

Lubrication Equipment - Fluid Handling Products

mato

Product Catalogue 2020

mato



MATO GmbH & Co KG, Main Production Facility and Administration Headquarters, Mühlheim a.M., Germany

mato

High-Quality Lubrication Equipment for High-Quality Lubricants

Every machine or piece of plant has moving parts. Lubricants are necessary to reduce friction, minimise wear and to offer protection against the intrusion of impurities and corrosion.

These lubricants can only fulfil their defined and intended functions if they are delivered cleanly, safely and in the required volumes.

In all sectors of production, maintenance and repair, lubricant is often delivered at high pressure creating risks for operators, machinery and the environment. The complete range of MATO lubrication equipment enables our customers to handle and supply lubricants reliably, safely, economically and ecologically.

Products for handling lubricating greases, hydraulic and lubricating oils are supplemented by an intelligent range of pumps and accessories for fluids such as diesel, fuel oil and two stroke fuels: this range culminating in our modern fluid management system, FLUICON.

State of the art production takes place in our fully automated manufacturing facility and, thanks to a consistent, rigorous and customer-focussed quality policy.

MATO Lubrication Equipment enjoys a worldwide reputation for excellence.

MATO Lubrication Equipment Fluid Handling Products

Lube-Shuttle® - Grease Gun System



6

Grease-Guns, One-Hand Guns, Suction- and Filling Guns



12

Grease Guns suitable for 500g Screw-Cap Cartridges



16

Battery Operated Grease Guns 18 V and Accessories



19

Lubrication Accessories , Grease Nipples



24

Oil Cans, Funnels and Fluid Measures



37

Filler Pumps for Grease Guns, Cartridges and Centralised Lubrication Systems



43

High Pressure Lubrication Equipment (manual, pneumatic and electric)



49

Hand Pumps for Oil, Diesel and other Fluids



58

Pneumatic Pumps for Oil, Diesel, Anti-Freeze and other Fluids



64

Electric Pumps for Engine, Gearbox and Hydraulic Oil



75

Hose End Meters and Control Guns, Solenoid Valves and Pulse Meters



88

Hose Reels, Hose Holder, Waste Oil Pumps and Drainers



93

Electric Pumps, Tank Units for AdBlue® and Tank Kits for Diesel and Petrol



101

Part No, Index, Terms & Conditions



114

mato



Lube Shuttle



Lube-Shuttle® System Side-Lever Grease-Gun

Description

Images and specifications can be subject to change without notice

Part No.

Lube-Shuttle® Side-Lever Grease-Gun, galvanized

Side lever grease gun for Lube-Shuttle® cartridges, **galvanized**
TÜV, DLG, BLT approved, ergonomic hand grip,
packed in environmentally friendly display carton.
Working pressure more than 400 bar (5.800 psi), maximum pressure
capability approx. 800 bar (11.600 psi),
- Tool free cartridge opening with screw-cap, re-usable
- Fast and clean loading and unloading without opening gun
- Type and quantity of grease visible at a glance
- Optimum use of all grease in cartridge
- Environmentally friendly
- Refillable using Lube-Shuttle filler pumps with refill adaptor
(part no. 3115050)
- No air venting necessary !



Lube-Shuttle® without accessories , galvanized M10x1	30 020 60
Lube-Shuttle® without accessories , galvanized 1/8"	30 010 70
Lube-Shuttle® with rigid tube E4024 , galvanized M10x1	30 120 90
Lube Shuttle® with rigid tube E4024 , galvanized 1/8"	30 110 00
with 300mm high pressure nylon hose PH-30C , multiple braid, burst pressure 1.000 bar (14.450 psi), Ø-9mm, and 4-jaw hydraulic coupler	
Lube-Shuttle® with hose PH-30C , galvanized M10x1	30 320 50
Lube Shuttle® with hose PH-30C , galvanized 1/8"	30 310 60
with 300mm safety rubber hose RH-30C , Steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, and 4-jaw hydraulic coupler	
Lube Shuttle® with hose RH-30C , galvanized M10x1	30 220 20
Lube Shuttle® with hose RH-30C , galvanized 1/8"	30 210 30



For more information on our range of hoses, please see page 26

Lube-Shuttle® Side-Lever Grease-Gun, painted

Type and accessories as described above,
but silver painted, with black hand grip

New



Lube-Shuttle® without accessories , painted M10x1	30 026 02
Lube-Shuttle® without accessories , painted 1/8"	30 016 05
Lube-Shuttle® with rigid tube E4024 , painted M10x1	30 126 49
Lube Shuttle® with rigid tube E4024 , painted 1/8"	30 119 01
Lube-Shuttle® with hose PH-30C , painted M10x1	30 326 09
Lube Shuttle® with hose PH-30C , painted 1/8"	30 316 02
Lube Shuttle® with hose RH-30C , painted M10x1	30 229 07
Lube Shuttle® with hose RH-30C , painted 1/8"	30 219 00



Lube-Shuttle® Promo-Set

Lube-Shuttle® Promo-Set in display-carton,
includes galvanized Lube-Shuttle® side-lever grease-gun,
either with rigid tube E4024, nylon hose or high pressure safety
rubber hose, each with 4-jaw hydraulic safety coupler,
and **two** Lube-Shuttle® cartridges MULTI basic 2M

Lube-Shuttle® Promo-Set with rigid tube E4024 , M10x1	30 112 39
Lube-Shuttle® Promo-Set with rigid tube E4024 , R1/8"	30 112 22
Lube-Shuttle® Promo-Set with hose PH-30C , M10x1	30 112 91
Lube-Shuttle® Promo-Set with hose PH-30C , R1/8"	30 112 77
Lube-Shuttle® Promo-Set with hose RH-30C , M10x1	30 113 38
Lube-Shuttle® Promo-Set with hose RH-30C , R1/8"	30 113 21



Lube-Shuttle® System TG One-Hand Gun

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

Lube-Shuttle® System TG One-Hand Gun

One-hand grease-gun with galvanized steel barrel for Lube-Shuttle® system cartridges, ergonomically designed pistol grip, packed in display-carton

Pressure capability of approx. 300 bar (4.350 psi)
For details of the features and advantages of the MATO Lube-Shuttle® grease-gun system see above



without accessories

Lube Shuttle® TG without accessories, thread M10x1	30 060 20
Lube Shuttle® TG without accessories, thread R1/8"	30 050 30

Lube Shuttle® TG with rigid tube

Lube Shuttle® TG with rigid tube, thread M10x1	30 160 50
Lube Shuttle® TG with rigid tube, thread R1/8"	30 150 60

with 300mm high pressure nylon hose PH-30C,

multiple braid, burst pressure 1.000 bar (14.450 psi), Ø-9mm, with 4-jaw hydraulic coupler

Lube Shuttle® TG with hose PH-30C, Thread M10x1	30 360 10
Lube Shuttle® TG with hose PH-30C, Thread R1/8"	30 350 20

with 300mm safety rubber hose RH-30C,

steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, with 4-jaw hydraulic coupler

Lube Shuttle® TG with hose RH-30C, thread M10x1	30 260 80
Lube Shuttle® TG with hose RH-30C, thread R1/8"	30 250 90



For more information on our range of hoses, please refer to page 26

Lube-Shuttle® TG Promo-Set

Lube-Shuttle® Promo-Set in display-carton, includes Lube-Shuttle® TG one-hand grease-gun, either with rigid tube E4024, nylon hose or high pressure safety rubber hose, each with 4-jaw hydraulic safety coupler, and two Lube-Shuttle® cartridges MULTI basic 2M



with rigid tube and 4-jaw hydraulic coupler

Lube-Shuttle® Promo-Set TG with rigid tube E4024, M10x1	30 116 42
Lube-Shuttle® Promo-Set TG with rigid tube E4024, R1/8"	30 116 59

with 300mm high pressure nylon hose PH-30C,

multiple braid, burst pressure 1.000 bar (14.450 psi), Ø-9mm, and 4-jaw hydraulic coupler

Lube-Shuttle® Promo-Set TG with PH-30C, M10x1	30 117 03
Lube-Shuttle® Promo-Set TG with PH-30C, R1/8"	30 117 10

with 300mm safety rubber hose RH-30C,

steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, and 4-jaw hydraulic coupler

Lube-Shuttle® Promo-Set TG with RH-30C, M10x1	30 118 02
Lube-Shuttle® Promo-Set TG with RH-30C, R1/8"	30 118 19



Lube-Shuttle® Lubrication Kit, Air Operated Grease Applicators and Dispenser

Description

Images and specifications can be subject to change without notice

Part No.

Lube-Shuttle® Lubrication Kit

Kit includes:

Lube-Shuttle® System Side-Lever Grease-Gun with special connector, rigid tube E4024 with swivel nut for easy and safe screw-on to the grease gun, safety rubber hose RH-30C with 4-jaw hydraulic coupler, rigid tube with slide-on connector SK16 rigid tube for driveshaft F4020, each with snap-on coupling, conical and universal connector

All parts safely stored in carry-along case

Lube-Shuttle® lubrication kit

30 333 30

Lube-Shuttle® Grease Spray Unit LubeJet-eco

This air operated grease spray unit enables the spraying of grease directly from the Lube-Shuttle® system-cartridge without the need for propellants or chemical additives, such as solvents. Spraying grease on to chains, wire ropes, open gears, slideways, telescopic booms etc. offers enormous potential for cost savings. Eliminates wasteful consumption of grease in surface coating, offers wide range of applications.

Lube-Shuttle® grease spray unit LubeJet-eco

33 780 80

Spray Lances Set for Lube-Shuttle® LubeJet-eco

Spray lances set for LubeJet-eco with safety quick-coupler incl. three straight spraying lances 500/750 and 1200 mm and one bent lance 170/55 mm. Lances are made of stainless steel (1.4301) 8mm

Spray lances Set for Lube-Shuttle® LubeJet-eco

33 782 95

Lube-Shuttle® Air Operated Grease Gun DF-LS

One-hand air operated grease gun for Lube-Shuttle® cartridges, **designed for grease up to NLGI class 3, single shot system**, output approx. 1 ccm per stroke, pressure ratio 1:60, max. pressure 480 bar (6.950 psi), air pressure 3 to 8 bar

Lube-Shuttle® DF-LS with rigid tube E4024, M10x1

30 371 16

Lube-Shuttle® DF-LS with rigid tube E4024, R1/8"

30 371 09

Lube-Shuttle® DF-LS with hose RH-30C, M10x1

30 373 14

Lube-Shuttle® DF-LS with hose RH-30C, R1/8"

30 373 07

Lube-Shuttle® Dispenser Lube-Shot 400

Designed to apply grease to all open surfaces, such as uncaged roller bearings. The dispenser will replace traditional, messy methods of application with open cartridges and brushes. The use of this dispenser will permit clean and uncontaminated greasing of open bearings. Lube-Shot 400 with nozzle, screw cap and an adaptor nozzle for the Lube-Shuttle® system-cartridge.

Lube-Shuttle® dispenser Lube-Shot 400

30 001 10

Nozzle-Set Lube-Shot 400

Nozzle with closure cap for the Lube-Shuttle® system cartridge

Nozzle-Set Lube-Shot 400

30 009 05



Cartridges Empty, Accessories and Filling Units for Lube-Shuttle® System-Cartridges

Description Images and specifications can be subject to change without notice **Part No.**

Lube-Shuttle® Cartridges Empty

Empty Lube-Shuttle® cartridges

follower plate inserted and screw cap separated

MATO recommends empty cartridges of NMBP, France:
www.mbp-plastics.com



Customized printing on empty cartridges available upon request

Lube-Shuttle® cartridges, empty **31 198 05**

Lube-Shuttle® Cartridge Screw Caps

24 screw caps, packed in poly bag, replacements, or for sealing cartridges after filling



Lube-Shuttle® cartridge screw caps **31 100 00**

Lube-Shuttle® Cartridge Adaptor

Lube-Shuttle® cartridge adaptor, easy method to adapt Lube-Shuttle® cartridges to different thread sizes in third party grease guns



Lube-Shuttle® cartridge adaptor (Fuchs/KAJO to 1" Lube-Shuttle) **31 090 04**

Lube-Shuttle® cartridges adaptor (Lincoln/SKF to 1" Lube-Shuttle) **31 091 03**

Lube-Shuttle® Refill-Adaptor Set

Lube-Shuttle cartridge refill adaptor for use with manual grease pail pump (i.e. MATO ecoFILL).

Simple, economic and clean refilling of empty cartridges.



Refill-Adaptor set Lube-Shuttle® **31 150 50**

Pneumatic Filler Pump pneuMATO-fill

Filler pump with high output for clean and quick filling of Lube-Shuttle® cartridges (using refill-adaptor part no. 31 150 50) or filling standard grease guns with filling nipple.

(without Refill-Adaptor-Set)



pneuMATO-fill-10-d for 10 kg pails, inner-Ø 215-230 mm **33 710 50**

pneuMATO-fill-15-d for 15 kg pails, inner-Ø 255-282 mm **33 715 48**

pneuMATO-fill-20-d for 18/20 kg pails, inner-Ø 265-285 mm* **33 720 88**

pneuMATO-fill-20-d for 18/20 kg pails, inner-Ø 285-305 mm **33 720 64**

pneuMATO-fill-25-d for 25 kg pails, inner-Ø 300-335 mm **33 725 76**

pneuMATO-fill-50-d for 50 kg pails, inner-Ø 355-387 mm **33 750 65**

pneuMATO-fill-200-d for 200 kg drums, inner-Ø 550-590 mm **33 700 60**

Lube-Shuttle® System-Cartridges

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

Lube-Shuttle® Booster-Pack MULTI basic 2M

Lithium multi-purpose grease, mineral oil base, for universal application. Includes anti-oxidants and corrosion inhibitors as well as polymers to improve adhesion.

Basic data:

Base viscosity: 110 mm² / s (40°C)
 Temperature range: -30 to +120°C (short term to +130°C)
 According to DIN 51502: K2K-30 NLGI Class : 2
 Offers good corrosion protection, resistance to oxidation, high mechanical stability and high pressure capabilities.



Grease cartridges 400 g Lube-Shuttle® MULTI basic 2M **31 200 23**



Lube-Shuttle® Booster-Pack MULTI PLUS EP-2M

Lithium multi-purpose grease, mineral oil base, with Extreme Pressure additives. Includes anti-oxidants and corrosion inhibitors as well as polymers to improve adhesion. Compared to MULTI basic, has a higher mechanical stability.

Basic data:

Base viscosity: 200 mm² / s (40°C)
 Temperature range: -30 to +120°C (short term to +130°C)
 According to DIN 51502: KP2K-30 NLGI Class: 2
 Offers good corrosion protection, resistance to oxidation, very high mechanical stability and high pressure capabilities.



Grease cartridges 400 g Lube-Shuttle® MULTI PLUS EP-2M **31 200 30**



Lube-Shuttle® Booster-Pack GRAPHITE 2M GR

Graphite multi-purpose grease with Lithium soap, mineral oil base with extreme pressure and anti-wear additives. Includes anti-oxidants and corrosion inhibitors as well as polymers to improve adhesion.

Basic data:

Base viscosity: 110 mm² / s (40°C)
 Temperature range: -30 to +130°C (short term to +150°C)
 According to DIN 51502: KPF2K-30 NLGI Class: 2
 Good corrosion and oxidation protection properties, high mechanical stability, excellent high pressure characteristics.



Grease cartridges 400 g Lube-Shuttle® GRAPHITE 2M GR **31 200 92**



Lube-Shuttle® Booster-Pack HIGH TEMP EP-2L HT

Lithium complex high temperature grease, mineral oil base with extreme pressure and anti-wear additives. Includes anti-oxidants and corrosion inhibitors as well as polymers to improve adhesion. Good corrosion and oxidation protection properties, outstanding mechanical stability, good high pressure characteristics.

Basic data:

Base viscosity: 215 mm² / s (40°C)
 Temperature range: -30 to +140°C (short term to +220°C)
 According to DIN 51502: KP2-3N-30 NLGI Class: 2-3



Grease cartridges 400 g Lube-Shuttle® HIGH TEMP EP-2L HAT **31 201 22**



Lube-Shuttle® Booster-Pack PROTECT EP-2L WR

Semi-synthetic Calcium base grease with extreme pressure and anti-wear additives, anti-oxidants and corrosion inhibitors. This grease, of the highest quality, combines excellent water resistance and a high adhesion factor.

Basic data:

Base viscosity: 1370 mm² / s (40°C)
 Temperature range: -30 to +120°C (short term to +130°C)
 According to DIN 51502: KP2K-30 NLGI Class: 2
 Excellent water resistance and adhesion properties, extr. pressure, excellent corrosion protection and outstanding mechanical stability.



Grease cartridges 400 g Lube-Shuttle® PROTECT EP-2L WR **31 201 60**



mato



Side Lever Grease Guns

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

MATO All Steel Grease Gun E503

Business class model, short stroke action, metered delivery, permanent spring load system.
Working pressure more than 400 bar (5.800 psi), max. pressure capability approx. 800 bar (11.600 psi), TÜV, DLG, BLT approved, according to DIN 1283, **packed in poly bag**, suits 400 g cartridges or 500 g bulk fill.



For more information on our range of hoses, please see page 26



E503 without accessories , thread M10x1	30 520 03
E503 without accessories , thread R1/8"	30 510 06
E503 with rigid tube E4024 , thread M10x1	30 521 02
E503 with rigid tube E4024 , thread R1/8"	30 511 05
E503 with 300 mm high pressure nylon hose PH-30C , multiple braid, burst pressure 1.000 bar (14.450 psi), Ø - 9 mm, with 4-jaw hydraulic coupler	
E503 with hose PH-30C , thread M10x1	30 522 01
E503 with hose PH-30C , thread R1/8"	30 512 04
E503 with 300 mm with safety rubber hose RH-30C , steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø - 13 mm, with 4-jaw hydraulic coupler	
E503 with hose RH-30C , thread M10x1	30 523 00
E503 with hose RH-30C , thread R1/8"	30 513 03

MATO All Steel Grease Gun E500

First-class model, short stroke action, metered delivery, perm. spring load system, combined filler nipple / air venting valve, ergonomic hand grip. Working pressure more than 400 bar (5.800 psi), max. pressure capability approx. 800 bar (11.600 psi), TÜV, DLG, BLT approved. according to DIN 1283, **packed in display carton**, suits 400 g cartridges or 500 g bulk fill.



For more information on our range of hoses, please see page 26



E500 without accessories , thread M10x1	30 420 04
E500 without accessories , thread R1/8"	30 410 07
E500 with steel tube E4024 , thread M10x1	30 421 03
E500 with steel tube E4024 , thread R1/8"	30 411 06
E500 with 300 mm high pressure nylon hose PH-30C , multiple braid, burst pressure 1.000 bar (14.450 psi), Ø - 9 mm, with 4-jaw hydraulic coupler	
E500 with hose PH-30C , thread M10x1	30 422 02
E500 with hose PH-30C , thread R1/8"	30 412 05
E500 with 300mm safety rubber hose RH-30C , steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, and 4-jaw hydraulic coupler	
E500 with hose RH-30C , thread M10x1	30 423 01
E500 with hose RH-30C , thread R1/8"	30 413 04

MATO All Steel Grease Gun E600

First-class model, short stroke action, metered delivery, permanent spring load system, combined filler nipple/air venting valve, ergonomic hand grip, for 500 g cartridges or 600 g bulk fill, packed in plain carton

E600M without accessories , thread M10 x 1	30 426 08
E600R without accessories , thread R1/8"	30 416 01



MATO Grease Gun with Pressure Gauge

see model E503, thread R1/8", short stroke action, metered delivery and permanent spring load system, additionally equipped with pressure gauge (0-400 bar / 0-5.800 psi) and hand-grip

MATO grease gun with pressure gauge, without accessories	30 526 90
--	------------------



Lubrication Kit, Oil Guns and One-Hand Guns

Description

Images and specifications can be subject to change without notice

Part No.

MATO Lubrication Kit E480

Grease gun E500, universal adaptor, steel tube E4024 and extra safe rubber hose, supplied with 4-jaw hydraulic coupler, rigid tube for driveshaft F4020, each with snap-on coupling, rigid tube with slide-on connector, conical and universal connector. Supplied in carry-along case.

Lubrication Kit E480

30 330 40

MATO All Steel Grease gun E500 with bracket

Grease Gun E500, zinc plated, with bracket for wall/surface mounting, side lever retraction by spring, unit **packed in individual poly bag**



MATO All Steel Grease gun E500 with bracket

30 425 09

Oil and Fluid Grease Gun E476

Equipped with special air release valve, piston designed for oil, 500 cc capacity, short stroke action, packed in carton.

4-jaw hydraulic connector features a backlash valve.

E476M without accessories, thread M10x1

30 700 52

E476R without accessories, thread R1/8"

30 700 76

E476M with rigid tube E4024, thread M10x1

30 701 20

E476R with rigid tube E4024, thread R1/8"

30 701 44

E476M with hose RH-30C, thread M10x1

30 702 36

E476R with hose RH-30C, thread R1/8"

30 702 50

Suction and Filling Gun S400/1

Suction and filling gun with double inner piston and flexible plastic suction hose (300 mm)

S400/1

34 600 82

Double Action Filling Gun SFP 500

Double action hand gun for fuel oil, mineral, synthetic and food safe oils, anti-freeze and coolants, petroleum etc., with suction and filling hose (500 mm)

Double action filling gun SFP 500

34 600 20

Lever Gun for Concrete Restoration

Lever gun based on our all steel grease gun with sealed container, 600 ccm, thread M10x1. Effortless compression of epoxy and PU resins, into i.e. cracks, with injection packer, achieves high pressure level



Lever gun for concrete restoration

30 620 64

One Hand Grease Gun TG120

Robust one-hand gun for grease up to NLGI 2, with combined filler nipple/air venting valve, rigid tube (can be fitted horizontally or vertically) and 4-jaw hydraulic connector R1/8", capacity 130 cc, maximum pressure up to 200 bar /2,900 psi. Can be filled from drum/bucket with filler pump or by suction from grease pails.

TG120 with rigid tube and 4-jaw hydraulic connector

32 120 70



One-Hand Guns, Air Operated Grease Gun and Grease Cartridges

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

One-Hand Grease Gun Kit TG-500

suits 400 g cartridges or 500 g bulk fill, equipped with combined air release/filling valve (for use with pail mounted filler pumps), pressure capability approx. 300 bar, zinc plated, packed in carton. For accessories see below.

New ergonomically engineered heavy-duty design, delivery rigid tube can be fitted either horizontally or vertically, thereby ensuring optimal access to even difficult to reach lubrication spots.



TG-500-S with rigid tube, thread M10x1 **32 101 06**

TG-500-S with rigid tube, thread R1/8" **32 101 20**

With 300 mm high pressure nylon hose PH-30C, multiple braid, burst pressure 1,000 bar / 14,450 psi, Ø - 9 mm, with 4-jaw hydraulic coupler

TG-500-F with hose PH-30C, thread M10x1 **32 103 04**

TG-500-F with hose PH-30C, thread R1/8" **32 103 28**

With 300 mm safety rubber hose RH-30C, steel wire braided, burst pressure 1,650 bar / 23,900 psi, Ø - 13 mm with 4-jaw hydraulic coupler

TG 500-F with hose RH-30C, thread M10x1 **32 102 05**

TG 500-F with hose RH-30C, thread R1/8" **32 102 29**



For more information on our range of hoses please see page 26



MATO-One Hand Air Operated Grease Gun DF

For use with standard grease cartridges 400 g, filler pump or bulk fill, for greases up to NLGI 2, DIN 51818.

Single shot system (1 ccm per stroke), pressure ratio 60:1, air pressure from 3 to max. 8 bar, maximum working pressure 480 bar (6.950 psi)



DF 500 with rigid tube E4024, thread M10x1 **34 101 55**

DF 500 with rigid tube E4024, thread R1/8" **34 100 01**

DF 501 with safety rubber hose RH-30C, thread M10x1 **34 101 79**

DF 501 with safety rubber hose RH-30C, thread R1/8" **34 100 56**

MATO-One Hand Air Operated Oil Gun DFO

Technical data see above, but with oil tight inner piston. Accessory-set includes hydraulic connector with backlash valve.

