

GO WITH THE FLOW.



**75** ANS  
**HORN**



# Product Catalogue

[www.tecalemit.de](http://www.tecalemit.de)

A HORNGROUP BRAND



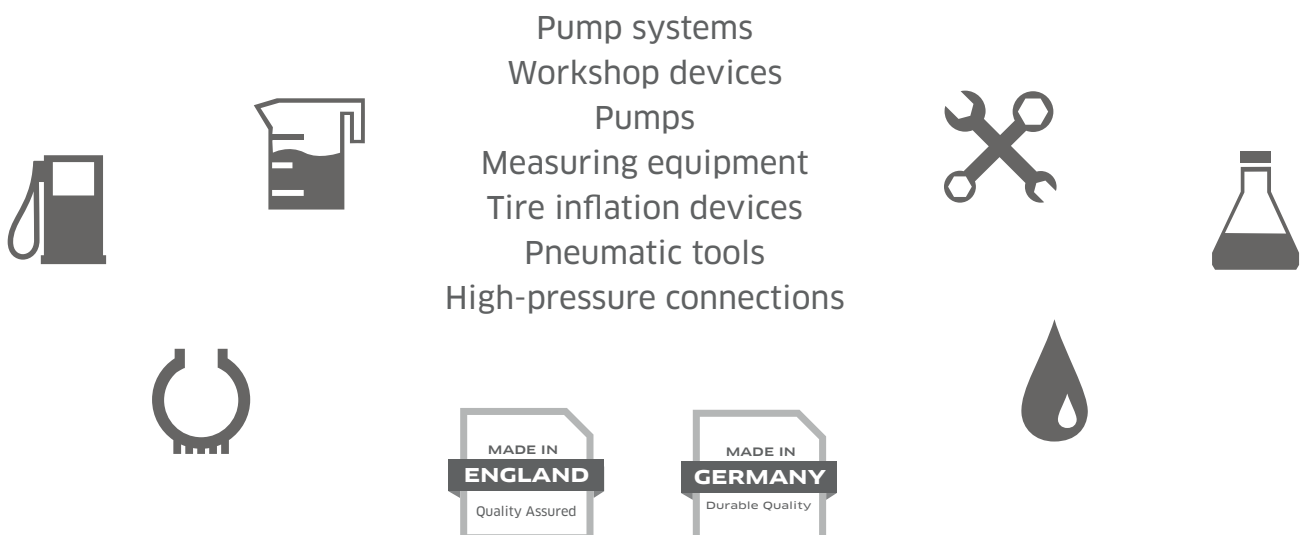
# HORNGROUP



With five international offices, HORNGROUP is a global expert and manufacturer of products and services for the measurement, conveying, control, and monitoring of liquids and gases.

This also includes the TECALEMIT and PCL brands, which stand for long-standing recognition, quality, and tradition (1922/1938) in their respective markets.

HORNGROUP's range of products and services focuses on the following areas:















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## Legend – Compatible media

 Diesel, Heating oil	 Fresh oil	 Grease	 Fuel	 Waste oil
 Air	 AdBlue®	 Chemicals	 Radiator antifreeze	 Water

Versatile and indestructible

# Hand pump K 10 C

For diesel, heating oil, radiator antifreeze, and fuels (flammable liquids)



## Key technical data:

- Delivery rate: 0.25 l/stroke
- Drum screw thread M 64 x 4 and G 2"
- Single-acting reciprocating pump
- Telescopic suction pipe 470 mm – 925 mm
- Hose kit 1.5 m, DN19 x 4 electrically conductive, with outlet manifold AK 20



Part no.:	Description
103 089 100	Hand pump K 10 C kit with hose kit and telescopic suction pipe
103 089 200	Same as 103 089 100, but with additional potential equalization cable
316 103 100	Hose kit 365 x DN19 x 4 as replacement



## Hand pump KH 2

Hand-operated reciprocating pump for conveying diesel, heating oil EL/L and radiator antifreeze (concentrate) from drums and small containers.

### Key technical data

- Delivery rate: 0.1 l/stroke
- Suction pipe 840 mm
- Drum screw thread G 2"
- Includes hose kit PVC DN 16 x 2; 1.2 m long, valve manifold VK 18

Part no.:	Description
101 073 100	Hand pump KH 2



Pumps

Flow meters



## Hand pump KH 2 H

Hand-operated reciprocating pump for conveying diesel, heating oil EL/L and radiator antifreeze (concentrate) from drums and small containers.

### Key technical data:

- Delivery rate: 0.1 l/stroke
- Suction pipe 1,500 mm
- Drum screw thread G 2"
- Incl. Hose kit PVC DN 16 x 2; 1.2 m long, outlet manifold AK 18
- Siphon effect

Part no.:	Description
101 117 200	Hand pump KH 2 H



Pump systems

Fill level sensors



## Hand pump PCP 250

Hand-operated reciprocating pump for the conveying of chemicals from drums and small containers.

### Key technical data:

- Delivery rate: 0.25 l/stroke
- Suction pipe 840 mm
- Drum screw thread G 2"
- Incl. hose kit, 1.2 m long

Part no.:	Description
131 053 200	PCP 250



Workshop technology

Workshop accessories



## Hand lever pump for AdBlue®

Hand lever pump for conveying AdBlue® out of 200 ltr drums.

### Key technical data:

- Delivery rate: 0.5 l/stroke
- Suction pipe 690 - 980 mm
- Drum screw thread 2" BSP
- Incl. pressure hose 1.5 m with outlet manifold

Part no.:	Description
131 053 000	Hand lever pump for AdBlue®



Robust and reliable

# Hand pump OK 9 B

For engine, gear, and hydraulic oils



## Key technical data:

- Delivery rate: 0.25 l/stroke
- Drum screw thread M 64 x 4 and G 2"
- Single-acting reciprocating pump
- Telescopic suction pipe 490 mm – 925 mm
- Drip-proof outlet
- Locking mechanism for padlock

**0**

## Part no.:

## Description

122 029 000	Hand pump OK 9 B
122 029 100	Same as 122 029 000, but with hose kit, 1.5 m long and outlet manifold
308 103 100	Hose kit 40 x DN 19 x 4 as replacement

**DO**

## Hand crank pump KP 01

Hand-operated pump for the conveying of diesel, heating oil EL/L, low-viscosity mineral oils up to SAE 50, engine and gear oils up to SAE 140, and hydraulic oil.

### Key technical data

- Delivery rate: 0.25 l/rotation
- Suction pipe length 990 mm
- Drum screw thread G 2"

Part no.:	Description
131 130 100	Hand crank pump KP 01



## Hand pump HK 07

**O**

Hand-operated pump for the conveying of engine, gear, and hydraulic oil from drums and small containers.

### Key technical data

- Delivery rate: 0.35 l/stroke
- Telescopic suction pipe up to 850 mm
- Drum screw thread G 2"

Part no.:	Description
129 501 700	Hand pump HK 07



## Hand pump OH 1

**O**

Hand-operated pump for the conveying of gear oils up to SAE 140, for 20 - 25 liter small containers, (max. height 450 mm).

### Key technical data

- Delivery rate: 0.25 l/stroke
- Suction pipe 840 mm
- Drum screw thread G 2"
- Incl. hose kit, 1.2 m long, outlet nozzle AH 14

Part no.:	Description
122 210 009	OH 1



## Hand pump TG 5

**O**

Hand-operated pump for the conveying of gear oils up to SAE 140, for 20 - 60 liter small containers, (max. height 650 mm).

### Key technical data

- Delivery rate: 0.5 l/stroke
- Suction pipe 680 mm
- Drum screw thread G 2"
- Scope of delivery does not include hose kit

Part no.:	Description
122 300 000	TG 5
306 153 000	Hose kit with outlet nozzle AH 14





Electric drum pumps

# HORNET W 40

For diesel, heating oil, and radiator antifreeze concentrate. Electric centrifugal pump, non-self-priming, made of high-quality, impact-resistant plastic housing.



## Key technical data:

- Delivery rate up to 38 l/min. (viscosity- and system-dependent)
- Drum screw thread M 64 x 4 and G 2"
- Integrated siphon protection
- Thermal protection device
- Delivered in a set incl. 4 m dispensing hose, 1.6 m suction hose incl. suction filter and standard dispensing nozzle ZP 19 and/or type-approved automatic dispensing nozzle A2010
- Voltage supply 230 V AC or 12 V and 24 V
- Connecting cable 2 m with "Schuko" plug and/or low-voltage plug
- Protection class: IP 44



Part no.:	Description	Voltage	Dispensing nozzle
104 428 700	HORNET W 40	230 V AC	Standard (ZP 19)
104 438 700	HORNET G 40/12	12 V DC	Standard (ZP 19)
104 448 700	HORNET G 40/24	24 V DC	Standard (ZP 19)
104 528 700	HORNET W 40 A	230 V AC	Automatic (A 2010)
104 538 700	HORNET G 40/12 A	12 V DC	Automatic (A 2010)
104 548 700	HORNET G 40/24 A	24 V DC	Automatic (A 2010)



## Electronic flow meter FMT 3, retrofit set



### Key technical data

- Freely rotatable (360°) after installation
- Turbine meter
- Variable display orientation (in 90° steps)
- Large, illuminated, 4- and 7-digit display
- Nominal pressure 10 bar
- Precise measurements – better than  $\pm 1\%$
- Shows flow rate
- Battery 2 x 1.5 V Micro (AA) cell (service life approx. 5 years)

Part no.:	Description
253 591 000	FMT 3 add-on kit W 40



## Hose kit

Replacement hose 1,600 mm, with foot filter for HORNET W 40

Part no.:	Description
234 401 000	Suction hose HORNET W 40 complete



## Dispensing hose, diesel-resistant

Dispensing hose 40 x (sold by the meter) DN 19 x 4 for HORNET W 40

Part no.:	Description
247 080 000	Pressure hose DN 19 x 4, 40 x, sold by the meter



## Standard dispensing nozzle ZP 19

Standard dispensing nozzle ZP 19 made of impact-resistant plastic. Hose socket for connecting DN 19 hose with swivel joint

Part no.:	Description
252 400 000	Standard dispensing nozzle ZP 19



## Automatic dispensing nozzle A 2010

Type-approved automatic dispensing nozzle A 2010 made of aluminum. Hose socket for connecting DN 19 hose with swivel joint

Part no.:	Description
252 610 000	Automatic dispensing nozzle A 2010, hose socket



Electric drum pump

## TecPump 600

The new TecPump 600 vane pump for the conveying of diesel, heating oil, and radiator antifreeze concentrate impresses with its robustness and a high delivery rate.



The TecPump 600 is available in many variants, which means it is tailored to many applications in agriculture, workshops, and industrial settings. A variety of configurations make the pump indispensable in many areas of use, and easy to integrate into existing systems.

### **The benefits:**

- Delivery rate up to 55 l/min. (viscosity- and system-dependent)
- High throughput
- With/without integrated suction protection
- Integrated filter on the suction side
- Integrated overflow valve

### **Optional**

- 4 m, 6 m, or 8 m dispensing hose
- Standard dispensing nozzle ZP 19 or automatic dispensing nozzle A 2010
- FMT 3 meter or Z 400 meter
- Mounting device for wall mounting



# TecPump 600



## TecPump 600 (without accessories)

### TecPump 600 without accessories

Electric, self-priming vane pump, for diesel, heating oil, and radiator antifreeze (undiluted)

- Delivery rate up to 55 l/min.
- Supply voltage 230 V/50 Hz
- Integrated filter on the suction side
- Suction stage with integrated siphon protection (Part no. 105 600 000)

Part no.:	Description
105 600 000	TecPump 600 standard
105 600 100	TecPump 600 standard (without siphon protection)



## TecPump 600 eco (set with hose and dispensation nozzle)

### TecPump 600 eco

Electric, self-priming vane pump, for diesel, heating oil, and radiator antifreeze with dispensing hose and dispensing nozzle incl. swivel hose joint

- Delivery rate up to 55 l/min.
- Supply voltage 230 V/50 Hz
- Integrated filter on the suction side
- Suction stage with integrated siphon protection
- 4 m, 6 m, or 8 m dispensing hose
- Includes ZV 2000 dispensing nozzle

Part no.:	Description
105 610 400	TecPump 600 eco with 4 m dispensing hose
105 610 600	TecPump 600 eco with 6 m dispensing hose
105 610 800	TecPump 600 eco with 8 m dispensing hose



**TecPump 600 standard (with automatic dispensing nozzle and optionally with meter)**

**TecPump 600 standard**

Electric, self-priming vane pump, for diesel, heating oil/EL, and radiator antifreeze with dispensing hose, meter, and automatic A2010 dispensing nozzle incl. swivel hose joint

- Delivery rate up to 55 l/min.
- Supply voltage 230 V/50 Hz
- Integrated filter on the suction side
- Integrated siphon protection
- 4 m, 6 m, or 8 m dispensing hose
- Includes A 2010 dispensing nozzle
- Optional: incl. analog or digital meter



Standard

**Part no.: Description**

105 620 400	TecPump 600 standard with 4 m dispensing hose and automatic dispensing nozzle
105 620 600	TecPump 600 standard with 6 m dispensing hose and automatic dispensing nozzle
105 620 800	TecPump 600 standard with 8 m dispensing hose and automatic dispensing nozzle
105 621 400	TecPump 600 Z400 with 4 m dispensing hose and automatic dispensing nozzle
105 621 600	TecPump 600 Z400 with 6 m dispensing hose and automatic dispensing nozzle
105 621 800	TecPump 600 Z400 with 8 m dispensing hose and automatic dispensing nozzle
105 622 400	TecPump 600 FMT 3 with 4 m dispensing hose and automatic dispensing nozzle
105 622 600	TecPump 600 FMT 3 with 6 m dispensing hose and automatic dispensing nozzle
105 622 800	TecPump 600 FMT 3 with 8 m dispensing hose and automatic dispensing nozzle



Z 400



FMT 3

**TecPump 600 HDT (1,000 l tank with automatic dispensing nozzle and optionally with meter)**

**TecPump 600 HDT**

Electric, self-priming vane pump, for diesel, heating oil, and radiator antifreeze with dispensing hose, meter, and automatic A2010 dispensing nozzle incl. swivel hose joint

- Delivery rate up to 55 l/min.
- Supply voltage 230 V/50 Hz
- Integrated filter on the suction side
- Integrated siphon protection
- 4 m dispensing hose
- Includes A 2010 dispensing nozzle
- 1,000 l steel tank with holder
- Optional: incl. analog or digital meter



**Part no.: Description**

110 320 400	TecPump 600 HDT with 4 m dispensing hose and automatic dispensing nozzle
110 330 400	TecPump 600 Z 400 HDT with 4 m dispensing hose and automatic dispensing nozzle
110 340 400	TecPump 600 FMT 3 HDT with 4 m dispensing hose and automatic dispensing nozzle



FMT 3



Z 400



**TecPump 600 system (mounting bracket with automatic dispensing nozzle and optionally with meter)**

**TecPump 600 system**

Electric, self-priming vane pump, for diesel, heating oil, and radiator antifreeze with dispensing hose, meter, and automatic A2010 dispensing nozzle incl. swivel hose joint

- Delivery rate up to 55 l/min.
- Supply voltage 230 V/50 Hz
- Integrated filter on the suction side
- Integrated siphon protection
- 4 m dispensing hose
- Includes A 2010 dispensing nozzle
- Mounting bracket for wall mounting
- Optional: incl. analog or digital meter, non-legally calibratable



Part no.:	Description
110 350 400	TecPump 600 system with 4 m dispensing hose and automatic dispensing nozzle
110 360 400	TecPump 600 Z 400 system with 4 m dispensing hose and automatic dispensing nozzle
110 370 400	TecPump 600 FMT 3 system with 4 m dispensing hose and automatic dispensing nozzle

FMT 3



Z 400



**Technical characteristics**

Pump type:	Vane pump
Temperature of medium:	-10 °C to +40 °C
Ambient temperature:	-20 °C to +40 °C
Max. suction head:	4.0 m*
Max. nominal delivery pressure:	2.0 bar*
Max. nominal delivery volume:	55 l/min
Barrel thread:	G 2" connecting thread
Intake side:	G 1" connecting thread
Cable length:	2.0 m
Protection class:	IP 54
Nominal voltage:	230 V / 50 Hz
Power rating:	370 W
Rated current:	4.5 A
Power-on time:	100 %
Dimensions (W × H × D):	approx. 150 × 182 × 245 mm
Weight:	approx. 7.6 kg

\*Values for: Immersion depth of 1,600 mm,  
DN19 x 4,000 mm pressure hose with dispensation nozzle

Electric drum pumps

# HORNET G 50 II

For diesel, heating oil EL/L (for non-flammable media), and radiator antifreeze (concentrate).

Electrically powered vane pump, self-priming, with integrated siphon protection.



## Key technical data:

- Delivery rate up to 55 l/min. (viscosity- and system-dependent)
- Drum screw thread R 2"
- Integrated siphon protection
- Thermal protection device
- Delivered in a set incl. 4 m dispensing hose, 1.6 m suction hose with foot filter and standard dispensation nozzle ZV 2000 and/or type-approved automatic dispensing nozzle A 2010
- Voltage supply 12 V and 24 V
- Connecting cable 2 m with "Schuko" plug and/or low-voltage plug
- Protection class: IP 54



Part no.:	Description	Voltage	Dispensing nozzle
106 538 700	HORNET G 50/12 II	12 V DC	Automatic (A 2010)
106 548 700	HORNET G 50/24 II	24 V DC	Automatic (A 2010)
106 838 700	HORNET G 50/12 II basic set	12 V DC	Standard (ZV 2000)
106 848 700	HORNET G 50/24 II basic set	24 V DC	Standard (ZV 2000)



## Electronic flow meter FMT 3, add-on kit

**D W U R**

### Key technical data

- Freely rotatable (360°) after installation
- Turbine meter
- Variable display orientation (in 90° steps)
- Large, illuminated, 4- and 7-digit display
- Nominal pressure 10 bar
- Precise measurements – better than  $\pm 1\%$
- Shows flow rate
- Battery 2 x 1.5 V Micro (AA) cell (service life approx. 5 years)

Part no.:	Description
253 591 004	FMT 3 add-on kit G 50/W 80



## Mechanical roller counter Z 400

**D F R**

Flow rate meter for streaming liquids according to the measurement principle of a swashplate.

### Key technical data

- For diesel, heating oil EL/L, radiator antifreeze concentrate, RME, fuels, vegetable oil
- Includes all components for installation on a HORNET G 50/W 80
- Accuracy  $\pm 3\%$

Part no.:	Description
253 010 101	Z 400 add-on kit for HORNET G 50/W 80



## Dispensing hose

Dispensing hose for HORNET G 50 II, Visconet II, HORNET W 85 H, length 4 m

Part no.:	Description
331 000 400	Dispensing hose DN 19 x 4, G 1" AG, attached connectors



## Dispensing hose

Dispensing hose for HORNET G 50 II, Visconet II, HORNET W 85 H, length 6 m

Part no.:	Description
331 000 600	Dispensing hose DN 19 x 4, G 1" AG, attached connectors



## Dispensing hose

Dispensing hose for HORNET G 50 II, Visconet II, HORNET W 85 H, length 8 m

Part no.:	Description
331 000 800	Dispensing hose DN 19 x 4, G 1" AG, attached connectors



## Automatic dispensing nozzle A 2010

Type-approved automatic dispensing nozzle A 2010 made of aluminum. For HORNET G 50 II and HORNET W 85 H electric pumps, with 1" IG hose swivel joint

Part no.:	Description
252 620 000	Automatic dispensing nozzle A 2010



Hybrid pumps

# HORNET W 85

For diesel, heating oil EL/L (for non-flammable media), and radiator antifreeze (concentrate).

Self-priming, low-wear – high-powered!



## Key technical data:

- Delivery rate max. 85 l/min. (depends on viscosity and system)
- Drum screw thread G 2"
- Delivered in a set:  
HORNET W 85 H, incl. 4 m dispensation hose DN 19 x 4, 1.6 m suction hose with foot filter and type-approved automatic dispensing nozzle A 2010  
HORNET W 85 H X, incl. 4 m dispensation hose DN 25 x 4, 1.6 m suction hose with foot filter and type-approved automatic dispensing nozzle A 2015
- Voltage supply 230 V AC
- Connecting cable 2 m with "Schuko" plug
- Protection class: IP 54



Part no.:	Description	Voltage	Dispensing nozzle
108 500 100	HORNET W 85 H	230 V AC	Automatic (A 2010)
108 510 100	HORNET W 85 H with speed control	230 V AC	Automatic (A 2010)
108 700 100	HORNET W 85 H X	230 V AC	Automatic (A 2015)
108 710 100	HORNET W 85 H X with speed control	230 V AC	Automatic (A 2015)

## Electronic flow meter FMT 3, add-on kit



### Key technical data

- Freely rotatable (360°) after installation
- Turbine meter
- Variable display orientation (in 90° steps)
- Large, illuminated, 4- and 7-digit display
- Nominal pressure 10 bar
- Precise measurements – better than ±1%
- Shows flow rate
- Battery 2 x 1.5 V Micro (AA) cell (service life approx. 5 years)

Part no.:	Description
253 591 020	FMT 3 add-on kit W 85 H



## Automatic dispensing nozzle A 2010

Type-approved automatic dispensing nozzle A 2010 made of aluminum. For HORNET W 85 H electric pump, with 1" IG hose swivel joint

Part no.:	Description
252 620 000	Automatic dispensing nozzle A 2010



## Automatic dispensing nozzle A 2015

Type-approved automatic dispensing nozzle A 2015 made of aluminum. For HORNET W 85 H X electric pump, with 1" IG hose swivel joint

Part no.:	Description
252 660 000	Automatic dispensing nozzle A 2015



## Hose

for HORNET W 85 H

Part no.:	Description
331 000 200	Hose DN 19 x 4, G 1" AG, 2.00 m, attached connectors
331 000 400	Hose DN 19 x 4, G 1" AG, 4.00 m, attached connectors
331 000 600	Hose DN 19 x 4, G 1" AG, 6.00 m, attached connectors
331 000 800	Hose DN 19 x 4, G 1" AG, 8.00 m, attached connectors



## Hose

for HORNET W 85 H X

Part no.:	Description
319 000 899	Dispensing hose DN 25, G 1" AG, 8.00 m, attached connectors



## Suction hose

for HORNET W 85 H + HX

Part no.:	Description
234 338 000	Suction hose DN 19 x 4, 1,600 mm, with Filter



## Filter FFT 26

for HORNET W 85

Part no.:	Description
245 050 000	Filter FFT 26



## Wall bracket

for HORNET W 85 H + X, made of stainless steel

Part no.:	Description
209 050 010	Wall bracket



## Nozzle holder

for HORNET W 85

Part no.:	Description
816 420 004	Nozzle holder



## Non-return kit for siphon protection

for HORNET W 85

5 m siphon protection hose with connectors for refueling to the storage tank.

Part no.:	Description
208 085 000	Non-return kit



Hybrid pump systems for heating oil additives

# HORNET W 85 H GT pro\*

Satisfies the toughest requirements



## Key technical data:

- Delivery rate max. 85 l/min. (depends on viscosity and system)
- Drum connector G 2", height-adjustable
- Stainless steel suction pipe 1.00 m long
- 3 m dispensing hose with anti-kink spring
- Automatic dispensing nozzle A 2003-ES with nozzle holder
- Voltage supply 230 V AC
- Connecting cable 4 m with "Schuko" plug
- Protection class: IP 54

**D**

## Note:

HORNET W 85 H GT pro is approved for the heating oil additives from the Guard Thermic series by the manufacturer ERC Additive GmbH. In cases of doubt, have compatibility with the media verified.

Part no.:	Description	Voltage	Dispensing nozzle
108 620 300	HORNET W 85 H GT pro with speed control	230 V AC	Automatic (A 2003-ES)



GO WITH THE FLOW.

## Universal transport cart DrumMobil 200

Drum transport cart

Part no.:	Description
027 952 503	Universal transport cart DrumMobil 200



## Automatic dispensing nozzle A 2003-ES

For HORNET W 85 H INOX electric pump, for AdBlue®, stainless steel, outlet diameter 19 mm incl. hose swivel joint with hose socket DN 20, without catch.

Part no.:	Description
252 712 032	Automatic dispensing nozzle A 2003-ES



Pumps

Flow meters

Pump systems

Fill level sensors

Workshop technology

Workshop accessories

Hybrid pumps

# HORNET W 85 H INOX

Maximum variety - High-end performance  
for your AdBlue® dispensations  
Self-priming, low-wear – high-powered!



## Key technical data:

- Delivery rate max. 48 l/min. (depends on viscosity and system)
- Drum screw thread G 2", only for drum pump version
- Delivered in a set with universal console, SEC coupling, incl. dispensing hose DN 19, either with automatic dispensing nozzle A 2003-KS or standard dispensing nozzle, with/without electronic flow meter FMT 3
- Voltage supply 230 V AC, 550 W
- Connecting cable 2 m with "Schuko" plug
- Protection class: IP 54



Part no.:	Description	Voltage	Dispensing nozzle
108 600 100	HORNET W 85 H INOX	230 V AC	Automatic (A 2003-KS)
108 601 101	HORNET W 85 H INOX FMT 3	230 V AC	Automatic (A 2003-KS)
108 600 300	HORNET W 85 H INOX Light	230 V AC	Plastic dispensing nozzle
<b>Drum pump version</b>			
108 600 400	HORNET W 85 H INOX	230 V AC	Automatic (A 2003-KS)
108 601 401	HORNET W 85 H INOX FMT 3	230 V AC	Automatic (A 2003-KS)
108 600 600	HORNET W 85 H INOX Light	230 V AC	Plastic dispensing nozzle



**D W U R**

## FMT 3 Electronic flow meter

### Key technical data

- For diesel/heating oil, AdBlue®, radiator antifreeze and water
- Freely rotatable (360°) after installation
- Turbine meter
- Variable display orientation (in 90° steps)
- Large, illuminated, 4- and 7-digit display
- Nominal pressure 10 bar
- POM
- Precise measurements – better than ±1%
- Shows flow rate

Part no.:	Description
253 591 000	FMT 3 flow meter
253 591 004	Attachment set FMT 3 universal, 2 x DN 19



## SEC suction pipe and SEC coupling

SEC coupling for connecting to the suction line in the universal/side console version.

Part no.:	Description
250 900 100	SEC suction pipe length 865 mm
250 900 200	SEC coupling



## Plastic dispensing nozzle AdBlue®

Incl. swivel joint and hose socket

Part no.:	Description
252 350 000	Plastic dispensing nozzle AdBlue®



## HORN Automatic dispensing nozzle A 2003-KS

For HORNET W 85 H INOX pump, for AdBlue®, plastic, outlet diameter 19 mm incl. swivel joint with hose socket DN 20, without catch.

Part no.:	Description
252 712 030	Automatic dispensing nozzle A 2003-KS



## HORN automatic dispensing nozzle AdBlue®, for passenger cars

The automatic dispensing nozzle AdBlue® is designed specifically for filling tanks in passenger cars. The outlet pipe fits passenger cars with an ISO 22241-5 filler neck.

Part no.:	Description
252 713 010	Passenger car dispensing nozzle AdBlue®



## Dispensing hose for AdBlue®

Part no.:	Description
247 440 010	Dispensing hose DN 19 x 4, sold by the meter



Electric pumps

# VISCONET II

For engine and gear oil  
up to SAE 80



Electric self-priming vane pump for use in agriculture, industry, workshops, petrol stations and similar facilities.

**O**

- Delivery rate max. 28 l/min. (depends on viscosity and system)
- Viscosity (at 700 watts) 100 - 2,000 mPa·s
- Drum screw thread G 2"
- Dispensing nozzle with hose swivel joint
- Motor with thermal protection device
- On/off switch
- Also available with FMOGne electronic flow meter

Part no.:	Description	Voltage	Dispensing nozzle
104 123 700	VISCONET II	230 V AC	Oil dispensing nozzle ZV 2000
104 133 701	VISCONET II FMOGne	230 V AC	Oil dispensing nozzle ZV 2000
104 123 702	VISCONET II HDZne	230 V AC	FMOGne hand flow meter

GO WITH THE FLOW.

