The HDA eco Fuel Management System is designed to securely control delivery during the transfer of various liquid applications.

- **Single hose fuelling point**
- **Handles any fluid with proper pulse meter**
- **Capacity to store up to 10,000 transactions and track 2,000 users/vehicles**
- **Complete with PC software, includes USB interface for easiest data transfer**
- **Easy to use menu with multiple user options and transponder key tag reader included.**

Part Number	Description
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110 500 700	HDA eco
110 500 710	HDA eco kit (with FMT II pulse meter)
110 500 900	HDA eco 12/24v version
110 500 910	HDA eco kit 12/24v version

D R F U C

HDA eco 5 Fuel Management System



**INVENTORY MANAGEMENT
REDEFINED**

A true master of fluid management for multiple fuelling points. The HDA eco 5 can handle 5 hoses and dispense 4 different products simultaneously; all from one centralised point.

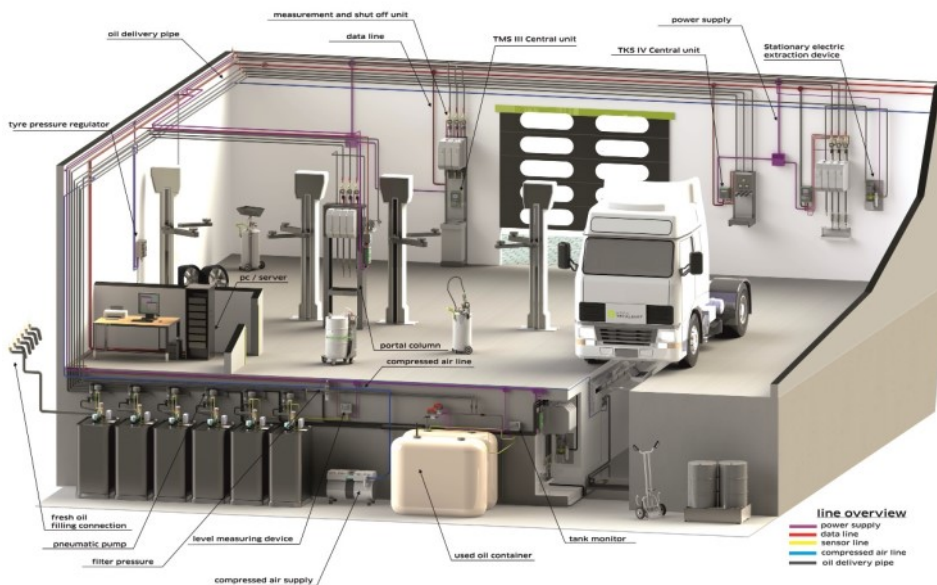
- **Handles up to 5 fuelling points**
- **Handles any fluid with proper pulse meter**
- **Capacity to store up to 10,000 transactions and 2,000 users/vehicles**
- **Complete with PC software, includes USB interface for easiest data transfer**
- **Easy to use menu with multiple user options and transponder key tag reader included.**

Part Number	Description
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110 500 800	HDA eco 5
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D R F U C

HORN TECALEMIT Oil Management System



Oil Management System TKS IV



Electronic oil management system for control and monitoring of oil supply equipment in vehicle workshops and in industry. The data storage is made via an integrated electronic journal. The TKS IV system is capable of handling up to 4 taps. A true interface with your existing Dealer Management System (DMS) and capable of plugging into your local network printer. Compatible with oil, antifreeze/coolant, and other fluids.

	Part Number	Description
RO	030 472 200	TKS IV

Oil Management System TMS III



The TMS III system takes on the features of the TKS IV with the added capability of handling up to 10 taps. Expandable modules to fit any size service centre.