DFO 500 with rigid tube E4024, thread R 1/8" **34 101 00**

DFO 501 with safety rubber hose RH-30C, thread R 1/8" **34 101 24**

Pull-Off-Grease Cartridges 400g - DIN 1284

Pull-Off grease cartridges, according to DIN 1284

Diameter: max. 53,5 mm

Length: 235 mm

For specification of grease

Multi basic 2M, MULTI PLUS EP-2M und GRAPHITE 2M GR

please see page 10

MATO recommends empty cartridges of NMBP-France:
www.mbp-plastics.com



Pull-Off grease cartridges 400 g MULTI basic 2M K2K-30 **31 000 18**

Pull-Off grease cartridges 400 g MULTI PLUS EP-2M KP2K-30 **31 001 24**

Pull-Off grease cartridges 400 g GRAPHITE 2M GR KPF2K-30 **31 002 09**

mato



Lube
Schraubkartusche

500 g
Schraubkartusche
grease cartridge

MULTI basic
Lithium-Mehrzweckfett
Lithium Multi-Purpose Grease
Graisse de Litho multuso

Grease guns suitable for 500g screw-cap cartridges

Description

Images and specifications can be subject to change without notice

Part No.

Side-Lever Grease Gun LS 500

Side-lever grease gun for **500g screw cap cartridges**, high quality version with zinc plated all-steel pumphead, based on vacuum principle of grease-gun system Lube-Shuttle®. Ergonomic hand grip, packed in display-carton. Working pressure more than 400 bar (5.800 psi), maximum pressure capability 800 bar (11.600 psi)

MATO LS 500 achieves **higher pressure at less effort** in comparison to the two-lever grease guns on the market.

Advantages:

- Tool free cartridge opening with screw-cap, re-usable
- Fast and clean loading and unloading without opening gun
- Type and cartridge filling level visible at a glance
- Optimum use of all grease in cartridge
- Environmentally friendly
- Refillable using Lube-Shuttle filler pumps with re-fill adaptor (part no. 31 151 04)
- No air venting necessary !

without accessories

LS500 without accessories, thread M10x1 **30 025 03**
 LS500 without accessories, thread R1/8" **30 015 51**

with rigid tube and 4-jaw hydraulic coupler

LS500 with rigid tube E4024, thread M10x1 **30 125 02**
 LS500 with rigid tube E4024, thread R1/8" **30 115 05**

With 300mm high pressure nylon hose PH-30C, multiple braid, burst pressure 1.000 bar (14.450 psi), Ø-9mm, and 4-jaw hydraulic coupler

LS500 with hose PH-30C, thread M10x1 **30 325 00**
 LS500 with hose PH-30C, thread R1/8" **30 315 03**

With 300mm safety rubber hose RH-30C, steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, and 4-jaw hydraulic coupler

LS500 with hose RH-30C, thread M10x1 **30 225 01**
 LS500 with hose RH-30C, thread R1/8" **30 215 04**

One-Hand Gun TG-LS500

One-hand grease gun for **500g screw-cap cartridges** equipped with cartridge-adaptor TG-LS500, ergonomically designed pistol grip, (horizontal or vertical hose/pipe connection) packed in carton-box.

Pressure capability of approx. 300 bar (4.350 psi)

Without accessories

TG-LS500 without accessories, thread M10x1 **30 080 00**
 TG-LS500 without accessories, thread R1/8" **30 070 03**

Lube Shuttle® TG with rigid tube

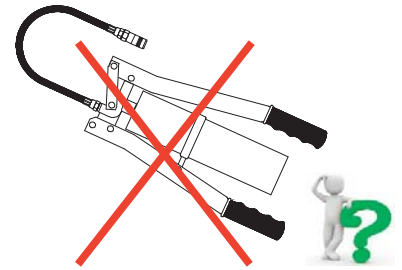
TG-LS500 with rigid tube, thread M10x11 **30 100 10**
 TG-LS500 with rigid tube, thread R1/8" **30 090 07**

With 300mm high pressure nylon hose PH-30C, multiple braid, burst pressure 1.000 bar (14.450 psi), Ø-9mm, with 4-jaw hydraulic coupler

TG-LS500 with hose PH-30C, thread M10x1 **30 103 00**
 TG-LS500 with hose PH-30C, thread R1/8" **30 101 19**

With 300mm safety rubber hose RH-30C, steel wire braided, burst pressure 1.650 bar (23.900 psi), Ø-13mm, with 4-jaw hydraulic coupler

TG-LS500 with hose RH-30C, thread M10x1 **30 107 06**
 TG-LS500 with hose RH-30C, thread R1/8" **30 105 08**



For more information on our range of hoses please see page 26



For more information on our range of hoses please see page 26



Accessories and Filling Units for LS 500 Cartridges

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

LS500 Refill-Adapter Set

LS500 cartridge refill adaptor for use with MATO ecoFILL and pneuMATO-fill pail/drum mounted filler pumps.

Simple and clean refilling of empty 500 g screw-top cartridges !



Refill-Adapter LS500	31 151 04
----------------------	-----------

Cartridge Adapter TG-LS500

Cartridge adapter serves to make the 400g Lube-Shuttle® versions of one-hand grease gun TG-LS suitable for the 500 g screw-cap cartridges



Cartridge Adapter TG-LS500	31 093 01
----------------------------	-----------

Cartridge Adapter for Accu-Greaser 18 V

Cartridge adapter serves to make the 400g Lube-Shuttle® versions of Accu-Greaser 18 V suitable for the 500 g screw-cap cartridges



Cartridge Adaptor for Accu-Greaser 18V	31 094 00
--	-----------

500 g screw-cap cartridges MULTI basic 2M

Lithium multi-purpose grease , mineral oil base, for universal application. Includes anti-oxidants and corrosion inhibitors as well as polymers to improve adhesion.

Basic data:

- Base viscosity: 110 mm² / s (40°C)
- Temperature range: -30 to +120°C (short term to +130°C)
- According to DIN 51502: K2K-30 NLGI Class : 2
- Offers good corrosion protection, resistance to oxidation, high mechanical stability and high pressure capabilities.



500 g screw cap cartridges MULTI basic 2M	31 010 15
---	-----------

mato



Battery Operated Grease-Gun 18V Li-Ion Standard-Line

Description

Images and specifications can be subject to change without notice

Part No.

Accu-Greaser 18 V Standard-S

Battery operated grease-gun 18V Li-Ion, suitable for 400 g pull-off cartridge, according to DIN 1284, item features:

- LCD battery level display and LED overload indicator
- **Li-Ion battery 18V - 1500mAh**
- **standard wide range input charger (100 -240 V/ 50-60 Hz),** overload protected (charging time approx. 60 min.)
- max. delivery 115 ccm per min.
- grease barrel for 400 g pull-off cartridges or 500 ccm bulk grease
- filling-/ and air venting nipple
- high-pressure safety rubber-hose (1.650 bar b.p.), length 750 mm, incl. 4-jaw hydraulic safety-coupler R1/8"
- carry-along case with space for spare battery and spare cartridge

Accu-Greaser 18 V Standard-S

34 276 03

Accu-Greaser 18 V Standard-LS

Battery operated grease-gun 18V Li-Ion, suitable for 400 g Lube-Shuttle® cartridge, for item description please see above. Version comes with cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple (vacuum principle)

Accu-Greaser 18 V Standard-LS

34 277 02

Accu-Greaser 18 V Standard-SP

Battery operated grease-gun 18V Li-Ion, suitable for LS 500 style screw-neck cartridges, for item description please see above. Version with protection tube for 500 g screw-neck cartridges and plug instead of filling-/ air venting nipple (vacuum principle).

Accu-Greaser 18 V Standard-SP

34 278 01

Accu-Greaser 18 V Standard-S-LS

Battery operated grease-gun 18V Li-Ion, suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges, for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Standard-S-LS

34 279 00

Accu-Greaser 18 V Standard-S-LSP

Battery operated grease-gun 18V Li-Ion, suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges AND - 500 g screw-neck cartridges (LS 500), for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge, AND adaptor for LS 500 style cartridge, and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Standard-S-LSP

34 280 13

Standard-Line
- 18 V Li-Ion Accu 1500 mAh
- Standard-charger 100-240V AC



Battery Operated Grease-Gun 18V Li-Ion Premium-Line

Description Images and specifications can be subject to change without notice

Part No.

Accu-Greaser 18 V Premium-S

Battery operated grease-gun 18V Li-Ion, **suitable for 400 g pull-off cartridges**, according to DIN 1284, item features:

- LCD battery level and LED overload indicator
- **Li-Ion battery 18V - 1500mAh**
- **multi purpose wide range input charger (12 -240 V/ 50-60 Hz)**, overload protected (charging time approx. 100% in 40 min. / 80% in 20 min.)
- max. delivery 115 ccm per min.
- grease barrel for 400 g pull-off cartridges or 500 ccm bulk grease
- filling-/ and air venting nipple
- high pressure safety rubber-hose (1.650 bar b.p.), length 750 mm incl. 4-jaw hydraulic safety-coupler R1/8"
- carry-along case with space for spare battery and spare cartridge

Accu-Greaser 18 V Premium-S

34 276 34

Accu-Greaser 18 V Premium-LS

Battery operated grease-gun 18V Li-Ion, **suitable for 400 g Lube-Shuttle® cartridge**, for item description please see above. Version comes with cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple (vacuum principle)

Accu-Greaser 18 V Premium-LS

34 277 33

Accu-Greaser 18 V Premium-SP

Battery operated grease-gun 18V Li-Ion, **suitable for LS 500 style screw-neck cartridges**, for item description please see above. Version with protection tube for 500 g screw-neck cartridges and plug instead of filling-/ air venting nipple (vacuum principle).

Accu-Greaser 18 V Premium-SP

34 278 32

Accu-Greaser 18 V Premium-S-LS

Battery operated grease-gun 18V Li-Ion, **suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges**, for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Premium-S-LS

34 279 31

Accu-Greaser 18 V Premium-S-LSP

Battery operated grease-gun 18V Li-Ion, **suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges AND - 500 g screw-neck cartridges (LS 500)**, for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge, AND adaptor for LS 500 style cartridge, and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Premium-S-LSP

34 280 44

Premium-Line
- 18 V Li-Ion Accu 1500 mAh
- Multi-charger 12-240 V



1500 mAh



Battery Operated Grease-Gun 18V Professional-Line

Description Images and specifications can be subject to change without notice

Part No.

Accu-Greaser 18 V Professional-S

Battery operated grease-gun 18V Li-Ion, **suitable for 400 g pull-off cartridges**, according to DIN 1284, item features:

- LCD battery level and LED overload indicator
- **Li-Ion battery 18V - 4000 mAh**
- **multi purpose wide range input charger (12 -240 V/ 50-60 Hz)**, overload protected (charging time approx. 100% in 100 min. / 80% in 50 min.)
- max. delivery 115 ccm per min.
- **12-24 V cord for vehicle power supply, shoulder strap**
- grease barrel for 400 g pull-off cartridges or 500 ccm bulk grease
- filling-/ and air venting nipple
- high pressure safety rubber-hose (1.650 bar b.p.), length 750 mm incl. 4-jaw hydraulic safety-coupler R1/8"
- carry-along case with space for spare battery and spare cartridge

Accu-Greaser 18 V Professional-S

34 276 65

Accu-Greaser 18 V Professional-LS

Battery operated grease-gun 18V Li-Ion, **suitable for 400 g Lube-Shuttle® cartridge**, for item description please see above. Version comes with cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple (vacuum principle)

Accu-Greaser 18 V Professional-LS

34 277 64

Accu-Greaser 18 V Professional-SP

Battery operated grease-gun 18V Li-Ion, **suitable for LS 500 style screw-neck cartridges**, for item description please see above. Version with protection tube for 500 g screw-neck cartridges and plug instead of filling-/ air venting nipple (vacuum principle).

Accu-Greaser 18 V Professional-SP

34 278 63

Accu-Greaser 18 V Professional-S-LS

Battery operated grease-gun 18V Li-Ion, **suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges**, for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Professional-S-LS

34 279 62

Accu-Greaser 18 V Professional-S-LSP

Battery operated grease-gun 18V Li-Ion, **suitable for - 400 g pull-off cartridges according to DIN 1284 AND - 400 g Lube-Shuttle® cartridges AND - 500 g screw-neck cartridges (LS 500)**, for item description see above. Version comes with grease barrel for 400 g pull-off cartridge AND cartridge protection tube for 400 g Lube-Shuttle® cartridge, AND adaptor for LS 500 style cartridge, and plug to replace filling-/ air venting nipple

The filling and venting nipple must be replaced by the plug when using screw-neck cartridges to make the vacuum principle work !

Accu-Greaser 18 V Professional-S-LSP

34 280 75

Professional-Line
- 18 V Li-Ion Accu 4000 mAh
- Multi-charger 12-240 V



4000 mAh



Accessories for Battery Operated Grease-Gun 18 V Li-Ion

Description

Images and specifications can be subject to change without notice

Part No.

Battery 1500 mAh for Accu-Greaser 18 V

High power **Li-Ion-Battery 18 V DC / 1.500 mAh**,
Charging time standard-charger: 1,0 h approx.
Charging time multi-charger: 0,5 h approx.



Battery Li-Ion 1500 mAh for Accu-Greaser 18 V

34 289 07

Battery 4000 mAh for Accu-Greaser 18 V

High power **Li-Ion battery 18 V DC / 4.000 mAh**,
Charging time standard-charger: 2,5 h approx.
Charging time multi-charger: 1,25 h approx.



Battery Li-Ion 4000 mAh for Accu-Greaser 18 V

34 290 10

Standard charger 100-240 V for Accu-Greaser 18V

Battery charger with overload protection for Accu-Greaser 18V
100-240 V AC, On/Off-LED monitoring bulb,
cable 1,8 m with EU flat-plug



Standard charger 100-240 V for Accu-Greaser 18V

34 288 08

Multi-Charger 12-240 V for Accu-Greaser 18V

Battery charger with overload protection for Accu-Greaser 18V,
input range 12-240 V, features 3 LED monitoring bulbs to indicate
charging status, 2 m cable for mains connection with 2-pin EU flat-
plug.

Item is equipped with additional port for 12/24 V supply cable for
mobile charging from vehicle power supply.
12/24V cable separately available.



Multi-Charger 12-240 V for Accu-Greaser 18V

34 288 60

12/24 V cable for multi-charger

12/24 V cable for Multi-Charger Accu-Greaser 18V
incl. plug for 12V socket.



12/24 V cable for Multi-Charger

34 299 04

High Pressure Rubber Hose

for Accu-Greaserr 18 V

High pressure safety hose ø 13mm,
burst pressure 1,650 bar (double steel wire braided)



RH-75 750mm thread R 1/8", without coupler

32 585 80

RH-75C 750mm thread R 1/8", with coupler

32 589 48

Carrying Strap for Accu-Greaser 18 V

Simple, fast and secure shoulder strap ensuring easy and
comfortable
operation of the battery driven grease gun



Carrying Strap for Accu-Greaser 18 V

34 259 99

mato



Grease Gun Couplers

Description	Part No.
-------------	----------

Hydraulic Safety-Coupler safeLOCK

Hydraulic safety-coupler safeLOCK

- with hardened 4-jaws made of tool steel
 - with high-performance hydraulic-gasket
 - with integrated linear-swivel
 - uncoupling at more than 600 bar is possible
 - no spurt / mess when uncoupling
 - outer diameter according to DIN 1283
- Hydraulic safety-coupler safeLOCK M10x1
Hydraulic safety-coupler safeLOCK R1/8"

10	32 455 04
	32 456 03

- Hydraulic safety-coupler safeLOCK M10x1
Hydraulic safety-coupler safeLOCK R1/8"

50	32 455 11
	32 456 10

Hydraulic Safety-Coupler safeLOCK-L

safeLOCK - L for grease fittings with difficult access, technical data as above, but with a shaft length of 81 mm

New

- Hydraulic Safety-Coupler safeLOCK-L M10x1
Hydraulic Safety-Coupler safeLOCK-L R1/8"

4	32 457 02
	32 458 01

MATO 4-Jaw Hydraulic Coupler

Heavy duty quality coupler, DIN 1283, for grease fittings DIN 71412, with machined and hardened jaws for optimal sealing and long lifetime, hexagon 15 mm

- 4-jaw hydraulic coupler, M10 x 1
4-jaw hydraulic coupler, R1/8"

20	32 438 07
	32 438 21

- 4-jaw hydraulic coupler, M10 x 1
4-jaw hydraulic coupler, R1/8"

100	32 438 14
	32 438 38

- 4-jaw hydraulic coupler, M10 x 1
4-jaw hydraulic coupler, R1/8"

250	32 438 45
	32 438 52

MATO 4-Jaw Hydraulic Coupler

with backlash Valve

High quality hydraulic coupler, DIN 1283, for use with grease fittings DIN 71412. Machined and hardened jaws for optimum leak proof operation, hexagon 15mm. **Integral backlash valve** permits high pressure performance, even with soft greases and oils of lower viscosity.

- 4-jaw hydraulic coupler with backlash valve, M10x1
4-jaw hydraulic coupler with backlash valve, R1/8"

32 440 02
32 440 40

MATO Hook-on Couplers f. Button Head Fittings

- Hook-on coupler SK-10M10 (M10 x 1 / 10 mm)
Hook-on coupler SK-10R8 (R1/8" / 10 mm)

32 410 01
32 410 25

- Hook-on coupler SK-16M10 (M10 x 1 / 16 mm)
Hook-on coupler SK-16R8 (R1/8" / 16 mm)

32 416 05
32 416 29

- Hook-on coupler SK-22M10 (M10 x 1 / 22 mm)
Hook-on coupler SK-22R8 (R1/8" / 22 mm)

32 422 06
32 422 20

MATO Grease Gun Couplers

- Conical coupler for D-Grease fittings, M10 x 1
Conical couplers for D-Grease fittings, R1/8"

32 400 42
32 400 28

- Pointed coupler, M10x1, 2-part **e.g. for Chainsaws**
Pointed coupler, R1/8", 2-part

32 400 80
32 400 66

- Universal coupler for K+H Grease fittings, M10 x 1
Universal coupler for K+H Grease fittings, R 1/8"

32 401 41
32 401 03

safeLOCK



Delivery Tubes and Injectors

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

Delivery Tubes with Snap-on Coupling

For safe connection of a grease applicator to our hydraulic safety-coupler safeLOCK or to a 4-jaw hydraulic connector by grease connector and sliding connector

Delivery tube with snap-on coupling F12 with universal connector	32 405 30
Delivery tube with snap-on coupling F14 with universal connector	32 405 54
Delivery tube with snap-on coupling F17 with hook-on connector SK 10	32 405 61
Delivery tube with snap-on coupling F15 with hook-on connector SK 16	32 405 78
Delivery tube with snap-on coupling F16 with hook-on connector SK 22	32 405 85
Delivery tube with snap-on coupling for driveshafts, tube Ø 8 mm	32 405 92



Lube Injector

For injection of oil or grease e.g. into bearings or oil seals

For coupling to our hydraulic safety-coupler safeLOCK or our Mato 4-jaw hydraulic connector

Lube Injector-S with grease fitting	32 408 20
Lube Injector-D with snap-on coupling	32 408 44



E4014 Angled Delivery Tube 150 mm with universal connector

Delivery tube with universal connector, thread M10 x 1	32 404 48
Delivery tube with universal connector, thread R1/8"	32 404 24



E4012 Angled Delivery Tube 150 mm with universal connector

Delivery tube with universal connector, thread M10 x 1	32 403 49
Delivery tube with universal connector, thread R1/8"	32 403 25



E4024 Angled Delivery Tube 150 mm with 4-jaw hydraulic connector

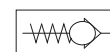
Delivery tube with 4-jaw hydraulic connector, thread M10 x 1	32 402 02
Delivery tube with 4-jaw hydraulic connector, thread R1/8"	32 402 19



Angled Delivery Tube 150 mm with non-return valve

Item prevents leakage of oil and grease with low viscosity

Delivery tube with 4-jaw hydraulic connector, thread M10x1	32 402 64
Delivery tube with 4-jaw hydraulic connector, thread R1/8"	32 402 71



Delivery Tube Straight 150 mm with 4-jaw hydraulic connector

Delivery tube with 4-jaw hydraulic connector, thread M10 x 1	32 406 46
Delivery tube with 4-jaw hydraulic connector, thread R1/8"	32 406 53



High Pressure Hoses

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

MATO High Pressure Nylon Hoses

Multiple braid, h.p. nylon hose \varnothing 9 mm, burst pressure 1.000 bar (14.450 psi), hex. end fittings for safe connection to grease gun
burst pressure 1.000 bar

PH-30 300 mm thread M10 x 1 DIN 1283	32 530 04
PH-30 300 mm thread R1/8"	32 530 11
PH-50 500 mm thread M10 x 1 DIN 1283	32 550 08
PH-50 500 mm thread R1/8"	32 550 15

1.000 bar
14.450 psi



MATO High Pressure Nylon Hoses with 4-jaw hydraulic connector

Nylon hose as seen above, but includes 4-jaw hydraulic coupler (machined and hardened jaws).

PH-30C 300 mm thread M10 x 1 DIN 1283	32 540 01
PH-30C 300 mm thread R1/8"	32 540 18
PH-50C 500 mm thread M10 x 1 DIN 1283	32 552 06
PH-50C 500 mm thread R1/8"	32 552 13

MATO High Pressure Rubber Hoses

High pressure safety rubber hose \varnothing 13 mm, burst pressure 1.650 bar (23.900 psi), steel wire reinforced, hexagonal end fittings for safe connection to grease gun

RH-30 300 mm thread M10 x 1 DIN 1283	32 560 05
RH-30 300 mm thread R1/8"	32 560 12
RH-50 500 mm thread M10 x 1 DIN 1283	32 570 02
RH-50 500 mm thread R1/8"	32 570 19
RH-100 1 m thread M10 x 1 DIN 1283	32 588 70
RH-100 1 m thread R1/8"	32 589 00

1.650 bar
23.900 psi



MATO High Pressure Rubber Hoses with 4-jaw hydraulic coupler

High pressure rubber hose \varnothing 13 mm as seen above, but includes 4-jaw hydraulic coupler (machined and hardened jaws).

RH-30C 300 mm thread M10x1 DIN 1283	32 562 03
RH-30C 300 mm thread R1/8"	32 562 10
RH-50C 500 mm thread M10x1 DIN 1283	32 580 09
RH-50C 500 mm thread R1/8"	32 580 16
RH-100C 1 m thread M10x1 DIN 1283	32 590 20
RH-100C 1 m thread R1/8"	32 590 44

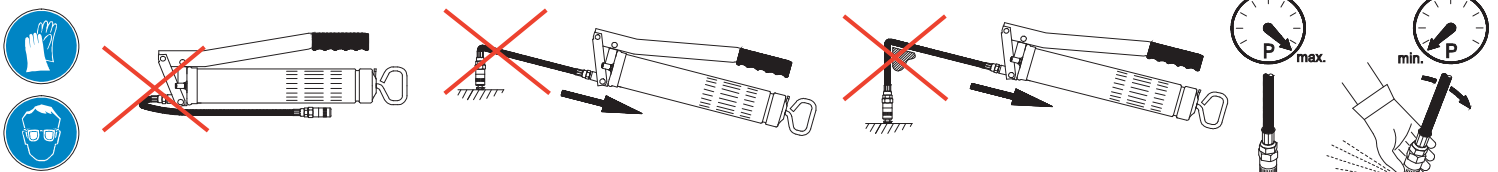
MATO High Pressure Rubber Hoses 300 mm with hook-on coupler for button head fittings

RH-30SK16 300 mm with hook-on coupler, SK-16 M10x1	32 566 78
RH-30SK16 300 mm with hook-on coupler, SK-16 R1/8"	32 566 92

MATO High Pressure Rubber Hose 300 mm with snap-on coupler and 4-jaw hydr. coupler

RH-30C with 4-jaw hydraulic coupler	32 540 49
-------------------------------------	------------------

Important Safety Advice:



Do never point parts which are under high pressure at individuals, animals or other objects !
 MATO quality lubrication equipment can reach hydraulic pressure rates of up to 1.000 bar (14.450 psi). For safety reasons we strongly recommend the use of our high pressure rubber hose assemblies (double steel wire reinforced) with a burst pressure of 1.650 bar (23.800 psi). Do not bend or twist hoses by force! The min. bend radius is 50 mm. Prior to use, check hoses carefully for traces of wear or leakage and replace items in case they appear damaged. Both nylon and rubber hoses are subject to the effects of ageing, replace hoses after a period of three years. Do never use pliers or pipe grips in the area of the end fitting, use spanners or wrenches of the correct size on the hexagonal end fittings only.

General advice: Use original MATO accessories to avoid unnecessary risks or injuries !