## Standard dispensing nozzle ZV 2000

For VISCONET II electric pump, with hose swivel joint 1" IG, outlet tap Ø 25 mm

Part no.:	Description
252 300 000	Standard dispensing nozzle ZV 2000



## FMOGne hand flow meter

Incl. axial swivel joint 1/2" IG

Part no.:	Description
027 170 211	HDZ FMOG MÖ (engine oil), digital, non-legally calibratable
027 170 221	HDZ FMOG GÖ (gear oil), digital, non-legally calibratable



## Dispensing hose

Dispensing hose for Visconet II, length 4 m

Part no.:	Description
331 000 400	Dispensing hose DN 19 x 4, G 1" AG, attached connectors



## FMOGne add-on kit

For VISCONET II

Part no.:	Description
253 520 200	FMOGne add-on kit



Pumps

Flow meters

Pump systems

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Workshop technology

Workshop accessories

GO WITH THE FLOW.



Compressed air pumps

# TecPump DP X6

## Rapid Installation, maximum Variety



In order to meet the daily requirements in workshops and industry, technology is required which can withstand high loads and covers a wide range of applications.

With the new generation of TecPump DP X6 pneumatically driven piston pumps, TECALEMIT provides a robust and energy-efficient solution which also covers a wide range of applications. Available with the transmission ratios 1:1, 3:1, and 5:1, the new product generation provides solutions to a wide range of problems.

### The Benefits:

- Pumping capacity up to 16 l/min.
- Wide range of accessories
- Low noise
- For high viscosity
- Low air consumption



## TecPump DP X6 compressed air pumps – Complete sets

### Part no. 121 421 400 TecPump DP 16 eco compressed air pump



Pneumatically driven TecPump DP 16 piston pump in a complete set consisting of:

- TecPump DP 16 compressed air pump with 1:1 transmission ratio
- 940 mm suction pipe incl. 2" drum connector
- 4.0 m dispensing hose
- Oil dispensing nozzle with motor oil spout (mounted) and gearbox oil spout (included)
- Pressure regulator for compressed air supply incl. shut-off valve
- Compressed air connecting hose, length 2.5 m, spiral version incl. compressed air coupling and compressed air plug nipple DN 7.2

### Part no. 121 421 500 TecPump DP 16 standard compressed air pump



Pneumatically driven TecPump DP 16 piston pump in a complete set consisting of:

- TecPump DP 16 compressed air pump with 1:1 transmission ratio
- 940 mm suction pipe incl. 2" drum connector
- 4.0 m dispensing hose
- Electr. FMOG hand flow meter, non-legally calibratable, with mounted motor oil spout and gear oil spout (included)
- Pressure regulator for compressed air supply incl. shut-off valve
- Compressed air connecting hose, length 2.5 m, spiral version incl. compressed air coupling and compressed air plug nipple DN 7.2

### Part no. 121 423 400 TecPump DP 36 eco compressed air pump



Pneumatically driven TecPump DP 36 piston pump in a complete set consisting of:

- TecPump DP 36 compressed air pump with 3:1 transmission ratio
- 940 mm suction pipe incl. 2" drum connector
- 4.0 m dispensing hose
- Oil dispensing nozzle with motor oil spout (mounted) and gearbox oil spout (included)
- Pressure regulator for compressed air supply incl. shut-off valve
- Compressed air connecting hose, length 2.5 m, spiral version incl. compressed air coupling and compressed air plug nipple DN 7.2

### Part no. 121 423 500 TecPump DP 36 standard compressed air pump



Pneumatically driven TecPump DP 36 piston pump in a complete set consisting of:

- TecPump DP 36 compressed air pump with 3:1 transmission ratio
- 940 mm suction pipe incl. 2" drum connector
- 4.0 m dispensing hose
- Electr. FMOG hand flow meter, non-legally calibratable, with mounted motor oil spout and gear oil spout (included)
- Pressure regulator for compressed air supply incl. shut-off valve
- Compressed air connecting hose, length 2.5 m, spiral version incl. compressed air coupling and compressed air plug nipple DN 7.2

### Part no. 121 423 600 TecPump DP 36 pro compressed air pump



Pneumatically driven TecPump DP 36 piston pump in a complete set consisting of:

- TecPump DP 36 compressed air pump with 3:1 transmission ratio
- Wall bracket, 1.0 m connecting hose to pipe system
- Drum suction line, 900 mm incl. 2" drum connector
- eco hose reel with 10 m pressure hose and 0.75 m flex. connection hose
- Electr. FMOG hand flow meter, non-legally calibratable, with mounted motor oil spout and gear oil spout (included)
- Pressure regulator for compressed air supply incl. shut-off valve
- Compressed air connecting hose, length 2.5 m, spiral version incl. compressed air coupling and compressed air plug nipple DN 7.2

### Part no. 121 425 400 TecPump DP 56 eco compressed air pump



Pneumatically driven TecPump DP 56 piston pump in a complete set consisting of:

- TecPump DP 56 compressed air pump with 5:1 transmission ratio
- 940 mm suction pipe incl. 2" drum connector
- 4.0 m dispensing hose
- Oil dispensing nozzle with mounted motor oil spout and gear oil spout (included)
- Pressure regulator for compressed air supply incl. shut-off valve
- Compressed air connecting hose, length 2.5 m, spiral version incl. compressed air coupling and compressed air plug nipple DN 7.2

## DP X6 compressed air pumps – Complete sets

### Part no. 121 425 500 TecPump DP 56 standard compressed air pump



Pneumatically driven TecPump DP 56 piston pump in a complete set consisting of:

- TecPump DP 56 compressed air pump with 5:1 transmission ratio
- 940 mm suction pipe incl. 2" drum connector
- 4.0 m dispensing hose
- Electr. FMOG hand flow meter, non-legally calibratable, with mounted motor oil spout and gear oil spout (included)
- Pressure regulator for compressed air supply incl. shut-off valve
- Compressed air connecting hose, length 2.5 m, spiral version incl. compressed air coupling and compressed air plug nipple DN 7.2

### Part no. 121 425 600 TecPump DP 56 pro compressed air pump



Pneumatically driven TecPump DP 56 piston pump in a complete set consisting of:

- TecPump DP 56 compressed air pump with 5:1 transmission ratio
- Wall bracket, 1.0 m connecting hose to pipe system
- Drum suction line, 900 mm incl. 2" drum connector
- Eco hose reel with 10 m pressure hose and 0.75 m flex. connection hose
- Electr. FMOG hand flow meter, non-legally calibratable, with mounted motor oil spout and gear oil spout (included)
- Pressure regulator for compressed air supply incl. shut-off valve
- Compressed air connecting hose, length 2.5 m, spiral version incl. compressed air coupling and compressed air plug nipple DN 7.2

## Accessories

Part no.	Description	For use with
AA7102	Compressed air plug nipple XF adapter, DN 7.2 ¼" AG	All DP X6 models
029 030 306	Compressed air connecting hose, length 2.5 m Spiral version incl. compressed air coupling Compressed air plug nipple DN 7.2	All DP X6 models
027 110 152	Pressure regulator ¼" incl. shut-off valve and manometer	All DP X6 models
043 332 400	Wall bracket incl. screws for fixing pump in place	All DP X6 models with short suction pipe (S)
043 508 480	Drum connector (included in scope of delivery for models with long suction pipe (D))	All DP X6 models
029 056 461	Drum suction line, 900 mm incl. flex. connecting hose and 2" BSP drum connector	All DP X6 models with short suction pipe (S)
029 056 471	Tank suction line, 1,800 mm incl. flex. connecting hose and 2" BSP drum connector	All DP X6 models with short suction pipe (S)
029 063 006	Pressure hose for DPX6, 0.6 m ½" IG/AG, max. operating pressure 160 bar	All DP X6 models
029 063 010	Pressure hose for DPX6, 1.0 m ½" IG/AG, max. operating pressure 160 bar	All DP X6 models
029 063 020	Pressure hose for DPX6, 2.0 m ½" IG/AG, max. operating pressure 160 bar	All DP X6 models
029 063 040	Pressure hose for DPX6, 4.0 m ½" IG/AG, max. operating pressure 160 bar	All DP X6 models
029 063 100	Pressure hose for DPX6, 10.0 m ½" IG/AG, max. operating pressure 160 bar	All DP X6 models
405 500 800	Ball valve ½" IG/AG brass nickel-plated	All DP X6 models
043 332 351	Wall hose holder	All DP X6 models
013 496 001	Eco hose reel with 10 m pressure hose and 0.75 m flex. connection hose	All DP X6 models
013 496 005	Eco hose reel with 15 m pressure hose and 0.75 m flex. connection hose	All DP X6 models
027 240 432	Dispensing nozzle for motor oil	All DP X6 models
027 240 552	Dispensing nozzle for gear oil	All DP X6 models
043 561 011	Drip oil pan, one-piece; fits a dispensing nozzle or hand flow meter	All DP X6 models



## Compressed Air Pumps TecPump DP X6

Whether as a complete set or a project-specific configuration, experience the powerful performance of the TecPump DP X6 for yourself today.

Part no.	Description	Scope of delivery
121 421 000	TecPump DP 16 S compressed air pump Transmission ratio 1:1	TecPump DP 16 S compressed air pump with short suction pipe for mounting on a wall or bracket. Connection thread on suction pipe: 1" IG BSP
121 421 100	TecPump DP 16 D compressed air pump Transmission ratio 1:1	TecPump DP 16 D compressed air pump with long suction pipe for 60 and 200 l drums incl. 2" BSP drum connector
121 423 000	TecPump DP 36 S compressed air pump Transmission ratio 3:1	TecPump DP 36 S compressed air pump with short suction pipe for mounting on a wall or bracket. Connection thread on suction pipe: 1" IG BSP
121 423 100	TecPump DP 36 D compressed air pump Transmission ratio 3:1	TecPump DP 36 D compressed air pump with long suction pipe for 60 and 200 l drums incl. 2" BSP drum connector
121 425 000	TecPump DP 56 S compressed air pump Transmission ratio 5:1	TecPump DP 56 S compressed air pump with short suction pipe for mounting on a wall or bracket. Connection thread on suction pipe: 1" IG BSP
121 425 100	TecPump DP 56 D compressed air pump Transmission ratio 5:1	TecPump DP 56 D compressed air pump with long suction pipe for 60 and 200 l drums incl. 2" BSP drum connector

Tecnical data	DP 16	DP 36	DP 56
Transmission ratio:	1:1	3:1	5:1
Max. viscosity:	5.000 mPas	5.000 mPas	5.000 mPas
Delivery rate @ 6bar:	16 l/min.	13 l/min.	15 l/min.
Operating pressure:	6-8 bar	6-8 bar	6-8 bar
Air inlet:	1/4" IG BSP	1/4" IG BSP	1/4" IG BSP
Pressure port:	1/2" AG BSP	1/2" AG BSP	1/2" AG BSP
Noise level:	79 dB	79 dB	79 dB
Air consumption:	300 l/min.	300 l/min.	330 l/min.
Suction pipe diameter:	42 mm	42 mm	42 mm
Suction pipe length S:	290 mm	290 mm	290 mm
Suction pipe length D:	940 mm	940 mm	940 mm
Dimensions S:	130 x 130 x 600 mm	130 x 130 x 600 mm	130 x 130 x 600 mm
Dimensions D:	130 x 130 x 1300 mm	130 x 130 x 1300 mm	130 x 130 x 1300 mm
Weight S:	3,9 kg	3,9 kg	4,9 kg
Weight D:	4,9 kg	4,9 kg	6,9 kg

Pneumatic pump

# Drum oil dispenser PPne

Non-legally calibratable; for engine, gear, and hydraulic oils, as well as radiator antifreeze.



Pneumatically-driven reciprocating pump for the conveying of lubricants out of drums.

- Delivery rate: 10 l/min.
- Viscosity 8 - 5000 mPa·s
- Drum screw thread G 2"
- Air pressure regulator and plug for compressed air supply
- For conveying, dispensing, and transferring liquid, non-flammable media
- **Scope of delivery does not include pump hose, discharge nozzle, or surge tank**

Part no.:	Description
015 431 551	Pneumatic pump PPne

**O**

## Dispensing hose

For oil

Part no.:	Description
029 060 442	DN 16, 4.50 m long, G 1/2" AG



## Dispensing hose

For oil

Part no.:	Description
029 060 462	DN 16, 6.30 m long, G 1/2" AG



## FMOG hand flow meter for engine oil, digital, non-legally calibratable

Incl. axial swivel joint IG 1/2"

### Key technical data

- For engine oil and radiator antifreeze (concentrate)
- Oval gear meter
- Aluminum housing
- Lithium battery for approx. 10-year service life, plug-in

Part no.:	Description
027 170 211	FMOG hand flow meter for engine oil, digital



## FMOG hand flow meter for gear oil, digital, non-legally calibratable

Incl. axial swivel joint IG 1/2"

### Key technical data

- For gear oil
- Oval wheel counter
- Aluminum housing
- Lithium battery for approx. 10-year service life, plug-in

Part no.:	Description
027 170 221	FMOG hand flow meter for gear oil, digital



## ZVE Preset hand flow meter with volume preset, engine oil nozzle, digital, non-legally calibratable

Incl. axial swivel joint IG 1/2"

### Key technical data

- For motor, gear, and hydraulic oils, as well as radiator antifreeze (concentrate)
- Oval gear meter
- Impact-resistant plastic housing
- 9 V battery, format 522

Part no.:	Description
027 170 475	Hand flow meter Preset



Anti-kink mechanism

Electronic flow meter

# FMT 3

Precise, robust, variable



The new generation of FMT electronic flow meters from TECALEMIT impresses with its robust versatility for use with a wide range of liquids such as heating oil/diesel, AdBlue®, radiator antifreeze and water.



**ONE meter for all flow directions!**

## The benefits

- **Freely rotatable after installation**
- **Variable display orientation**
- **Large, illuminated display**
- **Precise measurements – better than  $\pm 1\%$**
- **Shows flow rate**
- **4- and 7-digit display**
- **Nominal pressure 10 bar**



GO WITH THE FLOW.

### FMT 3 Electronic flow meter

Part no. 253 591 006

Flow rate meter with illuminated digital display for streaming liquids utilizing the measurement principle of a turbine wheel counter. Suitable for diesel/heating oil, AdBlue®, radiator antifreeze and water. The two-line LED display shows the current dispensation values and the total stored volume or 8 partial stored volumes. The display can be mounted to fit the viewing angle or moved about even after being installed.

The symmetric measurement chamber allows the device to be used with all flow directions. The measurement accuracy is higher than  $\pm 1\%$ , the nominal operating pressure is 10 bar, and the burst pressure is greater than 20 bar.



Display can be rotated in 90° increments.



Meter is freely rotatable after installation.

#### Technical information

Flow rate min./max.:	5 - 120 l/min (1-30 gpm)
Nominal pressure max.:	10 bar (145 psi)
Viscosity range:	0.8 - 40 mPa·s
External thread:	G 1"
Partial stored volumes:	8
Measurement accuracy:	$\pm 1\%$ (after calibration)
Protection class:	IP 65
Battery:	2 x 1.5 V Micro (AAA) batteries
Battery life:	approx. 5 years
Display:	Two-line, illuminated LCD display, 4-digit main display, 17 mm character height, 7-digit totalizer display, 6 mm character height
Keys:	3
Operating temperature:	-10°C to +50°C
Media:	Diesel/heating oil, radiator antifreeze, AdBlue® and water
Dimensions (W x H x D):	120 x 52 x 85 mm
Weight:	0.24 kg

## Electronic flow meter FMT 3, digital, non-legally calibratable



### Key technical data

- For diesel/heating oil, AdBlue®, radiator antifreeze and water
- 5 - 120 l/min. (1 - 30 gpm)
- Turbine meter
- Variable display orientation (in 90° steps)
- Large, illuminated, 4- and 7-digit display
- Nominal pressure 10 bar
- POM
- **ONE** meter for all flow directions
- High measurement accuracy  $\pm 1\%$
- 2 x 1.5 Micro (AAA) batteries (approx. 5-year battery life)

Art. no.:	Description
253 591 006	FMT 3 flow meter, digital
253 591 098	FMT 3 flow meter, digital, with pulse output, horizontal
253 591 099	FMT 3 flow meter, digital, with pulse output, vertical



## Electronic flow meter FMT 3, add-on kit



### Key technical data

- For diesel/heating oil, AdBlue®, radiator antifreeze and water
- Freely rotatable (360°) after installation
- Turbine meter
- Variable display orientation (in 90° steps)
- Large, illuminated, 4- and 7-digit display
- Nominal pressure 10 bar
- POM
- Precise measurements – better than  $\pm 1\%$
- Shows flow rate

Part no.:	Description
253 591 000	FMT 3 NRS W 40 flow meter
253 591 004	FMT 3 NRS W 50/80 flow meter
253 591 020	FMT 3 NRS W 85 H/Diesel flow meter



## Attachment set FMT 3 Universal

2 x DN 19

Part no.:	Description
253 591 996	Attachment set FMT 3 Universal



## Attachment set FMT 3

For HORNET W 50/80.

Part no.:	Description
253 591 998	Attachment set FMT 3 for HORNET W 50/80



## Attachment set FMT 3

For HORNET W 40

Part no.:	Description
253 591 997	Attachment set FMT 3 for HORNET W 40



## Attachment set FMT 3

For HORNET W 85 H

Part no.:	Description
253 591 999	Attachment set FMT 3 for HORNET W 85 H



## Flow meter

### FMOG, digital, legally calibratable



- Flow rate min./max. 1 - 10 l/min.
- High measurement accuracy  $\pm 1\%$

#### Key technical data

- For engine, gear, and hydraulic oils
- Oval gear meter
- Aluminum housing
- Intake on bottom
- Lithium battery (approx. 5-year battery life), plug-in

Part no.:	Description
027 175 401	FMOG flow meter



## Flow meter

### FMOG 100, digital, non-legally calibratable



- Nominal pressure max. 15 bar
- Viscosity range 20 - 2,000 mPa·s
- Protection class: IP 67
- Dimensions (W x H x D): 90 x 81 x 42 mm
- Weight 1.1 kg

#### Key technical data

- For diesel, heating oil, and lubricants
- Oval gear meter
- Aluminum housing
- Horizontal or vertical installation
- With/without pulse output
- Flow rate min./max. 10 - 100 l/min.
- High measurement accuracy  $\pm 1\%$
- Lithium battery (long battery life), plug-in

Part no.:	Description
027 176 601	FMOG 100 flow meter, horizontal installation
027 176 602	FMOG 100 flow meter, vertical installation
027 176 603	FMOG 100 flow meter, with pulse output, horizontal installation
027 176 604	FMOG 100 flow meter, with pulse output, vertical installation

027 176 604



027 176 602



## Connecting kit FMOG 100

Fixed

Part no.:	Description
027 176 610	Connecting kit FMOG 100 ne, IG 1"



## Connecting kit FMOG 100, mandrel

Rotatable

Part no.:	Description
027 176 613	Connecting kit FMOG 100 mandrel, DN 25



## Connecting kit FMOG 100

Rotatable

Part no.:	Description
027 176 611	Connecting kit FMOG 100, IG 1"



## Connecting kit FMOG 100

Rotatable

Part no.:	Description
027 176 614	Connecting kit FMOG 100, IG 3/4"



## Connecting kit FMOG 100, mandrel

Rotatable

Part no.:	Description
027 176 612	Connecting kit FMOG 100 mandrel, DN 19





Pump systems

# Diesel pump systems

Small pump stations that provide an optimal complete solution for your workshop. For diesel, heating oil EL/L, and radiator antifreeze (concentrate).



Diesel pump system HDT-W 40 A-VT 1,000

Mobile home pump station for use in rooms and buildings, with an electric centrifugal or vane pump.

## The benefits

- All-inclusive
- Compact and mobile
- Simple operation

[www.tecalemit.de](http://www.tecalemit.de)





## Diesel pump system HDT-W 40 A -VT 1000



### Key technical data

- Hornet W 40 electric pump with suction stage and integrated siphon protection
- Drum screw thread M 64 x 4 / G 2"
- 4.0 m dispensing hose, type-approved automatic dispensing nozzle A 2010 with hose swivel joint
- Foot filter
- Double-walled 1,000 l tank with galvanized steel jacket
- Fill level and optical leak indicator

Part no.:	Description	Pump capacity
150 501 000	Diesel pump system HDT-W 40 A-VT 1000	approx. 32 l/min.



## Diesel pump system HDT-W 50 II -VT 1000



### Key technical data

- HORNET W 50 II electric pump, self-priming with integrated siphon protection
- Drum screw thread G 2"
- 4.0 m dispensing hose, type-approved automatic dispensing nozzle A 2010 with hose swivel joint
- Foot filter
- Double-walled 1,000 l tank with galvanized steel jacket
- Fill level and optical leak indicator

Part no.:	Description	Delivery rate
150 101 000	Diesel pump system HDT-W 50 II-VT 1000	approx. 55 l/min.



## Diesel pump system HDT-W 50 II Z 400-VT 1000



### Key technical data:

- HORNET W 50 II electric pump, self-priming with integrated siphon protection
- Mechanical roller counter Z 400
- Drum screw thread R 2"
- 4.0 m dispensing hose, type-approved automatic dispensing nozzle A 2010 with hose swivel joint
- Foot filter
- Double-walled 1,000 l tank with galvanized steel jacket
- Fill level and optical leak indicator

Part no.:	Description	Delivery rate
150 301 044	Diesel pump system HDT-W 50 II Z 400-VT 1000	approx. 50 l/min.



## Diesel pump system HDT-Diesel-Eco-Box-VT 1000



### Key technical data

- HORNET W 50 II electric pump, self-priming with integrated siphon protection
- Mechanical roller counter Z 400
- 4.0 m dispensing hose, type-approved automatic dispensing nozzle A 2010 with hose swivel joint
- Foot filter
- Double-walled 1,000 l tank with galvanized steel jacket
- Fill level and optical leak indicator

Part no.:	Description	Delivery rate
150 301 050	Diesel pump system HDT-Diesel-Eco-Box-VT 1000	approx. 55 l/min.



# Fuel management systems

Prevents losses in inventory – Record every transaction –  
USB data transfer – For up to 2,000 users

## HDA eco

The HDA eco fuel terminals, a dispensing point, are the new all-rounders for any company filling station. It does not matter whether you are upgrading existing pump systems, filling stations or even dispensers.

The HDA eco fuel terminals from TECALEMIT have been designed to monitor and record the dispensing of diesel, heating oil, fuel, AdBlue®, radiator antifreeze and chemicals.

The HDA eco fuel terminal is distinguished by its ease of operation and configurability. Its modular design delivers the performance the customer needs. The detailed analyses provided by the PC back office software allow complete control over costs.



### 1 dispensation point



### Product features

- 1 dispensation point, non-legally calibratable
- LCD display, 2 x 20 characters, 9 mm character height
- Connects to: Feed pump, volume counter, dispensing nozzle switch, fill-level probe and/or floating switch for monitoring the fill level
- Up to 2,000 drivers and vehicles
- Capacity: approx. 10,000 filling operations, electronic journal
- Includes "HD Manager eco" evaluation software
- Includes transponder reader
- LAN, WiFi & GPRS interface options available

Part No.:	Description
110 500 700	HDA eco
110 500 710	HDA eco Kit (with FMOG 100, pulse generator set)
110 500 900	HDA eco 12/24 V version
110 500 910	HDA eco Kit 12/24 V version

## 5 dispensation points



## HDA 5 eco

The HDA 5 eco fuel terminals are the new all-rounders for any company filling station. Up to 5 dispensing points can be administered. It does not matter whether you are upgrading existing pump systems, filling stations or even dispensers.

The HDA 5 eco fuel terminals from TECALEMIT have been designed to monitor and record the dispensing of diesel, heating oil, fuel, AdBlue®, radiator antifreeze and chemicals.

The HDA 5 eco fuel terminal is distinguished by its ease of operation and configurability. Its modular design delivers the transparency the customer expects. The detailed analyses provided by the PC back office software allow complete control over costs.



### Product features

- 5 dispensation points, non-legally calibratable
- LCD display, 4 x 20 characters, 12 mm character height
- Connects to: Contactor for feed pump, volume counter, dispensing nozzle switch, fill level probe and/or floating switch for monitoring the fill level
- Up to 2,000 drivers and vehicles
- Capacity: approx. 10,000 filling operations, electronic journal
- Includes "HD Manager eco" evaluation software
- Includes transponder reader
- Integrated USB port
- LAN, WiFi & GPRS interface options available

Part No.:	Description
110 500 800	HDA 5 eco
233 400 700	Relay set for HDA 5 eco, for managing one pump

**All you have to do is determine the number of users!**

**The benefits:**

- **Unbeatable features**
  - Fuel terminal with PC software (2,000 users)
  - Identification via transponder technology
  - USB interface for data retrieval
  - LAN, WiFi, GPRS
- **PC software included**
  - Transparency of dispensing data
- **Quick and secure dispensations**
- **Small, compact, and robust**
- **TRbF-compliant**
  - Incl. drip tray
  - Incl. leak monitoring

Diesel dispensing station/pump system

# HDM 60/80 eco

**Product features**

The HDM eco is a high-performance diesel dispensing station with integrated fuel terminal.

- 1 dispensation point, non-legally calibratable
- Max. 55 l/min. or max. 75 l/min. (depends on viscosity and system)
- 2-line, illuminated monochrome display, font height 8/19 mm
- Fuel terminal with PC software (2,000 users)
- Electronic journal, up to 10,000 dispensation entries
- USB interface for data retrieval
- Includes transponder reader
- LAN, WiFi & GPRS interface options available

Part No.:	Description
110 700 960	HDM 60 eco Box
110 700 980	HDM 80 eco Box
110 700 860	HDM 60 eco
110 700 880	HDM 80 eco

HDM 60/80 eco Box



HDM 60/80 eco



## Diesel dispensing station

# HDM pro **D**

### Product features

The HDM Pro is a professional diesel dispensing station with many innovative aspects and unbeatable features.  
Modern design – high-performance fuel terminal!

- 1 or 2 dispensation points, non-legally calibratable
- 50, 80, or 140 l/min. (depends on viscosity and system)
- Graphical display 640 x 480
- Various languages to select from
- Fuel terminal with PC software (2,000 users)
- Electronic journal, up to 10,000 dispensation entries
- USB interface for data retrieval
- Identification via transponder technology
- Optional data retrieval via LAN
- WiFi & GPRS interface options available

Article number	Description
110 600 350	HDM 50 pro
110 600 450	HDM 80 pro
110 600 550	HDM 150 pro
110 600 650	HDM 150/50 pro



HDM 50 pro



HDM eco AdBlue®

## AdBlue® dispensing station

# HDM eco **U**

### Product features

The HDM eco AdBlue® is the latest solution when it comes to the professional supply of AdBlue® urea solution.

- 1 dispensation point, non-legally calibratable
- Max. 40 l/min. (depends on viscosity and system)
- Type-approved automatic dispensing nozzle A 2003-ES, incl. swivel joint
- For indoor installation
- 2-line LCD display, character height 8/19 mm
- Various languages to select from
- Fuel terminal with PC software (2,000 users)
- Electronic journal, up to 10,000 dispensation entries
- USB interface for data retrieval
- Identification via transponder technology
- Optional data retrieval via LAN
- WiFi & GPRS interface options available

Part No.:	Description
110 700 900	HDM eco AdBlue®

PC data software

# HD Manager 8

A world of possibilities for your vehicle fleet



The new HD Manager 8 PC data software is being released just in time for the market launch of the HDM pro diesel dispensing station generation. It comes with many optimized new features which enable you to comfortably manage your dispensation data.

#### The benefits:

- Backwards compatibility with previous versions
- Favorite settings
- 30-day test program of full version
- Server software (optional)

## Comparing your options

Description	HD Manager 7	HD Manager 8 - Full Version 
Full screen mode	No	Yes
Backwards compatible w/ XCMaster	No	Yes
Multi-user-capable	No	Yes, optional
LAN connection to pumps	No	Yes
Registration / Activation	E-mail / by phone	Online / e-mail / by phone
Units of measurement for volume	Fixed, liters or gallons	Selectable
Report generator	No	Yes
Analysis of dispensation quantity up to the day level	No	Yes
Tank fill level export	No	Yes
Drivers / Vehicles: Short summary of total dispensations	No	Yes
Favorites menu	No	Yes
Language: Can be added and translated by user himself within the software	No	Yes
Data import from: Pump Data Manager 3 + 4 + 5 as well as HD Manager 6 + 7	No	Yes
Brief database overview	No	Yes
Automatic database backup	No	Yes
Automatic online check for new version	No	Yes
An eco version can be upgraded to a time-limited demo full version	No	Yes

You can download a demo version at [www.tecalemit.de](http://www.tecalemit.de).