	Part Number	Description
RO	030 471 291	TMS III (graphic display)

HORNET W 40 & HORNET G 40



UK 104 420 000



- Electric pump for diesel, gas oil and antifreeze (concentrate)
- Flow rate: 38 l/min
- Priming lever with integrated anti-siphon safety feature
- Available in 230v, 12v and 24v

Part Number	Description
UK 104 420 000	HORNET W 40 Pump only
104 430 000	12v HORNET G 40/12 Pump only
104 440 000	24v HORNET G 40/24 Pump only

HORNET W 85 H



- Patented hybrid self-priming pump
- Diesel, antifreeze (concentrate) and water
- Flow rate: 85 l/min
- Low wear - high performance

Part Number	Description
UK 108 500 001	HORNET W 85 H Pump only

HORNET W 85 H INOX



- Patented hybrid self-priming pump
- Adblue® and urea solution
- Stainless steel chamber/pump casing
- Flow rate: 48 l/min
- Low wear - high performance

Part Number	Description
UK 108 600 000	HORNET W 85 H INOX Pump only

HORNET W 50 II & HORNET G 50 II



UK 106 500 000



106 530 000

- Electric vane pump for diesel, gas oil and antifreeze (concentrate)
- Flow rate: 55 l/min
- Integrated anti-siphon protection
- Also available 230v, 12v and 24v

Part Number	Description
UK 106 500 000	HORNET W 50 II Pump only
106 530 000	12v HORNET G 50/12 Pump only
106 540 000	24v HORNET G 50/24 Pump only



HORNET W 80



- Electric vane pump for diesel, gas oil and antifreeze (concentrate)
- Flow rate: 85 l/min
- Integrated anti-siphon protection

Part Number	Description
UK 108 800 000	HORNET W 80 Pump only



VISCONET II



- Electric vane pump for engine and gearbox oil up to SAE 80
- Flow rate: 25 l/min

Part Number	Description
UK 104 120 000	VISCONET II Pump only



Pump Kits HORNET W 40



UK 104 528 700

Electric pump for the use in agriculture, fuel storage dispensing and workshops. Suitable for diesel, gas oil and antifreeze (concentrate).

- **Flow rate: 38 l/min**
- **Priming lever with integrated anti-siphon safety feature.**
- **4m discharge hose**
- **Also available in 12v and 24v (see page 13)**

Part Number	Meter	Nozzle Style
UK 104 428 700		ZP 19
UK 104 528 700		A 2010
UK 104 558 701	FMT II	A 2010



Pump Kits HORNET W 85 H & HORNET W 85 H X



UK 108 500 100

The worlds first self-priming hybrid pump, for the delivery of diesel, gas oil and antifreeze (concentrate).

- **Flow rate: 68 l/min with HORNET W 85 H**
- **Flow rate: 85 l/min with HORNET W 85 H X**
- **Patented hybrid self-priming pump**
- **Powerful 950 watt motor**
- **4m discharge hose with automatic nozzle**
- **Low wear - High Performance**
- **Dispensing nozzle holder incl. drop cup**

The worlds first self-priming hybrid pump

Part Number	Flow	Meter	Nozzle Style
UK 108 500 100	68 l/min		A 2010
UK 108 501 100	68 l/min	FMT II	A 2010
UK 108 700 100	85 l/min		A 2015
UK 108 701 100	85 l/min	FMT II	A 2015



Pump Kits HORNET W 50 II



UK 106 618 700

Electric vane pump for the use in agriculture, fuel storage dispensing and workshops. Suitable for diesel, gas oil and antifreeze (concentrate).

- **Flow rate: 55 l/min**
- **Integrated anti-siphon protection**
- **4m discharge hose with automatic nozzle**
- **Also available in 12v and 24v (see page 13)**



Part Number	Meter	Nozzle Size
UK 106 508 700		A 2010
UK 106 618 700	Z 300	A 2010
UK 106 518 701	FMT II	A 2010

Pump Kits HORNET W 80



UK 108 808 700

Electric vane pump for the use in agriculture, fuel storage dispensing, workshops. Suitable for diesel, gas oil and antifreeze (concentrate).

- **Flow rate: 85 l/min**
- **Integrated anti-siphon protection**
- **4m discharge hose with automatic nozzle**



Part Number	Meter	Nozzle Style
UK 108 808 700		A 2015
UK 108 888 700	Z 300	A 2015
UK 108 818 701	FMT II	A 2015

Pump Kits VISCONET II



UK 104 123 700

Electric vane pump for the use in agriculture, fuel storage dispensing and workshops.