Lubrication Accessories

Description	Part No.
Images and specifications can be subject to change without notice	
MATO Swivel Joint	
Straight swivel, thread M10 x 1	32 425 10
Straight swivel, thread R1/8"	32 425 34
Angled Adaptor eco	
for 4-jaw hydraulic coupler	
For simple and secure conversion of direction of a 4-jaw hydraulic coupler to a 90 degree angle. Lubricate even in confined spaces.	
Angled adaptor eco, thread M10x1	32 450 09
Angled adaptor eco, thread R1/8"	32 450 30
Angled Adaptor deluxe with Straight Swivel	
for 4-jaw hydraulic coupler	
The straight swivel always warrants the correct working position of the 4-jaw hydraulic coupler.	
Angled adaptor deluxe, thread M10x1	32 451 08
Angled adaptor deluxe, thread R1/8"	32 451 46
MATO Filler Nipple / Air Venting Valve	
MATO - combined filler nipple / air venting valve and plug screw for side lever and one handgrease guns, Accu-Greaser and one-hand air operated grease gun	
MATO combined filler nipple/air venting valve ø 9mm DIN 1283	30 990 60
MATO conical filler nipple (Suisse type)	30 991 07
MATO giant filler nipple, ø 15 mm	30 992 06
Plug screw M10x1	30 991 21
Pressure Relief Valve for Grease Guns	
Ideal for use in confined spaces where disconnection of the grease gun coupler is difficult. After the relief valve is opened and the pressure is reduced, the 4-jaw hydraulic coupler can be detached from the grease fitting with ease	
- safe method of disconnection from the grease fitting	
- extended lifetime for the 4-jaw hydraulic coupler	
Pressure relief valve, thread M10x1	32 453 20
Pressure relief valve, thread R1/8"	32 453 44
Flow Indicator for Grease Guns	
For easy, safe and reliable monitoring of the grease flow. An internal magnet, driven forward by the grease flow, moves a steel indicator-ball to show grease movement.	
Please note the flow direction!	
Flow indicator for grease guns, thread M10x1	35 416 68
Flow indicator for grease guns, thread R1/8"	35 416 82
MATO Spring for one hand grease gun	
Spring for one-hand grease guns TG 500, TG Lube-Shuttle® and LS-TG 500	
Spring for TG500 und TG Lube-Shuttle®	30 920 16
Fixing Clip for Grease Guns	
Fixing clip for grease guns and other devices with a tube of 56 mm dia.	
Suitable for universal attachment to the workplace.	
Fixing Clip for Grease Guns	32 460 75
Fixing Clip for Grease Guns with Magnetic Bracket	
Fixing clip for grease guns with magnetic bracket (permanent magnet) for grease guns and other devices with a tube diameter of 56 mm.	
Suitable for universal attachment on magnetic surfaces	
Fixing Clip for Grease Guns with magnetic bracket	32 460 44



Push Type Guns for Grease or Oil

Description

Images and specifications can be subject to change without notice

Part No.

High Pressure Push Type Grease Guns

High pressure push type grease guns, compact size, supplied **with universal and conical couplers**, red protection cap.

PT 40C-2 black powder coated, **with telescopic tube**

PG 150-2 black powder coated, **with rigid tube**

	PT 40	PG 150
Capacity ccm:	40	150
Max. press. bar/psi:	100	150
Ø approx. mm:	32	40
Length mm:	180/230	240
	260	250

High pressure push type gun PT 40C-2, 40 ccm, thread M10x1 **32 604 08**

High pressure push type gun PG 150-2, 150 ccm, thread M10x1 **32 615 66**



High Pressure Push Gun for Oil/Fluid Grease

Special push type gun for oil, petroleum, aerosols and oil containing additives, black powder coated with rigid tube and piston, pressure capability to 150 bar (2.200 psi).

Output 0.5 ccm per stroke with universal and conical coupler with yellow protection cap

Technical specification see **PG 150-2**

Push type gun PO 150-2 for oil, 150 ccm, M10x1 **32 615 80**



High Pressure Push Type Grease Guns

High pressure push type grease guns, compact size, supplied **with universal and conical coupler**, red protection cap **and telescopic tube**

	PT 80	PT 150	PT 300
Capacity ccm:	80	150	300
Max. press. bar/psi:	200	200	200
Ø approx. mm:	37	37	47
Length mm:	150/220	220/350	260/430
Weight g:	290	420	605

Thread: M10x1

High pressure push type grease gun PT 80 -2, M10x1 **32 608 04**

High pressure push type grease gun PT 150 -2, M10x1 **32 615 04**

High pressure push type grease gun PT 300 -2, M10x1 **32 630 03**



Filler Unit for Push Type Grease Guns "PT"

Filler unit for series of push type guns "PT" (with telescopic tube) suitable for use with MATO grease filler pump "eco-FILL"



Filler unit for push type grease guns "PT" **32 650 07**

Push Type Grease Gun, Drip Feed Lubricator

Description

Images and specifications can be subject to change without notice

Part No.

Push Type Grease Guns PT65 mm

Push-type grease gun PT 65, **with telescopic extension pipe**,
incl. 1 x 50 g grease bag, packed in plastic bag with headcard.

body made of synthetic material, diameter 31 mm,
black screw cap,
filling volume max. 65 ccm,
pressure ratio 50 bar,
yield per stroke approx. 0,5 ccm
max extension 210 – 300 mm
incl. M10 x 1 universal and pointed coupler with seal-cap



Push type grease gun PT65 plastic incl. 50 g grease bag

32 605 07

Grease Bag 50 g MULTI basic 2M

Lithium multi- purpose grease , mineral oil base, for universal application. Includes anti-oxidants and corrosion inhibitors, and polymers to improve adhesion.

Basic data:

Base viscosity: 110 mm² / s (40°C)
Temperature range: -30 to +120°C (short term to +130°C)
According to DIN 51502: K2K-30 NLGI Class : 2

Offers good corrosion protection, resistance to oxidation,
high mechanical stability and high pressure capabilities.



Grease bag 50 g MULTI basic 2M

31 004 38

Drip Feed Lubricator "Unikum"

Adjustable drip rate, with shut-off valve.
Reservoirs in plexiglas (types 1-6) and glass (types 7-9)

Replacement reservoirs available upon request



Size 1	1/4"	20 ccm, reservoir diameter	32 mm	32 700 18
Size 2	1/4"	38 ccm, reservoir diameter	40 mm	32 700 25
Size 3	3/8"	70 ccm, reservoir diameter	50 mm	32 700 32
Size 4	3/8"	125 ccm, reservoir diameter	60 mm	32 700 49
Size 5	1/2"	200 ccm, reservoir diameter	70 mm	32 700 56
Size 6	1/2"	315 ccm, reservoir diameter	80 mm	32 700 63
Size 7	3/4"	450 ccm, reservoir diameter	90 mm	32 700 70
Size 8	3/4"	750 ccm, reservoir diameter	100 mm	32 700 87
Size 9	3/4"	1000 ccm, reservoir diameter	120 mm	32 700 94

Lubrication Accessories in PoS-Design Retail Packaging

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

MATO High Pressure Nylon Hoses

Multiple braid, h.p. nylon hose \varnothing 9 mm, burst pressure 1.000 bar (14.450 psi), hex. end fittings for safe connection to grease gun
burst pressure 1.000 bar



PoS-design retail package with paper-headcard

PH-30 300 mm thread M10 x 1 DIN 1283	32 531 03
PH-30 300 mm thread R1/8"	32 531 27



MATO High Pressure Nylon Hoses

with 4-jaw hydraulic coupler

Nylon hose as seen above, but includes 4-jaw hydraulic coupler (machined and hardened jaws).



PH-30C 300 mm thread M10 x 1 DIN 1283	32 542 16
PH-30C 300 mm thread R1/8"	32 542 30

MATO High Pressure Rubber Hoses

High pressure safety rubber hose \varnothing 13 mm, burst pressure 1.650 bar (23.900 psi), steel wire reinforced, hexagonal end fittings for safe connection to grease gun



PoS-design retail package with paper-headcard

RH-30 300 mm thread M10 x 1 DIN 1283	32 565 31
RH-30 300 mm thread R1/8"	32 565 48



MATO High Pressure Rubber Hoses

with 4-jaw hydraulic coupler

High pressure rubber hose \varnothing 13 mm as seen above, but includes 4-jaw hydraulic coupler (machined and hardened jaws).



RH-30C 300 mm thread M10x1 DIN 1283	32 565 79
RH-30C 300 mm thread R1/8"	32 565 86



Grease Gun Accessories Set, 5 pcs.

Includes:
 high pressure nylon hose PH-30,
 safety rubber hose RH-30,
 4-jaw hydraulic coupler,
 angled delivery tube 150 mm,
 universal coupler for H- und K-Grease fittings,
 pointed coupler for D-fittings

Grease gun accessories set with PH-30C, thread M10x1	32 600 40
Grease gun accessories set with PH-30C, thread R1/8"	32 600 64
Grease gun accessories set with RH-30C, thread M10x1	32 601 49
Grease gun accessories set with RH-30C, thread R1/8"	32 601 63

E4024 Angled Delivery Tube 150 mm

with 4-jaw hydraulic connector

PoS-design retail package with paper-headcard



Delivery tube with 4-jaw hydraulic connector, thread M10 x 1	32 426 02
Delivery tube with 4-jaw hydraulic connector, thread R1/8"	32 426 26

Delivery Tube, Straight 150 mm

with 4-jaw hydraulic connector

PoS-design retail package with paper-headcard



Delivery tube with 4-jaw hydraulic connector, thread M10 x 1	32 427 01
Delivery tube with 4-jaw hydraulic connector, thread R1/8"	32 427 25



Lubrication Accessories in PoS-Design Retail Packaging

Description	Images and specifications can be subject to change without notice	Part No.
-------------	---	----------

MATO 4-Jaw Hydraulic Coupler

Heavy duty quality coupler, DIN 1283, for grease fittings
DIN 71412, with machined and hardened jaws for optimal
sealing and long lifetime, hexagon 15 mm

PoS-design retail blister-pack



4-jaw hydraulic coupler-set, 2 pcs, M10 x 1	32 443 23
4-jaw hydraulic coupler-set, 2 pcs, R1/8"	32 443 30

MATO Hook-on Couplers f. Button Head Fittings

Hook-on couplers made of steel with metallic seal
for maximum load and durability

PoS-design retail blister-pack



Hook-on coupler-set, 2 pcs, SK-10M10 (M10 x 1 / 10 mm)	32 410 18
Hook-on coupler-set, 2 pcs, SK-10R8 (R1/8" / 10 mm)	32 410 32
Hook-on coupler-set, 2 pcs, SK-16M10 (M10 x 1 / 16 mm)	32 416 12
Hook-on coupler-set, 2 pcs, SK-16R8 (R1/8" / 16 mm)	32 416 43

MATO Grease Gun Couplers

PoS-design retail blister-pack



Conical coupler-set, 2 pcs, for D-Grease fittings, M10 x 1	32 400 35
Conical couplers-set, 2 pcs, for D-Grease fittings, R1/8"	32 400 11
Pointed coupler-set, 2 pcs, M10x1	32 399 09
Pointed coupler-set, 2 pcs, R1/8"	32 399 23
Universal coupler-set, 2 pcs, for K+H Grease fittings, M10 x 1	32 398 00
Universal coupler-set, 2 pcs, for K+H Grease fittings, R 1/8"	32 398 24

MATO Grease Gun Coupler Set, 4 pcs

Grease Gun Coupler Set includes:

- 4-Jaw Hydraulic Coupler
- Conical coupler
- Pointed coupler
- Universal coupler

PoS-design retail blister-pack



Grease Gun Coupler Set, 4 pcs M10x1	32 448 04
Grease Gun Coupler Set, 4 pcs R1/8"	32 448 28

Grease Nipples in Blister Pack, Stainless Steel Grease Nipples

Description	Images and specifications can be subject to change without notice		Part No.
Hydraulic Grease Nipples DIN 71412A			MPQ
Quality steel, zinc plated, surface hardened, passivated, packed in sturdy blister pack.			
H 1 M 6	AF 7	10	32 800 55
H 1 M 8 x 1	AF 9	10	32 800 93
H 1 M 8 x 1,25	AF 9	10	32 801 16
H 1 M 10 x 1	AF 11	10	32 801 30
H 1 M 10 x 1,5	AF 11	10	32 801 78
H 1 R 1/8"	AF 11	10	32 800 79
H 1 R 1/4"	AF 14	5	32 801 54

Hydraulic Grease Nipples DIN 71412B			
H 2 M 6	AF 9	10	32 820 66
H 2 M 8 x 1	AF 9	10	32 820 80
H 2 M 8 x 1,25	AF 9	10	32 821 27
H 2 M 10 x 1	AF 11	10	32 821 58
H 2 M 10 x 1,5	AF 11	10	32 821 72
H 2 R 1/8"	AF 11	10	32 821 65
H 2 R 1/4"	AF 14	5	32 821 96

Hydraulic Grease Nipples DIN 71412C			
H 3 M 6	AF 9	10	32 835 99
H 3 M 8 x 1	AF 9	10	32 839 33
H 3 M 8 x 1,25	AF 9	10	32 839 95
H 3 M 10 x 1	AF 11	10	32 830 32
H 3 M 10 x 1,5	AF 11	10	32 839 57
H 3 R 1/8"	AF 11	10	32 839 88
H 3 R 1/4"	AF 14	5	32 840 08

Button-Head Grease Nipple M DIN 3404			
M 1 M 8 x 1	AF 17	head-Ø 16 mm	5 32 848 00
M 1 M 10 x 1	AF 17	head-Ø 16 mm	5 32 840 39
M 1 R 1/8"	AF 17	head-Ø 16 mm	5 32 848 86
M 1 R 1/4"	AF 17	head-Ø 16 mm	5 32 849 09
M 4 M 8 x 1	AF 11	head-Ø 10 mm	5 32 848 79
M 4 M 10 x 1	AF 11	head-Ø 10 mm	5 32 840 46

Plastic Covers for Grease Nipples			
Plastic covers for grease nipples according to DIN 71412			
Plastic covers red for grease nipples	100		32 861 25
Plastic covers yellow for grease nipples	100		32 861 01

Grease Nipple Selection MINI			
Selection MINI contains 90 pcs. grease nipples, composed of:			
H1	20 x M6x1 / 20 x M8x1 / 20 x M10x1		
H2	10 x M6x1 / 10 x M8x1 / 10 x M10x1		
Grease nipple selection MINI	1		32 800 31

Grease Nipple Selection MIDI			
Selection MIDI contains 130 pcs. grease nipples, composed of:			
H1	10 x M6x1 / 20 x M8x1 / 20 x R1/8" / 20 x M10x1 / 5 x R1/4" / 10 x H1a 6mm / 10 x H1a 8mm		
H2	2 x M8x1 / 5 x M10x1 / 5 x R1/8" / 5 x R1/4"		
H3	3 x M8x1 / 5 x M10x1 / 5 x R1/8" / 5 x R1/4"		
Grease nipple selection MIDI	1		32 800 00

Grease Nipple Selection MAXI			
Selection MAXI contains 440 pcs. grease nipples, composed of:			
H1	80 x M6x1 / 50 x M8x1 / 40 x M10x1 / 40 x R1/8" / 10 x R1/4"		
H2	30 x M6x1 / 30 x M8x1 / 20 x M10x1 / 20 x R1/8" / 10 x R1/4"		
H3	25 x M6x1 / 25 x M8x1 / 20 x M10x1 / 20 x R1/8" / 10 x R1/4"		
M1	10 x M10x1		
Grease nipple selection MAXI	1		32 800 24

Hydraulic grease nipples, zinc plated and surface hardened



Stainless Steel Hydraulic Grease Nipples

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

Stainless Steel Hydraulic Grease Nipples MPQ

DIN 71412A

In **small size** packaging

Material body: 1.4305 / AISI 303 / V2A

H 1 M 6	AF 7	20	32 817 00
H 1 M 8 x 1	AF 9	10	32 819 08
H 1 M 8 x 1,25	AF 9	10	32 819 46
H 1 M 10 x 1	AF11	10	32 812 05
H 1 R 1/8"	AF11	10	32 819 77
H 1 R 1/4"	AF14	5	32 814 96

Stainless Steel Hydraulic Grease Nipples

DIN 71412B

In **small size** packaging

Material body: 1.4305 / AISI 303 / V2A

H 2 M 6	AF 9	20	32 827 07
H 2 M 8 x 1	AF 9	10	32 829 05
H 2 M 10 x 1	AF11	10	32 821 03
H 2 R 1/8"	AF11	10	32 829 67
H 2 R 1/4"	AF14	5	32 825 09

Stainless Steel Hydraulic Grease Nipples

DIN 71412C

In **small size** packaging

Material body: 1.4305 / AISI 303 / V2A

H 3 M 6	AF 9	20	32 837 04
H 3 M 8 x 1	AF 9	10	32 839 02
H 3 M 10 x 1	AF11	10	32 831 00
H 3 R 1/8"	AF11	10	32 839 64
H 3 R 1/4"	AF14	5	32 835 06

Stainless Steel Hydraulic Grease Nipples

DIN 71412A

In **bulk size** packaging

Material body: 1.4305 / AISI 303 / V2A"

H 1 M 6	AF 7	1.000	32 817 17
H 1 M 8 x 1	AF 9	250	32 819 15
H 1 M 8 x 1,25	AF 9	250	32 819 39
H 1 M 10 x 1	AF11	200	32 812 12
H 1 R 1/8"	AF11	200	32 819 84
H 1 R 1/4"	AF14	100	32 815 19

Stainless Steel Hydraulic Grease Nipples

DIN 71412B

In **bulk size** packaging

Material body: 1.4305 / AISI 303 / V2A

H 2 M 6	AF 9	200	32 827 14
H 2 M 8 x 1	AF 9	125	32 829 12
H 2 M 10 x 1	AF11	100	32 821 10
H 2 R 1/8"	AF11	100	32 829 74
H 2 R 1/4"	AF14	50	32 825 16

Stainless Steel Hydraulic Grease Nipples

DIN 71412C

In **bulk size** packaging

Material body: 1.4305 / AISI 303 / V2A

H 3 M 6	AF 9	200	32 837 11
H 3 M 8 x 1	AF 9	125	32 839 19
H 3 M 10 x 1	AF11	100	32 831 17
H 3 R 1/8"	AF11	100	32 839 71
H 3 R 1/4"	AF14	50	32 835 13

Stainless Steel Nipples
1.4305 / AISI 303 / V2A















Grease Nipples in Small Pack Quantities

Description	Images and specifications can be subject to change without notice		Part No.
-------------	---	--	----------











Hydraulic Grease Nipples DIN 71412A MPQ

Quality steel, surface hardened, galvanized and passivated.











The self tapping versions are yellow chromated, according to DIN.

H 1 M 6		AF 7	200	32 816 01
H 1 M 8 x 1		AF 9	100	32 818 09
H 1 M 8 x 1,25		AF 9	100	32 818 23
H 1 M 10 x 1		AF11	100	32 811 06
H 1 M 10 x 1,5		AF11	100	32 817 48
H 1 R 1/8"		AF11	100	32 818 61
H 1 R 1/4"		AF14	100	32 814 03
H 1 SFG 6 x 1		AF 7 self tapp.thread	200	32 816 56
H 1 SFG 8 x 1		AF 9 self tapp.thread	100	32 818 47
H 1 SFG 10 x 1		AF11 self tapp.thread	100	32 811 20
H 1a 6 mm		drive fit	200	32 816 87
H 1a 8 mm		drive fit	100	32 818 85











Hydraulic Grease Nipples DIN 71412B

H 2 M 6		AF 9	100	32 826 08
H 2 M 8 x 1		AF 9	100	32 828 06
H 2 M 8 x 1,25		AF 9	100	32 828 20
H 2 M 10 x 1		AF11	100	32 820 04
H 2 M 10 x 1,5		AF11	100	32 827 45
H 2 R 1/8"		AF11	100	32 828 68
H 2 R 1/4"		AF14	50	32 824 00
H 2 SFG 6 x 1		AF 9 self tapp.thread	100	32 826 53
H 2a 6 mm		AF 9 drive fit	100	32 826 84
H 2a 8 mm		AF 9 drive fit	100	32 828 82







Hydraulic Grease Nipples DIN 71412C

H 3 M 6		AF 9	100	32 836 05
H 3 M 8 x 1		AF 9	100	32 838 03
H 3 M 8 x 1,25		AF 9	100	32 838 27
H 3 M 10 x 1		AF11	100	32 830 01
H 3 M 10 x 1,5		AF11	100	32 837 42
H 3 R 1/8"		AF11	100	32 838 65
H 3 R 1/4"		AF14	50	32 834 07
H 3 SFG 6 x 1		AF 9 self tapp.thread	100	32 836 50
H 3a 6 mm		AF 9 drive fit	100	32 836 81
H 3a 8 mm		AF 9 drive fit	100	32 838 89

Button-Head Grease Nipple M DIN 3404

M 1 M 6 x 1		AF17 head-Ø 16 mm	50	32 847 25
M 1 M 8 x 1		AF17 head-Ø 16 mm	50	32 848 17
M 1 M 10 x 1		AF17 head-Ø 16 mm	50	32 840 15
M 1 R 1/8"		AF17 head-Ø 16 mm	50	32 848 31
M 1 R 1/4"		AF17 head-Ø 16 mm	50	32 844 04
M 4 M 8 x 1		AF11 head-Ø 16 mm	100	32 848 55
M 4 M 10 x 1		AF11 head-Ø 16 mm	100	32 840 53
M 22 M 16 x 1,5		AF22 head-Ø 16 mm	50	32 841 07
M 22 R 1/4"		AF22 head-Ø 16 mm	50	32 841 21
M 22 R 3/8"		AF22 head-Ø 16 mm	50	32 841 45

Flush Type Grease Nipple D DIN 3405

D 1 M 6		AF 7	200	32 856 09
D 1 M 8x1		AF 9	100	32 858 08
D 1 M 10 x 1		AF11	100	32 850 12
D 1 R 1/8"		AF11	100	32 858 21
D 1a 6 mm		drive fit	200	32 856 47
D 1a 8 mm		drive fit	100	32 858 45















Grease Nipples in Bulk Pack Quantities

Description	Images and specifications can be subject to change without notice	Part No.
-------------	---	----------











Hydraulic Grease Nipples DIN 71412A MPQ

Quality steel, surface hardened, galvanized and passivated.











The self tapping versions are yellow chromated, according to DIN.

H 1 M 6		AF 7		5000	32 816 18
H 1 M 8 x 1		AF 9		3000	32 818 16
H 1 M 8 x 1,25		AF 9		3000	32 818 30
H 1 M 10 x 1		AF11		2000	32 811 13
H 1 M 10 x 1,5		AF11		1000	32 811 75
H 1 R 1/8"		AF11		2000	32 818 78
H 1 R 1/4"		AF14		1000	32 814 10
H 1 SFG 6 x 1		AF 7	self tapp.thread	5000	32 816 63
H 1 SFG 8 x 1		AF 9	self tapp.thread	3000	32 818 54
H 1 SFG 10 x 1		AF11	self tapp.thread	2000	32 811 37
H 1a 6 mm			drive fit	5000	32 816 94
H 1a 8 mm			drive fit	3000	32 818 92











Hydraulic Grease Nipples DIN 71412B

H 2 M 6		AF 9		2000	32 826 15
H 2 M 8 x 1		AF 9		2000	32 828 13
H 2 M 8 x 1,25		AF 9		2000	32 828 37
H 2 M 10 x 1		AF11		500	32 820 11
H 2 M 10 x 1,5		AF11		500	32 820 28
H 2 R 1/8"		AF11		500	32 828 75
H 2 R 1/4"		AF14		300	32 824 17
H 2 SFG 6 x 1		AF 9	self tapp.thread	1500	32 826 60
H 2a 6 mm		AF 9	drive fit	1500	32 826 91
H 2a 8 mm		AF 9	drive fit	1500	32 828 99







Hydraulic Grease Nipples DIN 71412C

H 3 M 6		AF 9		2000	32 836 12
H 3 M 8 x 1		AF 9		2000	32 838 10
H 3 M 8 x 1,25		AF 9		2000	32 838 34
H 3 M 10 x 1		AF11		500	32 830 18
H 3 M 10 x 1,5		AF11		500	32 830 25
H 3 R 1/8"		AF11		500	32 838 72
H 3 R 1/4"		AF14		300	32 834 14
H 3 SFG 6 x 1		AF 9	self tapp.thread	1500	32 836 67
H 3a 6 mm		AF 9	drive fit	1500	32 836 98
H 3a 8 mm		AF 9	drive fit	1500	32 838 96

Button-Head Grease Nipple M DIN 3404

M 1 M 6 x 1		AF17	head-Ø 16 mm	500	32 847 32
M 1 M 8 x 1		AF17	head-Ø 16 mm	500	32 848 24
M 1 M 10 x 1		AF17	head-Ø 16 mm	500	32 840 22
M 1 R 1/8"		AF17	head-Ø 16 mm	500	32 848 48
M 1 R 1/4"		AF17	head-Ø 16 mm	500	32 844 11
M 4 M 8 x 1		AF11	head-Ø 10 mm	2000	32 848 62
M 4 M 10 x 1		AF11	head-Ø 10 mm	500	32 840 60
M 22 M 16 x 1,5		AF22	head-Ø 22 mm	1000	32 841 14
M 22 R 1/4"		AF22	head-Ø 22 mm	1000	32 841 38
M 22 R 3/8"		AF22	head-Ø 22 mm	1000	32 841 52

Flush Type Grease Nipple D DIN 3405

D 1 M 6		AF 7		500	32 856 16
D 1 M 8x1		AF 9		500	32 858 14
D 1 M 10 x 1		AF11		500	32 850 29
D 1 R 1/8"		AF11		500	32 858 38
D 1a 6 mm			drive fit	1000	32 856 54
D 1a 8 mm			drive fit	500	32 858 52



mato



Metal Oil Cans, Premium Oilers, Fluid Atomizers

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

Metal Oil Cans with Rigid and Flexible Spout with metal pump mechanism

Steel body, red paint finish, brass pump mechanism, exchangeable spouts (rigid and flexible)



Metal oil can, approx. 300 ccm (flexible and rigid spout)	33 024 50
Metal oil can, approx. 500 ccm (flexible and rigid spout)	33 045 60

PREMIUM Oiler HDPE

with Swivel Suction Pipe

High-grade oiler for professional use in all maintenance and service areas, containers made of HDPE

Newly developed, high-quality nickel-plated double pump mechanism with angled, rotating swivel. Oiling is possible in **any position**.