Part No.:	Description
233 500 440	PC program HORN HD Manager V8 - Full version -
233 500 441	PC program HORN HD Manager V8 - Server version -

## PC program HORN HD Manager 8

Full version

Part no.:	Description
233 500 440	HD Manager 8 - Full version -



## PC program HORN HD Manager 8

Server version for up to 5 PCs

Part no.:	Description
233 500 441	HD Manager 8 - Server version -



## Connection activation 1 fill level probe

For HDM eco fuel terminal

Part no.:	Description
233 400 160	Connection activation 1 fill level probe



## Activation code fee HDM eco

Activation by telephone for fill level probe upgrade

Part no.:	Description
233 400 470	Activation code fee HDM eco

## FMOG flow meter, with pulse output

Digital, without display, non-legally calibratable, PEEK, G 1" AG, vertical installation

Part no.:	Description
253 400 040	FMOG flow meter, non-legally calibratable



## Pulse generator set FMOG 100, with pulse output

Digital, without display, non-legally calibratable, G 1" IG, vertical installation

Part no.:	Description
027 176 605	Pulse generator set FMOG, non-legally calibratable



## IP 66 terminal box with breathable filter

For extending the fill level probe connection cable with a commercially available control line, e.g. 2 x 0.5 qmm

Part no.:	Description
224 061 000	IP 66 terminal box



## Assembly set, 1" for standard fill level probes

For 1" - screw connection on tank cover, not for explosion hazard areas

Part no.:	Description
224 070 000	Assembly set, 1" for standard fill level probes



## PC connection set RS 422 for HDA eco

Part no.:	Description
233 400 170	PC connection set RS 422, up to max. 1,200 m





## PC connection component RS 232 for HDM pro

up to a max. of 15 m

Part no.:	Description
233 400 190	PC connection component RS 232



## Floating switch for HDM eco and pro

For pump switch-off

Part no.:	Description
233 400 165	Float switch



## Transponder fob

For contactless identification of users.

Part no.:	Description
233 400 200	Transponder fob



## Relay set for HDA 5 eco

For the electrical operation of a pump.

Part no.:	Description
233 400 700	Relay set



## LAN connection component

Part no.:	Description
233 400 031	LAN connection component for HDM pro
233 400 032	LAN connection component for HDA eco, HDM eco, HDM eco Box
233 400 033	LAN connection component for HDA 5 eco



## WiFi connection set

Part no.:	Description
233 400 034	WiFi connection set for HDM pro
233 400 035	WiFi connection set for HDA eco, HDM eco, HDM eco Box
233 400 036	WiFi connection set for HDA 5 eco



## GPRS connection set

Part no.:	Description
233 400 037	GPRS connection set for HDM pro
233 400 038	GPRS connection set for HDA eco, HDM eco, HDM eco Box
233 400 039	GPRS connection set for HDA 5 eco



## USB reader station

Part no.:	Description
233 400 081	USB reader station for transponder fob



Container pump station

# MetroBulk

Urea filling station for outdoor use

The **MetroBulk** is a complete urea filling station in a special container for outdoor use.

All components meet the CEFIC quality guidelines in line with ISO 22241 and ensure the purity of the AdBlue® in storage and during filling processes.

The MetroBulk is available in legally calibratable and non-legally calibratable versions.

#### The benefits:

- **Dispensing units can be installed flexibly**
- **Low-wear, magnetically coupled chemical pump**
- **Fill level measurement and telemetry included**



### MetroBulk

Complete urea filling station in a special container for outdoor use.

#### Container:

- Insulated plastic wall construction (3 cm)
- Frame constructed from GRP profiles
- Fork insert points for forklift transport
- Color: natural white
- Urea-resistant surface

#### Tank:

- Material: HDPE
- Tank volume: 4,000 l (gross)
- Overfill safety device and filling level measurement
- Leakage warning system
- Transfer of data on filling levels is possible

#### Dispensing unit:

- Pump for AdBlue®
- Automatic hose retraction
- Dispensing hose cover for winter operation
- Legally calibratable metering system comprises Legally calibratable oval wheel counter, sight glass, shut-down in the absence of media
- Non-legally calibratable metering system comprises: non-legally calibratable oval wheel counter and shut-down in the absence of media
- Model: liter counter, price calculator or fuel terminal

#### Further information:

- External tank venting
- Dispensation via 2" dry coupling
- Container heating for winter operation
- Ventilation for summer operation

Operating instructions in German and English are included in the price and provided with the equipment. Documents are available in other languages upon request at a surcharge.



#### Technical characteristics

Model:	legally calibratable/ non-legally calibratable
Pump:	magnetically coupled chemical pump
Delivery rate:	approx. 30 l/min
Drive:	750 W asynchronous motor
Electrical connection:	230 V / 50 Hz max. 2.8 kW
Max operating pressure:	4 bar
Dispensing hose:	4 m dispensing hose with automatic hose retraction
Medium:	AdBlue®
Ambient temperature:	-20 °C to + 50 °C
Temperature of liquid:	-7 °C to + 30 °C
Liquid viscosity:	1.4 mPas
Dimensions:	3550 x 1200 x 2350 mm (W x H x D)
Weight:	approx. 800 kg

Part No.:	Description
107 509 210	Container pump system for AdBlue® MetroBulk 4,000 LZ e
107 509 220	Container pump system for AdBlue® MetroBulk 4,000 PR e
107 509 230	Container pump system for AdBlue® MetroBulk 4,000 HDA 500 e
107 509 240	Container pump system for AdBlue® MetroBulk 4,000 LZ ne
107 509 260	Container pump system for AdBlue® MetroBulk 4,000 HDA 98 ne
107 509 270	Container pump system for AdBlue® MetroBulk 4,000 HDA 250 ne

**Also available as 5,000 ltr or 10,000 ltr models!**

Dispensing station

# HAM 41030

The AdBlue® filling station for outdoor use

The **HAM 41030 dispensing station** is suitable for filling vehicle tanks with AdBlue®.

All components meet the CEFIC quality guidelines in line with ISO 22241 and ensure the purity of AdBlue® during filling processes.

**The benefits:**

- With priming pump
- Stainless steel housing
- For indoor and outdoor use
- Low-wear, magnetically coupled chemical pump





The **HAM 41030 dispensing station** is available in a legally calibratable and a non-legally calibratable version, with priming pump.

#### Description:

- Legally calibratable via shut-off in the absence of media via floating switch
- Sight glass
- Dispensing hose with automatic hose retraction
- For under- and aboveground tanks
- Insulated wall design
- Heater (400W) with thermostat
- Proximity dispensing contact switch
- Door for covering automatic dispensing nozzle
- Model: Liter counter, price calculator or fuel terminal
- PTB type approval no. 5.128/05.09
- High-quality stainless steel housing
- Modular design for maximum installation convenience



#### Technical characteristics

Model:	legally calibratable/ non-legally calibratable
Pump: pump	magnetically coupled chemical
Delivery rate:	approx. 30 l/min*
Drive:	750 W asynchronous motor
Electrical connection:	230 V / 50 Hz
Suction head:	3,500 mm*
Connector on suction side:	1"
Max. operating pressure:	4 bar
Dispensing hose:	4 m dispensing hose with type- approved automatic dispensing nozzle, stainless steel, with automatic retraction mechanism
Medium:	AdBlue®
Ambient temperature:	-10 °C to +50 °C
Medium temperature:	-7 °C to + 30°C
Dimensions:	858 x 1702 x 500 mm (W x H x D)
Weight:	approx. 200 kg

\*Depending on viscosity and system

Part No.:	Description
110 508 713	Dispensing station for AdBlue® HAM 41030 LZ e, Outdoor
110 508 723	Dispensing station for AdBlue® HAM 41030 PR e, Outdoor
110 508 733	Dispensing station for AdBlue® HAM 41030 HDA 500 e, Outdoor

With priming pump

Part No.:	Description
110 509 743	Dispensing station for AdBlue® HAM 41030 LZ ne, Outdoor
110 509 763	Dispensing station for AdBlue® HAM 41030 HDA 98 ne, Outdoor
110 509 773	Dispensing station for AdBlue® HAM 41030 HDA 250 ne, Outdoor

GO WITH THE FLOW.



Handling system

# TS 1000

Tailored, reliable handling of mineral oil products

The handling systems from TECALEMIT are suitable for filling fuel tankers with diesel, heating oil and RME from underground and above-ground stores.

The TS 1000/D2e handling system for unmetered input into storage and legally calibratable output from storage of diesel/heating oil has a delivery capacity of 1000 l/min and comprises: two MP6/D centrifugal pumps, fittings cabinet with pedestal and collection trough and two retractable locking doors, gas separator including removable filter, oval gear meter, non-return valve, gas indicator and FuelMaster controller.

TECALEMIT provides customized system solutions and the highest product quality based on years of experience in the field of handling technology. We are happy to adapt the handling system of your choice to match the needs of your company.

#### The benefits:

- System comes fully assembled and wired to reduce installation costs
- System is of modular design and adapted to your needs
- Easy to use
- Custom-fit



TS 1000/D2e handling system

### TS 600/TS 1000/TS 1500

With a variety of models, TECALEMIT has the perfect solution for every need:

- Unmetered input into storage and legally calibratable/non-legally calibratable output from storage via loading arm
- Standard throughputs of approx. 600 l/min., 1000 l/min., 1500 l/min.  
– other options on request –
- Additional storage pumps
- Mechanical meter with/without receipt printer
- Electronic FuelMaster controller with linear volume correction to 15°C
- Connection to PC

#### Accessories:

- TWM 2084 tanker management system
- Receipt printer
- PC software
- Loading arms: Top or bottom loading
- Suction and non-return valves
- Flexible pipe connector
- Suction stage
- Star-shaped or triangular machine
- Interior lighting
- Key-operated switch
- Sight glass with vent valve



**TS 600/D1**  
**TS 600/D2**  
**TS 1000/D1**  
**TS 1000/D2**  
**TS 1500/D1**  
**TS 1500/D2**

- For input into storage and output from storage of diesel/heating oil
- In legally calibratable/non-legally calibratable models
- With 1 or 2 centrifugal pumps



**TS 600/B1**  
**TS 600/B2**  
**TS 1000/B1**  
**TS 1000/B2**  
**TS 1500/B1**  
**TS 1500/B2**

- For input into storage and output from storage of biodiesel
- In legally calibratable/non-legally calibratable models
- With 1 or 2 centrifugal pumps

**Other media upon request!**

### Enhance your handling system now:

The **TRUCKLINE TWM 2084** tanker management system is a powerful system for the precisely calibrated, temperature-compensated dispensing of liquid substances from tankers and tank stores. A pulse generator and a temperature sensor provide the basis for precisely calibrated metering with temperature-based volume correction. The TWM 2084 system has customizable parameters and is available in variants with and without Ex protection.



#### The benefits:

- Intuitive menu navigation (multilingual)
- Maximum operating reliability
- Control two metering points simultaneously

GO WITH THE FLOW.



**TRUCKLINE TWM 2084:**  
**Now with overfill prevention**  
**& wireless remote**

**TECALEMIT**  
**for fluid handling**  
**systems**



The tanker management system **TRUCKLINE TWM 2084** has proven itself over many years, and stands for performance and reliability. It guarantees the precisely calibrated, temperature-compensated dispensing of liquid substances from tankers and tank stores. The TWM 2084 (class A3) is now available with the LRC3 overfill prevention device, which is connected to the limit switch via a wireless or wired connection, and now also comes with the mobile LRC3 Remote wireless hand terminal.

#### The benefits at a glance:

The large display on the **wireless hand terminal LRC3 Remote** allows tanker drivers to view the dispensation progress in terms of liters or cost directly on the display. Changes to the preset quantity can be made by the tanker driver at the press of a button via a wireless connection, saving the time it would otherwise require to walk over to the vehicle.

The LRC3 system consists of:

- The **LRC3 Control** unit, which is mounted in the driver's cab or the fittings cabinet,
- The **LRC3 Remote** control,
- The **LRC Small** component providing the wireless connection to the limit switch on the tank, as well as
- The corresponding **LRC Charge** battery charging cradles for the LRC3 Remote and LRC3 Small, which also allow for secure transportation.

#### LRC3 Remote via wireless

- Shows:
  - Amount dispensed/preselected in liters
  - Current flow rate in liters/minute
  - Selected products and current product temperature
  - Dispensation status on the TWM 2084
  - Status of limit switch/overfill prevention

#### Controls

- Dispensation
- Engine start/stop
- Increase/decrease in revolutions per minute
- Pause/continue dispensation

#### Allows for the selection of additional features

- Work lights on/off
- Right periphery lighting on/off
- Left periphery lighting on/off
- Doors of cable reel winder/unwinder on/off
- Additional functions to follow; connection will be made via additional relay module

#### Change preset quantity (in liters)

Optional dead man's switch (alertness monitoring)

#### LRC3 Control

- Displays the status of overfill prevention/ wireless connection
- Switching of outputs for engine control
- CAN BUS communications with the TWM 2084
- Monitoring of wired and wireless overfill prevention

#### LRC Small

- Wireless overfill prevention to replace or complement a wired overfill prevention system

Equip your tankers with this impressive duo of ours now to save precious time during dispensations and thereby increase the efficiency of your tanker trucks!

If you have further questions please contact your nearest tanker supplier. In addition, our sales representatives at Tank & Technik Friedemann Hahn will also be happy to answer your questions at tank-technik. hahn@t-online.de or +49 (0)7721 962100.

Part No.:	Description
TW208420030000	Wireless receiver LRC3 Control
TW208420031000	LRC3 Remote hand-held transmitter with display
TW208420031100	LRC3 Small overfill prevention device

You may also contact our **TECALEMIT** team directly:  
[www.tecalemit.de](http://www.tecalemit.de)

Fill level measuring device

# LevelController TS



## Product features

With the LevelController TS model, TECALEMIT expanded its series of fill level measuring devices by adding the functionality of an approved overfill protection device pursuant to the Water Resources Act (WHG). The GSM telemetry module allows the fill level to be displayed and parameterization to be carried out via a cellphone or the internet. Fill levels can be accessed online from anywhere on the planet via the TECALEMIT fluid management system (web-based).

- Two fault indication inputs
- An alarm contact as switching output
- Optional: GSM module (without SIM card)
- Data transfer and parameterization via SMS (for GSM)
- Note: Parameterized for diesel
- Configuration via keypad and remote configuration via GSM

Part No.	Description
225 300 210	LevelController TS, with battery operation
225 310 200	LevelController TS, with mains operation
225 400 200	LevelController TS, GSM, with battery operation
225 510 200	LevelController TS, GSM, with mains operation



Fill level measuring device



# LevelController 4

## Product features

Fill level measuring device for connecting up to four fill level probes (not in scope of delivery, see accessories).

- Hydrostatic measuring principle
- GSM telemetry module available
- Fill level measurement for up to 4 tanks
- Configuration via 4 keys and remote configuration via PC
- Data connection: RS 232 PC connector, cable length up to 15 m  
RS 422 PC connector, cable length up to 1,200 m
- Evaluation via HORN LevelControl Program or H-Protocol

Part No.:	Description
225 700 000	LevelController 4
225 701 000	LevelController 4, with RS 232 direct PC connection
225 702 000	LevelController 4, with RS 422 direct PC connection
225 703 000	LevelController 4, with GSM module



## Fill level probes

EX version

Part No.:	Description
224 010 000	Fill level probe 200 mbar
224 020 000	Fill level probe 300 mbar
224 050 000	Fill level probe 500 mbar



## Safety housing for explosion barriers

Housing for explosion barriers for fill level probes in an explosion-protected version, installation outside the explosion hazard area

Part No.:	Description
224 060 000	Safety housing for explosion barriers



## Assembly set, 1"

For 1" screw connection on tank cover, not for explosion hazard areas

Part No.:	Description
224 070 000	Assembly set, 1" for standard fill level probes



## Assembly set, 1"

For 1" screw connection on tank cover, for explosion hazard areas

Part No.:	Description
224 070 009	Assembly set, 1" for EX fill level probes



## IP 66 terminal box with breathable filter

For extending the fill level probe connection cable with a commercially available control line, e.g. 2 x 0.5 qmm

Part No.:	Description
224 061 000	IP 66 terminal box



## Stainless steel pipe cable guide

12 mm stainless steel pipe for cable routing for fill level probes, explosion-protected version

Part No.:	Description
224 070 004	Stainless steel pipe 2.30 m
224 070 005	Stainless steel pipe 3.40 m
224 070 006	Stainless steel pipe 5.40 m



## External antenna

Remote antenna with magnetic base, cable length approx. 3.00 m, for difficult installation sit

Part No.:	Description
225 600 000	External antenna for LevelController
225 600 001	Antenna cable extension, 4.00 m





## Oil management – A pioneer since 1975

TECALEMIT has produced centralized oil supply systems since 1975. Its close relationship with the automobile industry inspired the company to develop an innovative and customer-oriented solution for fluid management in workshops.

Quality, flexibility, reliability, and the constant increase in cost-effectiveness are characteristics that TECALEMIT's clients have come to trust and value.

The rapid development of the automobile industry has driven the continuous development from what is purely an oil management system into a fluid management system. This is because a large number of older systems are still in operation today, and individual components of these older systems can also be replaced or retrofitted with new products.

This resulted in a range of offerings for workshops in the passenger and utility vehicle sectors that remains reliable and up-to-date even to this day.



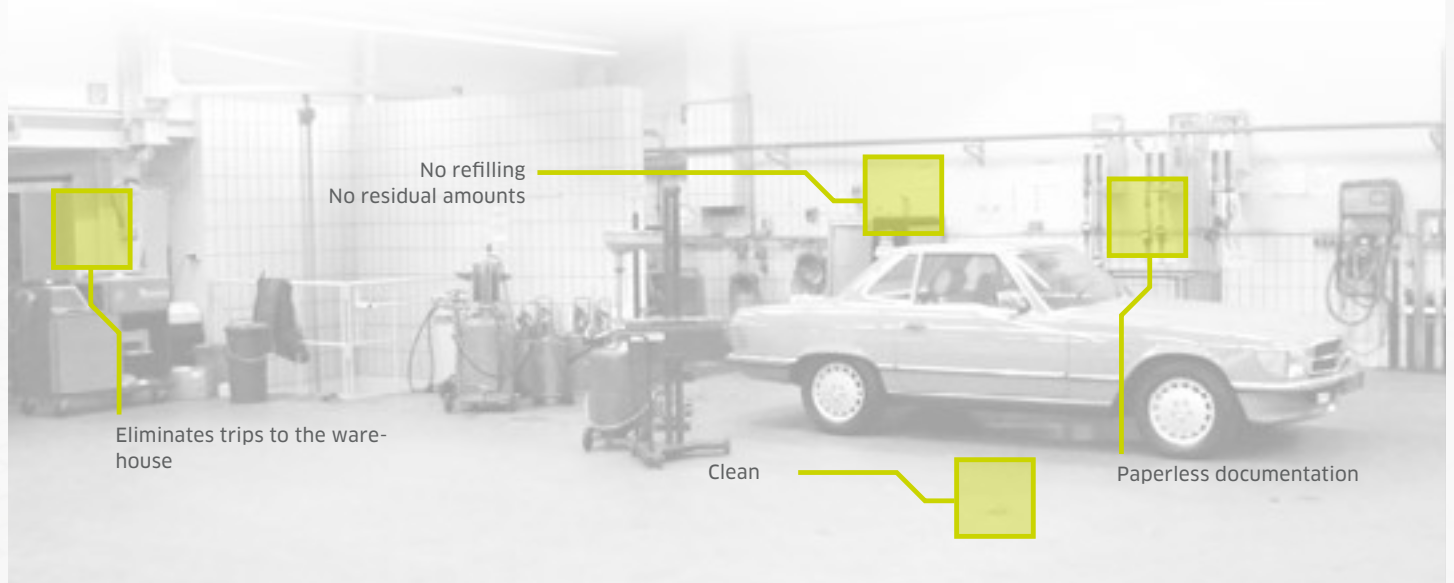
An impressive individual project by the **HORNGROUP** was the outfitting of the **HAMAD INTERNATIONAL AIRPORT** in DOHA/QATAR

4483 products from TECALEMIT were delivered to outfit the largest airport workshop in the world.

Naturally, project management was also handled by **HORNGROUP**.



## Oil management – Why?





## Oil management – What is it?

The TECALEMIT oil management system automatically tracks and monitors the amounts of all liquids dispensed in your workshop in real time, and of course provides the quality and long service life clients have come to expect.

All dispensation amounts are logged and can be matched directly to workshop orders in the inventory management system via an existing network. This ensures transparency, reliability, and cuts down on losses.

Fill level monitoring ensures that supply bottle-necks are avoided and provides planning dependability.

**TECALEMIT oil management systems provide workshops with a foundation for long-term and reliable business activities.**

The modular design of the components allows

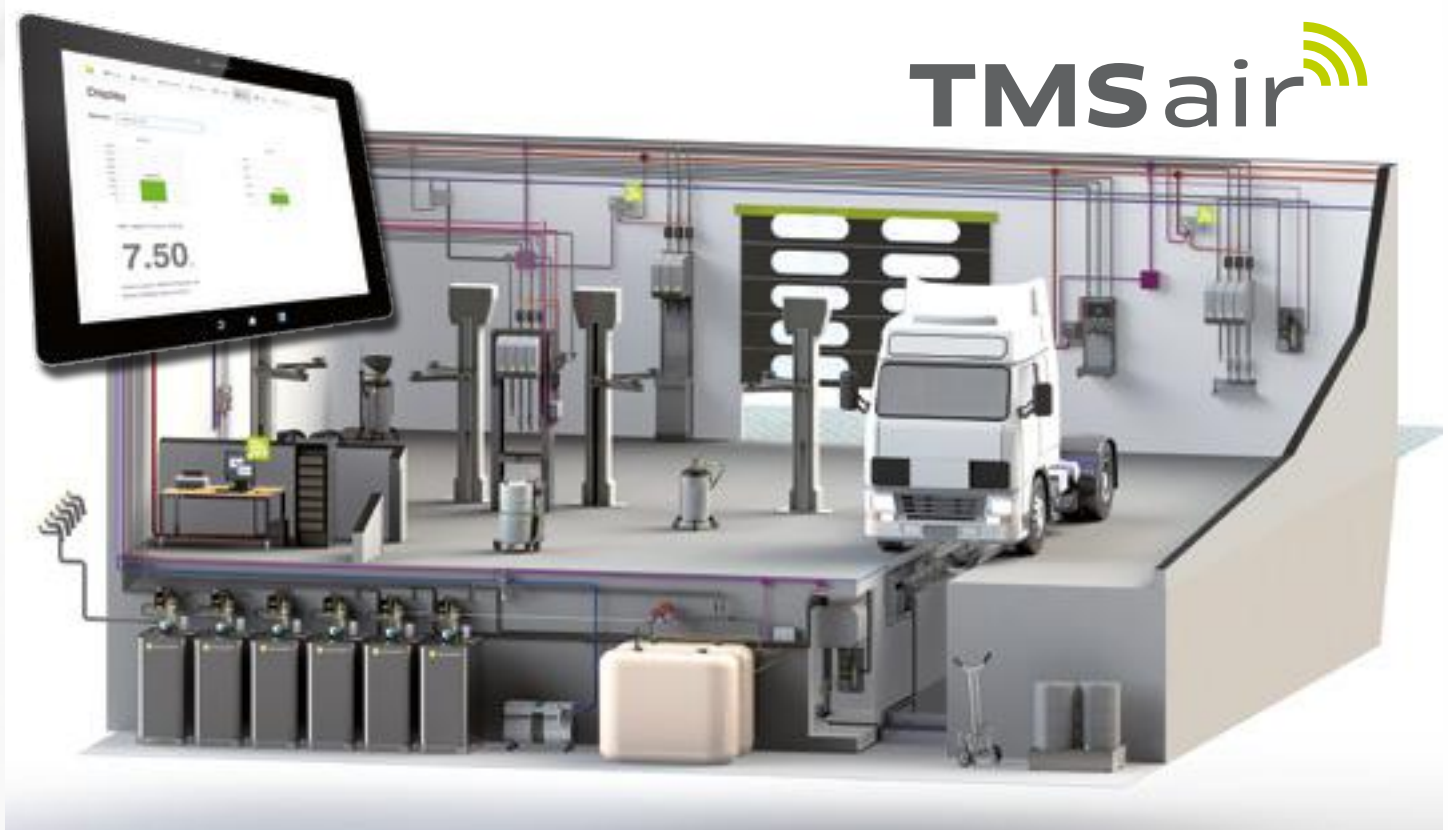
for solutions tailored to a wide range of individual needs, from the delivery of individual building blocks to turkey project planning by TECALEMIT and its partners.

### What this means for you:

- A structured workplace gives customers confidence in your professionalism and motivates employees.
- With more servicing procedures done per day, the number of working hours that can be billed increases.
- Precise and logged dispensations prevent oil wastage. For you, this means that no dispensations take place without being billed.

The modular system consists of components that have been designed to work together seamlessly (see illustration below):

## Solutions – Individually scalable!



**TMSair** 

**TMSair** - What's new?

**NEW!**



**LAN or WiFi?**

In an increasingly digitized world, the organization of the working world has changed rapidly. Technical options determine the requirements: **Easy, effective, and quick.**

With the **TMS air**, TECALEMIT now offers not only a long-established solution for workshops with their own wired bus system, but also the ability to manage the centralized oil supply system via the company network (**LAN or WiFi**). Naturally, all optional upgrades up to complete integration into a workshop's **inventory management system** or **dealer management system** are available.

**With the TMS air**, TECALEMIT now offers what is a familiar and practical solution, but with the added advantage of being able to connect to the oil management system via WiFi. Using any **commercially available tablet PC** (no particular manufacturer or operating system required), clients can access the server software on their central workstation. **Hence, you do not need to**

**purchase any costly specialized devices. Thanks to TECALEMIT's modular system, existing systems can also be retrofitted or completely reconfigured without requiring new devices to be used in all areas!**

The use of WiFi also equates to additional advantages over existing solutions:

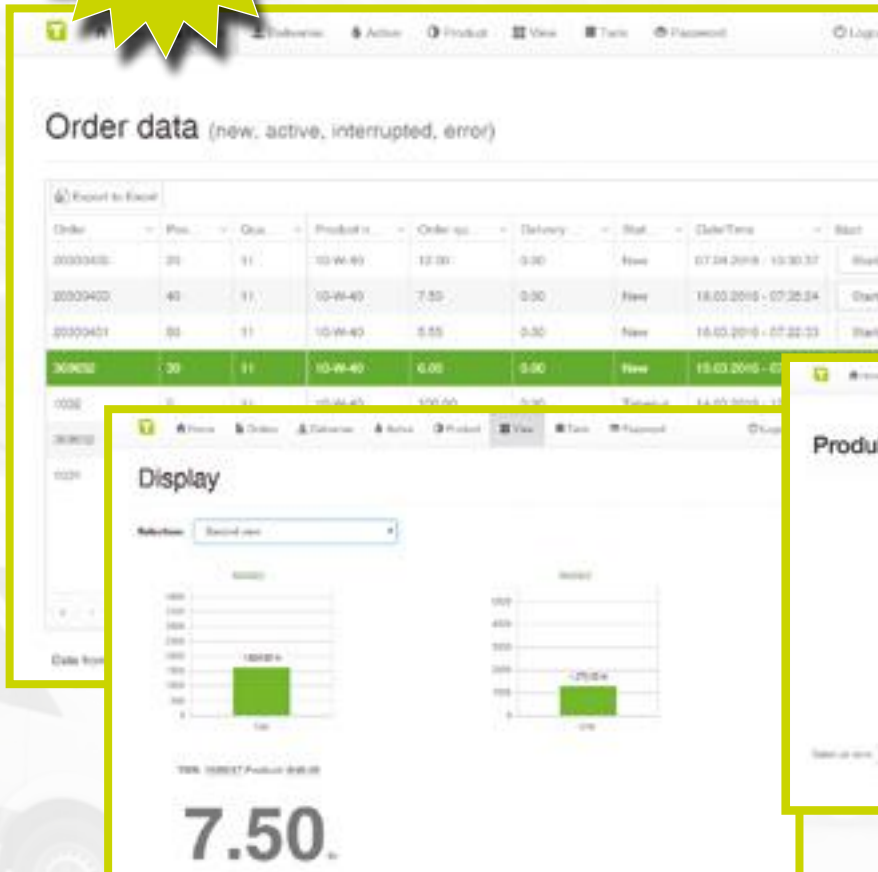
- No long cables need to be laid; this reduces installation costs
- Information can be viewed directly at the vehicle, in the warehouse, and at other locations simultaneously

Naturally, you will continue to enjoy the benefits you have come to know and love:

- Increase in revenue and productivity thanks to optimized processes
- Avoidance of oil wastage
- User-friendliness and proven functionality
- Dispensation logs that are always available


**NEW!**
**TMSair<sup>®</sup> - The software**
**OilControl Server**

Via a network (LAN or WiFi), the **OilControl** software – which is now available in a server version – makes it easy to access all the features of TECALEMIT's oil management system in a clear and structured manner.