- **Flow rate: 25 l/min**
- **For engine oil and gearbox oil up to SAE 80**

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Part Number	Meter	Nozzle Style
UK 104 123 700		ZV 2000
UK 104 133 701	FMOGne	ZV 2000
UK 104 123 702	FMOG	HDZne

Electrical Pump Diesel-Eco-Box



Electric vane pump for the use in agriculture, fuel storage dispensing and workshops.

- **Flow rate: 50 l/min**
- **Dispenser for diesel, gas oil or antifreeze (concentrate)**
- **Mechanical meter**

D R

Part Number	Description
UK 110 300 001	Diesel-Eco-Box

DC Pump Kits HORNET G 40



104 438 700

Electric pump suitable for diesel, gas oil, antifreeze (concentrate).

- **Flow rate: 30 l/min**
- **Priming lever with integrated anti-siphon safety feature**
- **4.0m discharge hose**
- **Crocodile clips with 2m cable**



104 568 701

Part Number	Voltage	Meter	Nozzle Style
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104 438 700	12v DC		ZP 19
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104 468 701	12v DC	FMT II	ZP 19
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104 538 700	12v DC		A 2010
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104 568 701	12v DC	FMT II	A 2010
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104 448 700	24v DC		ZP 19
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104 478 701	24v DC	FMT II	ZP 19
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104 548 700	24v DC		A 2010
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104 578 701	24v DC	FMT II	A 2010
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DC Pump Kits HORNET G 50 II



106 838 700

Electric vane pump suitable for diesel, gas oil, antifreeze (concentrate).

- **Flow rate: 45 l/min**
- **Integrated anti-siphon safety feature**
- **4.0m discharge hose**
- **Crocodile clips with 2m cable**



106 558 701

Part Number	Voltage	Meter	Nozzle Style
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106 838 700	12v DC		ZV 2000
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106 538 700	12v DC		A 2010
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106 638 700	12v DC	Z 300	A 2010
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106 558 701	12v DC	FMT II	A 2010
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106 848 700	24v DC		ZV 2000
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106 548 700	24v DC		A 2010
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106 648 700	24v DC	Z 300	A 2010
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106 568 701	24v DC	FMT II	A 2010
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HORNET W 85 H INOX Drum Pump



UK 108 600 600

Self-priming hybrid pump HORNET W 85 H INOX for AdBlue® and urea solution. Suitable for 200 litre plastic drums.

- **Flow rate: 48 l/min**
- **8m discharge hose**
- **Patented hybrid pump system**
- **Stainless steel chamber/pump casing**
- **Drum screw joint G 2"**
- **Dispensing nozzle holder with drip cup**
- **Metered options available**
- **Low wear, high performance**



UK 108 600 400

Part Number	Meter	Nozzle Style
UK 108 600 600		Plastic
UK 108 600 400		A 2003-ES
UK 108 601 400	FMT II	A 2003-ES



UK 108 601 400

HORNET W 85 H INOX IBC Pump System



UK 108 601 100

Self-priming hybrid pump HORNET W 85 H INOX for AdBlue® and urea solution. Suitable for all common IBC container with CDS connection and built-in suction line.

- **Flow rate: 48 l/min**
- **8m discharge hose**
- **Patented hybrid pump system**
- **Stainless steel chamber/pump casing**
- **Stainless steel mounting bracket fits all common IBC containers**
- **Top or side mounting options available.**
- **Metered options available.**
- **Low wear, high performance**



UK 108 601 210

Part Number	Bracket	Meter	Nozzle Style
UK 108 600 300	Top		Plastic
UK 108 600 100	Top		A 2003-ES
UK 108 601 100	Top	FMT II	A 2003-ES
UK 108 600 310	Side		Plastic
UK 108 600 210	Side		A 2003-ES
UK 108 601 210	Side	FMT II	A 2003-ES



CDS Coupling



For spill free transfers of AdBlue® between a delivery IBC and the pump.

- **Dry-break Suction Connector**
- **3/4" BSPP fitting**

Part Number	Description
250 900 000	CDS Coupling



FMT II Digital flow meter



253 590 000



253 590 004



253 590 020



253 590 013



253 590 007

Digital flow meter using the turbine wheel measurement principle.