PREMIUM oiler HDPE 300 ccm	33 080 70
PREMIUM oiler HDPE 500 ccm	33 081 00



PREMIUM Oiler Aluminium

with Swivel Suction Pipe

High-grade oiler for professional use in all maintenance and service areas, containers made of Aluminium

Newly developed, high-quality nickel-plated double pump mechanism with angled, rotating swivel. Oiling is possible in **any position**.



PREMIUM oiler aluminium 300 ccm	33 090 60
PREMIUM oiler aluminium 500 ccm	33 091 07



PREMIUM Fluid Atomizer HDPE

with Swivel Suction Pipe

High-grade atomizer for professional use in all maintenance and service areas, containers made of HDPE

Newly developed, high-quality nickel-plated double pump mechanism with angled, rotating swivel. Atomizing thin oils, petroleum and other fluids is possible in **any position**.



PREMIUM fluid atomizer HDPE 300 ccm	33 084 45
PREMIUM fluid atomizer HDPE 500 ccm	33 085 06



PREMIUM Fluid Atomizer Aluminium

with Swivel Suction Pipe

High-grade atomizer for professional use in all maintenance and service areas, containers made of aluminium

Newly developed, high-quality nickel-plated double pump mechanism with angled, rotating swivel. Atomizing thin oils, petroleum and other fluids is possible in **any position**.



PREMIUM fluid atomizer aluminium 300 ccm	33 094 28
PREMIUM fluid atomizer aluminium 500 ccm	33 095 03



Pump Sprayer, Plastic-Oil Measures and Oilers

Description

Images and specifications can be subject to change without notice

Part No.

Pump Sprayer 750 ml

Made of polythene, suitable for various chemicals, i.e. detergents, solvents and cleaning agents, spray head with adjustable and lockable nozzle

Pump sprayer 750 ml with plastic nozzle

33 096 40

Pump sprayer 750 ml with brass nozzle

33 098 17

Industrial Pump Sprayer

Industrial pump sprayer made of polythene with pressure relief valve, suitable for various chemicals e.g. detergents, solvents and cleaning agents, spray head with adjustable and lockable brass nozzle, equipped with **VITON seals**.

Industrial pump sprayer 1 litre

33 098 00

Industrial pump sprayer 2 litre

33 098 48

Oil Spray Can

Transparent polythene container (SK-PE)

Type SK-PE 125 with cap

capacity: 125 ccm

33 412 51

Type SK-PE 250 with cap

capacity: 250 ccm

33 425 00

Type SK-PE 250 with cap

capacity: 250 ccm

33 450 06

Oil Dispenser

Transparent oiler made of polyethylene

Mini oiler 75 ccm with spout and cap

33 410 08

Plastic oiler 250 ccm with spout and cap

33 410 77

Mini oiler 75 ccm with brass outlet and pipe

33 410 22

Universal Sprayer

Spray flask for various fluids, e.g. distilled water, made of polyethylene, angled plastic spout

Universal sprayer UNI-PE 500 500 ccm

33 405 20



Plastic-Oil Measures, Jugs and Funnels

Description Images and specifications can be subject to change without notice **Part No.**

Plastic Oil Measuring Jug, Graduated **MPQ**

Transparent polypropylene with handle spout and scale in ml.

Pack quantities (MPQ) subject to change without notice.

Typ J-PP 25	0,25 litre	24	33 300 64
Typ J-PP 50	0,50 litre	24	33 300 02
Typ J-PP 100	1,00 litre	15	33 300 19
Typ J-PP 200	2,00 litre	7	33 300 26
Typ J-PP 300	3,00 litre	5	33 300 33
Typ J-PP 500	5,00 litre	8	33 300 57



Plastic Oil Measuring Jugs Set

Plastic oil measuring jugs set, type J-PP packed in sealed plastic bag

Type J-PP 0,5 + 1,0 + 2,0 litre in sealed plastic bag	12	33 300 71
Type J-PP 1,0 + 2,0 + 5,0 litre in sealed plastic bag	8	33 300 88



Polythene Oil Measure

with dust protection lid and flexible spout

Made of high grade polythene, white, heavy duty with dust protection screw cap and flexible, removeable spout with cap.

Fluids are protected against the ingress of pollutants and the cap prevents drips or spillages.

Typ J-PE 1000	1,00 litre	5	33 200 10
Typ J-PE 2000	2,00 litre	6	33 200 27
Typ J-PE 5000	5,00 litre	4	33 200 58



Polythene Oil Measure Set

with dust protection lid and flexible spout

Plastic oil measuring set, type J-PE, 1,0 + 2,0 + 5,0 litre,

packed in sealed plastic bag and cardboard box.

Polythene oil measure set Typ J-PE	1	33 200 72
------------------------------------	---	------------------



Plastic Funnel with Strainer

Plastic funnel made of heavy duty polythene

with screw-on flexible spout

Plastic funnel F-HDPE 190	6	33 518 09
Plastic funnel F-HDPE 240	4	33 522 02



Flexible Spout

Flexible spout for PE-oil-measure type J-PE and for plastic funnel with strainer type F-HDPE

Flexible spout for type J-PE 1000+2000 and type F-HDPE 190	1	33 201 02
Flexible spout for type J-PE 5000 and type F-HDPE 240	1	33 201 26



Plastic Funnels

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

Plastic Funnel without Strainer MPQ

Standard range with all popular sizes for use in all industries.
Material: PP

Plastic funnel F-PP 75	ø 75 mm	10	33 507 03
Plastic funnel F-PP 160	ø 160 mm	10	33 516 01
Plastic funnel F-PP 235	ø 235 mm	6	33 524 00

Plastic Funnel with Strainer

Item as described above, with removable strainer.

Plastic funnel FS-PP 160 with strainer	ø 160 mm	10	33 516 18
Plastic funnel FS-PP 235 with strainer	ø 235 mm	6	33 524 17

Plastic Funnel Set

Plastic funnel set F-PP, oil, petrol and acid-resistant with suspension eye.

A 6-piece set includes one removable strainer for a Ø 160 mm funnel

Funnel set F-PP-Set 3	ø 75/160/235 mm	5	33 512 36
Funnel set F-PP-Set 5	ø 50/75/100/120/150 mm	10	33 513 04
Funnel set F-PP-Set 6	ø 50/75/100/120/150/160 mm	10	33 513 11

Plastic Funnel with Detachable Spout

Plastic Funnel, red, with strainer and flexible screw-on detachable spout.

Plastic funnel FS-PP-F160 (ø 160 mm), with spout	10	33 516 70
Plastic funnel FS-PP-F235 (ø 235 mm), with spout	6	33 523 01

Flexible Spout for Plastic Funnel

Flexible spout for plastic funnel

Flexible spout for plastic funnel FS-PP-F160	10	33 535 44
Flexible spout for plastic funnel FS-PP-F235	10	33 535 82

Oil Can Funnel

Useful oil can funnel with ø 115 mm, made of polyethylene

Oil can funnel F-OC with ø 115 mm	10	33 516 94
-----------------------------------	----	------------------

Plastic Funnel with Flap Lid

Plastic funnel with stainless steel strainer and lockable flap lid.
Suitable for waste oil and chemical disposal
Material: PP
Diameter: 250 mm

Thread: R2" and 2" TriSure, male

Funnel FSC-PP-250 (ø 250 mm) with flap lid	1	33 517 00
--	---	------------------



Tin Plate Oil Measures and Funnels

Description

Images and specifications can be subject to change without notice

Part No.

Tin Plate Oil Measure, Graduated

High quality tin plate oil measure, sturdy design, with anti-surge top and funnel-shaped spout, graduated.

"only for lubricating oils"

Type FM-T 500	0,5 litre	33 105 09
Type FM-T 1000	1,0 litre	33 110 01
Type FM-T 2000	2,0 litre	33 120 08

Tin Plate Oil Measure, Graduated

with flexible spout

High quality tin plate oil measure, sturdy design, with anti-surge top and flexible spout, graduated.

"only for lubricating oils"

Type FMF-T 1000	1,0 litre	33 110 25
Type FMF-T 2000	2,0 litre	33 120 22

Oil Measuring Jug, Graduated

High quality oil measuring jug, sturdy design, with anti-surge top and funnel-shaped spout, graduated.

"only for lubricating oils"

Type FM-ZP 5000	5,0 litre	33 150 30
Type FM-ZP 10000	10,0 litre	33 151 08

Tin Plate Funnel with Strainer

and rigid, straight outlet

High quality tin plate funnel with strainer 0,7 mm, handle and removable, straight outlet

Tin plate funnel F-T 160 with strainer, ø 160 mm	33 616 00
Tin plate funnel F-T 200 with strainer, ø 200 mm	33 617 09
Tin plate funnel F-T 240 with strainer, ø 240 mm	33 618 08

Tin Plate Funnel with Strainer

and flexible, straight outlet

High quality tin plate funnel with strainer 0,7 mm, handle and removable, flexible outlet.

Tin plate funnel F-T 160 with strainer, ø 160 mm	33 616 24
Tin plate funnel F-T 200 with strainer, ø 200 mm	33 617 16
Tin plate funnel F-T 240 with strainer, ø 240 mm	33 618 15

Tin Plate Funnel with Strainer

and flexible, angled spout

High quality tin plate funnel with strainer 0,7 mm, handle and removable, flexible and angled outlet.

Tin plate funnel FA-T 160 with strainer, ø 160 mm	33 616 48
Tin plate funnel FA-T 200 with strainer, ø 200 mm	33 617 23
Tin plate funnel FA-T 240 with strainer, ø 240 mm	33 618 22

Tin Plate Funnel Spare Strainer for Petrol

Spare strainer with 0,25 mm mesh size and clamping ring, ideally suited for fuels such as diesel and gasoline.

Tin plate funnel spare strainer for petrol	33 699 03
--	------------------



mato



Manual Filler Pumps for Grease Guns and Accessories

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

Grease Gun Filler Pump ecoFILL-standard

Grease transfer pump includes a standard pail/drum lid (three radial thumb screws) and a follower plate. Economic & clean filling of grease guns.

Suitable for grease NLGI 000 - 2

(Grease gun not included)

ecoFILL 5-s for 5 kg pails, inner-Ø 165 - 200 mm	33 805 02
ecoFILL 10-s for 10 kg pails, inner-Ø 215 - 230 mm	33 810 04
ecoFILL 15-s for 15 kg pails, inner-Ø 255 - 282 mm	33 815 16
ecoFILL 20-s for 18/20 kg pails, inner-Ø 265 - 285 mm*	33 818 06
ecoFILL 20-s for 18/20 kg pails, inner-Ø 285 - 305 mm	33 818 13
ecoFILL 25-s for 25 kg pails, inner-Ø 300 - 335 mm	33 825 06
ecoFILL 50-s for 50 kg pails, inner-Ø 355 - 387 mm	33 850 02
ecoFILL200-s for 200 kg drums, inner-Ø 550 - 590 mm	33 854 08

Grease Gun Filler Pump ecoFILL-deluxe

Grease transfer pump includes a self-centering pail lid (special mechanism supports exact centred position of the pump) and a follower plate.

The most efficient and professional method of filling grease guns.

Suitable for grease NLGI 000 - 2

(Grease gun not included)

ecoFILL 10-d for 10 kg pails, inner-Ø 215 - 230 mm	33 810 28
ecoFILL 15-d for 15 kg pails, inner-Ø 255 - 282 mm	33 815 30
ecoFILL 20-d for 18/20 kg pails, inner-Ø 265 - 285 mm*	33 818 20
ecoFILL 20-d for 18/20 kg pails, inner-Ø 285 - 305 mm	33 820 32
ecoFILL 25-d for 25 kg pails, inner-Ø 300 - 335 mm	33 825 20
ecoFILL 50-d for 50 kg pails, inner-Ø 355 - 387 mm	33 850 26

Grease Gun Filler Pump ecoFILL-deluxe "JOKEY"

for 18/20 kg JOKEY plastic pail

Item as described above, includes self-centering pail lid with special claws to fit and secure grip on the JOKEY pail (Jet 2000).

(Grease gun not included)

ecoFILL 20-d for 18/20 kg JOKEY plastic-pail	33 817 07
--	-----------

Wheel Bearing Packer for ecoFILL Pump

Wheel bearing grease packer, for easy and clean filling of roller and ball bearings with diameters of 19 to 200 mm.

Wheel bearing grease packer for ecoFILL Equipment	33 790 70
---	-----------

Angled Filler Tube for ecoFILL Pump

Angled filler pipe to fit to ecoFILL transfer pumps. Connects to filler nipple/air venting valve Ø 9 mm, in accordance with DIN 1283, R 1/4" male thread.

Angled filler tube for ecoFILL, thread R 1/4"	33 901 50
---	-----------



Manual Filler Pumps for Centralised Lubrication Systems

Description

Images and specifications can be subject to change without notice

Part No.



Filler Pump centraFILL-standard

Grease transfer pump for the filling of centralised lubrication system grease reservoirs, includes a standard pail/drum lid (three radial thumb screws), a follower plate and PVC hose, length 2,0 m, with quick release coupling according to ISO-Norm 7241B DN6/1/4".

Suitable for grease NLGI 000 - 2

centraFILL 5-s for 5 kg pails, inner-Ø 165 - 200 mm	33 805 40
centraFILL 10-s for 10 kg pails, inner-Ø 215 - 230 mm	33 810 42
centraFILL 15-s for 15 kg pails, inner-Ø 255 - 282 mm	33 815 54
centraFILL 20-s for 18/20 kg pails, inner-Ø 265 - 285 mm*	33 818 44
centraFILL 20-s for 18/20 kg pails, inner-Ø 285 - 305 mm	33 818 51
centraFILL 25-s for 25 kg pails, inner-Ø 300 - 335 mm	33 825 44
centraFILL 50-s for 50 kg pails, inner-Ø 355 - 387 mm	33 850 40



Filler Pump centraFILL-deluxe

Grease transfer pump for the filling of centralised lubrication system grease reservoirs, includes a self-centering pail lid (special mechanism supports exact centred position of the pump), a follower plate and a PVC hose, length 2,0 m, with quick release coupling according to ISO-Norm 7241B DN6/1/4".

Suitable for grease NLGI 000 - 2

centraFILL 10-d for 10 kg pails, inner-Ø 215-230 mm	33 810 66
centraFILL 15-d for 15 kg pails, inner-Ø 255-282 mm	33 815 78
centraFILL 20-d for 18/20 kg pails, inner-Ø 265-285 mm*	33 818 68
centraFILL 20-d for 18/20 kg pails, inner-Ø 285-305 mm	33 818 75
centraFILL 25-d for 25 kg pails, inner-Ø 300-335 mm	33 825 68
centraFILL 50-s for 50 kg pails, inner-Ø 355 - 387 mm	33 850 64



Filler Pump centraFILL-deluxe "JOKEY"

for 18/20 kg JOKEY plastic pail

Item as described above, includes self-centering pail lid with special claws to fit and secure grip on the JOKEY pail (Jet 2000).

centraFILL 20-d for 18/20 kg JOKEY plastic pail	33 817 38
---	------------------

Filler Pump centraFILL-M mobile

Item as described above, but mounted to a trolley for grease pails up to 50 kg. Dust cover in basic version, without screws or self-centering mechanism, rests on upper pail edge.

centraFILL 15-M for 15 kg pails, inner-Ø 255-282 mm	33 816 08
centraFILL 20-M for 18/20 kg pails, inner-Ø 265-285 mm*	33 819 05
centraFILL 20-M for 18/20 kg pails, inner-Ø 285-305 mm	33 819 12
centraFILL 25-M for 25 kg pails, inner-Ø 300-335 mm	33 826 05
centraFILL 50-M for 50 kg pails, inner-Ø 355-387 mm	33 851 01



Pneumatic Filler Pumps and Accessories

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

Pneumatic Filler Pump pneMATO-fill

Pneumatic grease transfer pump, suitable for high viscosity oils, i.e. tacky chain lubricants, and for Grease NLGI 000 -2

Please note: pump not suitable for high pressure applications !

Technical data :

Output at 8 bar (115 psi) air pressure: approx. 1.800 g per min. (Multi purpose grease NLGI 2 at 20° C).

Pressure capability approx. 24 bar (330 psi), pump gear ratio 1:3, outlet thread 1/2"

Pump for 10-25 kg grease pails, suction tube 525 mm	33 725 45
Pump for 50 kg grease pails, suction tube 790 mm	33 750 41
Pump for 200 kg grease drums, suction tube 940 mm	33 720 26
Pump for 1000 l tank, suction tube 1490 mm	33 720 40

Pneumatic Filler Pump pneMATO-fill, Static

Grease pump as described above, for the filling of centralised lubrication system reservoirs, equipped with QR coupler.

The assembly consists of a pneumatic pump, 2 m hose DN12(1/2") with quick release coupling (ISO-Norm 7241B DN6 / 1/4"), follower plate and self centering pail lid.

Technical data see above

pneuMATO-fill-10-d for 10 kg pails, inner-Ø 215-230 mm	33 710 12
pneuMATO-fill-15-d for 15 kg pails, inner-Ø 255-282 mm	33 715 24
pneuMATO-fill-20-d for 18/20 kg pails, inner-Ø 265-285 mm*	33 720 71
pneuMATO-fill-20-d for 18/20 kg pails, inner-Ø 285-305 mm	33 720 57
pneuMATO-fill-25-d for 25 kg pails, inner-Ø 300-335 mm	33 725 21
pneuMATO-fill-50-d for 50 kg pails, inner-Ø 355-387 mm	33 750 10
pneuMATO-fill-200-d for 200 kg drums, inner-Ø 550-590 mm	33 720 02

Pneumatic Filler Pump pneMATO-fill, Static

for 18/20 kg JOKEY plastic pail

Item as described above, includes self-centering pail lid with special claws to fit and secure grip on the JOKEY pail (Jet 2000).

pneuMATO-fill-20-d for 18/20 kg JOKEY plastic pail	33 721 18
--	------------------

Pneumatic Filler Pump pneMATO-fill, Mobile

Item as described above, but mounted to a trolley for grease pails up to 50 kg. Dust cover in basic version, without screws or self-centering mechanism, rests on upper pail edge.

Technical data see above

pneuMATO-fill-15-m for 15 kg pails, inner-Ø 255-282 mm	33 715 93
pneuMATO-fill-20-m for 18/20 kg pails, inner-Ø 265-285 mm*	33 720 95
pneuMATO-fill-20-m for 18/20 kg pails, inner-Ø 285-305 mm	33 721 01
pneuMATO-fill-25-m for 25 kg pails, inner-Ø 300-335 mm	33 725 90
pneuMATO-fill-50-m for 50 kg pails, inner-Ø 355-387 mm	33 750 89

DIGIMET E35

Electronic Inline Flow Meter

Can be fitted to pneMATO-fill equipment. After calibration, the dispensed grease volume is displayed. Ideal for controlling the filling of Lube-Shuttle cartridges, thread 1/2" male / 1/2" swivel nuts.

DIGIMET E35 inline flow meter	35 410 19
-------------------------------	------------------



It is important that all pneumatic pumps are operated with an air management system: see part no. 39 902 20, page 53



Grease Follower Plates and Pail/Drum Covers

Description

Images and specifications can be subject to change without notice

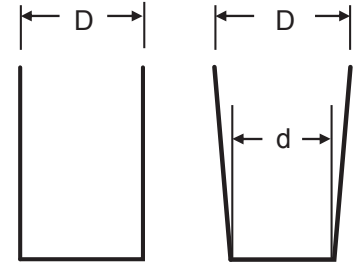
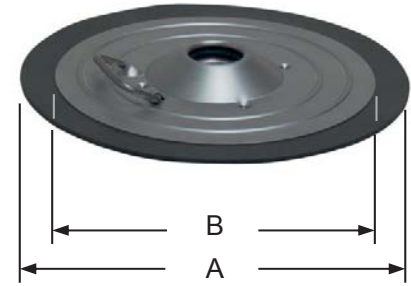
Part No.

Grease Follower Plates

for eco-/centraFILL, Bucket-Greaser, pneuMATO 55, pneuMATO 75 and pneuMATO-fill, suitable for suction tube \varnothing 40 mm

Recommended pail size by ELGI:
(European Lubricating Grease Institute)
18 kg Keg *

	A / B		d - D	
FO 5	205/150	for inner- \varnothing	165 - 200 mm	33 920 00
FO 10	236/204	for inner- \varnothing	215 - 230 mm	33 923 07
FO 15	273/204	for inner- \varnothing	220 - 267 mm	33 926 73
FO 15	285/242	for inner- \varnothing	255 - 282 mm	33 928 26
FO 20	291/242	for inner- \varnothing	265 - 285 mm *	33 928 57
FO 20	312/242	for inner- \varnothing	285 - 305 mm	33 930 52
FO 25	338/285	for inner- \varnothing	300 - 335 mm	33 933 59
FO 40	356/300	for inner- \varnothing	311 - 346 mm	33 934 65
FO 50	392/330	for inner- \varnothing	350 - 385 mm	33 938 54
FO 50	392/340	for inner- \varnothing	355 - 387 mm	33 938 78
FO 50	415/354	for inner- \varnothing	385 - 410 mm	33 941 03
FO 200	596	for inner- \varnothing	550 - 590 mm	33 959 02



Adaptor Set, 5 Units, for Suction Tubes \varnothing 40 mm

Diameter reducers to adapt suction tubes- \varnothing 26, 28, 30, 32 and 35 mm to MATO lid and follower plate 40 mm hole-diameter

Adaptor-set, 5 units, diameter reducers

33 791 55



Pail Lid

Designed for mobile units of pail mounted grease transfer and greasing equipment, fits manual and pneumatic grease pumps. Powder coated steel.

Cover M 10-15	310 mm for pails with outer \varnothing 225-300 mm	33 962 20
Cover M 20-25	365 mm for pails with outer \varnothing 280-355 mm *	33 962 44
Cover M 50	430 mm for pails with outer \varnothing 350-425 mm	33 962 68



Pail/Drum Lid - S

Standard lid for static pail mounted grease transfer and greasing equipment, fits manual and pneumatic grease pumps, suction tube \varnothing 40 mm, equipped with 3 thumb screws.

Lid S 5	220 mm for pails with outer \varnothing 188-210 mm	33 960 08
Lid S 10-15	310 mm for pails with outer \varnothing 225-295 mm	33 960 22
Lid S 20-25	365 mm for pails with outer \varnothing 280-350 mm *	33 960 46
Lid S 50	430 mm for pails with outer \varnothing 350-420 mm	33 960 60
Lid S 200	660 mm for drums with outer \varnothing 570-625 mm	33 960 84



Self-Centering Pail Lid- D

Deluxe lid for static pail mounted grease transfer and greasing equipment, fits manual and pneumatic grease pumps, suction tube \varnothing 40 mm, equipped with self centering mechanism.