**Integration into a dealer management system (DMS)**

The **OilControl air** software is offered in two variants. The standard version is provided by default along with the **TMS Air**, while the paid version **OilControl air pro** includes interfaces to various dealer management systems. You can update to this version at any time in the future.

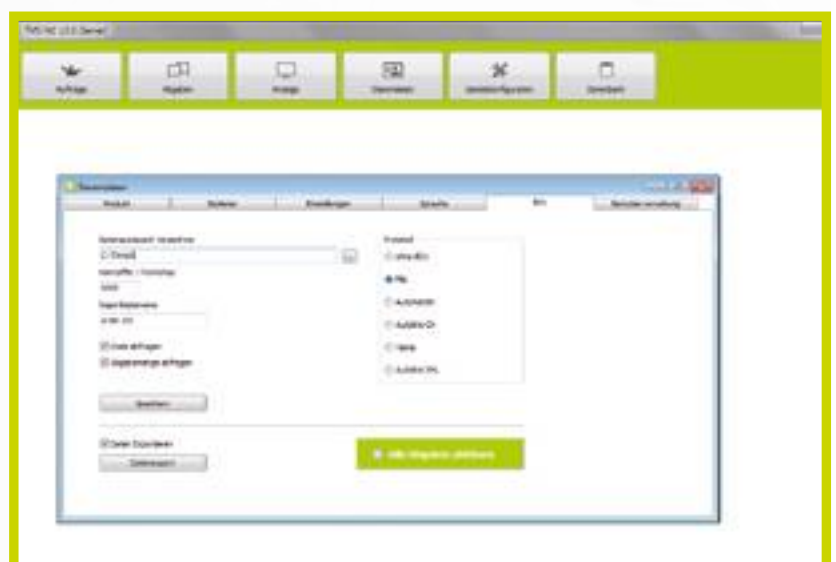
**OilControl air**

(included by default in scope of delivery)

- Creating orders
- Assignment of dispensation licenses
- Consumption according to product group
- Dispensation logs

**OilControl Air pro**

- Interfaces to all popular Dealer management systems
- Fill level monitoring (optional)





## TMSair<sup>®</sup> - Hardware

**NEW!**

### TMS air – The central unit

The TMS air is the next evolution of its predecessor, the TMS III with an independent display and control panel.

With this new model, orders can be viewed, selected, and managed **from anywhere** (e.g. directly from inside the vehicle during a filling procedure) via a **tablet**.



#### The benefits

- Connector ports for up to 5 measurement and shut-off units
- Wide-range power supply, 100-240 V
- Steel housing (UL-listed)
- LAN interface
- Optional internal WiFi module
- USB port for configuration and updates

### The measurement and shut-off unit

When connected to the TMS air, the newly developed measurement and shut-off unit manages the activation of the fluid supply.



The **"plug & play"** unit guarantees short assembly times, and the compact design allows for space-saving installation.

#### The benefits

- 24 V low voltage supply
- ¾" IG with integrated protective filter
- Dual high flow/low flow valves
- High measuring accuracy
- Power cable with locking plug
- Housing mount, small installation dimensions

### The LevelController air

The LevelMaster checks the fill levels in the storage tanks via corresponding probes and displays the information in the OilControl software.

#### The benefits

- Connector ports for up to 5 fill level probes
- Wide-range power supply, 100-240 V
- Steel housing (UL-listed)
- LAN interface/optional internal WiFi module
- USB port for software update





The TMS air and the corresponding hard- and software were developed primarily for use with a **LAN or WiFi** infrastructure. For classic installations, TECALEMIT naturally also continues to offer the TKS IV and TMS III devices. Designed

as a **scalable system**, it can be optimally configured to fulfill a wide range of requirements. **Highly customizable and robust** just like all TECALEMIT products.



030 471 300



030 480 000



030 366 011



030 480 010



030 480 030

Part No.:	Description
030 471 300	TMS air
030 366 011	Measurement & shut-off unit NG, 24 V
030 480 000	LevelController air
030 480 010	Sensor for LevelController air
030 480 020	WiFi module
030 480 030	OilControl pro (without tablet)
030 480 040	5 m extension cable for M & S unit TMS air
030 480 041	10 m extension cable for M & S unit TMS air
030 480 050	Adapter box for connecting third-party M & S to TMS air
030 480 051	Solenoid 24 V for retrofitting M & S 030 364 101
030 480 060	Tablet holder for wall mounting
030 366 022	Installation set, tablet holder



## Oil management system

# TKS IV

Dispensation monitoring – Logging –  
Connection to dealer management system (DMS)

## TKS IV

The TKS IV central unit is for smaller workshops and operations. It handles 2 dispensation points in a legally calibratable version (MID) or 4 dispensation points that are non-legally calibratable.

Parameters can be set either via the keyboard or the high-resolution graphical display or, for real convenience, via the integrated USB port. Connection to popular dealer management systems (DMS) via Gateway software or a Mini Gateway enables order-based and seamless documentation of your oil dispensing data. Depending on the model selected, dispensation monitoring, dispensation data sharing, and specifying the amount of and type of oil for each make and model of car are possible via the DMS.



### Product features

- 2 dispensation points / 2 oil types, legally calibratable
- Inputs: 2 x double pulse generators, 2 x release contacts
- Outputs for shut-off block and pump control: 2
- 4 dispensation points / 4 oil types, non-legally calibratable
- Inputs: 4 x pulse generator
- Outputs for shut-off block and pump control: 4
- Aluminum housing, graphical display 240 x 64
- Electrical connection 100-240 V 50/60 Hz
- PC interface: USB, LAN
- Printer interface RS 232
- Highly durable membrane keyboard, 19 keys
- Data storage via an integrated electronic journal

Part No.:	Description
030 472 100	TKS IV, central unit, MID
030 472 200	TKS IV, central unit, non-legally calibratable

## Oil management system

# TMS III

Dispensation monitoring – Logging –  
Connection to dealer management system (DMS)

## TMS III

The TMS III, "big brother" to the TKS IV, handles 5 dispensation points in a legally calibratable version (MID) or 10 dispensation points that are non-legally calibratable, and is therefore suitable for workshops and operations with a high rate of dispensation.

Parameters can be set either via the keyboard or the high-resolution graphical display or, for real convenience, via the integrated USB port.

Connection to popular dealer management systems (DMS) via Gateway software or a Mini Gateway enables order-based and seamless documentation of your oil dispensing data.

Depending on the model selected, dispensation monitoring, dispensation data sharing, and specifying the amount of and type of oil for each make and model of car are possible via the DMS.



### Product features

- 5 dispensation points / 5 oil types, legally calibratable
- Inputs: 5 x double pulse generators, 5 x release contacts
- 10 dispensation points / 10 oil types, non-legally calibratable
- Inputs: 10 x pulse generator
- Outputs for shut-off block and pump control: 10
- Aluminum housing, graphical display 640 x 480
- Electrical connection 100-240 V 50/60 Hz
- PC interface: USB, LAN
- Printer interface RS 232
- Highly durable membrane keyboard, 19 keys
- Data storage via an integrated electronic journal

Part No.:	Description
030 471 100	TMS III, central unit, MID
030 471 200	TMS III, central unit, non-legally calibratable





GO WITH THE FLOW.



Mobile oil dispenser

# LubeTronic 60

The professional oil dispenser.

## LubeTronic 60

The mobile TECALEMIT oil dispenser **LubeTronic 60** is a cart-mounted, electrically operated device for the professional dispensing of engine oils for workshops, gas stations, and industrial settings. The integrated rechargeable battery and USB and/or optional WiFi interface provide the greatest degree of flexibility at the place of use and for the transfer of the data from the integrated fuel terminal. The highly mobile cart simplifies use.

## The benefits

- Flexibility thanks to integrated battery with charger
- Clean, reliable, user-friendly
- Mobile and suitable for a wide range of applications
- Integrated electronic fuel terminal
- Data interface via USB and WiFi (optional)
- 4 castors for maximum maneuverability in small spaces





## LubeTronic 60

LubeTronic 60 is designed for mobile use in workshops, gas stations, and industrial settings for the professional dispensation of engine oils into vehicle engines.

The cart is designed for 60-liter drums.

### Scope of delivery

- Sturdy cart with four castors
- Electrically powered internal gear pump
- Electronic fuel terminal
- Measuring and shut-off block
- USB interface, WiFi (optional)
- 2 m dispensing hose
- Oil dispensation nozzle
- Battery with charge indicator
- Wide-range battery charger and connecting cable

**O**



### Technical characteristics

Motor:	DC motor
Voltage supply:	12 V
Nominal current:	12 A
Output:	0.14 kW
Power-on time:	100 %
Protection rating:	IP 44
Pump type:	Internal gear pump
Max. delivery volume:	5 l/min.*
Max. conveying pressure:	5.0 bar*
Wide-range battery charger:	100 V-240 V, 50/60 Hz, 60 VA
Battery:	12 V VRLA, 36 Ah
Connecting cable:	2 m long with "Schuko" plug
Charging time:	approx. 6 h at maximum
permissible discharge level	
Battery life:	approx. 12 dispensations of
10 liters each	
LCD display:	3.2" diagonal, 128 x 64 pixels
Dispensation hose:	DN 12
Dirt trap:	630 µm
Medium temperature:	0°C to + 40°C
Ambient temperature:	0°C to + 40°C
Medium:	Oil
Viscosity:	80 mPas
Dimensions (W x D x H):	460 x 730 x 1,330 mm
Weight:	approx. 60 kg

\*Depending on viscosity and system

Part No.:	Description
015 591 060	LubeTronic 60

Pumps

Flow meters

Pump systems

Fill level sensors

Workshop technology

Workshop accessories

GO WITH THE FLOW.



Mobile oil dispenser

# LubeTronic 200, 12 V/230 V

Fully documented oil dispensation for 200 l



The mobile TECALEMIT oil dispenser **LubeTronic 200** is a cart-mounted, electrically operated device for the professional dispensing of engine oils for workshops, gas stations, and industrial settings. The integrated rechargeable battery and USB and/or WiFi interface provide the greatest degree of flexibility at the place of use and for the transfer of the data from the integrated oil management system. The highly mobile and off-grid cart-mounted device can be used optimally even in smaller workshops.

## The benefits:

- Flexibility thanks to integrated 12 V battery with charger, or 230 V version
- Clean, reliable, user-friendly
- Mobile and suitable for a wide range of applications
- Integrated oil management system
- Data interface via USB and WiFi
- 2 castors for maximum maneuverability in small spaces



### LubeTronic 200, 12 V/230 V

LubeTronic 200 is designed for mobile applications in workshops, gas stations, and in the industry for the professional and documented dispensation of engine oils. The cart is designed for drums with a capacity of up to 200 liters.

#### Description:

- 230 V version or 12 V battery-operated variant
- Battery with charge indicator
- Wide-range power supply and connecting cable
- Electrically powered internal gear pump
- Sturdy cart with two castors and two rollers
- Oil management system
- Measuring and shut-off block
- USB interface, WiFi
- 2 m dispensing hose
- Oil dispensation nozzle
- Calculated fill level monitoring



#### Technical characteristics

Voltage supply:	230 V/50 Hz
Power-on time:	100 %
Voltage supply:	12 V (battery)
Power-on time:	30 min S2
Battery life:	approx. 25 dispensations of 10 liters each
Wide-range battery charger:	100 V-240 V, 50/60 Hz, 60 VA
Battery:	12 V VRLA, 50 Ah
Charging time:	approx. 6 h at maximum permissible discharge level
Pump type:	Internal gear pump
Max. delivery volume:	5 l/min.*
Connecting cable:	4 m long with "Schuko" plug
LCD display:	3.2" diagonal, 128 x 64 pixels
Dispensing hose:	DN 12
Dirt trap:	630 µm
Temperature of media:	0°C to +40°C
Ambient temperature:	0°C to +40°C
Medium:	Oil
Viscosity:	400 mPas
Dimensions (W x D x H):	775 x 849 x 1,050 mm
Weight:	approx. 60 kg

\*Depending on viscosity and system

Part No.:	Description
015 591 250	LubeTronic 200, 230 V
015 591 200	LubeTronic 200, Battery-Operated



## Measurement and shut-off unit

For FMOG oil management systems, legally calibratable, for oils.  
With bypass valve, incl. pre-approval certificate.  
Dirt trap G 3/4" i, inlet on top, digital display.

Part No.:	Description
030 364 101	Measurement and shut-off unit for oils



## Measurement and shut-off unit

For FMOG oil management systems, legally calibratable, for radiator antifreeze.  
With bypass valve, incl. pre-approval certificate.  
Dirt trap G 3/4" i, inlet on top, digital display.

Part No.:	Description
030 364 111	Measurement and shut-off unit for radiator antifreeze



## Measurement and shut-off unit

For FMOG oil management systems, non-legally calibratable, for oils.  
Without bypass valve, without display, dirt trap G 3/4" i.

Part No.:	Description
030 365 011	Measurement and shut-off unit for oils



## Measurement and shut-off unit

For FMOG oil management systems, non-legally calibratable, for radiator antifreeze.  
Without bypass valve, without display, dirt trap G 3/4" i.

Part No.:	Description
030 365 031	Measurement and shut-off unit for radiator antifreeze



## Control cable 3 x 1 Oelflex

For connecting to the measurement and shut-off unit (solenoid valve)  
to the TKS IV / TMS III central unit

Part No.:	Description
046 074 111	Control cable 3 x 1 Oelflex



## Pulse cable 4 x 0.5 LIYCY

For connecting the measurement and shut-off unit (pulse generator) to the  
TKS IV / TMS III central unit.

Part No.:	Description
046 072 501	Pulse cable 4 x 0.5 LIYCY



## Non-return valve

For installation in the customer's pipeline in flow direction after the  
measurement and shut-off unit, 3/4" i + a.

Part No.:	Description
027 705 000	Non-return valve





## Printer

Dot matrix printer for connecting to the TKS IV / TMS III central unit or Mini Gateway.

Part No.:	Description
030 465 021	Printer



Pumps

## Mini Gateway

Process-supported system for networking multiple TKS IV / TMS III central units on a printer or electronic data processing system.  
Stand-alone applications with log printer or direct connections via RS232 to "classical" dealer management systems.

Part No.:	Description
030 465 241	Mini Gateway



Flow meters

## Transponder unit for TKS IV / TMS III

Incl. 5 fobs

Part No.:	Description
030 479 900	Transponder unit for TKS IV / TMS III



Pump systems

## Data cable 5 x 0.5 LIYCY

For connecting the TKS IV / TMS III central unit with a printer or PC, shielded.

Part No.:	Description
046 072 551	Data cable 5 x 0.5 LIYCY



Fill level sensors

## Bus cable 2 x 0.5 LIYCY

For connecting the TKS IV / TMS III central units to each other and to the Mini Gateway.

Part No.:	Description
046 072 511	Bus cable 2 x 0.5 LIYCY



Workshop technology

## Wall spacer for TKS IV / TMS III

Part No.:	Description
043 470 000	Wall spacer for TKS IV / TMS III



Workshop accessories

## Software

For oil management systems: PC Gateway / File

Part No.:	Description
030 560 901	Software: PC Gateway / File



## Software

For oil management systems: Oil Control - Full version -

Part No.:	Description
030 560 912	Software: Oil Control - Full version -



### Storage

Storage tanks are a system for safe, cost-effective and environmentally-friendly storage. Versions with double-walled steel tanks or lubrication tanks with collection pans offer solutions for various use cases and requirements. All tanks are approved in accordance with the Water Resources Act (WHG) and Regulations Concerning Flammable Liquids (VbF). The matching accessories list with various valves for filling and drainage includes the legally prescribed, type-approved overfill protection.

## PE Combi

# Storage tank

### Product features

Double-walled storage tank for fresh and used oil, flash point above 55 °C, with permits for water hazards and permits mandated by trade law.  
Resistant to radiator antifreeze (concentrate).

- PE inner container with galvanized outer shell as collection trough
- Contents indicator
- Pallet feet
- Leak indicator

<b>Part No.:</b>	<b>030 851 871</b>
Tank contents:	700 l
Length:	1,135 mm
Width:	715 mm
Height:	1,210 mm
Weight:	64 kg

<b>Art. no.:</b>	<b>030 851 881</b>
Tank contents:	1,000 L
Length:	1.135 mm
Width:	715 mm
Height:	1,640 mm
Weight:	94 kg



## PE-VET

# Storage tank

### Product features

- Low weight and easy handling
- Design-integrated vertical struts ensure optimal structural integrity and stability
- Includes optical leak indicator
- No oil smell thanks to SMP odor barrier
- Opaque thanks to silvery-gray color
- 4 openings provide versatile connection options
- More cost-effective purchasing possible thanks to larger storage volume
- Approval: Z-40.21-304
- Tank openings: 4 x 2" IG

<b>Part No.:</b>	<b>030 851 892</b>
Tank contents:	1,500 l
Length:	1,720 mm
Width:	770 mm
Height:	1,700 mm
Weight:	99 kg

<b>Part No.:</b>	<b>030 851 893</b>
Tank contents:	2,000 L
Length:	2,220 mm
Width:	770 mm
Height:	1,700 mm
Weight:	145 kg



## Overfill prevention device

Part No.:	Description
028 553 753	Overfill prevention device



## Filler element

For direct filling

Part No.:	Description
020 102 601	Filler element



## Bleed valve

Part No.:	Description
020 102 701	Bleed valve



## Extraction fitting

For used oil

Part No.:	Description
020 102 801	Extraction fitting for other tanks
020 102 810	Extraction fitting for VET storage tanks



## Extraction fitting

For used oil, for PE Combi storage tanks

Part No.:	Description
229 100 000	Extraction fitting 700 l
229 110 000	Extraction fitting 1,000 l



## Installation set

For tanks

Part No.:	Description
020 102 901	Installation set



## Signal lamp / Signal horn

For GRP and steel storage tanks

Part No.:	Description
028 553 301	Signal lamp
028 552 201	Signal horn



## Non-return valve

For remote filling

Part No.:	Description
027 150 601	Non-return valve



## Ball valve 2"

For remote filling

Part No.:	Description
027 142 351	Ball valve 2"



## Drip pan

For remote connections

Part No.:	Description
043 526 801	Drip pan



## Leakage warning device

For optical and acoustic warnings in the case of fluid accumulation, e.g. in oil storage areas, collection pans etc. with self-checking sensor.

Part No.:	Description
028 553 251	Leakage warning device



## Used oil tank changeover

Automatic used oil tank change over for 2 tanks. Electronic controller for the monitoring and changeover of the emptying of used oil tanks.

Part No.:	Description
027 706 010	Used oil tank changeover



## Expansion set

For 1 tank, for automatic used oil tank changeover

Part No.:	Description
027 706 020	Used oil tank changeover



## Fresh oil tank changeover

Automatic fresh oil tank changeover for 2 tanks. Electronic controller for the monitoring and changeover of the emptying of fresh oil tanks.

Part No.:	Description
027 706 120	Fresh oil tank changeover



## Expansion set

For 1 tank, for automatic fresh oil tank changeover

Part No.:	Description
027 706 110	Expansion set for 1 tank



## Empty tank monitor

The automatic empty tank monitor signals when a fresh oil tank is running empty, thereby preventing the pump from running dry.

Part No.:	Description
027 706 200	Fresh oil tank changeover



## Remote oil equipment

**TZ10Ae****Electric pump for fresh oil, legally calibratable**

Electrically-driven gear pump for conveying and dispensing liquid lubricating, non-aggressive media for hazard class A III.

**Product features**

- For engine, gear, and hydraulic oils, as well as radiator antifreeze (concentrate)
- With compensation reservoir, mounting bracket
- Suction connection with dirt trap
- Or version with: diaphragm pressure regulator, connecting cable and plug, completely assembled
- Without suction line, without pressure line

Part No.:	Description
015 482 011	Electric pump TZ10Ae, legally calibratable, 230 V
015 482 101	Electric pump TZ10Ae, legally calibratable, 230 V Diaphragm pressure regulator, connecting cable and plug
015 482 012	Electric pump TZ10Ae, legally calibratable, 400 V
015 482 121	Electric pump TZ10Ae, legally calibratable, 400 V



015 482 011



015 482 101

## Remote oil equipment

**TZ10An****Electric pump for fresh oil, non-legally calibratable**

Electrically-driven gear pump for conveying and dispensing liquid lubricating, non-aggressive media for hazard class A III.

**Product features**

- For engine, gear, and hydraulic oils, as well as radiator antifreeze (concentrate)
- With compensation reservoir and mounting bracket
- Suction connection with dirt trap
- Or version with: diaphragm pressure regulator, connecting cable and plug, completely assembled
- Without suction line, without pressure line

Part No.:	Description
015 485 011	Electric pump TZ10An, non-legally calibratable, 230 V
015 485 101	Electric pump TZ10An, non-legally calibratable, 230 V Diaphragm pressure regulator, connecting cable and plug
015 485 012	Electric pump TZ10An, non-legally calibratable, 400 V
015 485 121	Electric pump TZ10An, non-legally calibratable, 400 V



015 485 011



015 485 101



Remote oil equipment  
**TPAe/TPKe** **O R**

**Pneumatic pump for fresh oil, legally calibratable**

This pneumatically-driven piston pump is used for the conveying of lubricants and similar fluids when the storage area and the dispensation area are in different places. The high-performance pumps work using a liquid-filled system and guarantee a consistently high delivery performance even with long pipe distances and high counter pressures.

**Product features**

- For engine, gear, and hydraulic oils, as well as radiator antifreeze (concentrate)
- With gas measurement prevention equipment - **TPAe**
- With oil pressure regulator and automatic shut-off - **TPAe**
- Air supply hose with plug
- Suction connection with dirt trap G 3/4"
- Continuous overflow - **TPKe**
- Air pressure regulator - **TPKe**
- Without suction line, without pressure line

Part No.:	Description
015 426 016	Pneumatic pump TPAe, legally calibratable/ approx. 10 l/min.
015 427 071	Pneumatic pump TPKe, legally calibratable / approx. 10 l/min.



Pumps

Flow meters

Pump systems

Fill level sensors

Remote oil equipment  
**TPAn/TPn** **O R**

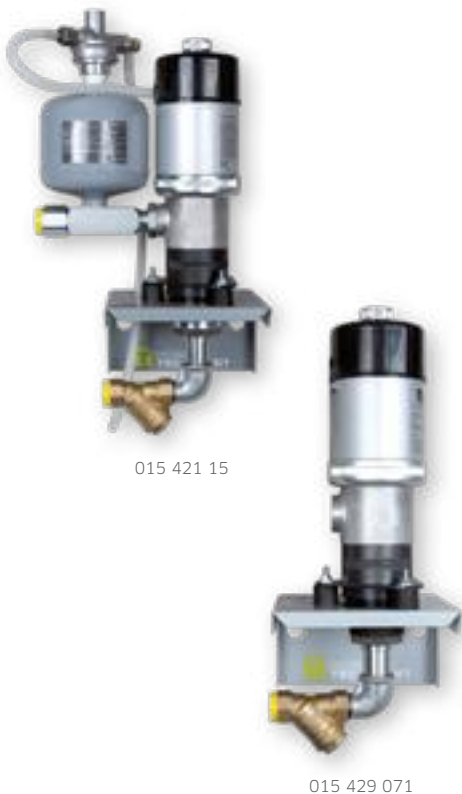
**Pneumatic pump for fresh oil, legally calibratable**

This pneumatically-driven piston pump is used for the conveying of lubricants and similar fluids when the storage area and the dispensation area are in different places. The high-performance pumps work using a liquid-filled system and guarantee a consistently high delivery performance even with long pipe distances and high counter pressures.

**Product features**

- For engine, gear, and hydraulic oils, as well as radiator antifreeze (concentrate)
- With surge tank and oil pressure regulator - **TPAn**
- Automatic shut-off - **TPAn**
- Air supply hose with plug
- Suction connection with dirt trap G 3/4" - **TPAn**
- Without suction line, without pressure line

Part No.:	Description
015 421 015	Pneumatic pump TPAn, non-legally calibratable/ approx. 20 l/min.
015 429 071	Pneumatic pump TPn, non-legally calibratable/ approx. 20 l/min.



Workshop technology

Workshop accessories

## Suction pipe guide ring G 2"

For electric/pneumatic remote oil equipment

Part No.:	Description
043 508 481	Suction pipe guide ring G 2"



## Contactor control 230 V

For the electrical operation of the pump.

Part No.:	Description
028 536 331	Contactor control 230 V



## Pump switch-off

Time-controlled, 0.5-10 min. for electric remote oil equipment

Part No.:	Description
030 460 651	Pump switch-off, time-controlled



## Diaphragm pressure regulator

Installed on the compensation reservoir of electric remote oil equipment.

Part No.:	Description
028 525 011	Diaphragm pressure regulator M 22 x 1.5
028 525 021	Diaphragm pressure regulator 1/2" a



## Suction line for 200 l drum

DN 32, for electric/pneumatic remote oil equipment, G 3/4"

Part No.:	Description
029 056 451	Suction line for 200 l drum, 1.00 m



## Suction line for GRP tanks

For electric/pneumatic remote oil equipment, G 3/4"

Part No.:	Description
029 056 371	Suction line for GRP tanks, 1,300 l + 2,000 l, 1.50 m



## Suction line for other tank sizes

For electric/pneumatic remote oil equipment

Part No.:	Description
029 056 391	Suction line for other tank sizes, 1.80 m



## Return line

For electric remote oil equipment for the conveying of liquids from tanks.

Part No.:	Description
029 058 101	Return line, flex pipe, DN 12 x 2,000 mm



## Flex pipe

For connection to customer piping. Connections: G3/4" IG - R3/4" AG.

Part No.:	Description
026 090 511	Flex pipe DN 20 x 500 mm



## 3-way forced switch

For joint switching of two suction lines and two return lines for electric remote oil equipment.

Part No.:	Description
027 131 201	3-way forced switch



## PVC return line

For the conveying of fluids from the original containers for electric remote oil equipment.

Part No.:	Description
043 820 701	PVC return line, 1.5 m long



## 3-way ball valve 3/4"

For assembling a duo suction line

Part No.:	Description
027 131 101	3-way ball valve 3/4"



## 2-way ball valve 3/4" i+a

For electric/pneumatic remote oil equipment

Part No.:	Description
027 133 582	2-way ball valve 3/4" i+a



## Dirt trap R 3/4" i

For electric/pneumatic remote oil equipment, 630 µ filter

Part No.:	Description
027 704 501	Dirt trap R 3/4" i



## Air supply hose, 1.0 m

Part No.:	Description
029 030 305	Air supply hose, 1.0 m



## Manual venting device 3/4"

For installation in customer's piping at the highest points

Part No.:	Description
027 705 010	Manual venting device 3/4"



## Drip pan

Dimensions (W x H x D): 500 x 150 x 240 mm

Part No.:	Description
043 526 801	Drip pan for remote oil equipment



## FLR combination unit

With 1/4" connecting screw thread, max. 12 bar

Part No.:	Description
ATCFRL6	FLR combination unit 1/4", max. 12 bar



## Wall hose holder

Part No.:	Description
043 332 351	Wall hose holder



## Suction and dispensing hose

Part No.:	Description
029 060 422	Suction and dispensing hose, DN 16, G 1/2", 2.25 m long
029 060 432	Suction and dispensing hose, DN 16, G 1/2", 3.15 m long
029 060 442	Suction and dispensing hose, DN 16, G 1/2", 4.50 m long
029 060 462	Suction and dispensing hose, DN 16, G 1/2", 6.30 m long



# Hose reel eco



## Dispensation

The eco hose reel for fresh oil dispensation is ideal for daily use in the workshop. Due to its compact design, it is also a great addition to small oil pump systems or add-on pumps.