- For diesel, AdBlue® , water, gas oil and antifreeze (concentrate)
- Lithium battery (lifetime 10 years)

Part Number	Description	Flow
253 590 000	FMT II for HORNET W 40	↓
253 590 004	FMT II for HORNET W 50/W 80	↑
253 590 020	FMT II for HORNET W 85 H	→
253 590 013	FMT II with pulse output	↓
253 590 007	FMT II with pulse output	→

D R U

FMOGne Digital flow meter



027 176 501

Oval gear digital flow meter with G 1/2" connection.

- For engine oil, gear oil and hydraulic oil
- Aluminium casing
- Lithium battery (lifetime 10 years)

Part Number	Description	Flow
027 176 501	FMOGne	↑↓
027 176 301	FMOGne with pulse output	↑↓

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Z 300 Mechanical flow meter



Mechanical flow meter using the swashplate principle with G 1" connection.

- For diesel, gas oil and antifreeze (concentrate)
- Plastic and zinc die cast casing
- Partial amount counter: 3 digits, 18 mm high
- Total amount counter: 6 digits, 6 mm high



Part Number	Description	Flow
253 010 000	Z 300	Any

Mechanical flow meter



027 171 461

Rotary piston flow meter with G 3/4" connection.

- For lubricating oil, hydraulic oil, diesel and gas oil
- Flow rate: 10 l/min oil and 50 l/min diesel
- Zinc die casted



Part Number	Description	Flow
027 171 461	Mechanical flow meter	↓
027 171 101	Mechanical flow meter, PTB Approved	↓
027 171 052	Mechanical flow meter, PTB Approved	→

Level Controller TS



225 310 200

The Level Controller TS works according to the proven hydrostatic measuring principle. A range of level probes offer a customised solutions in content level measuring and monitoring. Models with fault alarm inputs and alarm contact complete the range.

- **High and low level alarm outputs**
- **GSM telemetry module available**
- **Probe connection cables can be extended to 200m**

Part Number	Description
225 310 200	Level Controller TS
225 300 200	Level Controller TS, overfill prevention
028 552 201	Signal Horn
028 553 301	Signal Lamp

Level Probe



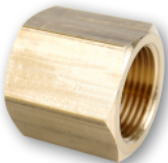
224 010 000

For measuring the content levels within tank.

- **Suitable for all media that do not corrode the material e.g. water, diesel fuel, gas oil, engine oil, vegetable oils, AdBlue® or urea solution**
- **The cable can be extended up to a length of 200 m**

Part Number	Description
224 010 000	Level Probe, tank height 2m, 5m cable
224 020 000	Level Probe, tank height 3m, 5m cable
224 050 000	Level Probe, tank height 5m, 7m cable
224 070 000	1" connection set for standard level probe

1" Hose Connector



Part Number	Description
406 401 350	1" hose connector

Replacement Hose Kit



Replacement discharge hose kit suitable for K 10 C hand pumps.

- **1.5m length**

Part Number	Description
308 303 100	For motor/gear/hydraulic oil up to SAE 80
316 103 100	Electrically conductive (hazard class AI-III)

Replacement Discharge Hose



Replacement discharge hose assemblies suitable for HORNET W 50 II, VISCONET II and HORNET W 85 H pumps.

- **1" male fittings**

Part Number	Description
331 000 400	4m length hose
331 000 600	6m length hose
331 000 800	8m length hose

Replacement discharge hose assemblies suitable for HORNET W 85 H X pumps.

Part Number	Description
319 000 700	4m length hose
319 000 600	6m length hose
319 000 899	8m length hose



Replacement hose sold by the metre.