Lid D 10-15	308 mm for pails with outer \varnothing 225-295 mm	33 961 38
Lid D 20-25	365 mm for pails with outer \varnothing 280-350 mm *	33 961 52
Lid D 50	433 mm for pails with outer \varnothing 350-420 mm	33 961 76



Special Self Centering Pail Lid - D

Deluxe lid for static pail mounted grease transfer and greasing equipment, fits manual and pneumatic grease pumps, suction tube \varnothing 40 mm, equipped with self centering mechanism.

Suitable for: **JOKEY Jet 2000 / JOKEY Jet 125 / Polipa 20L / ROPAC**

Pail lid D 18/20	365 mm for JOKEY - Jet 2000	33 961 45
Pail lid D 10/15	310 mm for JOKEY - Jet 125	33 961 14
Pail lid D 18/20	365 mm for POLIPA 20 L	33 961 90
Pail lid D 18/20	365 mm for ROPAC	33 961 21

Pumps ecoFILL, centraFILL, Accessories for Transfer Pumps

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

ecoFILL-Pump with Angled Filler Tube

Suction tube - Ø 40 mm

Pump ecoFILL for 5 kg, suction tube length 395 mm **33 900 51**

Pump ecoFILL for 10/25 kg, suction tube length 535 mm **33 900 68**

Pump ecoFILL for 50 kg, suction tube length 800 mm **33 900 75**

centraFILL-Pump with Spout

Suction tube - Ø 40 mm

Pump centraFILL for 5 kg, suction tube length 395 mm **33 901 05**

Pump centraFILL for 10/25 kg, suction tube length 535 mm **33 901 12**

Pump centraFILL for 50 kg, suction tube length 800 mm **33 901 29**

Hose 2 metres for centraFill Filler Pumps

Hose DN12 (1/2") for centraFill units, includes hydraulic quick release coupling according to ISO-Norm 7241B DN6 / 1/4" and a ball valve.

Hose 2 meters with quick release coupling **33 900 37**

Combined Filler Pump Adaptor

for ecoFILL- and centraFILL Equipment

adaptor to fill grease guns, Lube-Shuttle® cartridges (see refill adaptor, page 9) or centralised lubrication system grease reservoirs.

Transfer pump adaptor, manual pump **33 900 13**

Hose with Quick Release Coupling

for pneuMATO-fill pump

Hose DN12 (1/2") for pneuMATO-fill units, includes hydraulic quick release coupling according to ISO-Norm 7241B DN6 / 1/4" and a ball valve.

Hose 2 meters with ball valve for pneuMATO-fill **33 900 20**

Hose 4 meters with ball valve for pneuMATO-fill **33 903 10**

Filler Pump Adaptor for pneuMATO-fill

Transfer pump adaptor for pneumatic pumps which allows to choose between filling of grease guns (with filler nipple), Lube-Shuttle® cartridges (see refill adaptor, page 9) or centralised lubrication system grease reservoirs. Operation mode selected by ball valve.

Transfer pump adaptor, pneumatic pump **33 900 06**

Accessories for centraFILL- pneuMATO-fill

Double ended connector 3/8" - 1/4" male **39 914 87**

Double ended connector 1/4" - 1/4" male **39 914 49**

Reducing connector M10x1 - 1/4" male **39 910 43**

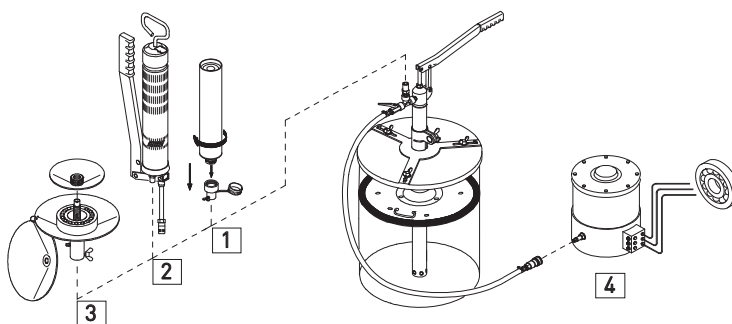
QR connector (plug) 1/4" fem. ISO 7241B DN6/1/4" **33 902 28**

QR connector (socket) with hose tail, ISO as above **33 902 42**

Angled filler tube with plug **33 901 74**



Options for centraFill in combination with the "Filler Pump Adaptor"



1. Lube-Shuttle® cartridge with refill adaptor
2. Grease gun with filling nipple, e.g. E500 / TG 500

3. Ball races with wheel bearing grease
4. Centralised lubrication system with Q

mato



High Pressure Lubrication Equipment, Manually Operated

Description

Images and specifications can be subject to change without notice

Part No.

High Pressure Lubricator Bucket Greaser

Pail mounted high pressure manual lubricator, suction tube Ø 40 mm, equipped with 2.0m high pressure safety rubber hose and 4-jaw hydraulic coupler, pail lid - S with 3 thumb screws, and follower plate.

Working pressure : 400 bar (5.800 psi), output 1,6 ccm per stroke.

Suitable for Grease NLGI 000 - 2

Bucket Greaser BG 5-s f. 5 kg,	inner-Ø165-200 mm	33 805 71
Bucket Greaser BG 10-s f. 10 kg,	inner-Ø215-230 mm	33 810 80
Bucket Greaser BG 15-s f. 15 kg,	inner-Ø255-282 mm	33 815 92
Bucket Greaser BG 20-s f. 18/20 kg,	inner-Ø265-285 mm *	33 818 82
Bucket Greaser BG 20-s f. 18/20 kg,	inner-Ø285-305 mm	33 818 37
Bucket Greaser BG 25-s f. 25 kg,	inner-Ø300-335 mm	33 825 82
Bucket Greaser BG 50-s f. 50 kg,	inner-Ø355-387 mm	33 851 70

High Pressure Lubricator Bucket Greaser

for 18/20 kg JOKEY plastic pail

Item as described above, includes self-centering pail lid with special claws to fit and secure grip on the JOKEY pail (Jet 2000).

Bucket Greaser BG 20-d for 18/20 kg JOKEY plastic pail **33 819 50**

Foot operated grease pump FP-06 economy

Budget priced foot operated pump with 2,0 m high pressure rubber safety hose and 4-jaw hydraulic coupler, carry handle.

Suitable for Grease NLGI 000 - 2

Maximum working pressure:	up to 500 bar (7.250 psi)
Reservoir capacity:	approx. 6.000 ccm
Output per stroke:	approx. 2 ccm

Foot operated grease pump FP-06 economy **33 860 09**

Foot Operated Grease Pump FP-08-heavy duty

Mobile foot operated greaser, equipped with 2,0 m high pressure rubber safety hose and hand control with rigid tube and 4-jaw hydraulic coupler. Additional hand operated pump to pre-charge grease container (follower plate) with air pressure up to 3 bar.

Suitable for Grease up to NLGI 3

Grease pressure:	up to 400 bar (5.800 psi)
Reservoir capacity:	approx. 6.500 ccm
Output per stroke:	approx. 2 ccm

Foot operated grease pump FP-08-heavy duty **33 860 54**

High Pressure Hand Control for FP-08

with rigid tube and 4-jaw hydraulic coupler

Hand control for foot operated grease pump FP-08 **33 902 80**



High Pressure Lubrication Equipment, Pneumatic

Description

Images and specifications can be subject to change without notice

Part No.

pneuMATO 55 Grease Pump without Accessories

Pressure ratio 55:1, free delivery 500 g/min.,
maximum working pressure 425 bar (6.150 psi),
grease outlet thread 1/4", suction tube Ø 40 mm.

Suitable for grease NLGI 000 - 2

pneuMATO 55 grease pump for 10-25 kg pails, suction tube 495 mm	34 102 54
pneuMATO 55 grease pump for 50 kg pails, suction tube 690 mm	34 102 78
pneuMATO 55 grease pump for 200 kg drums, suction tube 885 mm	34 102 92

pneuMATO 55 Grease Pump Unit, Static

with 3,5 m high pressure rubber hose DN6, R1/4"

Air operated greasing pump, outlet thread R1/4",
3.5 m high pressure safety rubber hose DN 6 (R1/4"),
high pressure grease control valve with straight swivel
and rigid tube with 4-jaw hydraulic coupler, grease follower
plate and pail/drum lid -S, equipped with 3 thumb screws.

pneuMATO 55, static for 10 kg pails, inner-Ø 215-230 mm	34 103 60
pneuMATO 55, static for 15 kg pails, inner-Ø 255-282 mm	34 104 69
pneuMATO 55, static for 18/20 kg pails, inner-Ø 265-285 mm*	34 105 68
pneuMATO 55, static for 18/20 kg pails, inner-Ø 285-305 mm	34 105 75
pneuMATO 55, static for 25 kg pails, inner Ø 300-335 mm	34 106 67
pneuMATO 55, static for 50 kg pails, inner Ø 355-387 mm	34 107 66
pneuMATO 55, static for 200 kg drums, inner Ø 550-590 mm	34 107 80

pneuMATO 55 Grease Pump Unit, Static

with 6,5 m high pressure rubber hose DN6, R1/4"

Item as described above,
**but equipped with 6,5 m high pressure rubber safety hose DN6,
fitting thread R1/4".**

pneuMATO 55, static for 10 kg pails, inner-Ø 215-230 mm	34 103 77
pneuMATO 55, static for 15 kg pails, inner-Ø 255-282 mm	34 104 83
pneuMATO 55, static for 18/20 kg pails, inner-Ø 265-285 mm*	34 105 82
pneuMATO 55, static for 18/20 kg pails, inner-Ø 285-305 mm	34 106 36
pneuMATO 55, static for 25 kg pails, inner Ø 300-335 mm	34 106 81
pneuMATO 55, static for 50 kg pails, inner Ø 355-387 mm	34 107 42
pneuMATO 55, static for 200 kg drums, inner Ø 550-590 mm	34 109 71

pneuMATO 55 Grease Pump Unit, Static

with 10 m high pressure rubber hose DN6, R1/4"

Item as described above,
**but equipped with 10 m high pressure rubber safety hose DN6,
fitting thread R1/4".**

pneuMATO 55, static for 10 kg pails, inner-Ø 215-230 mm	34 103 84
pneuMATO 55, static for 15 kg pails, inner-Ø 255-282 mm	34 104 90
pneuMATO 55, static for 18/20 kg pails, inner-Ø 265-285 mm*	34 105 99
pneuMATO 55, static for 18/20 kg pails, inner-Ø 285-305 mm	34 106 43
pneuMATO 55, static for 25 kg pails, inner Ø 300-335 mm	34 106 98
pneuMATO 55, static for 50 kg pails, inner Ø 355-387 mm	34 107 59
pneuMATO 55, static for 200 kg drums, inner Ø 550-590 mm	34 109 88

pneuMATO 55 Grease Pump Unit, Static

for 18/20 kg JOKEY plastic pail

Item as described above,
but includes self-centering pail lid with special claws
to fit and secure grip on the JOKEY pail (Jet 2000).

pneuMATO 55, static "JOKEY" with 3,5 m hose	34 106 05
pneuMATO 55, static "JOKEY" with 6,5 m hose	34 106 12
pneuMATO 55, static "JOKEY" with 10 m hose	34 106 29



It is important that all pneumatic pumps are operated with an air management system: see part no. 39 902 20, page 53



High Pressure Lubrication Equipment, Pneumatic

Description

Images and specifications can be subject to change without notice

Part No.

pneuMATO 55 Grease Pump Unit, Mobile

with 3,5 m high pressure rubber hose DN6

Air operated greasing pump, mounted to a trolley for grease pails up to 50 kg, pump outlet thread R1/4", 3.5 m high pressure safety rubber hose DN 6 (R1/4"), high pressure grease control valve with straight swivel and rigid tube with 4-jaw hydraulic coupler, grease follower plate and pail/drum lid without screws or self-centering mechanism, rests on upper pail edge.

pneuMATO 55, mobile for 10 kg pails, inner Ø 215-230 mm	34 110 08
pneuMATO 55, mobile for 15 kg pails, inner Ø 255-282 mm	34 115 03
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 265-285 mm*	34 118 00
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 285-305 mm	34 118 24
pneuMATO 55, mobile for 25 kg pails, inner Ø 300-335 mm	34 125 00
pneuMATO 55, mobile for 50 kg pails, inner Ø 355-387 mm	34 150 06

pneuMATO 55 Grease Pump Unit, Mobile

with 6,5 m high pressure rubber hose DN6, R1/4"

Item as described above,

but equipped with 6,5 m high pressure rubber safety hose DN6, fitting thread R1/4".

pneuMATO 55, mobile for 10 kg pails, inner Ø 215-230 mm	34 110 15
pneuMATO 55, mobile for 15 kg pails, inner Ø 255-282 mm	34 115 10
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 265-285 mm*	34 118 17
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 285-305 mm	34 118 55
pneuMATO 55, mobile for 25 kg pails, inner Ø 300-335 mm	34 125 17
pneuMATO 55, mobile for 50 kg pails, inner Ø 355-387 mm	34 150 37

pneuMATO 55 Grease Pump Unit, Mobile

with 10 m high pressure rubber hose DN6, R1/4"

Item as described above,

but equipped with 10 m high pressure rubber safety hose DN6, fitting thread R1/4".

pneuMATO 55, mobile for 10 kg pails, inner Ø 215-230 mm	34 110 22
pneuMATO 55, mobile for 15 kg pails, inner Ø 255-282 mm	34 115 27
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 265-285 mm*	34 118 48
pneuMATO 55, mobile for 18/20 kg pails, inner Ø 285-305 mm	34 118 62
pneuMATO 55, mobile for 25 kg pails, inner Ø 300-335 mm	34 125 24
pneuMATO 55, mobile for 50 kg pails, inner Ø 355-387 mm	34 150 44



It is important that all pneumatic pumps are operated with an air management system: see part no. 39 902 20, page 53



High Pressure Lubrication Equipment, Pneumatic

Description

Images and specifications can be subject to change without notice

Part No.

MATO-One Hand Air Operated Grease Gun DF

Compressed air grease gun, can be charged with 400 g grease cartridges, with bulk grease or by pail mounted filler pump.

Single shot system, 1 ccm per stroke, pressure ratio 60:1, air input pressure range 3 to max. 8 bar, maximum working pressure 480 bar (6.950 psi).

Suitable for greases up to NLGI 2, DIN 51818.

DF 500 with rigid tube E4024 , thread M10x1	34 101 55
DF 500 with rigid tube E4024 , thread R1/8"	34 100 01
DF 501 with rubber hose RH-30C , thread M10x1	34 101 79
DF 501 with rubber hose RH-30C , thread R1/8"	34 100 56

MATO-One Hand Air Operated Oil Gun DFO

Technical data as described above, but equipped with oil tight inner piston. Unit features outlet thread R 1/8"

Accessory set includes 4-jaw hydraulic coupler with backlash valve.

Air Operated Oil Gun DFO 500, rigid tube	34 101 00
Air Operated Oil Gun DFO 501, rubber safety hose RH-30C	34 101 24

pneuMATO 75 Grease Pump without Accessories

Pressure Ratio: 1:75

Output 500 - 600 g/min. at free delivery,

Maximum working pressure 580 bar (8,390 psi), grease outlet thread R1/4", suction tube Ø 40 mm.

Suitable for grease NLGI 000 - 2

For use with NLGI 3 please consult with our Technical Dpt.

It is important that all pneumatic pumps are operated with an air management system: see part no. 39 902 20, page 53



pneuMATO 75, pump for 10-25 kg pails, suction tube 495 mm	34 104 07
pneuMATO 75, pump for 50 kg pails, suction tube 690 mm	34 104 21
pneuMATO 75, pump for 200 kg drums, suction tube 885 mm	34 104 45

Grease Compressor K-07

Equipped with high pressure safety rubber hose and control valve, rigid tube and 4-jaw hydraulic coupler, mobile unit.

Suitable for grease up to NLGI 3

Grease pressure:	max. 400 bar (5.800 psi)
Reservoir capacity:	approx. 6.500 ccm
Output per double stroke:	approx. 4 ccm

Grease compressor K-07 with 3,5 m safety rubber hose	34 163 00
Grease compressor K-07 with 6,5 m safety rubber hose	34 163 24
Grease compressor K-07 with 10 m safety rubber hose	34 163 48



High Pressure Rubber Hoses, Air Management System, Trolley

Description

Images and specifications can be subject to change without notice

Part No.

MATO Rubber Hose Assemblies

Suitable for pneumatic grease pumps and high pressure greasing equipment. Heavy duty specification, burst pressure 1.650 bar, steel wire braided, i.e. for use with pneuMATO 55, pneuMATO 75, Bucket-Greaser, FP-06, FP-08, K-07, fitting thread R1/4" male / female.

Rubber hose assembly RH-100	1,0 m	32 589 17
Rubber hose assembly RH-200	2,0 m	32 591 12
Rubber hose assembly RH-350	3,5 m	32 591 50
Rubber hose assembly RH-650	6,5 m	32 591 74
Rubber hose assembly RH-1000	10 m	32 591 98

Air Management System

Features pressure regulator, pressure gauge, water filter and lubricator.

It is important that all pneumatic pumps are operated with an air management system to secure the supply of clean, dry and oiled air. Please consult the operation manuals of the pneumatic pumps to see warranty terms.

Air management system	39 902 20
-----------------------	------------------

Trolley

Designed to set up mobile units of manual and pneumatic grease transfer pumps and high pressure greasers.

Trolley for 10-50 kg pails, easily assembled, robust **zinc plated design**, with pump bracket and handle.

Standard-Trolley for 200 litre / 180 kg drums, **black painted**, robust all steel construction, **2 hard rubber wheels**, **1 lockable swivel castor** and holster for control valve.

Premium-Trolley for 200 litre / 180 kg drums, **black painted**, robust all steel construction, **2 puncture-proof PU-foamed wheels**, **2 lockable swivel castor** and holster for control valve.

Trolley for 10-50 kg pails	34 700 50
Standard-Trolley for 200 litre / 180 kg drums	34 701 80
PremiumTrolley for 200 litre / 180 kg drums	34 701 66



New

Grease Meter and High Pressure Greasing Accessories

Description

Images and specifications can be subject to change without notice

Part No.

DIGIMET E5 Grease Meter

High pressure digital meter suitable for grease up to NLGI 2, displays dispense volume in ccm, resettable, totaliser in litre, inlet thread R1/4" female.

Working Pressure: max. 500 bar (7.250 psi)
 Burst Pressure: min. 1.000 bar (14.450 psi)
 Accuracy: +/- 3%
 Max. permissible delivery: 2.000 ccm/min.

Digimet E5 without accessories R1/8" **35 415 52**
 Digimet E5 with rigid tube R1/8" **35 415 76**
 Digimet E5 with high pressure rubber hose R1/8" **35 415 90**

Digimet E5 with High Pressure Rubber Hose R1/8"

High pressure digital meter for grease up to NLGI 2, technical data as described above, except for inlet R1/8" is female

DIGIMET E5 inline grease meter **35 415 45**

High Pressure Grease Control Valve, standard

Steel construction, with rigid tube E4024 (1/8") and 4-jaw hydraulic coupler, inlet: 1/4" female

Working pressure max. 450 bar (6.525 psi), not suitable for pneuMATO 75

High pressure grease control valve with straight swivel **34 108 03**
 High pressure grease control valve with straight Z` swivel **34 108 34**

High Pressure Grease Control Valve, deluxe

Robust construction with straight swivel, delivery tube E4024 R1/8", 4-jaw hydraulic coupler, inlet thread 1/4" female, **working pressure max. 600 bar (8.700 psi)**
 Easy operation, without effort, even at high grease pressures. Ergonomic plastic hand grip with protective cover, pressure parts in steel, operating trigger with leak proof feature.

High pressure grease control valve, deluxe with rigid tube E4024 **34 108 58**

Straight Swivel for Grease Control Valve

Straight swivel for grease control valve **34 109 02**

Z` Swivel for Grease Control Valve

Heavy duty, ball bearing, R1/4"

Z` Swivel for Grease Control Valve **34 109 40**



Grease Spray Equipment and Accessories

Description	Part No.
-------------	----------

pneuMATO 55 - LubeJet, static

A grease spray system using unique technology: it combines the high pressure lubrication pump pneuMATO 55 with **especially designed spraying equipment**. The spray pistol has been designed for greases up to NLGI 2, the special "Twin Hose" for grease and high pressure air supply is integrated in a high quality protective sheath. This sophisticated grease spray system can be fitted to grease pails and drums.

Specification:
 pneuMATO 55 -pneumatic pump unit, pressure ratio 1:55,
 10m special twin delivery hose, spray gun,
 pressure regulator 5 bar, **air inlet pressure limited to 5 bar**

version with 3,5 or 6,5 m hose length upon request

pneuMATO 55 - LubeJet, static, for 25 kg, inner-Ø 300-335 mm	33 727 29
pneuMATO 55 - LubeJet, static, for 50 kg, inner-Ø 355-387 mm	33 757 20
pneuMATO 55 - LubeJet, static, for 200 kg, inner-Ø 550-590 mm	33 701 21

pneuMATO 55 - LubeJet, mobile

Item as described above, but mounted to a trolley to carry pails up to 50 kg or drums up to 180 kg

version with 3,5 or 6,5 m hose length upon request

pneuMATO 55 - LubeJet, mobile, for 25 kg, inner-Ø 300-335 mm	33 726 20
pneuMATO 55 - LubeJet, mobile, for 50 kg, inner-Ø 355-387 mm	33 756 21
pneuMATO 55 - LubeJet, mobile, for 200 kg, inner-Ø 550-590 mm	33 700 08

Grease Spray Gun

This spray gun has been specially designed to spray grease. Spray patterns, air and grease volumes are individually adjustable. **Maximum permitted air input pressure is 10 bar (145 psi)**
Maximum permitted material pressure is 250 bar (3.625 psi)

Grease spray gun LubeJet	33 793 60
--------------------------	------------------

Spray Lance for pneuMATO 55 - LubeJet

Spray lance with 2-segment extension tube, designed to cover and spread grease in inaccessible spots or cavities. The unit is suitable for common greases up to NLGI-class 2.

Spray lance 2,0 m for pneuMATO 55 - LubeJet, 90 ° spray head	33 795 75
Spray lance 2,0 m for pneuMATO 55 - LubeJet, 180 ° spray head	33 795 82

Twin Hose for pneuMATO 55 - LubeJet

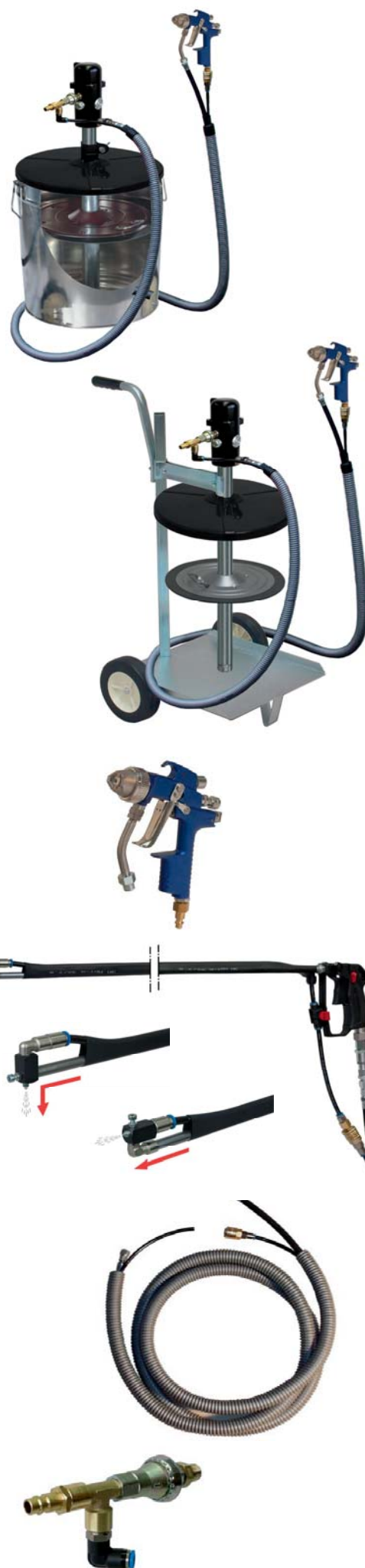
This special "Twin Hose" includes high pressure grease supply hose (burst pressure: 1.650 bar, with steel wire reinforcement) and air supply hose. Both hoses are encased in hard wearing outer sheath, which has integral spiral, steel reinforcement.

pneuMATO 55 - LubeJet twin hose system 3,5 m	33 793 08
pneuMATO 55 - LubeJet twin hose system 6,5 m	33 793 15
pneuMATO 55 - LubeJet twin hose system 10 m	33 793 22

Air Pressure Limiter for pneuMATO 55 Lubejet

This air pressure limiter restricts the air supply pressure at the pump inlet to 5 bar. It is supplied with connection for the air supply pipework.