## Product features

- For fresh and used oil, radiator antifreeze
- Cannot be installed in rows
- Console with reel and hose guide
- Sheet metal housing, enameled
- Dispensation hose with buffer included in scope of delivery.
- Incl. flexible connection hose, 750 mm long
- Automatic locking mechanism locks the hose in place, increasing comfort of use
- Supplied without dispensing nozzle (available as an accessory)

- Hose connector: 1/2"
- Max. operating pressure 150 bar

Part No.:	Description
013 496 001	Hose reel eco, 10 m hose length
013 496 005	Hose reel eco, 15 m hose length






TE 2n  
tank-mounted unit



## Hand flow meter, digital, non-legally calibratable

For engine, gear, and hydraulic oil, as well as radiator antifreeze (concentrate)

- Oval gear meter
- Aluminum housing
- Impact-resistant plastic housing- **ZVE Preset**
- Volume preset - **ZVE Preset**
- Viscosity range 20 - 2,000 mPa.s
- Includes axial swivel joint IG 1/2"
- Lithium battery for approx. 10-year service life, plug-in
- 9 V block battery - **ZVE Preset**



Part No.:	Description	Medium	Flow rate	
027 170 211	FMOG, MÖ Non-legally calibratable	Engine oil, Radiator antifreeze (concentrate)	1- max. 15 l/min.*	
027 170 221	FMOG, GÖ Non-legally calibratable	Gear oil	1-15 max. l/min.*	
027 170 475	ZVE Preset Non-legally calibratable	Engine, gear and hydraulic oil Radiator antifreeze (concentrate)	0.5 - 19 max. l/min.*	

\*Depending on viscosity and system

Anti-kink mechanism

## Dispensing nozzle, with sight glass

For engine and gear oil

Part No.:	Description	Medium	
027 240 532	Dispensing nozzle MÖ	Engine oil	
027 240 552	Dispensing nozzle GÖ	Gear oil	

## Drip pan

Single piece, with drainage screw

Part No.:	Description
043 561 011	Drip pan, single piece



## Dirt trap R 3/4" i

For electric/pneumatic remote oil equipment, 200 µ filter

Part No.:	Description
027 704 451	Dirt trap R 3/4" i



## 2-way ball valve 3/4" i+a

For electric/pneumatic remote oil equipment

Part No.:	Description
027 133 582	2-way ball valve 3/4" i+a



Universal

# Hose reel



## Dispensation

The hose reel for fresh oil dispensation is ideal for daily use in the workshop. Due to its compact design, it is also a great addition to small oil pump systems or add-on pumps.

## Product features

- For fresh and used oil
  - Can be installed in rows
  - Console with reel and hose guide
  - Oil hose with hose buffer
  - Full-metal flex pipe, 750 mm long, for connecting to pipeline
  - Automatic locking mechanism locks the oil hose in place
  - Sheet metal housing
  - Without dispensation nozzle
- Max. flow rate: 20 l/min
  - Hose connector: G 1/2"
  - Max. operating pressure 16 bar








Part No.:	Description
013 414 012	Hose reel, 10 m hose length
013 454 012	Hose reel, 12 m hose length
013 474 011	Hose reel, 15 m hose length



## Hand flow meter, digital, (non-)legally calibratable



For engine, gear, and hydraulic oil, as well as radiator antifreeze (concentrate)

- Oval gear meter
- Aluminum housing
- Impact-resistant plastic housing- **ZVE Preset**
- Volume preset - **ZVE Preset**
- Viscosity range 20 - 2,000 mPa.s
- Includes axial swivel joint IG 1/2"
- Lithium battery for approx. 10-year service life, plug-in
- 9 V block battery - **ZVE Preset**

Part No.:	Description	Medium	Flow rate	
027 170 011	FMOG, MÖ, legally calibratable incl. pre-approval certificate	Engine oil, Radiator antifreeze (concentrate)	1- max. 15 l/min.*	
027 170 021	FMOG, GÖ, legally calibratable incl. pre-approval certificate	Gear oil	1- max. 15 l/min.*	
027 170 211	FMOG, MÖ, non-legally calibratable	Engine oil, Radiator antifreeze (concentrate)	1- max. 15 l/min.*	
027 170 221	FMOG, GÖ, non-legally calibratable	Gear oil	1- max. 15 l/min.*	
027 170 475	ZVE Preset, non-legally calibratable	Engine, gear and hydraulic oil, radiator antifreeze (concentrate)	0.5 - max. 19 l/min.* <small>*Depending on viscosity and system</small>	 <small>Anti-kink mechanism</small>

## Dispensing nozzle, with sight glass

For engine and gear oil

Part No.:	Description	Medium	
027 240 532	Dispensing nozzle	Engine oil	
027 240 552	Dispensing nozzle	Gear oil	

## Drip pan

One-, two-, or three-piece with drainage screw

Part No.:	Description
043 561 011	Drip pan, one-piece
043 562 011	Drip pan, two-piece
043 563 011	Drip pan, three-piece



## Dirt trap R 3/4" i

For electric/pneumatic remote oil equipment, 200 µ filter

Part No.:	Description
027 704 451	Dirt trap R 3/4" i



## 2-way ball valve 3/4" i+a

For electric/pneumatic remote oil equipment

Part No.:	Description
027 133 582	2-way ball valve 3/4" i+a



## Standing columns

# Portal columns Safe, space-saving and clean

Portal column compact systems allow for the installation of multiple hose reels, waste oil suction devices, oil management systems, power sockets for AC and DC current, as well as pressurized air cans and maintenance units. The portal column is the ideal alternative for workshops where no walls or intermediate supports are available for an installation.

### The benefits

- **Space-saving solution for up to 10 dispensation points. Can be retrofitted at any time**
- **Hose can easily be pulled out in any direction (up to 15 m)**
- **Increased safety due to less tripping hazards**
- **Stable, robust, and UV-resistant**
- **A clean workspace thanks to drip pan**



### Product features

- 2 standing profiles
- 2 cross-braces
- 1 drip protection pan with removable grating insert
- Pipes can be connected either from above or below
- RAL 9005
- Base cover panel (optional)
- Hose reels not in scope of delivery

Part No.:	Description	Dimensions (W x D x H)
030 820 020	Portal column, for 2 hose reels	544 x 400 x 2,556 mm
030 820 040	Portal column, for 4 hose reels	844 x 400 x 2,556 mm
030 820 060	Portal column, for 6 hose reels	1,144 x 400 x 2,556 mm
030 820 080	Portal column, for 8 hose reels	1,444 x 400 x 2,556 mm
030 820 100	Portal column, for 10 hose reels	1,744 x 400 x 2,556 mm










Fig.: Portal column for 4 hose reels



## Hand flow meters, digital/analog

For engine and gear oil

Part No.:	Description	Medium	
027 170 011	FMOG hand flow meter for engine oil, digital, legally calibratable incl. pre-approval certificate, with axial swivel joint IG 1/2"	Engine oil	
027 170 021	FMOG hand flow meter for gear oil, digital, legally calibratable incl. pre-approval certificate, with axial swivel joint IG 1/2"	Gear oil	
027 170 211	FMOG hand flow meter for engine oil, digital, non-legally calibratable incl. axial swivel joint IG 1/2"	Engine oil	
027 170 221	FMOG hand flow meter for gear oil, digital, non-legally calibratable incl. axial swivel joint IG 1/2"	Gear oil	
027 170 832	Hand flow meter for gear oil, analog, non-legally calibratable with axial swivel joint IG 1/2"	Gear oil	
027 240 532	Dispensing nozzle for engine oil, analog, with axial swivel joint G 1/2"	Engine oil	
027 240 552	Dispensing nozzle for gear oil, analog, with axial swivel joint G 1/2"	Gear oil	

## Universal hose reel

For fresh/used oil, lubricant, air/water

Part No.: 013 414 012, 10 m  
Universal hose reel for fresh/used oil

Part No.: 013 454 012, 12 m  
Universal hose reel for fresh/used oil

Part No.: 013 474 011, 15 m  
Universal hose reel for fresh/used oil

Part No.: 013 415 012, 10 m  
Universal hose reel for lubricant

Part No.: 013 455 012, 12 m  
Universal hose reel for lubricant

Part No.: 013 475 011, 15 m  
Universal hose reel for lubricant

Part No.: 013 416 011, 10 m  
Universal hose reel for air/water

Part No.: 013 456 011, 12 m  
Universal hose reel for air/water

Part No.: 013 476 011, 15 m  
Universal hose reel for air/water



013 414 012

## Cover panels for portal columns

Base panels to cover evacuating pipes and other pipes when portal column connections are at the bottom.

Part No.:	Description
030 830 020	Cover panel for portal column with 2 nozzles
030 830 040	Cover panel for portal column with 4 nozzles
030 830 060	Cover panel for portal column with 6 nozzles
030 830 080	Cover panel for portal column with 8 nozzles
030 830 100	Cover panel for portal column with 10 nozzles
030 840 020	Door and shelf racks for portal column with 2 nozzles
030 840 040	Door and shelf racks for portal column with 4 nozzles
030 840 060	Door and shelf racks for portal column with 6 nozzles
030 840 080	Door and shelf racks for portal column with 8 nozzles
030 840 100	Door and shelf racks for portal column with 10 nozzles



030 830 020

# TECALEMIT Vario System TVS

The TVS is a modular system for oil dispensation in the workshop. Its space-saving design, the integratability of conventional and electronic measurement systems, and the dispensation via nozzles or hose reels are distinguishing characteristics of this system. Vario systems can be configured as wall or pedestal units, with or without a hose reel attachment. Vario systems offer an oil dispensation method that is clean and fits into even the smallest of workshops, and can be combined with an oil suction removal system.

In the basic configuration, Vario systems can be retrofitted to hold 1 to 3 oil dispensation points at any time in the future. Additional dispensation points are achieved with add-on modules. Special assembly kits ensure the greatest degree of prefabrication, such that all that has to be done at the installation site is connect the electrical wiring and the oil line with the pre-mounted flex pipes.

## The heart of the TECALEMIT oil management system

TMS III electronic oil management system for managing and monitoring oil supply systems in vehicle workshops and in the industry. Data storage is realized via an integrated electronic journal (no log printer required).



TVS TECALEMIT Vario System  
Sample wall unit  
Dimensions (W x D x H):  
450 x 520 x 1,090 mm



TVS TECALEMIT Vario System  
Sample standing column incl.  
substructure, closed  
Dimensions (W x D x H):  
450 x 750 x 2,650 mm

## TVS basic module for wall unit

Part No.:	Description
030 720 021	Basic module for wall unit



## TVS basic module for standing unit

Part No.:	Description
030 720 031	Basic module for standing unit incl. substructure, closed



## Surcharge for TVS substructure

Part No.:	Description
027 910 021	Surcharge for TVS substructure as can shelving with shelf rack



## TVS front covering

For dispensing nozzle

Part No.:	Description
030 810 051	TVS front covering



## TVS front covering

For hose reel attachment

Part No.:	Description
030 810 041	TVS front covering



## TVS instrument panel

For FMOG flow meter

Part No.:	Description
030 810 012	TVS instrument panel



## TVS instrument panel

For TKS IV central unit

Part No.:	Description
030 810 111	TVS instrument panel



## TVS instrument panel

For TMS III central unit

Part No.:	Description
030 810 101	TVS instrument panel



## TVS instrument blind panel

TVS system component for modular system  
for oil dispensation

Part No.:	Description
030 810 061	TVS instrument blind panel



## TVS dispensing nozzle switch

For oil

Part No.:	Description
027 210 001	TVS dispensing nozzle switch



## TVS hose reel attachment bracket

Part No.:	Description
030 720 011	TVS hose reel attachment bracket



## TVS flat mounting fee

Per dispensing point (conventional)

Part No.:	Description
020 201 401	TVS flat mounting fee

## TVS flat mounting fee

Per dispensing point (management system)

Part No.:	Description
020 201 411	TVS flat mounting fee

## TVS flat mounting fee

Per dispensing point with hose reel

Part No.:	Description
020 201 421	TVS flat mounting fee

GO WITH THE FLOW.

Tank-mounted units

# TE 2n & TE 1n

The optimal complete solution for your workshop

TECALEMIT offers the ideal and complete oil service unit for workshops and motor pools.

Tank-mounted units for the dispensing of lubricants are supplied ready-for-connection with a "Schuko" mains plug, without requiring additional pipe-laying.

## The benefits

- All-inclusive
- Compact and mobile
- Simple operation
- System is ready for connection
- Can be put to use immediately



## Product features

- Storage: double-walled tank  
Inside: PE storage container  
Exterior: hot-dip galvanized sheet metal jacket with integrated carrying handles, contents indicator, with pallet feet and transportation approval
- Oil dispensation: via closed hose retraction device with 10 m hose length or 6.3 m hose, digital FMOGne hand flow meter with dispensing nozzle holder and drip pan
- Pump: complete, mounted on fixed mounting bridge
- Optional: tanker coupling, filling elbow, tank bleed valve and overfill protection device
- Fill level indicator
- Pallet feet for lift truck or forklift



Tank-mounted unit TE 2n 1,000 l



## Tank-mounted unit TE 1n 1,000 ltr

### Key technical data

- Double-walled 1,000 ltr tank with galvanized steel jacket
- Electric gear pump
- 230 V / 50 Hz / 0.55 W
- Hose line 6.30 m
- FMOGne digital hand flow meter, non-legally calibratable
- Fill level and optical leak indicator

Part No.:	Description	Delivery rate
015 418 101	Tank-mounted unit TE 1n 1,000 l	approx. 10 l/min.



## Tank-mounted unit TE 2n 1,000 ltr

### Key technical data

- Double-walled 1,000 ltr tank with galvanized steel jacket
- Electric gear pump
- 230 V / 50 Hz / 0.55 W
- Hose reel eco 10 m, closed
- FMOGne digital hand flow meter, non-legally calibratable
- Fill level and optical leak indicator

Part No.:	Description	Delivery rate
015 417 101	Tank-mounted unit TE 2n 1,000 l	approx. 10 l/min.



## Overfill prevention device

Part No.:	Description
028 553 753	Overfill prevention device



## Signal horn

Part No.:	Description
028 552 201	Signal horn



## Filler element

Part No.:	Description
020 102 601	Filler element for direct filling



## Signal lamp

For GRP and steel storage tanks

Part No.:	Description
028 553 301	Signal lamp



## Bleed valve

Part No.:	Description
020 102 701	Bleed valve



## Leakage warning device

For optical and acoustic warnings in the case of fluid accumulation, e.g. in oil storage areas, collection pans etc. with self-checking sensor.

Part No.:	Description
028 553 251	Leakage warning device



## Installation set

Part No.:	Description
020 102 901	Mounting set for tanks



## Accessory set for safety tank

Consists of: Tanker coupling, filling elbow, tank bleed valve and overfill protection device, type-approved

Part No.:	Description
020 202 611	Accessory set for safety tank



## Oil dispenser

# DrumMobil 200

Mobile oil dispensing made easy.

If you are looking for a reliable universal transport cart that fits original drums up to a capacity of 220 ltr and do not want to have to make compromises where safety, ease of use, and service-friendliness are concerned, DrumMobil 200 is the perfect option.

These universal mobile dispensing devices are suitable for universal use in workshops, gas stations and industrial establishments. No matter whether they are outfitted with an electric or pneumatic conveying apparatus, all you have to do is connect the energy supply, and the DrumMobil 200 is ready for use.

### The benefits

- **Extremely stable cart**
- **Quiet operation**
- **Low-wear pump**



DrumMobil EPe with optionally available hand flow meter

### Technical characteristics

- Non-legally calibratable
- Flow rate: max. 10 l/min. (DrumMobil EP)  
max. 20 l/min. (DrumMobil PP)
- Connection data: 230 V/50 Hz
- Viscosity range: max. 2,000 mPa·s
- Protection class: IP 44
- Load capacity: 300 kg
- Dimensions (W x D x H): 550 x 405 x 1,150 mm
- **Drum not included**

#### Part No.: 015 597 500 DrumMobil 200 PPne

- Pneumatic drum oil dispenser  
Pressure regulator
- HDZ FMOGne hand flow meter

#### Part No.: 015 598 500 DrumMobil 200 EPne

- Oil pump with electric drive  
230 V/50 Hz
- HDZ FMOGne hand flow meter
- Internal overflow

#### Part No.: 015 598 900 DrumMobil 200 EPne

- Oil pump with electric drive  
230 V/50 Hz
- ZVE Preset ne hand flow meter
- Internal overflow

#### Part No.: 015 262 651 DrumMobil 60-KP 01

- Rotary pump KP01
- Ball valve and filling tube, bent

## FMOG hand flow meter for engine oil, digital, non-legally calibratable

For engine oil and radiator antifreeze (concentrate) incl. axial swivel joint IG 1/2".  
Oval gear meter, aluminum housing, lithium battery for approx. 10-year service life, plug-in.

Part No.:	Description
027 170 211	FMOG hand flow meter for engine oil, digital



## FMOG hand flow meter for gear oil, digital, non-legally calibratable

For gear oil, incl. axial swivel joint IG 1/2".  
Oval gear meter, aluminum housing, lithium battery for approx. 10-year service life, plug-in.

Part No.:	Description
027 170 221	FMOG hand flow meter for gear oil, digital



## ZVE Preset ne hand flow meter with volume preset, engine oil nozzle, digital, non-legally calibratable

For engine, gear, and hydraulic oils, radiator antifreeze (concentrate), incl. axial swivel joint IG 1/2".  
Oval gear meter, impact-resistant plastic housing, 9 V block battery.

Part No.:	Description
027 170 475	Hand flow meter Preset



Anti-kink mechanism

## Dispensing nozzle with sight glass

For engine oil, incl. axial swivel joint IG 1/2".

Part No.:	Description
027 240 532	Dispensing nozzle, engine oil



## Dispensing nozzle with sight glass

For gear oil, incl. axial swivel joint IG 1/2".

Part No.:	Description
027 240 552	Dispensing nozzle, gear oil



## Filling tube, bent

With flexible extension

Part No.:	Description
027 240 821	Filling tube, bent, with flexible extension



## Filling adapter NAG 2

Part No.:	Description
027 270 201	Filling adapter NAG 2



## Universal transport cart DrumMobil 200

For original drums up to a capacity of 200 ltr

Part No.:	Description
027 952 503	Universal transport cart DrumMobil 200





GO WITH THE FLOW.



Oil dispenser

# LubeMobil S2/Se2

Professional oil dispensation.

The TECALEMIT oil dispenser LubeMobil S2 for the professional dispensing of oil, with great flexibility of use in the workshop and at gas stations. With the compressed air reservoir in the tank, oil can be dispensed multiple times without the use of electricity.

## The benefits

- Clean, reliable, user-friendly
- Mobile and suitable for a wide range of applications
- Eliminates disposal costs for single-use oil packaging



## Description

- Non-legally calibratable/legally calibratable
- Tank device with 2 steering and 2 guide castors
- Oil tank with fill level indicator and compressed air tank
- 2.25 m dispensing hose
- Suction line for self-filling

## Technical characteristics

- Approx. 70 ltr usable capacity
- Approx. 80 ltr tank volume
- Delivery rate: approx. 5 l/min.\*
- Intake air pressure: 3 - 10 bar
- Safety valve: 2.2 bar
- Viscosity range: max. 2,000 mPa.s
- Dimensions (W x H x D): 400 x 1,300 x 550 mm

\*Viscosity-dependent

**Part No.: 015 245 380**  
**LubeMobil S2**

- Pneumatic, with self-filling mechanism
- HDZ FMOGe hand flow meter non-legally calibratable

**Part No.: 015 248 289**  
**LubeMobil Se2**

- Pneumatic, with self-filling mechanism
- HDZ FMOGe hand flow meter legally calibratable



LubeMobil 80 S2 oil dispenser



## FMOG hand flow meter for engine oil, digital, legally calibratable

Incl. pre-approval certificate, incl. axial swivel joint IG 1/2". For engine oil and radiator antifreeze (concentrate). Oval gear meter, aluminum housing, lithium battery for approx. 10-year service life, plug-in.

Part No.:	Description
027 170 011	FMOG hand flow meter for engine oil, digital, legally calibratable



## FMOG hand flow meter for gear oil, digital, legally calibratable

Incl. pre-approval certificate, incl. axial swivel joint IG 1/2". For gear oil. Oval gear meter, aluminum housing, lithium battery for approx. 10-year service life, plug-in.

Part No.:	Description
027 170 021	FMOG hand flow meter for gear oil, digital, legally calibratable



## FMOG hand flow meter for engine oil, digital, non-legally calibratable

For engine oil and radiator antifreeze (concentrate) incl. axial swivel joint IG 1/2". Oval gear meter, aluminum housing, lithium battery for approx. 10-year service life, plug-in.

Part No.:	Description
027 170 211	FMOG hand flow meter for engine oil, digital



## FMOG hand flow meter for gear oil, digital, non-legally calibratable

For gear oil, incl. axial swivel joint IG 1/2". Oval gear meter, aluminum housing, lithium battery for approx. 10-year service life, plug-in.

Part No.:	Description
027 170 221	FMOG hand flow meter for gear oil, digital



## ZVE Preset hand flow meter with volume preset, engine oil nozzle, digital, non-legally calibratable

For engine, gear, and hydraulic oils, radiator antifreeze (concentrate), incl. axial swivel joint IG 1/2". Oval gear meter, impact-resistant plastic housing, 9 V block battery.

Part No.:	Description
027 170 475	ZVE Preset ne hand flow meter



Anti-kink mechanism

## Dispensing nozzle with sight glass

For engine oil, incl. axial swivel joint IG 1/2".

Part No.:	Description
027 240 532	Dispensing nozzle, engine oil



## Dispensing nozzle with sight glass

For gear oil, incl. axial swivel joint IG 1/2".

Part No.:	Description
027 240 552	Dispensing nozzle, gear oil



## Filling tube, bent / Filling adapter NAG 2

With flexible extension

Part No.:	Description
027 240 821	Filling tube, bent, with flexible extension
027 270 201	Filling adapter NAG 2



## Suction lance

Part No.:	Description
029 056 380	LubeMobil suction lance for 1,500 ltr tank
029 056 381	LubeMobil suction lance for 1,100 ltr tank



Mobile AdBlue® dispensing device

# BlueMobil 60

## Mobile AdBlue® dispensation rapid & user-friendly

The electrically operated AdBlue® dispensation device **BlueMobil 60** is the compact and user-friendly solution for the mobile refueling of passenger cars and light utility vehicles in workshops. The integrated **TECALEMIT FMT 3** flow meter ensures an optimal overview of the dispensation amount, and the special **automatic dispensation nozzle** for refilling passenger cars with AdBlue® ensures the greatest ease of use. The **BlueMobil 60** is equipped with an integrated battery, allowing it to be used **independently of mains power** at any location.

### The benefits:

- Flexibility thanks to integrated battery
- Optimized recording of dispensation amounts thanks to integrated **FMT 3** flow meter
- High-Flow and Low-Flow with 4.5 l/min. and 8 l/min. filling speeds
- Integrated 12 V battery charger
- Charge level indicator
- Fittings cover with integrated nozzle holder
- Four castors for maximum flexibility



## BlueMobil 60

The **BlueMobil 60** has been conceived for mobile use in workshops for refilling passenger cars and light utility vehicles with AdBlue®. Dispensing is carried out using standards-compliant filler necks according to ISO 22241-5. The integrated reservoir tank has a capacity of approx. 60 liters, and can also be replaced with small 60 ltr drums where necessary.

### Scope of delivery:

- Robust cart with four castors
- Electrically powered diaphragm pump
- **FMT 3** electronic flow meter
- 2 m dispensing hose with anti-kink spring
- Automatic dispensing nozzle for refilling passenger cars with AdBlue®
- 60 l reservoir tank
- Battery with charge indicator
- Battery charger and connecting cables



Pumps

Flow meters

Pump systems

Fill level sensors

Workshop technology

Workshop accessories

## BlueMobil 60

### Key technical data

Pump type:	Diaphragm pump
High-Flow delivery rate:	approx. 8 l/min.
Low-Flow delivery rate:	approx. 4.5 l/min.
Max. conveying pressure:	5.0 bar
Dispensing hose:	DN 19
Compressed air spigot:	DN 7.2
Dirt trap:	630 µm
Pressure port:	3/4"
Suction port:	3/4"
Medium temperature:	+ 5°C to + 30°C
Ambient temperature:	+ 5°C to + 40°C
Dimensions (W × D × H):	460 × 730 × 1,330 mm
Weight:	approx. 70 kg

Part No.	Description
015 599 260	BlueMobil 60



AdBlue® is a registered trademark of the German Association of the Automotive Industry (VDA)



Mobile AdBlue® dispensing device

# BlueMobil eco

## AdBlue® dispensations made quick and easy

The pneumatically operated AdBlue® dispensation device **BlueMobil eco** is the simple and cost-optimized solution for the mobile refueling of passenger cars and light utility vehicles in workshops. The integrated **TECALEMIT FMT 3** flow meter ensures an optimal overview of the dispensation amount, and the special automatic nozzle for refilling passenger cars with AdBlue® ensures the greatest ease of use.

### The benefits:

- **Optimized recording of dispensation amounts thanks to integrated FMT 3 flow meter**
- **High-Flow and Low-Flow with 4.5 l/min. and 8 l/min. filling speeds**
- **Easy to operate using existing compressed air network**
- **Sturdy cart**
- **Four castors for maximum flexibility even in tight spaces**





## BlueMobil eco

For Part No. see below

The BlueMobil eco has been conceived for mobile use in workshops for refilling passenger cars and light utility vehicles with AdBlue.

Dispensing is carried out using standards-compliant filler necks according to ISO 22241-5. The integrated reservoir tank has a capacity of approx. 60 liters or 120 liters (optional variants), and can also be replaced with small drums where necessary.

### Scope of delivery:

- Sturdy cart with four castors
- Pneumatic membrane pump
- **FMT 3** electronic flow meter
- 2 m dispensing hose
- Automatic AdBlue® dispensing nozzle for refilling passenger cars
- Suction line
- 60 ltr / 120 ltr reservoir tank



## BlueMobil eco

### Key technical data

Pump type:	membrane pump
High-Flow delivery rate:	approx. 8 l/min.
Low-Flow delivery rate:	approx. 4.5 l/min.
Max. conveying pressure:	6.0 bar
Compressed air inlet:	min. 6.0 bar max. 10.0 bar
Dispensing hose:	DN 19
Compressed air spigot:	DN 7.2
Dirt trap:	630 µm
Pressure port:	3/4"
Suction port:	3/4"
Medium temperature:	+ 5°C to + 30°C
Ambient temperature:	+ 5°C to + 40°C
Dimensions (W × D × H):	483 × 680 × 1,096 mm
Weight:	approx. 38 kg

Part No.:	Description
015 599 060	BlueMobil 60 eco, non-legally calibratable
015 599 120	BlueMobil 120 eco, non-legally calibratable



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GO WITH THE FLOW.

Mobile AdBlue® dispensing device

# BlueTronic 100 MID

Mobile AdBlue® dispensation  
Precise & documented

**NEW!**

The electrically operated AdBlue® dispensation device **BlueTronic 100 MID** joins the family of mobile AdBlue® dispensation devices from TECALEMIT, providing what is certainly the most sophisticated solution for the mobile refueling of passenger cars and light utility vehicles in workshops.

The integrated **HDA blue pro** fuel terminal from TECALEMIT ensures an optimal overview of the dispensation amounts, documents, records, and provides the order data for further use, and allows individual user logins via a code.

With its integrated battery, **BlueTronic 100 MID** can be used autonomously and **off the grid** wherever it is needed.

#### The benefits:

- Flexibility thanks to integrated battery
- Integrated functionality of the HDA blue pro fuel terminal
- High-Flow and Low-Flow with 4.5 l/min. and 8 l/min. filling speeds
- Integrated 12 V battery charger



## BlueTronic 100 MID

The **BlueTronic 100 MID** has been conceived for mobile use in workshops for refilling passenger cars and light utility vehicles with AdBlue®. Dispensing is carried out using standards-compliant filler necks according to ISO 22241-5. The integrated reservoir tank has a capacity of approx. 100 liters, and can also be replaced with small 100 ltr drums where necessary.

### Scope of delivery:

- Robust cart with two guide castors and two fixed rollers
- Electrically powered diaphragm pump
- **HDA blue pro** electronic fuel terminal
- 2 m dispensing hose with anti-kink spring
- Automatic dispensing nozzle for AdBlue®
- 100 ltr reservoir tank
- Battery with charge indicator
- Battery charger and connecting cables



## BlueTronic 100 MID

### Technical characteristics

Voltage:	12 V
Nominal current:	15 A
Output:	0.15 kW
Power-on time:	100 %
Protection class:	IP 54
Pump type:	Diaphragm pump
High-Flow delivery rate:	approx. 8 l/min.
Low-Flow delivery rate:	approx. 4.5 l/min.
Max. conveying pressure:	5.0 bar
Wide-range battery charger:	100 V-240 V, 50/60 Hz, 60 W
Battery:	12 V VRLA, 36 Ah
Charging time:	approx. 6 h at maximum permissible discharge
Battery life:	approx. 25 dispensations of 10 liters each
Dispensing hose:	DN 19
Dirt trap:	630 µm
Medium temperature:	+ 5°C to + 30°C
Ambient temperature:	+ 5°C to + 40°C
Dimensions (W × D × H):	460 × 730 × 1,330 mm
Weight:	approx. 70 kg

Part No.:	Description
015 599 900	BlueTronic 100 MID

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Pumps

Flow meters

Pump systems

Fill level sensors

Workshop technology

Workshop accessories





GO WITH THE FLOW.