- **DN19 x 4**

Part Number	Description
247 080 000	For HORNET W 40 / K 10 C pumps
247 440 010	For HORNET W 85 H INOX (AdBlue®)

ZP 19 Nozzle



- For diesel, petroleum (AIII), gas oil, low viscosity mineral oil, engine oil, gearbox oil, hydraulic oil, antifreeze (concentrate)
- Outlet diameter: 35mm
- Hose clip DN20

Part Number	Description
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252 400 000	ZP 19
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ZV 2000 Nozzle



- For diesel, gas oil, engine oil, gearbox oil, hydraulic oil
- Outlet diameter 25mm
- Connection 1" female

Part Number	Description
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252 300 000	ZV 2000
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A 2010 Nozzle



- For diesel, RME, gas oil, antifreeze (concentrate)
- Outlet diameter 24mm
- Connection 1" female

Part Number	Description
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252 620 007	A 2010
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A 2015 Nozzle



- For diesel, RME, gas oil, antifreeze (concentrate)
- Outlet diameter 30mm
- Connection 1" female

Part Number	Description
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252 660 001	A 2015
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Plastic AdBlue® Nozzle



- For AdBlue® and urea solution
- Outlet diameter 19mm

Part Number	Description
252 350 000	Plastic AdBlue® nozzle

A 2003-ES Nozzle



- For AdBlue® and urea solution - Stainless steel
- Outlet diameter 19mm
- Connection 3/4" male

Part Number	Description
252 711 031	A 2003-ES

Digital Metered Nozzle



027 170 211



027 170 221

- Oval gear meter
- Flow rate: 15 l/min
- Connection 1/2" female swivel

Part Number	Description
027 170 211	HDZ FMOG for Engine oil
027 170 221	HDZ FMOG for Gear oil

Mechanical Metered Nozzle



027 170 852

027 170 832

- Ring piston meter
- Flow rate: 40 l/min
- Connection 1/2" female swivel

Part Number	Description
027 170 852	HDZ Engine oil
027 170 512	HDZ Engine oil, PTB approved
027 170 832	HDZ Gear oil
027 170 522	HDZ Gear oil, PTB approved

Fuel Suction Unit TankQuick eco



013 896 200

**ATEX
approved**

The TankQuick eco is fitted with a pneumatic extraction and refilling unit with practical single hose and gas displacement/compensation device. For use when extracting fuel from vehicle tanks in workshops, used car dealerships and for removing fuel at petrol forecourts where the incorrect fuel has been used.

- For petrol and diesel
- ATEX specification EX II 2G c IIA T3
- Electrically conductive hose and transport system
- Gas displacement device
- Mechanical fill level indicator

Part Number	Description
013 896 200	TankQuick eco
020 202 011	Adaptor set for extraction via the fuel line
027 028 021	Adaptor for Mercedes C-Classes
013 896 300	Exchangeable container with level display



Fresh Oil Dispenser LubeMobil 80 S



The LubeMobil 80 S is a professional oil dispenser, flexible to use in service centres and auto dealerships. The compressed air tank is located in the container.

- Capacity: 80 l/min
- Hose length: 2.25m
- Suction line for self-filling/level indicator

Part Number	Description
015 245 180	LubeMobil 80 S



Hand Pump K 10 C



103 083 100

**ATEX
approved**

D R F

Suitable for diesel, gas oil, fuels, petroleum AI-III, antifreeze (concentrate), highly liquid mineral oils.

- **Flow rate: approx. 0.25l/stroke**
- **Single action piston pump**
- **Telescopic suction pipe: 490 mm– 925 mm**
- **Drum thread: M64 x 4 and G2"**

**5 year
warranty**

Part Number Description

103 089 100 K 10 C, telescopic suction pipe, with hose

103 083 000 K 10 C, rigid suction pipe, no hose

103 089 000 K 10 C, telescopic suction pipe, no hose

Hand Pump OK 9 B



Suitable for motor, gear and hydraulic oil up to SAE 80.

- **Flow rate: 0.25 l/stroke**
- **Single action piston pump**
- **Telescopic suction pipe: 490 mm– 925 mm**
- **Drum thread: G 2"**

**5 year
warranty**

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Part Number Description

122 029 000 OK 9 B

Hand Pump KP 01



For diesel, gas oil, low viscosity mineral oils SAE 50, engine oil, gearbox oil (up to SAE 140) and hydraulic oil.

- **Flow rate: 0.15 l/rotation**
- **Suction pipe length: 920mm**
- **Drum thread: G 2"**

D O

Part Number Description

131 130 100 KP 01