Air pressure regulator for pneuMATO 55 Lubejet	33 794 90
--	------------------



Electric Lubrication Equipment

Description

Images and specifications can be subject to change without notice

Part No.

Electric Lube-Compressor ELC 6

Equipped with 3,5 m high pressure safety rubber hose DN6, high pressure control gun with Z-swivel and rigid delivery tube with 4-jaw hydraulic coupler, capacity: 6,3 kg.

Suitable for grease up to NLGI Class 3.

Technical Data:

Operating Pressure:	350 bar
Delivery Rate:	approx. 150 ccm / min.
Power:	0,37 KW
Protection Rating:	230 V or 400 V IP 54

This product is a non-stock item

Electric Lube-Compressor ELC 6 230 V **34 260 64**

Electric Lube-Compressor ELC 6 400 V **34 260 40**

Electric Lube-Compressor ELC 15

As above specification, but with reservoir capacity of 15 kg, working pressure 300 bar.

This product is a non-stock item

Electric Lube-Compressor ELC 15 230 V **34 261 94**

Electric Lube-Compressor ELC 15 400 V **34 261 70**

Electric Lube-Compressor ELC 30

As above specification, but with reservoir capacity of 30 kg, working pressure 300 bar.

This product is a non-stock item

Electric Lube-Compressor ELC 30 230 V **34 263 54**

Electric Lube-Compressor ELC 30 400 V **34 263 30**



mato



Syphon-, Hand- and Lift Pumps

Description

Images and specifications can be subject to change without notice

Part No.

Polythene Syphon-Pump Model SP-50

Designed for use with the majority of aggressive fluids

Suction tube length 375 mm

Bung adaptor for Ø 31 mm / 1" BSP

Delivery hose length 0,5 m (approx).

Output 50 ml per stroke, therefore

approximately 6 litre per minute is possible

Syphon-Pump SP-50

34 622 08

Polythene Syphon-Pump Model SP-150

Designed for use with the majority of aggressive fluids suitable for detergents.

Suction tube length 850 mm

Bung adaptor 2" BSP

Delivery hose length 1,4 m (approx).

Output 150 ml per stroke, therefore

approximately 20 litre per minute is possible

Syphon-Pump SP - 150

34 622 22

Lever Operated Drum Pump HP 500 for AdBlue®

Lever operated drum pump HP 500 for 50 up to 200 litre drums, equipped with 2" drum adaptor, telescope 2-segement suction tube and 2 m delivery hose, 2" bung adaptor and 2 adaptor 2" BSP female to 2" Mauser / TriSure male

Flow rate: 500 ccm per stroke, EPDM Seals

Lever operated drum pump HP 500 for AdBlue®

34 623 07

UNIVERSAL - Lift Pump LP-S

Universal plastic pump with adaptor R2" for standard drums/barrels.

Output: 250 ccm per stroke

LP-S: Compatible with lubricating oils, diesel and fuel oil.

Compatibility with other fluids on request.

Different bung adaptors described on page 62

Universal Lift Pump LP-S 25

34 625 12

Universal Lift Pump LP-S 200

34 625 29

UNIVERSAL - Lift Pump LP-C

Universal plastic pump with adaptor R2" for standard drums/barrels.

Output: 250 ccm per stroke

LP-C: Compatible with chemicals, thinners, solvents, anti-freeze, detergents, cleaning fluids and AdBlue®. Compatibility with other fluids on request. Piston in stainless steel.

Different bung adapter available on page 62

Universal lift pump LP-C 25

34 625 50

Universal lift pump LP-C 200

34 625 67

Delivery hose for Lift Pumps LP-C & LP-S

2,0 m PVC delivery hose with spout for LP-C & LP-S

34 626 04

Universal Adaptor for Lift Pumps LP-C & LP-S

Universal adaptor for lift pumps LP-C & LP-S

34 626 28

Adaptor 2" BSP for Lift Pumps LP-C + LP-S

Adaptor 2" BSP for lift pumps LP-C + LP-S

34 626 11



Rotary Action Pumps

Description

Images and specifications can be subject to change without notice

Part No.

Polypropylene Rotary Pump RP 100-PP

2-chamber vane pump with 3-segment suction tube, designed for drums up to 200 litre, drum adaptor 2" BSP

Suitable for: AdBlue®, water-based liquids, thinner, solvents, anti-freeze, windshield detergents, hydraulic-oils.

Other lubricants on request.

Output: 250 ccm per revolution

Polypropylen rotary pump RP 100-PP

34 609 07

Cast Iron Rotary Pump RP 100-s

2 chamber vane pump with 3 part steel suction tube suitable for barrels up to 200 litre, drum adaptor 2" BSP

For diesel, motor, gearbox and hydraulic oils up to SAE 90

Output: 250 ccm per revolution

Cast Iron Rotary Pump standard RP 100-s

34 610 10

Aluminium Rotary Pump RP 100-d

2 chamber vane pump with 3 part steel suction tube suitable for barrels up to 200 litre, drum adaptor 2" BSP

For diesel, motor, gearbox and hydraulic oils up to SAE 90

Output: 250 ccm per revolution

Aluminium Rotary Pump RP 100-d

34 610 34

3 Part Steel Suction Tube

for rotary pumps RP 100-s and RP 100-d

3 segment steel suction tube

34 612 70

Hose for Rotary Pumps RP 100

Spare hose, length 1,1 m, for rotary pump with spout and securing hook

Hose for rotary pump RP 100-s + RP 100-d

34 620 55

Ball valve with hose tail

for aluminium rotary pump RP 100-d

Nozzle for gear oil with ball valve

34 620 62

Aluminium Rotary Pump RP 100-M

with Trolley and Pump Bracket

2 chamber vane pump with metal suction tube set suitable for 50-60 litre drums, with 1,2 m delivery hose, ball valve with nozzle for gear oil, drum adaptor 2" Trolley for 50-60 litre drums with pump support bracket.

For diesel, motor, gearbox and hydraulic oils up to SAE 90

Output: 250 ccm per revolution

Aluminium rotary pump with trolley RP 100-M

34 610 58



Barrel Pumps and Accessories

Description

Images and specifications can be subject to change without notice

Part No.

Lever Operated Barrel Pump HP 350

Budget priced barrel pump for 50 to 200 litre drums,
Steel telescopic suction tube 450 mm to 860 mm, body made of
zinc plated steel, 2" and 1 1/2" BSP drum adaptors
detachable outlet nozzle

NBR (Perbunan) Seals

For oils up to SAE 90, petroleum and other non-aggressive fluids
individually packed in carton. Output: 350 ccm per stroke

Lever operated barrel pump HP 350

34 635 40

Lever Operated Barrel Pump HP 350 - V

other specifications as for HP 350 above but with Viton seals

and red handle grip

Suitable for alcohol, anti-freeze, thinners.

Ensure fluid is compatible with **VITON**

Lever operated barrel pump HP 350 - V

34 635 64

Delivery hose DN16 for HP 350 + HP 350-V

1,5 m long with ball valve 1/2" female with adaptor 3/4"
female to 1/2" male, hoseclip and outlet nozzle for gear oil

Delivery hose DN16, ball valve and gear oil nozzle

34 620 00

PVC Hose with hosetail for HP 350+HP 350-V

PVC hose 1,5 m long, hosetail and hoseclip

34 620 17

UNIVERSAL - Lift Pump LPM-200

with rigid steel suction tube for 200 liter barrels

Universal pump with zinc plated suction tube, 950 mm,
footvalve and 2" BSP bung adaptor.

Output: 750 ccm per stroke

LPM-200: Suitable for lubricating oils, diesel and fuel oil.

Compatibility with other fluids on request.

UNIVERSAL - Lift Pump LPM-200

34 626 80

Lever Operated Pump LAP 350

Robust piston pump with lever action for 200 l barrels,
non-return valve, zinc plated steel suction tube
1,5 m PVC delivery hose with spout

For light/extra light fuel oils, diesel, petroleum, cleaning fluids

Suction tube: approx. 850 mm

Drum adaptor 2" BSP

Suction tube thread 1/2" BSP

Output: 350 ccm per stroke

Lever operated pump LAP 350

34 635 88

Lever Operated Pump LAP 125

Piston pump, eco-version, with lever action for 50 - 200 litre drums,
backlash valve, zinc plated, 3-segment steel suction tube
1,2 m PVC delivery hose with spout

For light/extra light fuel oils, diesel, petroleum, cleaning fluids

Suction tube: approx. 850 mm

Drum adaptor: 2" BSP

Suction tube thread: 1/2" BSP

Output: 125 ccm per stroke

Lever operated pump LAP 125

34 633 04



Container Pumps

Description

Images and specifications can be subject to change without notice

Part No.

Container Lift Pump KLP-C 25

for 20 - 30 litre plastic container

Universal plastic pump LP-C compatible with chemicals, thinners, solvents, anti-freeze, detergents, AdBlue® and cleaning fluids. Compatibility with other fluids on request. Piston in stainless steel, incl. 2,0 m PVC-delivery hose with spout and connecting adapter for container with DIN 61 outlet

Output: 250 ccm per stroke

Container Lift Pump KLP-C 25

34 627 03

Container Hand Pump KHP 200

for 20 - 30 litre plastic container

Hand pump with high quality steel pump incl. 1,5 m delivery hose and ball valve, with connecting adapter for container with DIN 61 outlet

Output: 200 ccm per stroke

KHP 200 with 1,5 m hose, ball valve and nozzle

34 637 00

Container Hand Pump KHP 202-G

for 20 - 30 litre rectangular container

Hand Pump with high quality steel pump incl. 1,5 m delivery hose and ball valve with special pump bracket

Output: 200 cc per stroke

KHP 202-G with 1,5 m hose, ball valve and nozzle

34 637 24

Container Hand Pump KHP 202

for 20 - 25 litre plastic container

Hand pump with high quality steel pump incl. 1,5 m delivery hose and ball valve with special pump bracket

Output : 200 ccm per stroke

KHP 202 with 1,5 m hose, ball valve and nozzle

34 637 62

Container Hand Pump KHP 350

for 20 litre plastic drum ("Superfos")

Hand pump with 1,5 meter rubber hose and ball valve for 20 Liter plastic Drum ("Superfos"), sturdy pump bracket.

Output : 350 ccm per stroke

KHP 350 with 1,5 m hose and ball valve

34 637 86

Delivery hose DN12 for Container Pumps

Delivery hose 1,5 m, with ball valve, hoseclip and outlet nozzle for gear oil, suitable for container and barrel lever pumps

Delivery hose DN12 for container pumps

34 620 86



Lever- and Barrel Pumps with Accessories

Description

Images and specifications can be subject to change without notice

Part No.

Barrel Pump HP 202, Drum Fitting

for 50-60 litre oil drums

Hand operated pump with high quality steel pump unit, suitable for 50-60 litre drums
incl. 2,0 m delivery hose and ball valve,
with connecting adapter 2" to 40 mm Inner-Ø

Fluids:

Hydraulic oils, engine, gearbox up to high viscosity oils

Output: 200 ccm per stroke

Barrel pump HP 202, drum fitting

34 637 93

Barrel Pump HP 202, Mobile

for 50-60 litre oil drums

Hand operated pump with high quality steel pump unit, with robust, zinc plated trolley for 50-60 litre drums
incl. 2,0 m delivery hose and ball valve,
with connecting adapter 2" to 40 mm Inner-Ø

Fluids:

Hydraulic oils, engine, gearbox up to high viscosity oils

Output: 200 ccm per stroke

Barrel pump HP 202, Mobile

34 638 47

Oil Dispenser 24 l with Hand Pump, Mobile

Equipped with 2,5 m spiral hose, ball valve and curved spout

Fluids:

Diesel, engine, gearbox and hydraulic oils up to SAE 90

Output: 250 ccm per stroke

Oil Dispenser 24 l with Hand Pump, mobile

34 638 61

Pump Bracket for Hand Pumps

Robust pump brackets in zinc plated steel.
Bracket designed for container pumps
include foam cuff to prevent spill.

Pump bracket for container pump KHP 202-G

34 702 58

Pump bracket for container pump KHP 202

34 702 27

Pump bracket for container pump KHP 350

34 702 65

Pump bracket for 25-30 Liter oil drums, span 280-320 mm

34 702 10

Pump bracket for 50-60 Liter oil drums, span 350-390 mm

34 702 34

Adaptor

Adaptor for container and barrel pumps

Adaptor 2" BSP male to **40 mm inner-Ø**

34 704 70

Adaptor 2" BSP female to **2" TriSure male**

34 705 00

Adaptor 2" BSP female to **2" Mauser male**

34 704 94

Adaptor 2" BSP female to **DIN 61 female** incl. gasket

34 704 87



mato



Pneumatic Pumps and Diaphragm Pumps

Description

Images and specifications can be subject to change without notice

Part No.

pneuMATO Pneumatic Oil Pumps

Pressure ratios 1:1, 1:3 and 1:5, includes 2" BSP drum adaptor, item does not include further accessories.

Indicated flow rate applies in case of free delivery.

pneuMATO 1	oil pump 1:1, 25 l/min.	34 000 19
pneuMATO 3	oil pump 1:3, 18 l/min.	34 000 33
pneuMATO 5	oil pump 1:5, 17 l/min.	34 000 57



Pneumatic Double Diaphragm Pump DP-60

Designed for waste oil, lubricating oil, Anti-Freeze, water, diesel, heating oil and petrol (with ATEX 2 GD-Certification), suitable for fluids with a particle size of maximum 1,5 mm

Technical Data

Delivery:	approx. 60 l/min. free delivery
Pressure ratio:	1:1
Max. working pressure:	8 bar
Inlet:	3/4"
Outlet:	3/4"
Air supply inlet:	1/4"
Weight:	7 kg
Body material:	Aluminium
Membrane:	NBR
Check ball:	Hytrel

Pneumatic double diaphragm pump DP-60 **34 071 24**

Pneumatic Double Diaphragm Pump DP-60-T

for mounting to 200 l Drum

Technical data as described above, but with steel suction tube and 2" adaptor for 200 litre drum

Pneumatic double diaphragm pump DP-60-T **34 071 62**

Pneumatic Double Diaphragm Pump DP-160

Designed for waste oil, lubricating oil, diesel and heating oil, Anti-Freeze, water, windscreen cleaner and various chemicals. Suitable for fluids with a particle size of maximum 2 mm.

Technical Data

Delivery:	approx. 160 l/min. free delivery
Inlet:	1 1/4"
Outlet:	1 1/4"
Air supply inlet:	1/2"
Weight:	16 kg

Pneumatic double diaphragm pump DP-160 **34 072 54**

Pneumatic Double Diaphragm Pump DP-50 PP

Designed for waste oil, lubricating oil, diesel and heating Oil, Anti-Freeze, water, windscreen cleaner and various chemicals. Suitable for fluids with a particle size of maximum 1,5 mm.

Technical Data

Delivery:	approx. 50 l/min. free delivery
Pressure ratio:	1:1
Max. working pressure:	8 bar
Inlet:	3/4"
Outlet:	1/2"
Air supply inlet:	1/4"
Weight:	7,5 kg
Body material:	Polypropylen
Membrane:	PTFE
Check ball:	Teflon

Pneumatic double diaphragm pump DP-50 PP **34 071 17**

It is important all pneumatic pumps are operated with an air management system: **see part no. 39 902 20**



Pneumatic Oil Pumps, Oil Dispenser

Description

Images and specifications can be subject to change without notice

Part No.

Oil Dispenser 24 l pneumatic, Mobile

Includes pressure relief valve, 2,5 m spiral hose and nozzle with manual drip stop

Fluids:

Diesel, engine, gearbox and hydraulic oils up to SAE 90

Maximum air inlet pressure: 8 bar

Flow rate: approx. 2 l/min.

Oil dispenser 24 l pneumatic, mobile

34 001 25

pneuMATO-Pneumatic Oil Pumps, Drum Fitting for 50/60 and 200 litre oil drums

Pneumatic oil pump with telescopic suction tube and suction filter, adjustable from 520 mm to 800 mm, for variable use with 50/60 litre or 200 litre oil drums, 2,0 m pressure hose DN12 (1/2") with swivel nut for easy and simple installation

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle

for 50 litre drums pump bracket 34 702 34 is additionally required.

pneuMATO 1 - with oil control gun and engine oil nozzle

34 001 01

pneuMATO 3 - with oil control gun and engine oil nozzle

34 001 70

pneuMATO 3 - with Digimet E35 and engine oil nozzle

34 002 48

pneuMATO Oil Pump System, Mobile

for 50/60 litre oil drums

Item as described above, but with robust, zinc plated trolley, completed by barrel fixing bracket.

pneuMATO 1 - mobile with oil control gun and engine oil nozzle

34 003 30

pneuMATO 3 - mobile with oil control gun and engine oil nozzle

34 003 78

pneuMATO 3 - mobile with Digimet E35 and engine oil nozzle

34 004 60

pneuMATO 3 - Pneumatic Oil Pump

for wall mounting, oil drum size 200 litre

Oil pump pneuMATO 1:3 with wall bracket

Suction tube with foot valve and suction hose DN 20 (3/4") 2,0 m,

for approved unit with air eliminator valve.

Connecting hose 1 m DN12 (1/2") for hose reel, hose reel with 10 m delivery hose DN12 (1/2")

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

pneuMATO 3 - wall mounted with oil control gun

34 007 12

pneuMATO 3 - wall mounted with DIGIMET E35

34 007 50

pneuMATO 3 - wall mounted with DIGIMET E30 Preset

34 007 81

pneuMATO 3 - wall mounted with electronic meter, approved

34 007 98



Pneumatic Oil Pumps

Description

Images and specifications can be subject to change without notice

Part No.

pneuMATO-Pneumatic Oil Pumps Drum Fitting

for 200 litre drum with 4 m delivery hose

Oil pump pneuMATO 1:3 with pressure ratio 1:3, steel suction tube for 200 litre drum with foot valve, for approved unit with air eliminator valve, 4 m delivery hose DN12 (1/2") with swivel nut for easy and simple installation

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter, approved version



Lube-Station P-200-4 with oil control gun

34 024 19

Lube-Station P-200-4 with DIGIMET E35

34 024 88

Lube-Station P-200-4 with DIGIMET E30 Preset

34 002 86

Lube-Station P-200-4-E, with electronic Meter, approved

34 032 25

pneuMATO-Pneumatic Oil Pumps Drum Fitting

for 200 litre drum with 8 m delivery hose

Oil pump pneuMATO 1:3 with pressure ratio 1:3, steel suction tube for 200 litre drum with foot valve, for approved unit with air eliminator valve, 8 m delivery hose DN12 (1/2") with swivel nut for easy and simple installation

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter, approved version



Lube-Station P-200-8 with oil control gun

34 025 49

Lube-Station P-200-8 with DIGIMET E35

34 024 95

Lube-Station P-200-8 with DIGIMET E30 Preset

34 025 63

Lube-Station P-200-8-E, with electronic meter, approved

34 032 32

Pneumatic Oil Pumps

Description

Images and specifications can be subject to change without notice

Part No.

pneuMATO 3 - Oil Pump Systems, Mobile for 200 litre drum with 4 m delivery hose

Oil pump pneuMATO 1:3, pressure ratio 1:3,
steel suction tube for 200 litre drum with foot valve,
for approved unit with air eliminator valve,
robust trolley with holster for control valve,
black painted, 2 wheels, 1 swivel castor
4 m delivery hose DN12 (1/2") with swivel nut
for easy and simple installation

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

All versions also available with

**Premium trolley, 2 puncture-proof PU-foamed wheels
and 2 lockable swivel castors**

additional charge (see page 73)

pneuMATO 3, mobile with hose reel and oil control gun

34 008 04

pneuMATO 3, mobile with hose reel and DIGIMET E35

34 008 42

pneuMATO 3, mobile with hose reel and DIGIMET E30 Preset

34 004 08

pneuMATO 3, mobile with hose reel and electronic meter

34 033 48

pneuMATO 3 - Oil Pump Systems, Mobile

for 200 litre drum with 10 m hose reel, DN12

Oil pump pneuMATO 1:3, pressure ratio 1:3,
steel suction tube for 200 litre drum with foot valve,
for approved unit with air eliminator valve,
robust trolley with holster for control valve,
black painted, 2 wheels, 1 swivel castor,
hose reel, open, with 10 m delivery hose DN12 (1/2")

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

All versions also available with

**Premium trolley, 2 puncture-proof PU-foamed wheels
and 2 lockable swivel castors**

additional charge (see page 73)

pneuMATO 3, mobile with hose reel and oil control gun

34 008 59

pneuMATO 3, mobile with hose reel and DIGIMET E35

34 008 80

pneuMATO 3, mobile with hose reel and DIGIMET E30 Preset

34 008 97

pneuMATO 3, mobile with hose reel and electronic meter

34 033 62



Pneumatic Oil Pumps

Description

Images and specifications can be subject to change without notice

Part No.

pneuMATO-Pneumatic Oil Pump Systems for 1.000 litre tank with 4 m delivery hose

Oil pump pneuMATO 1:3, pressure ratio 1:3,
steel suction tube for 1.000 litre tank with foot valve,
for approved unit with air eliminator valve,
4 m delivery hose DN12 (1/2") with swivel nut
for easy and simple installation

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

The system is also available for a 700 litre tank,
price available upon request.

(Tank not included)

Lube-Station P-1000-4 with oil control gun	34 025 87
Lube-Station P-1000-4 with DIGIMET E35	34 024 40
Lube-Station P-1000-4 with DIGIMET E30 Preset	34 026 31
Lube-Station P-1000-4-E with electronic meter	34 033 00

pneuMATO-Pneumatic Oil Pump Systems for 1.000 litre tank with 8 m delivery hose

Oil pump pneuMATO 1:3, pressure ratio 1:3,
steel suction tube for 1.000 litre tank with foot valve,
for approved unit with air eliminator valve,
8 m delivery hose DN12 (1/2") with swivel nut
for easy and simple installation

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

The system is also available for a 700 litre tank,
price available upon request.

(Tank not included)

Lube-Station P-1000-8 with oil control gun	34 026 00
Lube-Station P-1000-8 with DIGIMET E35	34 024 57
Lube-Station P-1000-8 with DIGIMET E30 Preset	34 026 17
Lube-Station P-1000-8-E with electronic meter	34 033 17



Pneumatic Oil Pumps

Description

Images and specifications can be subject to change without notice

Part No.

Compact Air Operated Oil Systems

with 1.000 litre tank and 4 m delivery hose

Oil pump pneuMATO 1:3, pressure ratio 1:3, steel suction tube for 1.000 litre tank with foot valve, **for approved unit with air eliminator valve, double skinned** 1.000 litre oil and waste oil tank, transportable with forklift, including level indicator, drip tray with holder, 4 m delivery hose DN12 (1/2") with swivel nut **either with**

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

The system is also available with a 700 litre tank, price available upon request.

Lube-Tank P-1000T-4 with oil control gun	34 026 55
Lube-Tank P-1000T-4 with DIGIMET E35	34 025 70
Lube-Tank P-1000T-4 with DIGIMET E30 Preset	34 026 62
Lube-Tank P-1000T-4-E with electronic meter	34 034 30



Compact Air Operated Oil Systems

with 1.000 litre tank and 8 m delivery hose

Oil pump pneuMATO 1:3, pressure ratio 1:3, steel suction tube for 1000 Liter Tank with foot valve, **for approved unit with air eliminator valve, double skinned** 1.000 litre oil and waste oil tank, transportable with forklift, including level indicator, drip tray with holder, 8 m delivery hose DN12 (1/2") with swivel nut **either with**

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

The system is also available with a 700 litre tank, price available upon request.

Lube-Tank P-1000T-8 with oil control gun	34 026 79
Lube-Tank P-1000T-8 with DIGIMET E35	34 025 94
Lube-Tank P-1000T-8 with DIGIMET E30 Preset	34 026 86
Lube-Tank P-1000T-8-E with electronic meter	34 034 78



Compact Air Operated Oil Systems

with 1.000 litre tank and 10m hose reel, DN 12

Oil pump pneuMATO 1:3, pressure ratio 1:3, steel suction tube for 1.000 litre tank with foot valve, **for approved unit with air eliminator valve, double skinned** 1.000 litre oil and waste oil tank, transportable with forklift, including level indicator, drip tray with holder, hose reel, open, with 10 m delivery hose DN12 (1/2")

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- DIGIMET E30 preset meter with engine oil nozzle
- Electronic hose end meter

The system is also available with a 700 litre tank, price available upon request.