Mobile AdBlue® dispensing device

# BlueTronic 60

Mobile AdBlue® dispensation

Precise & documented

**NEW!**

The electrically operated AdBlue® dispensation device **BlueTronic 60** joins the family of mobile AdBlue® dispensation devices from TECALEMIT, providing what is certainly the most sophisticated solution for the mobile refueling of passenger cars and light utility vehicles in workshops.

The integrated **HDA blue eco** fuel terminal from TECALEMIT ensures an optimal overview of the dispensation amounts, documents, records, and provides the order data for further use, and allows individual user logins via a code.

With its integrated battery, the **BlueTronic 60** can be used autonomously and **off the grid** wherever it is needed.

**The benefits:**

- Flexibility thanks to integrated battery
- Integrated functionality of the HDA blue eco fuel terminal
- High-Flow and Low-Flow with 4.5 l/min. and 8 l/min. filling speeds
- Integrated 12 V battery charger





## BlueTronic 60

The **BlueTronic 60** has been conceived for mobile use in workshops for refilling passenger cars and light utility vehicles with AdBlue®. Dispensing is carried out using standards-compliant filler necks according to ISO 22241-5. The integrated reservoir tank has a capacity of approx. 60 liters, and can also be replaced with small 60 l drums where necessary.

### Scope of delivery:

- Robust cart with four castors
- Electrically powered diaphragm pump
- **HDA blue eco** electronic fuel terminal
- **USB**, optional interface **WiFi**
- 2 m dispensing hose with anti-kink spring
- Automatic dispensing nozzle for AdBlue®
- 60 ltr reservoir tank
- Battery with charge indicator
- Battery charger and connecting cables



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## BlueTronic 60

### Technical characteristics

Voltage:	12 V
Nominal current:	15 A
Output:	0.15 kW
Power-on time:	100 %
Protection class:	IP 54
Pump type:	Diaphragm pump
High-Flow delivery rate:	approx. 8 l/min.
Low-Flow delivery rate:	approx. 4.5 l/min.
Max. conveying pressure:	5.0 bar
Wide-range battery charger:	100 V-240 V, 50/60 Hz, 60 W
Battery:	12 V VRLA, 36 Ah
Charging time:	approx. 6 h at maximum permissible discharge
Battery life:	approx. 25 dispensations of 10 liters each
Dispensing hose:	DN 19
Dirt trap:	630 µm
Medium temperature:	+ 5°C to + 30°C
Ambient temperature:	+ 5°C to + 40°C
Dimensions (W × D × H):	460 × 730 × 1,330 mm
Weight:	approx. 70 kg

Part No.:	Description
015 599 360	BlueTronic 60

Pumps

Flow meters

Pump systems

Fill level sensors

Workshop technology

Workshop accessories

GO WITH THE FLOW.

Mobile AdBlue® dispensing device

# DrumMobil 200 W 85 H INOX

High-end performance  
for AdBlue® dispensations

**NEW!**

**DrumMobil W85 H INOX**, non-legally calibratable, has been conceived for mobile use to refill utility vehicles with AdBlue®.

The drum cart fits popular 200 liter drums and comes incl. a suction line with SEC coupling.

#### The benefits:

- High delivery rate
- Digital FMT 3 meter
- Optimal value for money
- Low-wear
- Quiet + robust
- Temperature cut-off
- Dry running protection
- SEC dry coupling incl. CDS suction pipe



Similar to image



### Scope of delivery:

- Sturdy cart with two guide castors and two rollers
- AdBlue® transfer pump  
HORNET W 85 H INOX
- FMT 3 Electronic flow meter
- 4 m dispensing hose, DN 19
- AdBlue® automatic dispensing nozzle A 2003-KS
- Suction line incl. SEC coupling
- 4.0 m connecting cable with "Schuko" plug



## DrumMobil 200 W 85 H INOX

### Technical characteristics

Motor:	AC motor
Pump type:	Hybrid pump
Max. nominal delivery volume*: 48 l/min.	
Medium temperature:	- 5°C to + 30°C
Ambient temperature:	5°C to +40°C
Max. suction head:	4.0 m
Max. nominal delivery pressure:	2.5 bar
Cable length:	4.0 m
Dispensing hose:	DN 19, length 4 m
Protection class:	IP 54
Nominal voltage:	230 V / 50 Hz
Power rating:	550 W
Rated current:	2.6 A
Rated RPM:	9,300 rotations/min
Power-on time:	100 %
Dimensions (W x H x D):	775 x 849 x 1,066 mm

\*Depending on viscosity and system

Part No.:	Description
015 599 500	DrumMobil 200 W 85 H INOX

AdBlue® is a registered trademark of the German Association of the Automotive Industry (VDA)



GO WITH THE FLOW.

Mobile AdBlue® dispensing device

# BlueMobil 200 eco:

## AdBlue® dispensations made quick and easy

**NEW!**

The pneumatically operated AdBlue® dispensation device **BlueMobil 200 eco** is the simple and cost-optimized solution for the mobile refueling of passenger cars and light utility vehicles in workshops.

The integrated TECALEMIT **FMT 3** flow meter ensures an optimal overview of the dispensation amount, and the special automatic nozzle for refilling passenger cars with AdBlue® ensures the greatest ease of use.

### The benefits:

- **Optimized recording of dispensation amounts thanks to integrated FMT 3 flow meter**
- **High-Flow and Low-Flow with 4.5 l/min. and 8 l/min. filling speeds**
- **Easy to operate using existing compressed air network**
- **Sturdy cart**
- **Two castors for maximum flexibility even in tight spaces**



Similar to image





### BlueMobil 200 eco

The BlueMobil 200 eco has been conceived for mobile use in workshops for refilling passenger cars and light utility vehicles with AdBlue®.

Dispensing is carried out using standards-compliant filler necks according to ISO 22241-5. Sturdy cart that fits original drums up to a capacity of 200 ltr.

#### Scope of delivery:

- Sturdy cart with two castors and two rollers
- Pneumatic membrane pump
- **FMT 3** electronic flow meter
- 2 m dispensing hose
- Automatic AdBlue® dispensing nozzle for refilling passenger cars
- Suction line incl. SEC coupling



### BlueMobil 200 eco

#### Technical characteristics

Pump type:	membrane pump
High-Flow delivery rate:	approx. 8 l/min.
Low-Flow delivery rate:	approx. 4.5 l/min.
Max. conveying pressure:	6.0 bar
Compressed air inlet:	min. 6 bar, max. 10 bar
Dispensing hose:	DN 19
Compressed air spigot:	DN 7.2
Dirt trap:	630 µm
Pressure port:	3/4"
Suction port:	3/4"
Medium temperature:	+ 5°C to + 30°C
Ambient temperature:	+ 5°C to + 40°C
Dimensions (W x D x H):	775 x 849 x 1,050 mm
Weight:	approx. 40 kg

\*Depending on viscosity and system

Part No.:	Description
015 599 600	BlueMobil 200 eco

AdBlue® is a registered trademark of the German Association of the Automotive Industry (VDA)

GO WITH THE FLOW.

Mobile AdBlue® dispensing device

# BlueMobil 200 basic

AdBlue® dispensations  
made quick and easy

**NEW!**

The pneumatically operated AdBlue® dispensation device **BlueMobil 200 basic** is the simple and cost-optimized solution for the mobile refueling of passenger cars and light utility vehicles in workshops.

The integrated TECALEMIT **FMT 3** flow meter ensures an optimal overview of the dispensation amount, and the special automatic nozzle for refilling passenger cars with AdBlue® ensures the greatest ease of use.

#### The benefits:

- **Optimized recording of dispensation amounts thanks to integrated FMT 3 flow meter**
- **Delivery rate approx. 8 l/min.**
- **Easy to operate using existing compressed air network**
- **Sturdy cart**
- **Two castors for maximum flexibility even in tight spaces**



Similar to image



### BlueMobil 200 basic

The BlueMobil 200 basic has been conceived for mobile use in workshops for refilling passenger cars and light utility vehicles with AdBlue®.

Dispensing is carried out using standards-compliant filler necks according to ISO 22241-5. Sturdy cart that fits original drums up to a capacity of 200 ltr.

#### Scope of delivery:

- Sturdy cart with two castors and two rollers
- Pneumatic membrane pump
- **FMT 3** electronic flow meter
- 2 m dispensing hose
- Automatic AdBlue® dispensing nozzle A 2003 KS PKW
- Suction line incl. SEC coupling



### BlueMobil 200 basic

#### Technical characteristics

Pump type:	membrane pump
Delivery rate:	approx. 8 l/min.
Note:	Be sure to verify the compatibility of your vehicle with regard to the delivery rate
Max. conveying pressure:	6.0 bar
Compressed air inlet:	min. 6 bar, max. 10 bar
Dispensing hose:	DN 19
Compressed air spigot:	DN 7.2
Dirt trap:	630 µm
Pressure port:	3/4"
Suction port:	3/4"
Medium temperature:	+ 5°C to + 30°C
Ambient temperature:	+ 5°C to + 40°C
Dimensions (W × D × H):	775 × 849 × 1,050 mm
Weight:	approx. 40 kg

\*Depending on viscosity and system

Part No.:	Description
015 599 669	BlueMobil 200 basic



GO WITH THE FLOW.

Mobile AdBlue® dispensing device

# BlueMobil 200

AdBlue® dispensations  
made quick and easy

**NEW!**

The **BlueMobil 200** has been conceived for mobile use in workshops for refilling passenger cars and light utility vehicles with AdBlue®.

The integrated **TECALEMIT FMT 3** flow meter ensures an optimal overview. Dispensing is carried out using standards-compliant filler necks according to ISO 22241-5. The BlueMobil 200 has a sturdy cart that fits drums up to a capacity of 220 ltr.

#### The benefits:

- **Optimized recording of dispensation amounts thanks to integrated FMT 3 flow meter**
- **High-Flow and Low-Flow with 4.5 l/min. and 8 l/min. filling speeds**
- **Off-grid dispensations thanks to integrated battery with charge indicator**
- **Integrated battery charger**
- **Appealing design**
- **Sturdy cart**
- **Two castors ensure maximum flexibility even in tight spaces**



Similar to image





### BlueMobil 200

The BlueMobil 200 has been conceived for mobile use in workshops for refilling passenger cars and light utility vehicles with AdBlue®.

#### Scope of delivery:

- Sturdy cart with two castors and two rollers
- Electrically powered diaphragm pump
- **FMT 3 electronic flow meter**
- 2 m dispensing hose
- Automatic AdBlue® dispensing nozzle for refilling passenger cars
- Suction line incl. SEC coupling
- Battery with charge indicator
- Battery charger and connecting cables



### BlueMobil 200

#### Technical characteristics

Pump type:	membrane pump
High-Flow delivery rate:	approx. 8 l/min.
Low-Flow delivery rate:	approx. 4.5 l/min.
Max. conveying pressure:	5.0 bar
Voltage:	15 A
Output:	0.15 kW
Power-on time:	100 %
Protection class:	IP 54
Wide-range battery charger:	100 V-240 V, 50/60 Hz, 60 W
Battery:	12 V VRLA, 36 Ah
Charging time:	approx. 6 h at maximum permissible discharge
Battery life:	approx. 25 dispensations of 10 liters each
Compressed air inlet:	min. 6 bar, max. 10 bar
Dispensing hose:	DN 19
Dirt trap:	630 µm
Medium temperature:	+ 5°C to + 30°C
Ambient temperature:	+ 5°C to + 40°C
Dimensions (W × D × H):	460 × 730 × 1,330 mm
Weight:	approx. 70 kg

\*Depending on viscosity and system

Part No.:	Description
015 599 700	BlueMobil 200

Electric

# Extraction device

for waste oil disposal, stationary



## Electric extraction device, stationary

Electrically driven gear pump for the extraction of used lubricant oils for non-flammable liquids via suction from motors and gears.

For engine oil, gear oil, hydraulic oil, and radiator antifreeze (concentrate).

### Product features

- Sieve filter 300 µ
- Negative pressure-controlled automatic cut-off with configured overrun time
- Negative pressure indicator
- Non-return valve
- Separate start button
- Installed on mounting console

### Technical characteristics

Delivery rate: approx. 22 l/min  
 Max. conveying pressure: 5 bar  
 Viscosity range: max. 2,000 mPa·s  
 Pressure port: IG 3/4"  
 Suction port: IG 3/4"  
 Drive output: 0.55 kW  
 Supply voltage: 400 / 50 V / Hz  
 Protection class: IP 54  
 Dimensions (W x D x H):  
 approx. 380 x 645 x 210 mm  
 Weight: 22 kg

Part No.:	Description
013 873 013	Electric extraction device, stationary, without accessories

Electric

# Extraction device

for waste oil disposal, portable



## Electric extraction device, portable

Electrically driven internal gear pump for the mobile extraction of used lubricants via suction.

For engine oil, gear oil, hydraulic oil, and radiator antifreeze (concentrate).

### Technical characteristics

Delivery rate: approx. 10 l/min  
 Max. conveying pressure: 10 bar  
 Viscosity range: max. 2,000 mPa·s  
 Pressure port: G 3/4"  
 Suction port: G 3/4"  
 Drive output: 0.55 kW  
 Supply voltage: 230 / 50 V/Hz  
 Protection class: IP 44  
 Dimensions (W x D x H):  
 Approx. 225 x 330 x 340 mm  
 Weight: 20 kg

### Product features

- With motor protection and on/off switch
- 6 m connecting cable with "Schuko" plug
- 1.6 m discharge hose with shut-off valve
- Suction connection with dirt trap 630 µ and negative pressure indicator
- Mounted on console with carrying handle

Part No.:	Description
013 862 012	Electric extraction device, portable, without accessories

## Cover

Part No.:	Description
027 028 400	Cover for electric extraction device



## Probe holder

For wall mounting

Part No.:	Description
027 095 102	Probe holder



## Flex pipe

For connection to customer piping.  
Connections: G 3/4" IG - R 3/4" AG

Part No.:	Description
026 090 511	Flex pipe DN 20 x 500 mm long



## Extraction fitting

With ball valve and probe coupling 1/2"

Part No.:	Description
027 270 011	Extraction fitting, compl.



## Extraction fitting, Mercedes Benz

Consists of handle with non-return valve

Part No.:	Description
027 270 501	Extraction fitting, Mercedes Benz 1/2"



## Adapter

For oil drain valve starting from M 24 x 1.5

Part No.:	Description
027 028 301	Adapter



## Combined MB/VAG adapter

Part No.:	Description
027 028 011	Combined MB/VAG adapter



## Wall hose holder

Cast aluminum

Part No.:	Description
043 332 351	Wall hose holder



## Drip pan, single piece

With drainage screw

Part No.:	Description
043 561 011	Drip pan, single piece



## Suction and dispensing hose

Part No.:	Description
	Suction and dispensing hose
029 060 412	DN 16, 1.60 m long G 1/2" AG
029 060 422	DN 16, 2.25 m long G 1/2" AG
029 060 432	DN 16, 3.15 m long G 1/2" AG
029 060 442	DN 16, 4.50 m long G 1/2" AG
029 060 462	DN 16, 6.30 m long G 1/2" AG



## Suction probe

Part No.:	Description
	Suction probe
027 027 011	5.0 mm, 645 mm long, rigid, white
027 027 021	6.0 mm, 645 mm long, rigid, yellow
027 027 051	5.4 mm, 645 mm long, flexible
027 027 061	5.4 mm, 1,200 mm long, flexible
027 027 072	8.0 mm, 700 mm long, flexible
027 027 081	8.0 mm, 1,200 mm long, flexible
027 027 141	5.4 mm, 950 mm long, flexible, for MCC Smart
027 027 181	10.0 mm, 680 mm long, flexible, for BMW
027 027 600	Special suction probe for Daimler
	8.2 mm, 1,000 mm long, flexible



## Adapter panel for portal column

Wall for extraction devices

Part No.:	Description
027 028 600	Adapter panel for portal column

## Universal hose reel

For fresh and used oil

Part No.:	Description
013 414 012	Universal hose reel, 10 m
013 454 012	Universal hose reel, 12 m
013 474 011	Universal hose reel, 15 m



Pneumatic

# Double membrane pump **D R O O**

For fresh oil and waste oil disposal

**Double membrane pump 40 l/min.** for the conveying of diesel, engine, gear, and hydraulic oils, radiator antifreeze concentrate, waste oil of known origin, and used radiator antifreeze.

## Product features

- With wall bracket
- Pressure reducer and ball valve for shutting off compressed air supply
- Filter regulator with manometer and dirt trap
- Compressed air connector with DN 7.2 plug

Part No.:	Description
015 433 015	Pneumatic double membrane pump 40 l/min.*
015 433 025	Electric double membrane pump 40 l/min.*, with vacuum control



## Technical characteristics

Art. No.: 015 433 015  
 Delivery rate: approx. 40 l/min.\*  
 Max. viscosity: 2,000 mm<sup>2</sup>/s  
 Max. contaminant particle size: 3 mm  
 Pressure port: IG 3/4"  
 Suction port: IG 1"  
 Protection class: IP 54  
 Max. negative pressure: -0.85 bar  
 Max. backpressure: 5 bar  
 Dimensions (W x D x H): 440 x 450 x 305 mm  
 Weight: 16 kg

\*Depending on viscosity and system



## Technical characteristics

Art. No.: 015 433 025  
 Delivery rate: approx. 40 l/min.\*  
 Max. viscosity: 2,000 mm<sup>2</sup>/s  
 Max. contaminant particle size: 3 mm  
 Pressure port: IG 3/4"  
 Suction port: IG 1"  
 Protection class: IP 54  
 Max. negative pressure: -0.85 bar  
 Max. back pressure: 5 bar  
 Voltage supply: 230 V/50 Hz  
 Dimensions (W x H x D): approx. 450 x 535 x 305 mm  
 Weight: 17 kg



Pneumatic

# Double membrane pump **DROO**

for fresh oil and waste oil disposal

## Double membrane pump 20 l/min.

For the conveying of diesel, engine, gear, and hydraulic oils, radiator antifreeze concentrate, waste oil of known origin, and used radiator antifreeze.

### Product features

- With wall bracket
- Pressure reducer and ball valve for shutting off compressed air supply
- Filter regulator with manometer and dirt trap
- Compressed air connector with DN 7.2 plug
- With motor contactor, time relay, and separate illuminated push-button switch

Part No.:	Description
015 433 215	Pneumatic double membrane pump 20 l/min.*
015 433 225	Electric double membrane pump 20 l/min.*, with vacuum control



#### Technical characteristics

Art. No.: 015 433 215  
 Delivery rate: approx. 20 l/min.\*  
 Viscosity range: max. 2,000 mPa·s  
 Max. contaminant particle size: 1.5 mm  
 Pressure port: IG 1/2"  
 Suction port: IG 1/2"  
 Protection class: IP 54  
 Max. negative pressure: -0.85 bar  
 Max. back pressure: 5 bar  
 Protection class: IP 54  
 Dimensions (W x D x H): approx. 375 x 360 x 305 mm  
 Weight: 11 kg

\*Depending on viscosity and system



#### Technical characteristics

Art. no.: 015 433 225  
 Delivery rate: approx. 20 l/min.\*  
 Viscosity range: max. 2,000 mPa·s  
 Max. contaminant particle size: 1.5 mm  
 Pressure port: IG 1/2"  
 Suction port: IG 1/2"  
 Protection class: IP 54  
 Max. negative pressure: -0.85 bar  
 Max. back pressure: 5 bar  
 Supply voltage: 230 V/50 Hz  
 Protection class: IP 54  
 Dimensions (W x D x H): approx. 450 x 400 x 305 mm  
 Weight: 12 kg

## Automatic pump switch-off

Part No.:	Description
020 202 881	Automatic pump switch-off



## Protective cover

For double membrane pump

Part No.:	Description
027 028 500	Protective cover



## Flex pipe

For connection to customer piping.  
Connections: G 3/4" IG - R 3/4" AG

Part No.:	Description
026 090 511	Flex pipe DN 20 x 500 mm long



## Extraction fitting

With ball valve and probe coupling 1/2"

Part No.:	Description
027 270 011	Extraction fitting, compl.



## Extraction fitting, Mercedes Benz

Consists of handle with non-return valve

Part No.:	Description
027 270 501	Extraction fitting, Mercedes Benz 1/2"



## Combined MB/VAG adapter

Part No.:	Description
027 028 011	Combined MB/VAG adapter



## Wall hose holder

Cast aluminum

Part No.:	Description
043 332 351	Wall hose holder



## Drip pan, single piece

With drainage screw

Part No.:	Description
043 561 011	Drip pan, single piece



## Filling adapter NAG 2

Part No.:	Description
027 270 201	Filling adapter NAG 2



## Suction and dispensing hose

Part No.:	Description
	Suction and dispensing hose
029 060 432	DN 16, 3.15 m long, G 1/2" AG
029 060 442	DN 16, 4.50 m long, G 1/2" AG
029 060 462	DN 16, 6.30 m long, G 1/2" AG



## Suction hose

With ball valve and quick coupling.

Part No.:	Description
029 056 541	Suction hose DN 32, 4.50 m long



## Suction pipe

Part No.:	Description
027 095 101	Suction pipe DN 28, 800 mm long



## Suction probe

Part No.:	Description
	Suction probe
027 027 011	5.0 mm, 645 mm long, rigid, white
027 027 061	5.4 mm, 1,200 mm long, flexible
027 027 600	Special suction probe for Daimler
	8.2 mm, 1,000 mm long, flexible



## Adapter panel

Part No.:	Description
027 028 600	Adapter panel



## Universal hose reel

For fresh and used oil

Part No.:	Description
013 414 012	Universal hose reel, 10 m
013 454 012	Universal hose reel, 12 m
013 474 011	Universal hose reel, 15 m



GO WITH THE FLOW.

Oil disposal for pits

# Permanent disposal system

## Flexible and reliable waste oil disposal

Permanent disposal system



TECALEMIT's permanent disposal system is particularly suited for narrow pits, and can be adapted to any length.

### The benefits

- Modular system based entirely on screws
- Compact pump element with integrated surge tank that can be positioned at any location
- Double telescopic collecting funnel with cover and splatter sieve
- Rubber seal keeps out contaminants
- Collection volume: 15 l per meter

[www.tecalemit.de](http://www.tecalemit.de)



**Workshop technology, oil disposal, and pit systems**

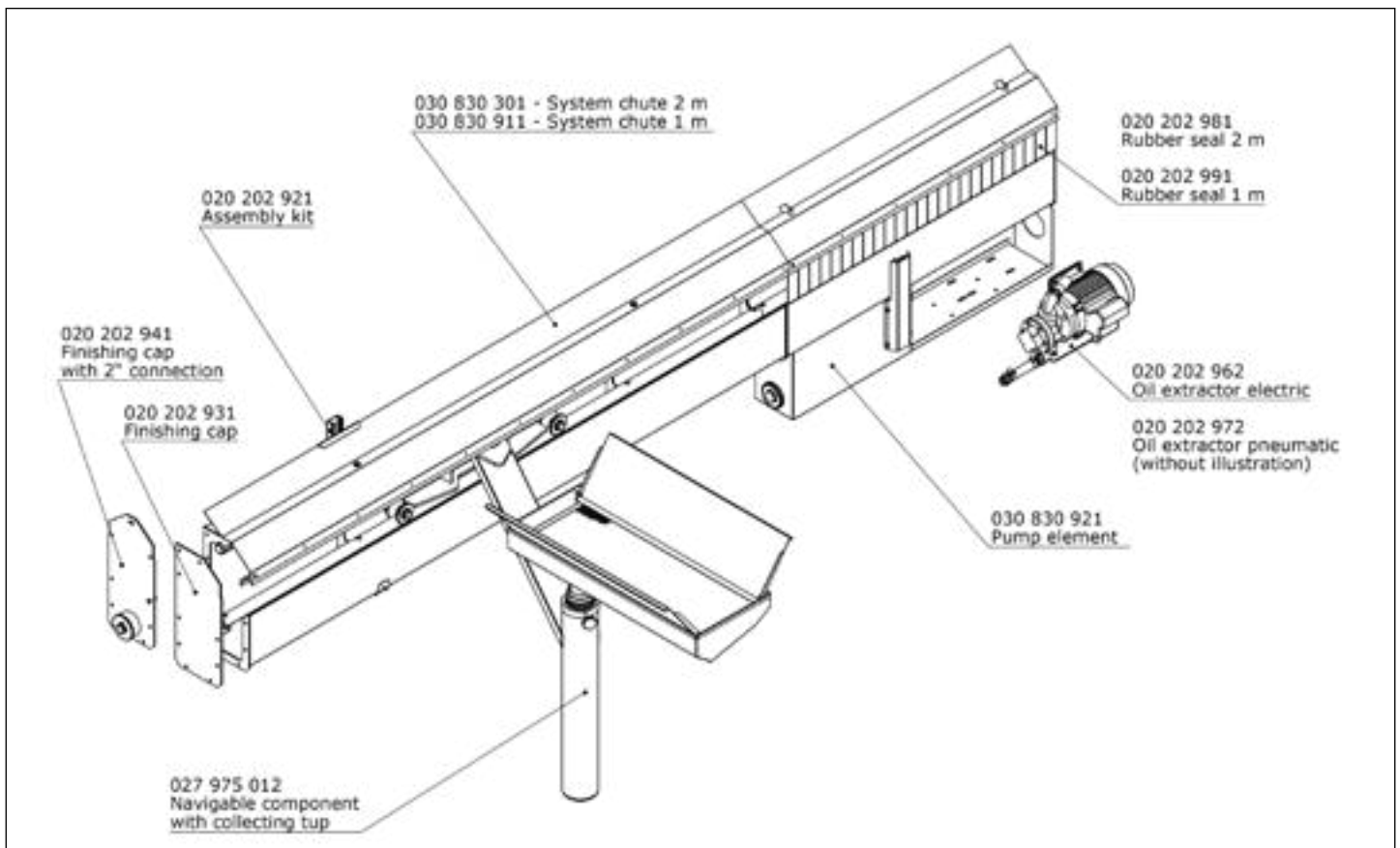
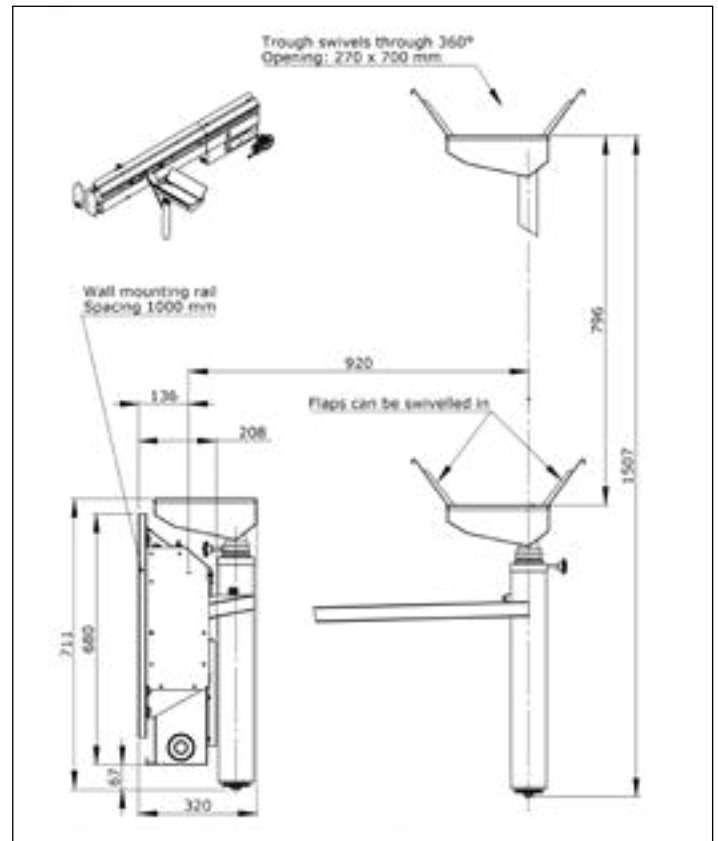
**Permanent disposal system**

The permanent disposal system has been conceived specially for long truck pits. Due to their compact size, the systems are ideal for an installation under the projection of the pit. An ingenious rail system integrated into the gutters ensures that the robust carriage can be moved about easily.

The extension arm with double telescopic collection pan, which pivots inwards to save space, is connected to the swivel joint of the carriage. The large, unobstructed cross-sections in the telescopic pipe and in the extension arm ensures that the waste oil is drained quickly. A movable 1 m pump element with surge tank and level control extracts the fluid from the gutter system and transfers it to a suitable tank system. In order to prevent contaminants entering the gutter system, a special rubber seal may be used, which is optional and can be retrofitted at any time.

**Technical characteristics:**

- Length: variable, in partial lengths of 1 m and 2 m
- Pivoting radius: 1,350 mm
- Surge tank: 13 liters
- Drainage volume: 15 liters per running meter of gutter system
- Max. discharge rate: approx. 16 l/min.
- Includes C-rails, brackets, and holders without dowels.





GO WITH THE FLOW.

## System gutter

1 m or 2 m element

Part No.:	Description
030 830 911	System gutter 1 m
030 830 301	System gutter 2 m



Without rubber cover, carriage

## Carriage

With height-adjustable collecting tray and telescopic pipe

Part No.:	Description
027 975 012	Carriage



## Pump element

With surge tank, without pump

Part No.:	Description
030 830 921	Pump element, pump not included



## Oil extractor kit

Electric, 400 V 50 Hz / pneumatic

Part No.:	Description
020 202 962	Oil extractor kit, electric
020 202 972	Oil extractor kit, pneumatic



Fig. Electric kit

## Assembly kit

Incl. C-rails, brackets, and holders without dowels, per running meter

Part No.:	Description
020 202 921	Assembly kit



## System gutter assembly kit

Incl. C-rails, brackets, and holders without dowels, per running meter

Part No.:	Description
020 202 921	System gutter assembly kit



## Connection cover plate

System component for permanent disposal system; for installation in truck inspection pits for waste oil disposal.

Part No.:	Description
020 202 931	Connection cover plate



## Connection cover plate

With 2" connector

Part No.:	Description
020 202 941	Connection cover plate



## Rubber seal

Incl. holders, per 2 m

Part No.:	Description
020 202 981	Rubber seal



## Rubber seal

Incl. Holders, per 1 m

Part No.:	Description
020 202 991	Rubber seal



## Waste oil collection tub, 60 l

With sieve

Part No.:	Description
027 961 062	Waste oil collection tub, 60 l



GO WITH THE FLOW.



Pumps

Flow meters

Pump systems

Fill level sensors

Workshop technology

Workshop accessories



Oil collectors for workshops and industrial applications

# MasterDrainer 80

## Quieter – faster – higher performance!

The TECALEMIT MasterDrainer oil collector sets new standards when it comes to weight, user-friendliness and handling.

The mobile waste oil extraction and collection devices impress with their modern design and simple operation. The comprehensive set of accessories and generously-sized, infinitely variable height-adjustable collection tub make this product an indispensable tool for your workplace.

### The benefits

- Easy to operate
- Low weight
- Comprehensive set of accessories
- Device is pre-assembled upon delivery

Try the TECALEMIT MasterDrainer out for yourself!



#### Technical characteristics: MasterDrainer 80 Classic / MasterDrainer 80 Kombi

Tank volume	80 l gross / 70 l net
Collecting tub diameter	Ø 413 mm
Collecting tub capacity	14 ltr
Noise emissions	approx. 75 dBa
Vacuum	max. -0.9 bar ( <b>MasterDrainer 80 Kombi</b> )
Compressed air supply	Plug DN 7.2
Max. working height	1,900 mm
Max. inlet pressure	7 bar
Discharge and/or extraction hose	Discharge hose, 1.8 m
	Combined discharge and extraction hose, 1.8 m ( <b>MasterDrainer 80 Kombi</b> )
Fill level indicator	Yes





## MasterDrainer 80 Classic oil collector



Professional oil collection unit with infinitely variable height-adjustable collection tub and pressure drainage.

### Scope of delivery

- 80 l collection tub with chassis on four castors
- Metal collection tub with drip sieve
- 1.8 m drainage hose with hand grip and adapter
- Storage trays on receptacle
- Fill level indicator

Part No.:	Description
013 854 380	MasterDrainer 80 Classic oil collector



## MasterDrainer 80 Combi oil collector



Professional oil collection and **extraction unit** with infinitely variable height-adjustable collection tub, **probe holder** with **three suction probes** and pressure drainage.

### Scope of delivery same as 013 854 380, but in addition:

- 1.8 m drainage/extraction hose with hand grip and adapter
- Three suction probes made of polyamide pipe:
  - Length 940 mm, flexible, Ø 5.4 mm
  - Length 950 mm, flexible, Ø 8.0 mm
  - Length 1,200 mm, flexible, Ø 5.4 mm

Part No.:	Description
013 854 880	MasterDrainer 80 Combi oil collector



## Additional splatter guard

Splash guard for mounting on collection tub  
Provides additional protection against spills and stains at the working area.

Part No.:	Description
027 027 700	Additional splatter guard, Ø 600 mm



## Connection coupling

Connection coupling with pin for coupling drainage hose to the special filling connector when draining under pressure into a pipeline or directly into waste oil tank.

Part No.:	Description
043 711 283	Connection coupling



## Suction probes

High-quality flexible suction probes made of polyamide.

\* Special suction probe for Daimler

Part No.:	Length	Diameter
027 027 610	940 mm	5.4 mm
027 027 620	950 mm	8.0 mm
027 027 630	1,200 mm	5.4 mm



027 027 600*	1,000 mm	8.2 mm
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## Special connector 2 1/2" IG

Special connector with quick coupling. For mounting on waste oil collection tanks with quick coupling system.

Part No.:	Description
043 549 453	Special connector 2 1/2" IG



## Quick coupling only 3/4" AG

Quick coupling for installation in a waste oil line

Part No.:	Description
027 184 402	Quick coupling only 3/4" AG



## Universal transport cart DrumMobil 200 1.1

Drum cart for drums up to 220 l, incl. adjustable fastening strap.  
Two castors and two rollers provide maximum maneuverability.

Part No.:	Description
027 952 600	Universal drum transport cart DrumMobil 200 1.1



## Tecalemit DrumMobil 60

Hand drum cart for original drums up to 60 ltr, 2 full-rubber wheels, diameter 160 mm, 1 castor, with centering pin and fastening chain.

Part No.:	Description
027 952 551	Tecalemit DrumMobil 60, 1 castor, 2 rollers
027 952 561	DrumMobil 60 II transport cart, 2 rollers



## Tecalemit DrumBoy

For the transport of drums up to 200 l.

- For the effortless setting up and removal of full 200 l drums on collection trays by a single person
- Chassis: 2 travel wheels Ø 250 mm, mounted on roller bearings
- Container size: 50 to 200 l, with rim

Part No.:	Description
027 952 600	Universal drum transport cart DrumMobil 200 1.1



## Tecalemit collecting tub F2, enameled

Type-approved, with hot-dip galvanized grating, for up to two 200 l drums.

Collection tub with grating and feet, galvanized. Also required outside water protection areas for the storage and setting up of single-walled containers, drums, and canisters with liquids that are hazardous to water in compliance with the Water Resources Act (WHG). For information on the permissible size of drums and other requirements regarding the use of the collection tub, please refer to the relevant VAWs and StawaR (steel tub guidelines of the DIBt) regulations.

### Technical characteristics

- High-quality enameling in RAL 7015
- With hot-dip galvanized grating
- Type-approved
- Width x height x depth: 1,250 x 820 x 340 mm
- Weight: 73 kg
- Load capacity: 500 kg

Part No.:	Description
030 910 071	Tecalemit collecting tub F2, enameled



GO WITH THE FLOW.





## Fuel suction units

# TankQuick 100 F2/eco

## Affordable Fuel extraction

These units are used for the suction removal of various fuels such as diesel, normal and super gasoline, and E85 (ethanol fuel blend). There are many possibilities for use: Suction removal of fluids from vehicle tanks, use in a vehicle workshop, used car dealerships, for the drainage of vehicles, and at gas stations when the wrong fuel has been filled. The units satisfy the high safety requirements with regard to explosion hazards. The TankQuick units are outfitted with a pneumatic suction removal and retanking unit with a practical single hose and vapor recovery system. This technology has been included in the manufacturer lists at e.g. BMW AG and Volkswagen AG.

**The benefits**

- GS-approved
- High service-friendliness
- High cost-effectiveness

F

Technical characteristics:	TankQuick 100 F2 / TankQuick eco
<b>Tank volume</b>	90 l / 110 l usable capacity
<b>ATEX rating</b>	II 2G Ex h IIA T3 Gb x
<b>Delivery rate</b>	7.5 l/min.
<b>Suction hose</b>	DN 9 x 2.5 m / 15 x 9 mm
<b>Compressed air supply</b>	min. 7 bar, max. 10 bar
<b>Medium temperature</b>	+5° C - +40° C
<b>Fill level indicator</b>	Yes
<b>Dimensions (W x D x H):</b>	610 x 600 x 1,150 mm / 680 x 483 x 1,096 mm
<b>Weight</b>	approx. 56 kg / approx. 35 kg





## TankQuick 100 F2 fuel extraction device



Professional fuel extraction device with 2-wheeled chassis

- For diesel, gasoline, E85 (ethanol fuel blend)
- ATEX rating: II 2G Ex h IIA T3 Gb x
- Electrically conductive hose and transportation system
- Potential equalization
- Vapor recovery system
- Fill level indicator
- Chassis with 2 wheels
- GS symbol

Part No.:	Description
013 895 201	TankQuick 100 F2 fuel extraction device



Pumps

Flow meters

## TankQuick eco fuel extraction device



Professional fuel extraction device with 4-wheeled chassis and parking brake

- For gasoline, diesel, E85 (ethanol fuel blend)
- ATEX rating II 2G Ex h IIA T3 Gb x
- Electrically conductive hose and transportation system
- Potential equalization
- Vapor recovery system
- Mechanical fill level indicator
- Chassis with 4 wheels and parking brake
- GS symbol

Part No.:	Description
013 896 200	TankQuick eco fuel extraction device



Pump systems

Fill level sensors

## Replacement drum

For TankQuick eco, with fill level indicator

Part No.:	Description
013 896 300	Replacement drum for TankQuick eco



Workshop technology

## Adapter

For TankQuick (for Mercedes C Class)

Part No.:	Description
027 028 021	Adapter for TankQuick



Workshop accessories

## Adapter set

For TankQuick

Part No.:	Description
020 202 011	Adapter set for TankQuick



Pneumatic piston pump for lubricants

# HP lubricant pump

## Easy lubrication thanks to grease pressure regulator

These pneumatically driven high-pressure lubricant pumps work with all common commercial greases used in vehicle and machine maintenance. All common grease nipple types can be lubricated with the use of various nozzles.

Lubricant is applied directly to the lubricating point out of the original container without needing to be filled into another receptacle. When the lubricating gun (available as an accessory) is activated, full pressure is achieved immediately with just a few strokes. The special grease pressure regulator automatically limits the grease pressure to max. 400 bar. A reducing valve for pneumatic pressure is not required.

### The benefits

- **Max. grease consistency NLGI Class 3**
- **High transmission ratio**
- **Integrated grease pressure regulator**



### Technical characteristics

Suction pipe:	DN 32
Riser pipe diameter:	32 mm
Transmission ratio:	1:70
Grease pressure:	max. 400 bar
Air pressure:	4-7 bar
NLGI Class:	3

**Part No.: 013 301 002**  
**HP lubricant pump**  
**up to 25 KG drum**

- Total length 740 mm
- Riser pipe length 520 mm
- Weight 6.5 kg

**Part No.: 013 340 013**  
**HP lubricant pump**  
**up to 55 KG drum**

- Total length 940 mm
- Riser pipe length 720 mm
- Weight 7 kg

**Part No.: 013 341 013**  
**HP lubricant pump**  
**up to 200 KG drum**

- Total length 1,200 mm
- Riser pipe length 895 mm
- Weight 9 kg



Fig.: HP lubricant pump with suction pipe DN 32 (520 mm)

## High pressure gun PN 400

With sieve

Part No.:	Description
027 234 411	High pressure gun PN 400 with sieve



## High pressure hose, 2.25 m

M 10 x 1 a on both ends

Part No.:	Description
026 015 565	High pressure hose, 2.25 m
026 015 585	High pressure hose, 3.15 m
026 015 625	High pressure hose, 6.30 m



## Angle swivel joint S-PN 400

M 16 x 1.5 a / M 10 x 1 i

Part No.:	Description
027 090 121	Angle swivel joint S-PN 400



## Axial swivel joint

M 16 x 1.5 a / M 10 x 1 i

Part No.:	Description
027 090 521	Axial swivel joint



## Hydraulic grip coupling eco

Replacement 4-jawed nozzle for all grease guns. Its robust design allows it to be used for extended periods and enables work to be carried out with great ease.

Part No.:	Description
027 032 601	Hydraulic grip coupling eco



## Intermediate extreme pressure hose

315 mm long

Part No.:	Description
029 080 806	Intermediate extreme pressure hose



## High pressure grease pump

# DrumMobil

Mobile, pneumatically-driven grease press for dispensation out of original drums.

When the lubricating gun is activated, full pressure is achieved immediately with only a few strokes.

The standard grease pressure regulator limits the dispensation pressure. The required minimum pressure at which the pumps continue to work properly is 2-3 bar. Common commercial greases and oils up to NLGI Class 3, which are used in vehicle and machine maintenance, can be used. All common grease nipple types can be lubricated with the use of various nozzles.

### The benefits

- Drum cart or sturdy carriage
- Quiet operation
- Low-wear pump



### Technical characteristics

- HP lubricant pump 20 kg, 55 kg, 200 kg
- Dust protection cover (drum cart)/centering cover (universal transport cart)
- HP hose with axial swivel joint on one end and on the other end,
- Angle swivel joint and HP grease gun PN 400
- Hydraulic grip coupling
- For greases up to NLGI 3
- **Drum not included**

#### Part No.: 013 301 201 DrumMobil 60-G-20 S

- Drum cart
- Max. drum size 20 kg
- Dimensions (W x D x H)  
520 x 485 x 1,028 mm
- Weight 25 kg

#### Part No.: 013 350 501 DrumMobil 60-G-55 S

- Drum cart
- Max. drum size 55 kg
- Dimensions (W x D x H)  
520 x 485 x 1,028 mm
- Weight 21 kg

#### Part No.: 013 353 021 DrumMobil 200-G-200 S

- Universal transport cart
- Max. drum size 200 kg
- Dimensions (W x D x H)  
1,040 x 830 x 1,230 mm
- Weight 54 kg



013 301 201

013 353 021



## Scraping lid

For DrumMobil 60, drum cart

Part No.:	Description	Inner drum diameter
027 922 261	Scraping lid	250-270 mm
027 922 271	Scraping lid	260-290 mm
027 922 281	Scraping lid	275-295 mm
027 922 331	Scraping lid	300-350 mm
027 922 353	Scraping lid	340-380 mm
027 922 363	Scraping lid	353-390 mm
027 922 383	Scraping lid	368-404 mm
027 922 393	Scraping lid	378-414 mm
027 922 403	Scraping lid	383-424 mm
027 924 122	Scraping lid	560-574 mm



## Centering cover

For DrumMobil 200, universal transport cart, 50 kg/200 kg drums

Part No.:	Description
053 557 102	Centring cover ø 360-405 mm
053 557 202	Centring cover ø 580-620 mm



## Universal transport cart DrumMobil 200

For original drums up to a capacity of 200 ltr

Part No.:	Description
027 952 503	Universal transport cart DrumMobil 200



## DrumMobil 60 II transport cart

For original drums up to 60 ltr

Part No.:	Description
027 952 561	DrumMobil 60 II transport cart



Stable, robust, and indestructible

# Manual lever-operated grease guns



011 681 031



011 681 021



011 681 041

Stable and robust industrial grease gun with 150 mm nozzle tube or 300 mm high pressure hose and hydraulic gripper coupling. Supplied in visually appealing retail box.



## Technical characteristics:

Pressure capacity: max. 400 bar  
 Length without connector: 390 mm  
 Usable content: 500 m<sup>3</sup> (or 400 g cartridge)  
 Delivery rate/stroke: up to 2 cm<sup>2</sup>  
 Connecting thread: M 10 x 1 IG

Part No.:	Description	Weight
011 681 021	Lever-type grease gun eco, 150 mm nozzle tube	1.38 kg
011 681 031	Lever-type grease gun eco, 300 mm high pressure hose	1.39 kg
011 681 041	One-handed lever-type grease gun eco, 150 mm nozzle tube	1.21 kg

## High-pressure two-handed grease gun eco

Stable and robust industrial grease gun with 300 mm high pressure hose and hydraulic gripper coupling for lubrication procedures conducted on high-quality machines with long lubrication lines. The two-handed grease gun is characterized by its extreme ease of operation and reliable lubrication. The ergonomic handles, the low weight, as well as the nozzle holder ensure precision and cleanliness when it is used. Supplied in visually appealing retail box.

### Technical characteristics

Pressure capacity:	max. 400 bar
Length without connector:	320 mm
Usable content:	500 g screw-on cartridges
Delivery rate/stroke:	up to 2 cm <sup>2</sup>
Connecting thread:	M 10 x 1 IG

Part No.:	Description	Weight
011 681 051	Lever-operated grease gun eco, 300 mm high pressure hose	1.08 kg



## One-handed pneumatic grease gun

Stable and robust industrial grease gun with 170 mm nozzle tube and hydraulic gripper coupling. The easy dosage and ergonomic operation make this product one of the top sellers among its kind.

### Technical characteristics

Pressure capacity:	max. 400 bar
Length without connector:	410 mm
Usable content:	500 m <sup>3</sup> (or 400 g cartridge)
Delivery rate/stroke:	up to 2 cm <sup>2</sup>
Connecting thread:	R 1/4" IG
Noise level:	79 dBa
Vibration:	3.5 m/s <sup>2</sup>

Part No.:	Description	Weight
APT813	Single-handed pneumatic grease gun, with 170 mm nozzle tube	1.5 kg



## Hydraulic grip coupling eco

Replacement 4-jawed nozzle for all grease guns. Its robust design allows it to be used for extended periods and enables work to be carried out with great ease.

Part No.:	Description
027 032 601	Hydraulic grip coupling eco



## Nozzle tube

Bent nozzle tube for TECALEMIT high-pressure manual lever-operated grease guns, complete.

Part No.:	Description
027 020 502	Nozzle tube, bent



## Intermediate extreme pressure hose, 300 mm

Flexible high-pressure hose for TECALEMIT high-pressure manual lever-operated grease gun, complete.

Part No.:	Description
029 080 807	Intermediate extreme pressure hose, 300 mm



For your workplace

# Workshop accessories



Our products are quality products that fulfill the highest standards and are free of hazardous materials such as PAHs or phthalates. Naturally, the materials used are resistant to fuels and oils.

TECALEMIT plastic funnels are food-safe, and can even be used for household purposes.

- **Plastic filling funnel**
- **Special funnels**
- **Measuring jugs/buckets**
- **Pump oilers/atomizers**
- **Cartridge guns**
- **Grease nipples**



## Plastic filling/bottle funnels and sets

"Made in Germany" – Fulfills the highest standards



**High splash guard**  
For maximum safety

**Effective dimensions (inner diameter)**  
Always provided so that you  
compare the correct values

**Ergonomic handles**  
For increased comfort  
when working

**Polyethylene**  
Without hazardous components such as  
phthalates or PAHs, food-safe

Part No.:	Description	Inner/Outer Ø - Height
016 010 003	Plastic funnel 50 mm	50 x 55 - 50 mm
016 010 004	Plastic funnel 70 mm	70 x 75 - 85 mm
016 010 005	Plastic funnel 90 mm	90 x 95 - 100 mm
016 010 006	Plastic funnel 115 mm	115 x 120 - 145 mm
016 010 008	Plastic funnel 150 mm	150 x 155 - 175 mm



016 010 007	Plastic funnel 115 mm	115 x 122 - 160 mm
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016 010 009	Plastic funnel 195 mm • Includes sieve for filtering out large dirt particles • Extra high splash guard	195 x 205 - 245 mm
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016 010 010	Plastic funnel 235 mm • Includes sieve for filtering out large dirt particles • Extra high splash guard	235 x 240 - 245 mm
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016 010 011	Plastic funnel 160 mm, incl. handle • With ergonomic handle • Includes sieve for filtering out large dirt particles • Extra high splash guard	160 x 165 - 195 mm
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## Plastic filling/bottle funnels and sets

Part No.:	Description	Inner/Outer Ø - Height	
<b>016 010 012</b>	<b>Plastic funnel 160 mm, incl. angled outlet and handle</b> <ul style="list-style-type: none"> <li>• With ergonomic handle</li> <li>• Includes sieve for filtering out large dirt particles</li> <li>• With angled outlet</li> <li>• Extra high splash guard</li> </ul>	160 x 165 - 320 mm	
<b>016 010 013</b>	<b>Plastic funnel 160 mm, incl. flex outlet pipe and handle</b> <ul style="list-style-type: none"> <li>• With ergonomic handle</li> <li>• Includes sieve for filtering out large dirt particles</li> <li>• With flex outlet</li> <li>• Extra high splash guard</li> </ul>	160 x 165 - 455 mm	
<b>016 010 100</b>	<b>Plastic funnel set, 3-piece</b> <ul style="list-style-type: none"> <li>• Includes three funnels: 70, 90 and 115 mm</li> <li>• Conveniently packaged as a set</li> </ul>		
<b>016 010 101</b>	<b>Plastic funnel set, 4-piece</b> <ul style="list-style-type: none"> <li>• Includes four funnels: 50, 70, 90 and 115 mm</li> <li>• Conveniently packaged as a set</li> </ul>		
<b>016 010 102</b>	<b>Plastic funnel set, 6-piece</b> <ul style="list-style-type: none"> <li>• Includes six funnels: 50, 70, 90, 115, 150 and 160 mm</li> <li>• Conveniently packaged as a set</li> </ul>		
<b>016 020 000</b>	<b>PE outlet pipe, flexible</b> <ul style="list-style-type: none"> <li>• Flexible outlet pipe with screw thread (replacement part)</li> </ul>		
<b>016 020 002</b>	<b>Brass sieve 58 mm Ø</b> <ul style="list-style-type: none"> <li>• Robust brass sieve for filtering out large dirt particles</li> <li>• Suitable for funnels that are 160 mm or more in size</li> <li>• Diameter: 58 mm</li> </ul>		

## Special funnels

Made of high-quality materials – for daily use



**Maximum splash protection**  
thanks to high overflow lip

**Ergonomic handle**  
for increased ease of use

**Brass sieve**  
for filtering out waste particles

Part No.:	Description	External Ø
016 010 000	<b>Metal funnel 160 mm, 1.3 l, rigid outlet</b> • High-quality metal funnel with sieve • The handle offers increased ease of use	160 mm
016 010 001	<b>Metal funnel 200 mm, 3.2 l, rigid outlet</b> • High-quality metal funnel with sieve • The handle offers increased ease of use	200 mm
016 010 002	<b>Metal funnel 200 mm, 3.2 l, rigid/flexible outlet</b> • High-quality metal funnel with sieve • The handle offers increased ease of use, and flex outlet pipe allows for maximum flexibility	200 mm
016 011 000	<b>Plastic funnel 240 mm, 3.0 l, flexible outlet</b> • High-quality plastic funnel made of polypropylene with dust protection flap and 2" drum screw thread for directly attaching onto a commercially available 60 or 200 l drum	240 mm



## Measuring cups/buckets

Maximum diversity for the greatest flexibility



- **High stability**  
thanks to sturdy design
- **Clear, easily legible scale**  
and/or markings
- **Made of high-quality plastics**  
or tin

Part No.:	Description	Capacity
	Plastic measuring jug for liquids, graduated matte-transparent polypropylene, with handle and spout, graduation in ml	
016 000 001	PP measuring jug, transparent with scale	1.0 l
016 000 002	PP measuring jug, transparent with scale	2.0 l
016 000 003	PP measuring jug, transparent with scale	3.0 l
016 000 005	PP measuring jug, transparent with scale	5.0 l
	High-quality polypropylene measuring jug, stable, with closable dust protection lid and flexible spout (screw-on). The liquid is optimally protected against dust and contamination. The closable outlet allows for maximum safety and reliability.	
016 000 101	PE measuring jug, with lid and scale	1.0 l
016 000 102	PE measuring jug, with lid and scale	2.0 l
016 000 103	PE measuring jug, with lid and scale	3.0 l
016 000 105	PE measuring jug, with lid and scale	5.0 l
	Legally calibratable lubricant measuring jug made of high-quality tin with funnel-shaped outlet. The robust design ensures maximum stability. Only to be used for lubricants.	
016 000 201	Measuring jug, legally calibratable, tin	1.0 l
016 000 202	Measuring jug, legally calibratable, tin	2.0 l
	Legally calibratable lubricant measuring bucket made of high-quality tin with funnel-shaped outlet. The robust design ensures maximum stability. Only to be used for lubricants.	
016 000 205	Measuring bucket, legally calibratable, tin	5.0 l
016 000 210	Measuring bucket, legally calibratable, tin	10.0 l





**Pump oilers/atomizers**

For your daily lubricating needs



- Maximum ease of use
- Simple operation
- Available in high-quality plastic or metal versions
- Various outlets for increased flexibility

Part No.:	Description	Capacity	
	High-quality metal pump oiler with fixed and flexible outlets and metal pump mechanism. Impact-resistant, enameled sheet steel container. The various outlet pipes ensure a high degree of flexibility.		
016 001 203	Industrial oiler, metal, with spray and flex pipe	300 ml	
016 001 205	Industrial oiler, metal, with spray and flex pipe	400 ml	
	Plastic oiler made of transparent polyethylene with high-quality brass injection pipe and nozzle seal.		
016 001 302	Plastic oiler, with brass spray pipe	250 ml	
016 001 305	Plastic oiler, with brass spray pipe	500 ml	
	Industrial atomizer made of polyethylene, suitable for various media. The atomizer is equipped with an adjustable and closable plastic nozzle.		
016 001 407	Industrial atomizer	750 ml	
	Pump atomizer made of polyethylene incl. pressure relief valve, suitable for various media. The atomizer is equipped with an adjustable and closable brass nozzle.		
016 001 420	Pump atomizer	2,000 ml	

Pumps

Flow meters

Pump systems

Fill level sensors

Workshop technology

Workshop accessories

## Cartridge guns

### Cartridge guns

For working with sealants and glues of all types from commercially available original cartridges. While the pneumatic cartridge guns with integrated regulating valve are used when working with universal sealants, the telescopic multifunction gun can also be used with extrudable sealants for creating seam and bead seals as well as surface coatings.

Mutually independent regulating mechanisms for atomized air and material feed enable an infinitely variable, individual fine-tuning for each application scenario. A telescoping cylinder for material feed ensures the hermetic separation of sealant and compressed air. The atomized air distributes the medium evenly on the surface to be coated, and ensures optimal adhesion without air bubbles and capillaries.

#### Scope of delivery:

- Gun body, complete, including
- Plug DN 7.2
- Cap nut for spray-on joint sealing
- Cap nut for standard applications
- 10 internal nozzles
- 10 external nozzles

### Pneumatic cartridge gun

GS-approved, with integrated regulating valve, for universal sealants and glues from 310 ml original cartridges.

Part No.:	Description
012 031 011	Pneumatic cartridge gun



### PowerLine cartridge gun

GS-approved, with telescoping piston, for universal sealants and glues from 310 ml original cartridges.

Part No.:	Description
012 032 011	PowerLine cartridge gun



### Telescopic multifunction gun

GS-approved, with separate regulating valves for atomized air and material feed, for extrudable sealants from 310 ml original cartridges.