Lube-Tank P-1000T-R with oil control gun	34 026 93
Lube-Tank P-1000T-R with DIGIMET E35	34 027 30
Lube-Tank P-1000T-R with DIGIMET E30 Preset	34 027 09
Lube-Tank P-1000T-R-E with electronic meter	34 035 60



Pneumatic Oil Pumps for IBC-Container

Description

Images and specifications can be subject to change without notice

Part No.

pneuMATO-Pneumatic Oil Pump Systems

for 1.000 l IBC-container with 4 m delivery hose

Oil pump pneuMATO 1:3, pressure ratio 1:3,
pump bracket with 2" TriSure adaptor (male) to 2" BSP (female),
steel suction tube for 1.000 litre IBC-Container with foot valve,
for approved unit with air eliminator valve,
drip tray with holder,
4 m delivery hose DN12 (1/2") with swivel nut

either with

- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter

(IBC-container not included)



Lube-Station IBC-1000-4 with DIGIMET E35

34 010 09

Lube-Station IBC-1000-4-E with electronic meter

34 010 23

pneuMATO-Pneumatic Oil Pump Systems

for 1.000 l IBC-Container with 10 m Hose Reel DN12

Oil pump pneuMATO 1:3, pressure ratio 1:3,
pump bracket with 2" TriSure adaptor (male) to 2" BSP (female),
steel suction tube for 1.000 litre IBC-Container with foot valve,
for approved unit with air eliminator valve,
drip tray with holder,
hose reel, open, with 10 m delivery hose DN12 (1/2")

either with

- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter

(IBC-container not included)



Lube-Station IBC-1000-R with DIGIMET E35

34 011 08

Lube-Station IBC-1000-R-E with electronic meter

34 011 22



Pneumatic Pumps Units for Anti-Freeze

Description

Images and specifications can be subject to change without notice

Part No.

pneuMATO 1-AF Pump Systems Unit for Anti-Freeze with 4 m delivery hose

Oil pump pneuMATO 1, pressure ratio 1:1,
steel suction tube with foot valve,
4 m delivery hose DN12 (1/2") with swivel nut,
hose end meter DIGIMET E35-AF

pneuMATO 1-AF for 200 litre drum

34 040 24

pneuMATO 1-AF for 1000 litre tank

34 040 48

pneuMATO 1-AF Pump Systems, Mobile

for Anti-Freeze, fits 200 litre drum

Oil pump pneuMATO 1, pressure ratio 1:1,
steel suction tube with foot valve,
4 m delivery hose DN 12 (1/2") with swivel nut **or**
hose reel, open, with 10 m delivery hose DN 12 (1/2"),
robust trolley with holster for control valve, black painted,
2 wheels, 1 swivel castor, hose end meter DIGIMET E35-AF

All versions also available with

**Premium trolley, 2 puncture-proof PU-foamed wheels
and 2 lockable swivel castors**

additional charge (see page 73)

pneuMATO 1-AF mobile with 4 m delivery hose DN12

34 040 79

pneuMATO 1-AF mobile with 10m hose reel DN12

34 040 93

pneuMATO 1-AF Compact Air Operated System

for Anti-Freeze, with 1.000 l tank

Oil pump pneuMATO 1, pressure ratio 1:1,
steel suction tube with foot valve,
4 m delivery hose DN 12 (1/2") with swivel nut **or**
hose reel, open, with 10m delivery hose DN 12 (1/2"),
1000 litres oil and waste oil tank, transportable with
forklift, including level indicator, drip tray with holder,
hose end meter DIGIMET E35-AF

Lube-Tank AF-1000-T-4 with 4 m delivery hose DN12

34 041 16

Lube-Tank AF-1000-T-R with 10m hose reel DN12

34 041 30

pneuMATO 1-AF Pump Systems Unit

for Anti-Freeze, fits 1.000 litre IBC-container

Oil pump pneuMATO 1, pressure ratio 1:1,
pump bracket with 2" TriSure adaptor (male) to 2" BSP (female),
steel suction tube for 1.000 litre IBC-container with foot valve,
4 m delivery hose DN 12 (1/2") with swivel nut **or**
hose reel, open, with 10 m delivery hose DN12 (1/2"),
drip tray with holder, hose end meter DIGIMET E35-AF

(IBC-Container not included)

Lube-Station AF-IBC-1000-4 with 4 m delivery hose DN12

34 042 15

Lube-Station AF-IBC-1000-R with 10 m hose reel DN12

34 042 46



Accessories for Pneumatic Oil Pumps

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

Steel Suction Tube for Air Operated Oil Pumps

Thread 3/4" BSP

Suction tube for 50/60 litre drum	35 618 26
Suction tube for 200 litre drum	35 619 25
Suction tube for 700 litre Schütz tank	35 619 87
Suction tube for 1000 litre Schütz or Roth tank	35 619 49
Suction tube for 1000 litre IBC-container	35 619 63

Plastic Suction Tube for Air Operated Oil Pumps

Thread 3/4" BSP

Plastic telescopic suction tube (520 - 860 mm) with suction filter	35 601 02
Extension tube, PVC, 400 mm	35 600 10

Steel Suction Tube 3/4" BSP

with air eliminator valve

For pump installations with PTB / B.O.T. approval

Suction tube with air eliminator valve for 50/60 litre drum	35 619 01
Suction tube with air eliminator valve for 200 litre drum	35 619 18
Suction tube with air eliminator valve for 700 litre Schütz tank	35 619 70
Suction tube with air eliminator valve for 1000 litre Schütz tank	35 621 06
Suction tube with air eliminator valve for 1000 litre IBC-container	35 620 90

2" BSP Right Angle Drum Fitting with Elbow 90°

1" male to 3/4" female

Right angled drum fitting 2" BSP with elbow 90°	34 704 18
---	-----------

Steel Suction Tube + 2 m Suct.Hose DN 20 (3/4")

for 200 litre drums, in case pump mounted aside of drum

Suction tube with foot valve, 2" BSP Drum Adaptor, 90° elbow and suction hose DN 20(3/4"), 2 meters long

Suction tube and suction hose with foot valve	34 704 56
---	-----------

Connecting Hose DN20 2,0 m

with 1" swivel nuts, i.e. for connecting pump to suction tube

Connecting hose DN20 2,0 m	34 712 00
----------------------------	-----------

Delivery Hose DN12 (1/2")

with 1/2" Swivel Nuts

i. e. for connecting pump to hose end meter

Hose length 1,0 m	34 710 02
Hose length 2,0 m	34 710 26
Hose length 4,0 m	34 710 40
Hose length 8,0 m	34 710 64
Hose length 10,0 m	34 710 88

Pump Bracket

Angled wall bracket with thread R2" female, and for 50/60 litre oil drums

Wall bracket for wall mounting	34 702 72
Pump bracket for 50/60 litre oil drums, 350 - 390 mm	34 702 34



Accessories for Pneumatic Oil Pumps

Description

Images and specifications can be subject to change without notice

Part No.

Air Management System

For installation in the air supply to pneumatic pumps, with pressure regulator, pressure gauge, water filter and lubricator.

It is important that all pneumatic pumps are operated with an air management system to secure the supply of clean, dry and oiled air. Please consult the operation manuals of the pneumatic pumps to see warranty statements.

Air management system

39 902 20

Trolley for 25-60 Litre Oil Containers

Robust, zinc plated trolley complete with barrel fixing bracket

Trolley for 25-60 litres oil containers

34 700 74

Trolley for 200 l Oil Drums or 200 kg Grease Drums

Standard-Trolley for 200 litre / 180 kg drums, **black painted**, robust all steel construction, **2 hard rubber wheels**, **1 lockable swivel castor** and holster for control valve.

Premium-Trolley for 200 litre / 180 kg drums, **black painted**, robust all steel construction, **2 puncture-proof PU-foamed wheels**, **2 lockable swivel castor** and holster for control valve.

New

Standard-Trolley for 200 litre / 180 kg drums

34 701 80

PremiumTrolley for 200 litre / 180 kg drums

34 701 66

Screw Cap for IBC-Container

Screw cap for IBC container, includes 2" TriSure adaptor (male) to 2" BSP (female)

Screw Cap for IBC-Container

34 705 24

2" TriSure-Adaptor (male) to 2" BSP (female)

2" TriSure-Adaptor (male) to 2" BSP (female) for units with 2" drum adaptor

2" TriSure adaptor (male) to 2" BSP (female), orange

34 705 00

Suction Hose DN 20 for

double diaphragm pump DP-60

1,5 m suction hose DN 20, single sided DKR 3/4" with 2" drum adaptor with suction filter and foot valve

Suction hose DN 20

34 711 25

Delivery Hose DN 20 for

double diaphragm pump DP-60

Delivery hose DN 20, double sided DKR 3/4"

Delivery hose DN 20 **4,0 m for DP-60**

34 713 54

Delivery hose DN20 **8,0 m for DP-60**

34 713 92

Double Ended Connector

Designed for DP-60

Double ended connector 3/4"-3/4" AG

39 913 40

Ball Valve Nozzle Assembly for double diaphragm pump DP-60

Ball valve with nozzle for gear oil. Thread: R3/4" female

Ball valve nozzle assembly

34 620 48



mato



Electric Pumps for Engine, Gearbox and Hydraulic Oil

Description

Images and specifications can be subject to change without notice

Part No.

Electric gear pump EP 100

11 l/min. 8 bar

Self priming gear pump, with 3 m cable for mains connection, integrated by-pass pressure regulator and protected on/off switch, for engine, gearbox and hydraulic oils of low to medium viscosity. Not suitable for high flow resistance and long oil promotion distances, offers **moderate pressure performance at moderate flow rate.**

For fluids Hazard Class A3 with a flash point higher than 55° C.

Output: approx. 11 l/min. (SAE30 at free flow)

Max. pressure: approx. 8 bar, suction height up to 2,5 m

Electric data: 230V, 50Hz, 2.9A, 0.37kW, IP55

Threads: 3/4" (outlet) / 1" (inlet)

Electric gear pump EP 100

34 339 32



Electric gear pump EP 200

11 l/min. 16 bar

Pump features are as described above, but designed for use at increased flow resistance and/or long oil promotion distance.

For engine, gear and hydraulic oils of higher viscosity, offers **high pressure performance at moderate flow rate.**

Output: approx. 11 l/min. (SAE30 at free flow)

Max. pressure: approx. 16 bar, Suction height up to 2,5 m

Electric data: 230V, 50Hz, 5.3A, 0.75kW, IP55

Electric gear pump EP 200

34 339 63



Electric gear pump EP 300

22 l/min. 8 bar

Pump features are as described above, but designed for engine, gearbox and hydraulic oils of low to medium viscosity. Not suitable for high resistance and long oil promotion distances, offers **moderate pressure performance at a high flow rate.**

Output: approx. 22 l/min. (SAE30 at free flow)

Max. pressure: approx. 8 bar, suction height up to 2,5 m

Electric data: 230V, 50Hz, 2.9A, 0.37kW, IP55

Electric gear pump EP 300

34 340 14



Electric gear pump EP 400

22 l/min. 16 bar

Pump features are as described above, but designed for use at increased flow resistance and/or long oil promotion distance.

For engine, gear and hydraulic oils of higher viscosity, offers **high pressure performance at high flow rate.**

Output: approx. 22 l/min. (SAE30 at free flow)

Max. pressure: approx. 16 bar, suction height up to 2,5 m

Electric data: 230V, 50Hz, 5.3A, 0.75kW, IP55

Electric gear pump EP 400

34 340 76



Operating advice:

The self-priming electric gear-wheel pumps EP are designed to transfer and dispense oil. An integrated bypass-valve limits the max. oil pressure. The pumps feature a protected switch and must be shut off after operation. Do not let the pumps run more than 5 minutes in by-pass mode against the closed dispense nozzle.

If required, the pump can be upgraded with a pressure relieve device (see page 77 - Art.-Nr. 34 336 97).

EP 100 and EP 300 are suitable for use with engine, gear and hydraulic oils from low to moderate viscosity.

They are not supposed to be used with hose reels and/or set-ups of long oil promotion distances.

EP 200 and EP 400 are suitable for use with engine, gear and hydraulic oils from low to high viscosity.

The achievable pressure rate of 16 bar allows their use with hose reels and/or set-ups of long oil promotion distances.

Electric Pumps for Engine, Gearbox and Hydraulic Oil

Description	Images and specifications can be subject to change without notice	Part No.
-------------	---	----------

Electric Gear Pump EP 200-DS

11 l/min. 16 bar with pressure-switch control

Self priming gear pump, technically identical to basic model EP 200 (p. 75), without accessories, but **equipped with pressure-switch control and pressure-relief device** (please see operating advice and p. 77 - Art.-Nr. 34 336 97).

For fluids Hazard Class A3 with a flash point higher than 55° C.
Threads: 3/4" (outlet) / 1" (inlet)

Output: approx. 11 l/min. (SAE30 at free flow)
Max. pressure: approx. 16 bar, suction height up to 2,5 m
Electric data: 230V, 50Hz, 5.3A, 0.75kW, IP55

Electric gear pump EP 200-DS **34 339 87**



Electric gear pump EP 300-DS

22 l/min. 8 bar with pressure-control switch

Self priming gear pump, technically identical to basic model EP 300 (p. 75), without accessories, but **equipped with pressure-switch control and pressure-relief device** (please see operating advice and p. 77 - Art.-Nr. 34 336 97).

For fluids Hazard Class A3 with a flash point higher than 55° C.
Threads: 3/4" (outlet) / 1" (inlet)

Output: approx. 22 l/min. (SAE30 at free flow)
Max. pressure: approx. 8 bar, suction height up to 2,5 m
Electric data: 230V, 50Hz, 2.9A, 0.37kW, IP55

Electric gear pump EP 300-DS **34 340 38**



Electric gear pump EP 400-DS

22 l/min. 16 bar with pressure-switch control

Self priming gear pump, technically identical to basic model EP 300 (p. 75), without accessories, but **equipped with pressure-switch control and pressure-relief device** (please see operating advice and p. 77 - Art.-Nr. 34 336 97).

For fluids Hazard Class A3 with a flash point higher than 55° C.
Threads: 3/4" (outlet) / 1" (inlet)

Output: approx. 22 l/min. (SAE30 at free flow)
Max. pressure: approx. 16 bar, suction height up to 2,5 m
Electric data: 230V, 50Hz, 5.3A, 0.75kW, IP55

Electric gear pump EP 400-DS **34 340 90**



Operating advice:

The self-priming electric EP gear-wheel pumps are designed to transfer and dispense oil. An integrated bypass-valve limits the max. oil pressure, the pumps are pressure-switch controlled. When the filling gun is closed (pressure builds up), the pump switches off, when the filling gun is opened (pressure decrease), the pump starts to run. Additionally, the pumps come with a pressure relief device (see p. 77 - Art.-No. 34 336 97), which reduces oil pressure inside the system when pumps stand idle, and allow to vent trapped air, i.e. after drum change. After operation (end of shift) the pumps must be switched off and separated from the mains supply.

EP 300-DS is suitable for use with engine, gear and hydraulic oils from low to moderate viscosity. It is not supposed to be used with hose reels and/or set-ups of long oil promotion distances.

EP 200-DS and EP 400-DS are suitable for use with engine, gear and hydraulic oils from low to high viscosity. The achievable pressure rate of 16 bar allows their use with hose reels and/or set-ups of long oil promotion distances.

Please consider that hose and tube diameter, changes in flow direction, promotion distances, oil viscosity and ambient temperatures significantly determine the system's flowrate. In case of doubt please consult with MATO.

Electric Pumps for Engine, Gearbox and Hydraulic Oil

Description

Images and specifications can be subject to change

Part No.

Electric gear pump system EP200-electronic

11 l/min. 16 bar

Self priming gear pump, technically identical to basic model EP 200, but equipped with electronic pump switch management based on pressure- and flow rate (Impulse Control), pressure relief device, and leakage protection (for details see operating advice below). Offers **high pressure performance at moderate flow rate**

For fluids Hazard Class A3 with a flash point higher than 55° C
Threads: 3/4" (outlet) / 1" (inlet)

Output: approx. 11 l/min. (SAE30 at free delivery)
Max. Pressure: approx. 16 bar, Suction head to 2,5 m
Electric Data: 230V, 50Hz, 5.3A, 0.75kW, IP55

Electric gear pump system EP200-electronic

34 368 03

Electric gear pump system EP400-electronic

22 l/min. 16 bar

Self priming gear pump, technically identical to basic model EP 400, but equipped with electronic pump switch management based on pressure- and flow rate (Impulse Control), pressure relief device, and leakage protection (for details see operating advice below). Offers **high pressure performance at high flow rate**

For fluids Hazard Class A3 with a flash point higher than 55° C
Threads: 3/4" (outlet) / 1" (inlet)

Output: approx. 22 l/min. (SAE30 at free delivery)
Max. Pressure: approx. 16 bar, Suction head to 2,5 m
Electric Data: 230V, 50Hz, 5.3A, 0.75kW, IP55

Electric gear pump system EP 400-electronic

34 368 10

Pressure relief device for MATO EP pumps

The device reduces internal system oil pressure when the pumps stands idle and allows to vent trapped air, i.e. after drum change or common system start-up. The product works with MATO EP pumps, starting year 6/2018. During system operation some oil re-flows into the drum. For this reason it is indispensable the reflow hose (1.5 m) is connected to the drum/reservoir.

The device comes with a 2" and 3/4" threaded connector for drum and tank mounting

Pressure relief device for MATO EP pumps

34 336 97

Operating advice:

The self-priming electric gear-wheel pumps EP 200- and EP 400-electronic are designed to transfer and dispense oil from low to high viscosity, at moderate or high flow rates. The high pressure output combined with an electronic pump management through electronically controlled switch behavior makes the pumps particularly suitable for the use with hose reels or for long promotion distances. When the filling gun is closed (pressure builds up), the pump is safely switched off, when the filling gun is opened (pressure decrease), the switch control monitors the flow rate, which is influenced by viscosity, hose diameter, temperature, and operates accordingly. The electronic switch control represents a significant performance increase as compared to electric gear wheel pumps without this feature. Part of the electronic pump management is a leakage protection through the limitation of the pump's runtime that prevents unwanted promotion. The adjustment works in 7 steps, from 2 to 25 minutes, or shut-off.

A pressure relief device (as described above - Art.-Nr. 34 336 97) is integral part of the electronically managed EP pump.

Please consider that hose and tube diameter, changes in flow direction, promotion distances, oil viscosity and ambient temperatures significantly determine the system's flowrate. In case of doubt please consult with MATO.



**Version feature
leakage protection**



Electric Gear Pump Systems for Engine, Gearbox and Hydraulic Oil

Description

Images and specifications can be subject to change without notice

Part No.

Electric Gear Pump System EP100

for 200 litre drum with 4 m delivery hose DN 12

Oil pump EP 100, steel suction tube for 200 litres drum, with 2" drum adaptor and foot valve, 4 m delivery hose DN12 (1/2") with swivel nut

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle

Output: approx. **11 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **8 bar**, suction height up to 2,5 m

EP100 Lube-Station E-200-4 with oil control gun

34 337 10

EP100 Lube-Station E-200-4 with DIGIMET E35

34 337 34

Electric Gear Pump System EP100

for 1.000 litre tank with 4 m delivery hose DN 12

Items described above, but with steel suction tube for 1000 litres tank

(Tank, bracket and drip tray not included)

The system is also available for a 700 l tank, price available upon request

EP100 Lube-Station E-1000-4 with oil control gun

34 337 58

EP100 Lube-Station E-1000-4 with DIGIMET E35

34 337 72

Electric Gear Pump System EP300

for 200 litres drum with 4 m delivery hose DN 20

Oil pump EP 300, steel suction tube for 200 litres drum, with 2" drum adaptor and foot valve,

for approved unit with air eliminator valve,
4 m delivery hose DN20 (3/4") with swivel nut

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. **22 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **8 bar**, suction height up to 2,5 m

EP300 Lube-Station E-200-4 with oil control gun

34 341 06

EP300 Lube-Station E-200-4 with DIGIMET E35

34 341 44

EP300 Lube-Station E-200-4-E with electronic meter

34 352 40

Electric Gear Pump System EP300

for 1.000 litre tank with 4 m delivery hose DN 20

Item as described above, but with steel suction tube for 1000 litres tank

(Tank, bracket and drip tray not included)

The system is also available for a 700 l tank, price available upon request

EP300 Lube-Station E-1000-4 with oil control gun

34 341 20

EP300 Lube-Station E-1000-4 with DIGIMET E35

34 341 82

EP300 Lube-Station E-1000-4-E with electronic meter

34 356 60



Electric Gear Pump Systems for Engine, Gearbox and Hydraulic Oil

Description

Images and specifications can be subject to change without notice

Part No.

Electric Gear Pump System EP300-DS

for 200 litre drum with pressure switch

Oil pump EP 300-DS, steel suction tube for 200 litre drum, with 2" drum adaptor and foot valve, for approved unit with air eliminator valve, 4 m delivery hose DN20 (3/4") with swivel nut

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. 22 l/min. (SAE30 at free delivery)

Max. pressure: approx. 8 bar, suction height up to 2,5 m



EP300-DS Lube-Station E-200-4 with Oil control gun

34 342 36

EP300-DS Lube-Station E-200-4 with DIGIMET E35

34 341 99

EP300-DS Lube-Station E-200-4-E, with electronic Meter

34 353 70

Electric Gear Pump System EP300-DS

for 1.000 litre tank with pressure switch

Item as described above, but with steel suction tube for 1000 litre tank for approved unit with air eliminator valve

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

(Tank, bracket and drip tray not included)

The system is also available with a 700 l tank, price available upon request



EP300-DS Lube-Station E-1000-4 with oil control gun

34 342 50

EP300-DS Lube-Station E-1000-4 with DIGIMET E35

34 342 12

EP300-DS Lube-Station E-1000-4-E with electronic meter

34 359 50

Electric Gear Pump Systems for Engine, Gearbox and Hydraulic Oil

Description

Images and specifications can be subject to change without notice

Part No.

Electric Gear Pump System EP100-F, Mobile

for 200 litre drum with 4 m delivery hose DN 12

Oil pump EP 100, steel suction tube for 200 litre drum with 2" drum adaptor and foot valve, 4 m delivery hose DN12 (1/2") with swivel nut robust trolley with holster for control valve, black painted, 2 wheels, 1 swivel castor

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle

All versions also available with

Premium trolley, 2 puncture-proof PU-foamed wheels and 2 lockable swivel castors

additional charge (see page 73)

Output: **approx. 11 l/min.** (SAE30 at free delivery)

Max. pressure: **approx. 8 bar**, suction height up to 2,5 m

EP100-F, mobile E-200-4 with oil control gun

34 338 19

EP100-F, mobile E-200-4 with DIGIMET E35

34 338 33

Electric Gear Pump System EP200-F, Mobile

for 200 litre drum with 10 m hose reel, DN 12

Oil pump EP 200, steel suction tube for 200 litre drum with 2" drum adaptor and foot valve,

for approved unit with air eliminator valve,

robust trolley with holster for control valve,

black painted, 2 wheels, 1 swivel castor,

hose reel, open, with 10 m delivery hose DN12 (1/2")

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. **11 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **16 bar**, suction height up to 2,5 m

EP200-F, mobile E-200-R with oil control gun

34 338 57

EP200-F, mobile E-200-R with DIGIMET E35

34 338 71

EP200-F, mobile E-200-R-E with electronic meter

34 338 95

Electric Gear Pump System EP300-F, Mobile

for 200 litre drum with 4 m delivery hose DN 20

Oil pump EP 300, steel suction tube for 200 litre drum with 2" drum adaptor and foot valve,

for approved unit with air eliminator valve,

4 m delivery hose DN20 (3/4") with swivel nut

robust trolley with holster for control valve,

black painted, 2 wheels, 1 swivel castor

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. **22 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **8 bar**, suction height up to 2,5 m

EP300-F, mobile E-200-4 with oil control gun

34 343 59

EP300-F, mobile E-200-4 with DIGIMET E35

34 343 80

EP300-F, mobile E-200-4-E with electronic meter

34 366 50



Electric Gear Pump Systems for Engine

Description

Images and specifications can be subject to change without notice

Part No.