Part No.:	Description
012 043 011	Telescopic multifunction gun



### Replacement nozzle set


Includes 50 internal and 50 external nozzles


Part No.:	Description
020 202 431	Replacement nozzle set




## Grease nipples

### Tecalemit hydraulic grease nipple "H" Conical grease nipples


Shape	Part No.:	Screw thread	DIN 71412	Abbreviation	Width AF mm  Hexagonal	Head Ø mm	Full height mm ***	Threaded pin length mm***
<b>H1</b> 	021 111 002	6 x 1 self-tapping thread	-	H1 6 x 1	7	6.5	15	5
	021 112 002	M 6 x 1 conical	A M 6	H1 M 6 x 1	7	6.5	15	5
	021 192 400	8 x 1 self-tapping thread	-	H1 8 x 1	9	6.5	15	5
	021 122 002	M 8 x 1 conical	A M 8 x 1	H1 M 8 x 1	9	6.5	15	5
	021 131 002	10 x 1 self-tapping thread	-	H1 10 x 1	11	6.5	15	5
	021 132 002	M 10 x 1 conical	A M 10 x 1	H1 M 10 x 1	11	6.5	5	5
	021 135 002	R 1/8" conical	A R 1/8	H1 R 1/8"	11	6.5	15	5
	021 155 502	R 1/4" conical	-	H1 R 1/4"	14	6.5	17.5	5

<b>H2</b> 	021 211 001	6 x 1 self-tapping thread	-	H2 6 x 1	9	6.5	20.5	5
	021 212 001	M 6 x 1 conical	B M 6	H2 M 6 x 1	9	6.5	20.2	5
	021 221 001	8 x 1 self-tapping thread	-	H2 8 x 1	9	6.5	20.5	5
	021 222 001	M 8 x 1 conical	B M 8 x 1	H2 M 8 x 1	9	6.5	20.5	5
	021 232 001	M 10 x 1 conical	B M 10 x 1	H2 M 10 x 1	11	6.5	20.5	5
	021 235 001	R 1/8" conical	B R 1/8	H2 R 1/8"	11	6.5	20.5	5
	021 255 501	R 1/4" conical	-	H2 R 1/4"	14**	6.5	22.5	7

<b>H3</b> 	021 311 001	6 x 1 self-tapping thread	-	H3 6 x 1	9	6.5	18	5
	021 312 001	M 6 x 1 conical	C M 6	H3 M 6 x 1	9	6.5	18	5
	021 321 001	8 x 1 self-tapping thread	-	H3 8 x 1	9	6.5	18	5
	021 322 001	M 8 x 1 conical	C M 8 x 1	H3 M 8 x 1	9	6.5	18	5
	021 332 001	M 10 x 1 conical	C M 10 x 1	H3 M 10 x 1	11	6.5	18	5
	021 335 001	R 1/8" conical	C R 1/8	H3 R 1/8"	11	6.5	18	5
	021 355 501	R 1/4" conical	-	H3 R 1/4"	14	6.5	20	7

\*\* Or hexagonal \*\*\* approx. dimensions (see DIN 71412) 200 pcs per packaging unit.


### Tecalemit LUB® grease nipple "K" Ball-type grease nipples

Shape	Part No.:	Screw thread	DIN 3402	Abbreviation	Width AF mm  Hexagonal	Head Ø mm	Full height mm ***	Threaded pin length mm***
<b>K1</b> 	022 112 002	M 6 x 1 conical	A M 6	K1 M 6 x 1	7	6.5	13.5	5
	022 122 002	M 8 x 1 conical	A M 8 x 1	K1 M 8 x 1	9	6.5	13.5	5
	022 132 002	M 10 x 1 conical	A M 10 x 1	K1 M 10 x 1	11	6.5	13.5	5
	022 135 002	R 1/8" conical	A R 1/8	K1 R 1/8"	11	6.5	13.5	5
	022 155 502	R 1/4" conical	-	K1 R 1/4"	14	6.5	17	7


\*\*\* Approx. dimensions (see DIN 3402) 200 pcs. per packaging unit

## Grease nipples

### Tecalemit LUB® grease nipple "D" Funnel-type grease nipple

Shape	Part No.	Screw thread pin nom. Ø	DIN 3405	Abbreviation	Width AF mm  Hexagonal	Head Ø mm	Full height mm ***	Threaded pin length mm***
<b>D1</b> 	023 113 001	M 6 x 1 cylindrical	A M 6	D1 M 6x1	7	-	8.5	5
	023 123 001	M 8 x 1 cylindrical	A M 8x1	D1 M 8 x 1	9	-	8.5	5
	023 133 001	M 10 x 1 cylindrical	A M 10x1	D1 M 10x1	11	-	8.5	5
	023 136 001	G 1/8" cylindrical	-	D1 G1/8"	11	-	8.5	5
	023 156 501	G 1/4" cylindrical	-	D1 G1/4"	14	-	11	7
*** Approx. dimensions (see DIN 3405) 200 pcs. per packaging unit								

### Tecalemit Meyrel® grease nipple "M" Funnel-type grease nipple

Shape	Part No.	Screw thread pin nom. Ø	DIN 3404	Abbreviation	Width AF mm  Hexagonal	Head Ø mm	Full height mm ***	Threaded pin length mm***
<b>M1</b> 	024 133 001	M 10 x 1 cylindrical	A M10x1	M1 M10x1	17	16	16.5	5
	024 136 001	G 1/8" cylindrical	-	M1 G1/8"	17	16	16.5	5
	024 156 001	G 1/4" cylindrical	A G1/4"	M1 G1/4"	17	16	18.5	7
	024 166 501	G 3/8" cylindrical	-	M1 G3/8"	17	16	18.5	7
	024 156 501	G 1/4" cylindrical	-	M22 G1/4"	22	22	21.5	7
	024 163 501	M16x1.5 cylindrical	A M16x1.5	M22 M16x1.5	22	22	21.5	7
	024 166 601	G 3/8" cylindrical	A G3/8"	M22 G3/8"	22	22	21.5	7
*** Approx. dimensions (see DIN 3404) 50 pcs. per packaging unit								

### Grease nipple range



Galvanized steel is absolutely necessary so that the nipple heads are not damaged or deformed due to impact or contact with stone, which would result in the lubricant not being pressed into the lubrication points, but instead miss their intended target. The assortment box is made of impact-resistant plastic, and is robust and easy to install at any location.

Dimensions (L x W x H): approx. 250 x 180 x 45 mm  
18 compartments

Part No.:	Description	Version
028 952 301	Grease nipple assortment	Galvanized steel

Located on the inside of the cover is a table which indicates the grease nipple types.



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# Terms of Delivery, Payment and Warranty

The following are the **General Terms of Delivery and Payment of HORN GmbH & Co. KG**, Munketoft 42, 24937 Flensburg, Germany.

## I. Definition

The "Supplier" is HORN GmbH & Co. KG. The "Purchaser" is the company which accepts the Supplier's offer, and/or the company which quotes the Supplier an offer for entering into a purchase contract. The "Product" is an item to be delivered based on a contract entered into between the Purchaser and the Supplier.

## II. Scope

1. The following General Terms and Conditions only apply with regard to companies, legal persons under public law, and special assets under public law.
2. The following General Terms and Conditions apply exclusively; conflicting terms or terms of the Purchaser which differ from these Terms are not recognized by the Supplier, unless (i) they are terms of purchase in accordance with the recommendations of the German Association of the Automotive Industry (VDA) for General Terms and Conditions for the procurement of production material and spare parts which are meant for automobiles, or (ii) he has expressly accepted their validity in writing. The following Terms also apply when the Supplier – with knowledge of conflicting terms or terms of the Purchaser which differ from his own Terms – makes the delivery to the Purchaser without any reservations.
3. In cases where the customer's General Terms and Conditions correspond to the aforementioned VDA terms, they shall, in cases where they differ from the Supplier's Terms, precede the latter.
4. These Terms also apply to future contracts in ongoing business relationships.

## III. Review of requirements for products and services

2.1 In cases where the Purchaser informs the Supplier of his intended use(s) of the products or services he orders, the Supplier's offer shall be based on the assumption that the topics addressed in the following questions have no relevance for the product that the Purchaser has inquired about, unless the Purchaser has already provided the Supplier with corresponding information in some other fashion. If one or more of the following questions are relevant, the Purchaser shall undertake to point this out to the Supplier before the Supplier enters into a commitment with the Purchaser.

Are there requirements regarding the following aspects that were not specified in the inquiry?

1. Packaging and delivery of the part to the Purchaser (bubble wrap, use of specific packaging material, cleanliness requirements, handling of customer's own load carriers);
2. Handling of the part by the Purchaser (robustness, impact and vibration resistance, fall heights);
3. Storage of the part by the Purchaser (resistance to environmental factors such as light, humidity, temperature, air pressure, as well as inherent shelf life of a part);
4. The Purchaser's production;
5. Requirements the part needs to fulfill in the overall system (robustness, impact and vibration resistance);
6. Any influence the part has on its system environment;
7. Any influence the system environment has on the part;
8. Time-related factors such as wear or material fatigue in the specific installation situation;
9. Any influence the overall system has on the part;
10. Any influence the part has on the overall system;
11. Any influences the users have on the overall system (e.g. dirty work clothing, rough/clumsy use, users are not particularly well trained);
12. Any influences from legal provisions that the Purchaser is aware of;
13. Influencing factors which differ from expected normal use with regard to spatial, time-related, or technical aspects, or which otherwise deserve particular mention (e.g. climatic conditions, average duration of use, jiggling, jarring, and vibrational movements);
14. Influencing factors which result from intended use under regional, climatic, and legal conditions;
15. Influencing factors which, with regard to the environment of the

overall system (provided they are not covered in the scope of the order), could have an impact on the function, functionality, and/or service life.

16. Does the Purchaser use operational and auxiliary materials/equipment that does not correspond to the normally expected level of quality, or does the Purchaser use these materials/equipment in a way that is not normally expected?
  17. Does the part to be delivered by the Supplier need to fulfill – as part of subsequent installation or processing – requirements with regard to mechanical, thermal, or electrical resistance, electrostatic compatibility, or handling which may make it necessary to modify the part?
  18. Which interface parameters are required for the validation, including test procedures, test methods, and test equipment?
  19. Does the Purchaser have knowledge of legal or official requirements which differ from normally expected requirements?
- 2.2 By way of derogation from Section 8.4.2.2 and Section 8.6.3 IATF, the parties hereby agree that we are not obliged to identify statutory and official requirements in the countries of destination specified by the Purchaser. According to prevailing case law and literature, this obligation is to be borne exclusively by the Purchaser.

## IV. Offers – offer documents, order confirmation

1. If the Purchaser places an order without the order containing supplements, restrictions, or other modifications as compared to a valid, binding offer from the supplier, the acceptance of the offer shall be effective as soon as the order is received by the Supplier, unless the Supplier has withdrawn his offer before the receipt of the order.
2. The acceptance of an order shall become effective when the Supplier has sent an order confirmation, and this confirmation does not contain any supplements, restrictions, or other modifications as compared to the order.
3. The Supplier reserves all rights of ownership and copyrights to illustrations, drawings, calculations, and other documents. This also applies to written documents which are marked as "Confidential". Disclosure to third parties requires express written permission from the Supplier.

## V. Prices, terms of payment

1. Unless a different INCOTERM clause is agreed upon, all of the Supplier's prices are to be understood EXW INCOTERMS 2020®, and do not include the statutory VAT/sales tax rate valid at the time the invoice is issued. All additional costs, such as the costs for freight, insurance, export, transit, import, and other permits as well as certifications shall be borne by the Purchaser. Similarly, the Purchaser shall bear all manner of taxes, levies, fees, and customs duties.
2. Unless expressly agreed upon otherwise, offers and invoices shall be drawn up in the currency of the supplying party.
3. Price changes are permissible if the period of time between the point in time the contract is entered into and the delivery date agreed upon are no more than 6 weeks apart. Thereafter, if wages, material costs, or market cost prices increase up to the point in time the delivery is completed, the Supplier shall be entitled to reasonably increase the price in accordance with the cost increases. The Purchaser shall only be entitled to withdraw if the price increase exceeds the rise in the general cost of living between the order placement and delivery by more than just an immaterial amount.
4. Unless otherwise agreed upon, invoices are due upon receipt. Subject to the revocation of credit approval, invoices are payable net within 30 days of the invoice date. In cases where a discount is contractually agreed upon, the granting of a discount requires the payment of all invoices that are payable at an earlier date.
5. For all modes of payment, the day the payment is received shall be the day on which the Supplier or third party who has a claim against the Supplier may definitively dispose of the funds.

6. As stipulated in the contract, the Purchaser shall undertake to pay the purchase price and accept the goods. If the Purchaser does not fulfill one of his obligations as set out in this contract or in the relevant laws, the seller may, without prejudice to his other statutory rights, withhold all deliveries or services.
7. If, after the contract is entered into, it becomes evident that the Supplier's payment claims are at risk due to the partner's inability to make payment, the Supplier may refuse performance and set the Purchaser a reasonable grace period, during which he is to make contemporaneous payment upon delivery, or is to furnish a security for the amount of the outstanding claims. If the Purchaser refuses to make contemporaneous payment, or if he does not furnish a corresponding security, the Supplier shall, upon expiry of the reasonable grace period, be entitled to withdraw from the contract and claim damages.
8. If a binding order quantity is not agreed upon, the Supplier shall base his calculations on the non-binding order quantity (target quantity) specified by the Purchaser.
9. If the Purchaser purchases less than the target quantity, the Supplier is entitled to reasonably increase the unit price.
10. If the Supplier has indisputably delivered goods that are partially defective, the Purchaser shall still undertake to make payment for the defects-free percentage of the delivery, unless the partial delivery is of no interest to the Purchaser.

#### **VI. Retention of title**

1. The Supplier shall retain ownership of the delivery items until the receipt of all payments from the business relationship with the Purchaser.
2. The assertion of this retention of title as well as the distraint on the delivery items by the Supplier does not constitute a withdrawal from the contract, unless this is expressly declared by the supplier in writing.
3. The Purchaser is entitled to resell the delivery items in the ordinary course of business; however, he hereby assigns to the Supplier, already now, all claims in the amount of the purchase price agreed upon between the Supplier and the Purchaser (including VAT/sales tax) which accrue to the Purchaser as a result of the resale, regardless of whether the delivery items are sold without or after processing. The Purchaser is authorized to collect these claims even after ceding them. The Supplier's authority to collect these claims himself remains unaffected by this; however, the Supplier shall undertake to refrain from collecting the claims for as long as the Purchaser duly complies with this payment obligations and is not in default of payment.

However, if this is the case, the Supplier may require the Purchaser to disclose the claims ceded and their debtor, and provide all information necessary for their collection, hand over the related documents, and notify the debtors (third parties) of the cession.

4. The processing or restructuring of the goods by the Purchaser shall always be performed for the Supplier. If the delivery items are processed with other items which do not belong to the Supplier, the Supplier shall acquire co-ownership of the new item in proportion to the value of the delivery items to the other processed items at the time of processing.
5. If the delivery items are inseparably mixed with other items which do not belong to the Supplier, the Supplier shall acquire co-ownership of the new item in proportion to the value of the delivery items to the other items mixed. The Purchaser shall perform safekeeping of the co-owned items on behalf of the Supplier.
6. The Purchaser shall neither pledge the delivery items, nor assign them by way of security. In the event of pledges and seizure or other orders by third parties, the Purchaser shall notify the Supplier of this without delay, and provide him with all information and

documents which are necessary for protecting their rights. Enforcement officers and third parties are to be informed of the Supplier's ownership rights.

7. The Supplier shall undertake to release the securities he is entitled to at the Purchaser's request insofar as the realizable value of the securities exceeds the obligations to be secured by more than 20%. The selection of which securities to release is at the Supplier's discretion.

#### **VII. Scope of delivery, delivery period, delivery quantities**

1. Adherence to agreed-upon delivery and performance schedules presumes that all technical issues have been clarified and that payments or other obligations on the part of the Purchaser have been made or are fulfilled on time. If this is not the case, the deadline shall be extended appropriately. Delivery deadlines shall be suspended in the event of redesigns and item changes requested by the Purchaser. They shall only continue to elapse again when the modifications have been approved by the Purchaser.
2. Unless otherwise agreed upon, the notification of readiness for dispatch and/or collection by the Supplier shall be authoritative for adherence to the delivery schedule.
3. The Supplier shall supply the Purchaser with contract goods in accordance with his delivery possibilities.
4. Partial deliveries are permissible as long as this does not result in any disadvantages for usage.
5. The delivery deadline shall be extended if the Purchaser violates the contract, as well as in the event of force majeure, strikes, inability through no fault of one's own, as well as inclement weather circumstances, for the duration of the hindrance.
6. Within a tolerance of 10 percent of the total order quantity, production-related excess or shortfalls in quantity are permissible. The total price agreed upon shall then change accordingly.

#### **VIII. Delivery, transfer of risk**

1. Unless otherwise specified in the order confirmation, delivery is agreed upon "ex works".
2. The notification of readiness for dispatch and/or collection by the Supplier shall be authoritative for adherence to the delivery schedule or deadline.
3. Unless otherwise agreed upon, goods that have been reported as being ready for dispatch are to be accepted by the Purchaser without delay. If the Purchaser is in breach of this obligation, the Supplier shall, at his discretion, be entitled to send the goods to the Purchaser at the Purchaser's expense, or to store the goods himself or have the goods stored by third parties at the partner's expense and risk.
4. Unless otherwise agreed upon, insofar as the goods are not delivered EXW INCOTERMS 2020\*, the transfer of risk takes place upon handover of the goods to the first transport person.

#### **IX. Industrial property rights**

1. The Purchaser shall undertake to notify the Supplier of third-party property right claims with regard to the products delivered without delay, and to leave the legal defense to the Supplier. The Supplier is, due to third-party property right claims, entitled to make necessary changes at his own expense, even for goods that have been delivered and paid for.
2. If the Supplier is prohibited from manufacturing or delivering by a third party claiming a property right belonging to him, the Supplier shall be entitled to discontinue the works until the clarification of the legal situation by the Purchaser and the third party, unless the Supplier is at fault for the property rights violation. If the Supplier cannot be reasonably expected to continue with the order due to the delay(s), he is entitled to withdraw from the arrangement.
3. The Purchaser is liable to the Supplier for ensuring that products/services provided are free of third-party property rights. He hereby

indemnifies the Supplier against all corresponding third-party claims.

#### **X. Liability for delayed delivery**

1. If the Supplier does not fulfill his obligation of delivering the goods as set out in the contract, and the underlying purchase contract is a transaction at a fixed date pursuant to Section 286 (2) No. 4 BGB (Civil Code) or Section 376 HGB (Commercial Code), and the Purchaser continues to be interested in contractual fulfillment, the Supplier shall be liable according to statutory regulations, unless he is not at fault for the breach of contract.
2. If the Supplier does not fulfill his obligation of delivering the goods as set out in the contract, he shall be liable according to statutory regulations in cases where the Purchaser claims damages on the basis of intent or gross negligence on the part of the representatives or vicarious agents of the Supplier. Where the Supplier is not charged with intentional breach of contract within the context of this liability, the liability for compensatory damages is limited to foreseeable, typically occurring damages.
3. If the Supplier does not fulfill his obligation of delivering the goods as set out in the contract, he shall be liable according to statutory regulations in cases where he is culpably in breach of an essential contractual obligation. Where the Supplier is not charged with intentional breach of contract in this case, the liability for compensatory damages is limited to foreseeable, typically occurring damages.
4. Liability due to culpable loss of life, injury, or damage to health shall remain unaffected.
5. Unless otherwise specified in the above, there exists no further liability for delayed delivery.

#### **XI. Liability for defects**

1. Insofar as a product is specified, it is free of material defects if recognized production-related tolerances are complied with. The Purchaser may only demand that the goods be fit for a particular purpose if this was expressly agreed upon in writing.
2. The information and illustrations contained in brochures and catalogs are approximate values customary in the industry, unless the Supplier has expressly stated that they are binding in nature.
3. If the parties have not agreed upon otherwise, the goods are considered to comply with the contract when they comply with the regulations of the sending country. Normative requirements in countries other than the country of sending must be expressly agreed upon in writing.
4. Obvious defects must be reported to and claimed from the Supplier without delay. If a defect exists for which the Supplier is at fault, the Supplier shall, at his discretion, perform rework or make a replacement delivery. In the event of rework, the Supplier shall undertake to bear all expenses necessary for the purposes of eliminating the defect, in particular transport, travel, labor, and material costs, insofar as these costs do not increase by the purchased item being brought to a different location other than the place of fulfillment.
5. If the Purchaser has installed the defective item in or on another item in accordance with its nature and purpose, the Supplier shall, as part of the rework, undertake to reimburse the Purchaser for the necessary expenses for the removal of the defective and the installation of the reworked or redelivered defects-free item. The aforementioned does not apply if the Supplier is permitted to refuse the form of rework chosen by the Purchaser pursuant to Section 439 (4) BGB (Civil Code). The Supplier is permitted to refuse the form of rework chosen by the Purchaser e.g. when the costs of the rework exceed 150% of the value of the goods in a defects-free state.
6. If the rework is unsuccessful, the Purchaser is, at his discretion, entitled to demand withdrawal from the contract or a reduction in price.
7. The supplier shall be liable for defects according to statutory

regulations in cases where he has fraudulently concealed the defect or provided a guarantee for the properties of the item.

8. The Supplier shall be liable for defects according to statutory regulations in cases where the Purchaser claims damages on the basis of intent or gross negligence on the part of the representatives or vicarious agents of the Supplier. Where the Supplier is not charged with intentional breach of contract with regard to liability for defects, the liability for compensatory damages is limited to foreseeable, typically occurring damages.
9. The supplier shall be liable for defects according to statutory regulations in cases where he is culpably in breach of an essential contractual obligation. Where the Supplier is not charged with intentional breach of contract in this case, the liability for compensatory damages is limited to foreseeable, typically occurring damages.
10. Liability for damages due to culpable loss of life, injury, or damage to health shall remain unaffected, as well as liability according to the Product Liability Act (ProdHaftG).
11. 5. Unless otherwise specified in the above, there exists no liability for defects.
12. Claims in accordance with Section 437 BGB (Civil Code) shall expire twelve months after the transfer of risk, unless it involves items which, according to their customary manner of use, have been utilized for a building and have caused its defectiveness.
13. The statute of limitations in the case of recourse due to delivery as set out in Sections 478 and 479 BGB (Civil Code) remains unaffected; it shall be five years, beginning from the delivery of the defective object.

#### **XII. Joint and several liability**

1. For further damage claims, the Supplier shall be liable – regardless of the legal nature of the claim asserted, in particular for those due to culpability upon entering into a contract, due to other breaches of obligations or due to tortious claims for compensation for material damages in accordance with Section 823 BGB (Civil Code) – in accordance with No. IX. (5, 6 and 7). Any other or further liability is excluded.
2. In cases where the Supplier's liability for compensatory damages is excluded or limited due to this No., this also applies with regard to personal liability for compensatory damages on the part of the employees, staff, workers, representatives, and vicarious agents of the Supplier.
3. For all claims which are not subject to a statute of limitations due to a defect in the item, a cut-off period of 18 months applies. It begins upon gaining knowledge of and/or from the point in time at which the Purchaser must, without gross negligence, have gained knowledge of the damage and the identity of the person who is the damaging party.

#### **XIII. Tools, operating supplies/equipment**

1. The manufacturing costs for tools and other operating supplies/equipment (molds, templates etc.) shall, unless otherwise agreed upon, be invoiced separately from the goods to be delivered. This also applies to manufacturing supplies which need to be replaced as a result of wear.
2. If the Purchaser suspends or discontinues the collaboration during the production time of the tools or operating supplies/equipment, all manufacturing costs incurred up till that point in time shall be borne by him.
3. Unless otherwise expressly agreed upon in writing, the tools and/or operating supplies/equipment manufactured or procured by the Supplier shall remain the Supplier's property.
4. Tool costs, whether in whole or in part, shall generally be invoiced separately from the value of the goods. They are, unless otherwise agreed upon, to be paid upon the consignment of the initial sample, or if one is not required, upon the first goods delivery.



5. The Supplier shall undertake to safekeep the tools and/or operating supplies/equipment for 3 years after the last delivery for the Purchaser. If, before this deadline expires, the Purchaser provides notification that orders will be submitted within a period of up to one more year, the Supplier shall undertake to perform safekeeping for this period. Otherwise, he may freely dispose of the tools and/or operating supplies/equipment.

#### **XIV. Counterclaims, transferability**

1. The Purchaser shall only be entitled to perform offsetting when his counterclaims have been legally established, are undisputed, or are recognized by the Supplier. Furthermore, the Purchaser shall only be permitted to exercise a right of retention to the extent that his counterclaim is based on the same contractual relationship.
2. The Purchaser can only cede rights from contracts which he has entered into with the Supplier with the Supplier's consent.

#### **XV. Right of the Supplier to withdraw, termination of open-ended contracts**

1. In the case of an unforeseen event – for which the Supplier is not at fault – which significantly changes the economic significance or the contents of the product/service, or has a significant impact on the Supplier's business, as well as in the case of impossibility of performance which subsequently becomes evident and for which the Supplier is not at fault, the Supplier is entitled to withdraw fully or partially from the contract, unless the Purchaser cannot reasonably be expected to accept a partial withdrawal. Other statutory rights of withdrawal are not affected by this provision.
2. The Purchaser shall not be entitled to any damage claims due to such a withdrawal. If the Supplier wishes to exercise his right of withdrawal, he is to inform the Purchaser of this, and is to do so even if an extension of the delivery period was initially agreed upon with the Purchaser.
3. Open-ended contracts can be terminated by the Supplier by giving 3 months' notice.

#### **XVI. Data protection**

1. The Purchaser shall undertake to obtain, from all persons who communicate in his name or on his behalf with the Supplier, legally valid declarations in which these persons declare their consent for the Supplier to collect, save, process, and use their personal data for the purposes of processing and executing business transactions that have already been completed and ongoing business, for initiating new contracts and/or for similar business contacts. In particular, personal data in this context includes contact data such as: Name, address, position in the company, telephone number, e-mail address etc. as well as data on special skills/knowledge, location and time information on discussions, and similar data.
2. The Purchaser shall undertake to obtain, from all persons who communicate in his name or on his behalf with the Supplier, legally valid declarations in which these persons declare their express consent for the Supplier to disclose to third parties their personal data for the purposes of processing and executing business transactions that have already been completed and ongoing business, for initiating new contracts and/or for similar business contacts.
3. The Purchaser shall undertake to obtain, from all persons who communicate in his name or on his behalf with the Supplier, legally valid declarations in which these persons declare their express consent that the Supplier only needs to delete the personal data of these persons upon receiving an express request to this effect from the data subject.
4. "Legally valid" for the purposes of the aforementioned provisions means that the Purchaser must independently identify the necessary prerequisites of a valid declaration pursuant to data protection laws and the law of obligations.
5. If the Purchaser does not have the aforementioned declarations, he shall undertake to expressly inform the Supplier of this in writing.
6. If the Purchaser is in breach of the aforementioned notification obligation or if it subsequently becomes known that the declarations obtained by the Purchaser are fully or partially invalid,

the Purchaser shall indemnify the Supplier against claims which third parties assert related to these contractual obligations against the Supplier. The legal damage claims the Supplier is entitled to in this context remain unaffected.

7. Furthermore, the Supplier shall handle the Purchaser's personal information in compliance with the Federal Data Protection Act.

#### **XVII. Place of fulfillment, place of jurisdiction, other aspects**

1. Unless otherwise expressly agreed upon, the registered office of the Supplier shall be the place of fulfillment.
2. If the Purchaser is a businessman, a legal entity under public law, or a holder of special assets under public law, the place of jurisdiction shall be the competent court for the registered office of the Supplier. However, the Supplier is also entitled to bring an action against the Purchaser at any other permissible place of jurisdiction.
3. Should any provision of these Terms or a part of a provision be or become invalid, the remaining provisions and/or the remaining part of the provision shall continue to retain its validity.

#### **XVIII. International contractual partners**

In cases where the Purchaser has his branch overseas, the following applies additionally, and where applicable by way of derogation to, the preceding:

1. German law shall apply exclusively.
2. In the event of contradictory contractual offers and declarations of acceptance, the delivery shall constitute a new offer in accordance with the terms of the last declaration by the Supplier.
3. If the Supplier owes the obligation to deliver a particular item, he shall only be obliged to provide a replacement delivery in the event of a defective delivery if he consents to this.
4. The Purchaser shall lose the right to point out the goods' lack of conformity with the contract if he does not notify the Supplier of this within a maximum of 12 months after the goods are actually handed over to him.
5. In cases where one of the provisions of No. XVIII. contradicts the remaining General Terms of Delivery and Payment, the provision in No. XVIII. shall take precedence.
6. The language of the contract is German. In cases where the contractual partners utilize an additional language, the German phrasing shall take precedence.

Note:

The Supplier saves the personal data of his customers. When doing so, he complies with statutory regulations. This storage takes place for the purposes of processing and executing business transactions that have already been completed and ongoing business, for initiating new contracts and/or for similar business contacts.

As per statutory regulations, the Purchaser may demand information with regard to the personal data about him stored by the Supplier. Should the Purchaser identify a violation of prevailing laws in the conduct of the Supplier, he is to contact the Supplier directly. In the event of a justified claim, the Supplier shall then immediately cease the violation. A written warning or legal enforcement is not required in such cases. Should the Purchaser enforce the violation of prevailing laws via a written warning or legal avenues, the Supplier points out that the Purchaser himself will need to bear the resulting costs due to a lack of danger of recurrence.

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