Electric Gear Pump System EP100

with 1.000 litre tank and 4 m delivery hose DN12

Oil pump EP 100, steel suction tube for 1000 litre tank with 2" drum adaptor and foot valve, **for approved unit with air eliminator valve**, 4 m delivery hose DN12 (1/2") with swivel nut, 1.000 litre oil and waste oil tank, transportable by forklift, including level indicator, drip tray with holder, pump bracket

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. **11 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **8 bar**, suction height up to 2,5 m

EP100 Lube-Tank E-1000T-4 with Oil control gun

34 345 26

EP100 Lube-Tank E-1000T-4 with DIGIMET E35

34 345 33

EP100 Lube-Tank E-1000T-4-E with electronic meter, approved

34 360 63

Electric Gear Pump System EP300

with 1.000 litre tank and 4 m delivery hose DN20

Oil pump EP 300, steel suction tube for 1000 litre tank with 2" drum adaptor and foot valve, **for approved unit with air eliminator valve**, 4 m delivery hose DN20 (3/4") with swivel nut, 1.000 litre oil and waste oil tank, transportable by forklift, including level indicator, drip tray with holder, pump bracket

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. **22 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **8 bar**, suction height up to 2,5 m

EP300 Lube-Tank E-1000T-4 with oil control gun

34 345 57

EP300 Lube-Tank E-1000T-4 with DIGIMET E35

34 345 40

EP300 Lube-Tank E-1000T-4-E with electronic meter, approved

34 360 70



Compact Electric Oil Pump Systems

Description

Images and specifications can be subject to change without notice

Part No.t

Compact Electric Oil Pump System EP200

with 1.000 litre tank and 10 m hose reel, DN12

Oil pump EP 200, steel suction tube for 1000 litre tank with 2" drum adaptor and foot valve, for approved unit with air eliminator valve, hose reel, open with 10 m delivery hose DN12 (1/2") 1.000 litre oil and waste oil tank, transportable by forklift, including level indicator, drip tray with holder, pump bracket

either with

- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. 11 l/min. (SAE30 at free delivery)

Max. pressure: approx. 16 bar, suction height up to 2,5 m

EP200 Lube-Tank E-1000T-R with DIGIMET E35

34 348 16

EP200 Lube-Tank E-1000T-R-E with electronic meter

34 362 85

Compact Electric Oil Pump System EP200-DS

with 1.000 l tank, pressure switch and hose reel

as described above,

but with pressure switch

Output: approx. **11 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **16 bar**, suction height up to 2,5 m

EP200-DS Lube-Tank E-1000T-R with DIGIMET E35

34 348 23

EP200-DS Lube-Tank E-1000T-R-E with electronic meter

34 364 76

Compact Electric Oil Pump System EP400

with 1.000 litre tank and 8 m hose reel, DN16

Oil pump EP 400, steel suction tube for 1000 litre tank with 2" drum adaptor and foot valve, for approved unit with air eliminator valve, hose reel, open with 8 m delivery hose DN16 (3/4"), 1.000 litre oil and waste oil tank, transportable by forklift, including level indicator, drip tray with holder, pump bracket

either with

- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

Output: approx. **22 l/min.** (SAE30 at free delivery)

Max. Pressure: approx. **16 bar**, Suction head to 2.5 m

EP400 Lube-Tank E-1000T-R with DIGIMET E35

34 348 30

EP400 Lube-Tank E-1000T-R-E with electronic meter

34 363 60

Compact Electric Oil Pump System EP400-DS

with 1.000l tank, pressure switch and hose reel

as described above,

but with pressure switch

Output: approx. **22 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **16 bar**, suction height up to 2,5 m

EP400-DS Lube-Tank E-1000T-R with DIGIMET E35

34 349 60

EP400-DS Lube-Tank E-1000T-R-E with electronic meter

34 364 90



Electric Oil Pump Systems for IBC-Container

Description

Images and specifications can be subject to change without notice

Part No.

Electric Oil Pump System EP100-IBC

for 1.000 l IBC container with 4 m delivery hose

Electric oil pump EP 100,
pump bracket with 2" TriSure adaptor (male) to 2" BSP (female),
steel suction tube for 1.000 litre IBC container with foot valve,
for approved unit with air eliminator valve,
drip tray with holder, 4 m delivery hose DN12 (1/2") with swivel nut

either with

- Oil control gun with engine oil nozzle
- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

(IBC container not included)

Output: approx. **11 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **8 bar**, suction height up to 2,5 m



EP100-IBC Lube-Station E-1000-4 with oil control gun

34 037 20

EP100-IBC Lube-Station E-1000-4 with DIGIMET E35

34 037 51

EP100-IBC Lube-Station E-1000-4-E with electronic meter

34 037 82

Electric Oil Pump System EP400-IBC

for 1.000 l IBC container with 8 m hose reel, DN16

Electric oil pump EP 400,
pump bracket with 2" TriSure adaptor (male) to 2" BSP (female),
steel suction tube for 1.000 litre IBC container with foot valve,
for approved unit with air eliminator valve,
drip tray with holder,
Hose Reel, open with 8 m delivery hose DN16 (3/4")

either with

- DIGIMET E35 hose end meter with engine oil nozzle
- Electronic hose end meter, approved version

(IBC container not included)

Output: approx. **22 l/min.** (SAE30 at free delivery)

Max. pressure: approx. **16 bar**, suction height up to 2,5 m



EP400-IBC Lube-Station E-1000-R with DIGIMET E35

34 038 05

EP400-IBC Lube-Station E-1000-R-E with electronic meter

34 039 04

Accessories for Electric Gear Pumps

Description Images and specifications can be subject to change without notice **Part No.** **EUR / Unit**

Steel Suction Tube for Electric Pumps

with 2" drum adaptor

Steel suction tube with 2" drum adaptor, thread 1"

Steel suction tube for 50/60 litre drum	35 620 21	97,10
Steel suction tube for 200 litre drum	35 620 38	100,70
Steel suction tube for 700 litre tank	35 620 52	105,00
Steel suction tube for 1000 litre tank and IBC container	35 620 76	108,60

Steel Suction Tube for approved Electric Pumps

with air elimination valve

Suction tubes for approved electric pump systems, with 2" drum adaptor

Suction tube with air eliminator valve for 50/60 litre drum	35 618 95	177,10
Suction tube with air eliminator valve for 200 litre drum	35 619 94	181,00
Suction tube with air eliminator valve for 700 litre tank	35 619 56	185,30
Suction tube with air elimin. valve for 1000 l tank and IBC container	35 619 32	189,40

Suction Hose DN 25

with both ends 1" swivel nuts

Suction hose 500 mm R1" straight	34 712 24	78,60
Suction hose 2000 mm R1", 90° elbow at one end	34 712 48	128,90

Delivery Hose DN 20

with both ends 3/4" swivel nuts

Delivery hose DN20 3/4", swivel nuts, 1,5 m	34 713 16	56,60
Delivery hose DN20 3/4", swivel nuts, 4,0 m	34 713 54	86,20
Delivery hose DN20 3/4", swivel nuts, 8,0 m	34 713 92	141,60

Trolley for 200 litre Oil / 180 kg Grease Drums

Standard-Trolley for 200 litre / 180 kg drums, **black painted**, robust all steel construction, **2 hard rubber wheels**, **1 lockable swivel castor** and holster for control valve.

Premium-Trolley for 200 litre / 180 kg drums, **black painted**, robust all steel construction, **2 puncture-proof PU-foamed wheels**, **2 lockable swivel castor** and holster for control valve.

Standard-Trolley for 200 litre / 180 kg drums	34 701 80	432,10
PremiumTrolley for 200 litre / 180 kg drums	34 701 66	526,50

New



Accessories for Electric Gear Pumps

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

Pumps Brackets for Electric Pumps

and hose reels

Suitable for 700 und 1000 litre oil and waste oil tanks

Pump bracket for Schütz tank	700/1000 litre	34 703 26
Pump bracket for Roth tank	700/1000 litre	34 703 33
Pump bracket for Nau + Dehoust tank	700/1000 litre	34 703 40
Pump bracket for 1000 litre IBC-container		34 703 19

Wall Bracket for Electric Pumps

Designed for safe mounting of electric pumps

Wall bracket for electric pumps	34 702 96
---------------------------------	------------------

Carrying Handle for EP300, EP400 and AEP100

Carrying handle for electric gear pumps

Carrying handle for EP300, EP400 and AEP100	35 590 14
---	------------------

Drip Tray with Holder

for oil control gun or hose end meter

Tank or wall mounted,
with removable drip tray

For tank and IBC-container, can be mounted with
special clamps

Drip tray for wall mounting	34 707 60
Drip tray for tank mounting	34 707 77
Drip tray for 1000 litre IBC container	34 708 07

Screw Cap for IBC-Container

Screw cap for IBC container, includes
2" TriSure adaptor (male) to 2" BSP (female)

Screw cap for IBC container	34 705 24
-----------------------------	------------------

2" TriSure-Adaptor (male) to 2" BSP (female)

2" TriSure adaptor (male) to 2" BSP (female),
designed for units with 2" drum adaptor

2" TriSure adaptor (male) to 2" BSP (female)	34 705 00
--	------------------



Electric Pump for Vegetable Oil

Description

Images and specifications can be subject to change without notice

Part No.

Electric Vane Pump EP 60

Self priming vane pump with integral bypass, pressure regulator, 2 m supply cable, designed for vegetable oil and products up to 500 cSt.

Output : approx. 60 l/min (free delivery)

Max. pressure: approx. 6 bar, suction height up to 2,5 m,

Electric data : 230V, 50 Hz, 1.6 KW, IP55

Connections: R 1" female

Electric vane pump EP 60

34 310 20



In Line Flow Meter DIGIMET M100

Volumetric measurement principle, mechanical meter, calibratable, flow rates of between 10-100 litre per minute, maximum operating pressure 10 bar, threads R1" Female, accuracy +/- 1% after calibration, delivery counter 0-999 l resettable, 6 digit totaliser, aluminium body, also suitable for lubricating oils. The cover can be repositioned to suit the preferred direction of flow.

In-line flow meter DIGIMET M100

35 409 06



In Line Flow Meter DIGIMET E100

Volumetric measurement principle, mechanical meter, calibratable, flow rates of between 10-100 litre per minute, maximum operating pressure 30 bar, threads R1" female, accuracy +/- 0,5% after calibration, delivery counter 0-999 litre resettable, 8 digit totaliser, rotatable display, aluminium body, also suitable for lubricating oils.

In-line flow meter DIGIMET E110

35 410 95



Meter Mounting Kit for EP 60

Double ended connector with plastic seal G1"

Meter mounting set for EP 60

35 420 78

Suction Hose DN25 with 2" Drum Adaptor

Fits EP60, EP140 and EP12/24 PLUS, R1" at one end, with suction filter and backlash valve

Suction hose DN25, R1" fittings, 2.0 m

34 712 86

Steel Suction Tube with 2" Drum Adaptor

Steel suction tube for 200 litre drum

35 620 38

Steel suction tube for 700 litre tank

35 620 52

Steel suction tube for 1000 litre tank

35 620 76

Suction Hose DN25

Suction hose with R1" swivel nuts at each end

Suction Hose 500 mm, R1" fittings

34 712 24

Delivery Hose DN25

Fits EP60, EP140 and EP12/24 PLUS, with R1" fittings

Delivery hose DN 25 - hose length 4,0 m

34 715 14

Delivery hose DN 25 - hose length 8,0 m

34 715 76

Automatic Filling Gun AZ for Vegetable Oil

Suitable for flow rates up to 80 l/min.,

with swivel, R1" male thread,

designed for vegetable oil and products up to 500 cSt.

Automatic filling gun AZ for vegetable oil, flow rate up to 60 l/min.

34 393 92

Automatic filling gun AZ for vegetable oil, flow rate up to 80 l/min.

34 394 22



mato



Hose End Meters and Filling Guns for Lubricating Oil

Description	Images and specifications can be subject to change without notice	Part No.
-------------	---	----------

Oil Filling Gun with Protector and Swivel

Swivel and 2 double threaded connectors
 1/2"-1/2" (male) &
 1/2"-3/4" (male) included,
 max. working pressure 100 bar

Oil filling gun without nozzle **35 400 36**

Oil filling gun with non-drip nozzle for engine oil **35 401 73**

Oil filling gun for gear oil without non-drip nozzle **35 402 27**

Oil filling gun for gear oil with non-drip nozzle **35 402 03**

Oil filling gun with hose and non-drip nozzle for engine oil **35 403 33**



Electronic Line Meter DIGIMET E35

Resettable with LCD Display.
 For details and technical data see below

DIGIMET E35 in-line meter 1/2" female **35 410 02**

DIGIMET E35 in-line meter 1/2" male/female **35 410 19**

DIGIMET E35 in-line meter 3/4" male/female **35 410 33**



DIGIMET E35 Hose End Meter

Equipped with LCD display, swivel, with nozzle and oil filling gun,
 maximum flow rate 35 l/min, 2 displays (totaliser and
 resettable display of dispense), accuracy +/- 0.5 %,
 with protector, calibratable,
 with nipples for 1/2" and 3/4" outlets,
 max. 100 bar, facility for flow rate metering

DIGIMET E35 hose end meter without nozzle **35 411 63**

DIGIMET E35 hose end meter with non-drip nozzle for engine oil **35 411 70**

DIGIMET E35 hose end meter for gear oil without non-drip nozzle **35 411 87**

DIGIMET E35 hose end meter for gear oil with non-drip nozzle **35 411 94**

DIGIMET E35 with hose and non-drip nozzle for engine oil **35 412 17**



Hose End Meters and Filling Guns for Lubricating Oil

Description

Images and specifications can be subject to change without notice

Part No.

DIGIMET E30 for Preset Delivery

Preset delivery from 0.1 to 99.9 litre, automatic shut-off when preset volume reached, accuracy +/- 0.5%, working pressure max. 67 bar, swivel and double ended connector 1/2" - 3/4" male, electronic LCD display



DIGIMET E30 Preset without extension

35 414 15

DIGIMET E30 Preset with non-drip nozzle for engine oil

35 414 22

DIGIMET E30 Preset for gear oil with non-drip nozzle

35 414 39

DIGIMET E30 Preset with hose and non-drip nozzle for engine oil

35 414 46



Electronic Hose End Meter , with swivel

calibratable to legal measuring standards

Electronic hose end meter, designed to meet the European Measurements Instrument Directive MID, based on **OIML R117**.

Unit features permanent data memory, resettable digital display, max. working pressure 100 bar, flow range: 1 - 10 l/min.

Accuracy +/- 0.3% (8-2000 mPas), with double threaded connectors 1/2" and 3/4" male.

(Producer calibration certificate included).

Only MATO oil transfer systems that are configured with this meter AND electric/pneumatic pump components made by MATO meet the directives of MID!



Electronic hose end meter MID, without nozzle

35 414 91

Electronic hose end meter MID, with non-drip nozzle for engine oil

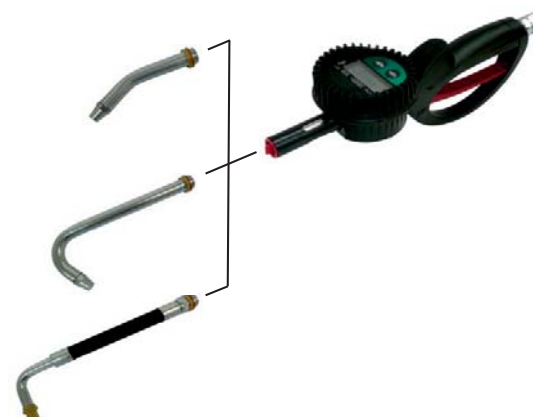
35 415 07

Electronic hose end meter MID, for gear oil with non-drip nozzle

35 415 14

Electronic hose end meter MID, with hose and non-drip nozzle for engine oil

35 415 21



Hose End Meters for Various Liquids and Accessories for Meters

Description	Part No.
-------------	----------

Images and specifications can be subject to change without notice

DIGIMET E35-AF Hose End Meter

for anti-freeze and water based fluids

Equipped with LCD display, swivel, with gun and non-drip nozzle, maximum flow rate 35 l/min, 2 displays (totaliser and resettable display of dispense), accuracy +/- 0.5 %, with protector, calibratable, with nipples for 1/2" and 3/4" outlets max. 100 bar, facility for flow rate metering

Brake fluids and other fluids on request!

DIGIMET E35-AF hose end meter with hose and non-drip nozzle **35 412 31**

Electronic Line Meter DIGIMET E35-AF

Resettable with LCD display, 5-digit, 1/2" inlets, for technical data see DIGIMET E35-AF hose end meter

Electronic line meter DIGIMET E35-AF **35 410 71**

DIGIMET E35-WS Hose End Meter

for windscreen cleaner and AdBlue®

Equipped with LCD display, 5-digit, PVC measuring chamber, viton seals, swivel and nozzle in stainless steel, flow rate 0.5l to 35 l/min.

2 displays (totaliser and resettable display of dispense), accuracy +/- 0.5 % calibratable, with R1/2" female thread, max. 10 bar, facility for Flow Rate Metering

DIGIMET E35-WS hose end meter with non-drip nozzle **35 412 48**

Accessories for Oil Filling Guns and Hose Meters

Nozzle with non-drip nozzle for engine oil **35 402 58**

Nozzle for gear oil without non-drip nozzle **35 402 72**

Nozzle for gear oil with non-drip nozzle **35 402 65**

Flexible hose with non-drip nozzle for engine oil **35 402 96**

Inspection window for approved hose end meter **35 412 93**

Straight swivel, 1/2" female / male **35 490 08**

Double ended connector 1/2" - 1/2" male **39 912 03**

Double ended connector 1/2" - 3/4" male **39 912 34**

Rubber protector for hose end Meter and line meter **35 412 62**



Solenoid Valve, Pulse Meter

Description

Images and specifications can be subject to change without notice

Part No.

Solenoid Valve 24V DC

for lubricating oils, diesel and light fuel oil

Connecting threads: 1/2" female, inlet/outlet 90°,
working pressure: max. 207 bar (3,000 psi), max. flow 35 l/min.

Solenoid valve 24V DC

35 805 20

Solenoid Valve AF-24V DC

for Anti-Freeze and hydrous fluids

Connecting threads: 1/2" female, Inlet/Outlet 180°
Working pressure: max. 16 bar (230 psi), max. flow 35 l/min.

Solenoid valve AF-24V DC

35 805 44

Solenoid Valve HP-24V DC

for grease

Connecting threads: R3/8" female, inlet/outlet 90°,
working pressure: max. 400 bar (5,800 psi), max. flow 500 g/min.

Solenoid valve HP-24V DC

35 805 75

Pulse Meter

for lubricating oils, diesel and light fuel oil

Output: 100 Pulses per litre (1 channel)
Connecting threads: 1/2" female
Accuracy: +/- 0,5%, Pmax 80 bar (1.160 psi), 0,5 - 40 l/min.

Suitable for engine, gearbox and hydraulic oils,
as well as diesel and light fuel oil

Pulse meter

35 806 29

Pulse Meter, approved

without display for lubricating oils

Output: 2x100 = 200 pulses per litre (2 channels)
Connecting threads: 1/2" female
Accuracy: +/- 0,3%, Pmax 70 bar (1.015 psi), 0,5 - 35 l/min.

Suitable for engine, gearbox and hydraulic oils

Pulse Meter without display, approved

35 806 67

Pulse Meter, approved

with display for lubricating oils

Output: 2x100 = 200 pulses per litre (2 channels)
Connecting threads: 1/2" female
Accuracy: +/- 0,3%, Pmax 70 bar (1.015 psi), 0,5 - 35 l/min.
including Certificate of Approval: 1-10 l/min

Suitable for engine, gearbox and hydraulic oils

Pulse Meter with display, approved

35 806 50

Pulse Meter AF

for Anti-Freeze and hydrous fluids

Output: 100 pulses per litre (1 channel)
Connecting threads: 1/2" female
Accuracy: +/- 0,5%, Pmax 100 bar (1,450 psi), 1 - 35 l/min

Brake fluids and other fluids on request!

Pulse meter AF

35 806 36

Pulse Meter DIGIMET E5-P

for Grease

Output: 1.400 Pulses per litre (1 channel)
Connecting threads: 1/8" female
Accuracy: +/- 0,5%, Pmax 1.000 bar (14.500 psi),
max. flow: 100 - 2.500 ccm/min.

Pulse meter DIGIMET E5-P

35 417 12



mato



Hose Reels, Open and Accessories

Description

Images and specifications can be subject to change without notice

Part No.

Hose Reel, open

with swivel and hose stopper, max. 60 bar (870 psi)

Designed for wall, ceiling and floor mounting, suitable for engine, gearbox and hydraulic oils, as well as diesel, light fuel oil and Anti-Freeze

Connecting threads on model **DN 12 (1/2")**

Hose: 1/2" swivel nuts, swivel 1/2" male

Connecting threads on model **DN 16 (3/4")**

Hose: 3/4" swivel nuts, swivel 3/4" male

Hose reel, open, without hose for max. 15 m hose DN12 (1/2")

35 204 10

Hose reel, open, without hose for max.12 m hose DN16 (3/4")

35 204 34

Hose reel, open, with 10 m hose DN 12 (1/2")

35 210 04

Hose reel, open, with 15 m hose DN 12 (1/2")

35 210 11

Hose reel, open, with 8 m hose DN 16 (3/4")

35 210 35

Hose reel, open, with 12 m hose DN 16 (3/4")

35 210 59



Hose Reel with Stainless Steel Shaft, open

stainless steel swivel, max. 300 bar (4.350 psi)

Suitable for e.g. windshield cleaner, water, AdBlue® and neutral emulsions. Further liquids upon request.

EPDM-hose, conductive DN12 (1/2") max. 20 bar,
stainless steel (1.4305) swivel R1/2" outlet

Hose reel with stainless steel shaft, open, without hose

35 211 03

Hose reel with stainless steel shaft, open, with 10 m hose DN 12

35 211 27

Hose reel with stainless steel shaft, open, with 15 m hose DN 12

35 211 41



Hose Reel for Grease, open, with Swivel

and hose stopper, max. 500 bar (7.350 psi)

Designed for wall, ceiling and floor mounting, suitable for use in high pressure applications

Hose: 1/4" outlet, swivel 1/4" female

Hose reel for grease, open, without hose

35 307 30

Hose reel for grease, open, with 10 m hose DN 6 (1/4")

35 310 03

Hose reel for grease, open, with 15 m hose DN 6 (1/4")

35 315 15



Swivels

Brass swivel for oil, diesel, anti-freeze, etc., max. 60 bar
stainless steel swivel for e.g. windshield cleaner, water

AdBlue®, max. 300 bar

Galvanized steel swivel for grease, max. 500 bar

Swivel for hose reel DN 12 - 1/2" outlets

35 219 98

Swivel for hose reel DN 16 - 1/2" - 3/4" outlets

35 220 01

Swivel for hose reel with stainless steel shaft, 1/2" outlets

35 221 00

Swivel for hose reel for grease, 1/2" - 1/4" outlet/inlet

35 319 97



EPDM-hose, conductive

Connecting hose for hose reel, open with stainless steel shaft
incl. swivel nuts 1/2" in stainless steel, max. 20 bar

EPDM-hose, conductive 1 m

34 620 79



Wall Bracket for open Hose Reels

This special mounting bracket enables the open hose reels to swivel.

The full range of swivel is 120 degrees.

Wall Bracket for open Hose Reels

35 321 23



Hose Reels, Cased and Accessories

Description

Images and specifications can be subject to change without notice

Part No.

Hose Reel, Cased

with hose stopper, max 60 bar (870 psi)

Designed for wall, ceiling and floor mounting suitable for engine, gearbox and hydraulic oils, as well as diesel, light fuel oil and Anti-Freeze

Robust Hose Reel with powder coated metal case. Cases can be configured with three different versions of hose outlet window. Rows of cased reels can be mounted side by side without space gaps.

External thread for Unit DN 12 - 1/2" outlet

External thread for Unit DN 16 - 3/4" outlet

Dimensions: height/width/depth 470 / 215 / 500 mm

Hose reel, cased, with 10 m hose DN 12 (1/2") **35 230 39**

Hose Reel, cased, with 15 m hose DN 12 (1/2") **35 230 60**

Hose reel, cased, with 8 m hose DN 16 (3/4") **35 232 06**

Hose Reel, cased, with 12 m hose DN 16 (3/4") **35 232 37**

Hose Reel, Cased, for Grease

with hose stopper, max. 500 bar

Designed for wall, ceiling and floor mounting suitable for use in high pressure applications. Different configurations possible, see above.

External Thread 1/4" outlet

Hose reel, cased, for grease with 10 m hose DN 6 (1/4") **35 235 10**

Hose reel, cased, for grease with 15 m hose DN 6 (1/4") **35 235 41**

Wall Bracket for cased Hose Reels

This special mounting bracket enables the cased hose reels to swivel. The full range of swivel is 120 degrees

Wall Bracket for cased Hose Reels **35 321 85**

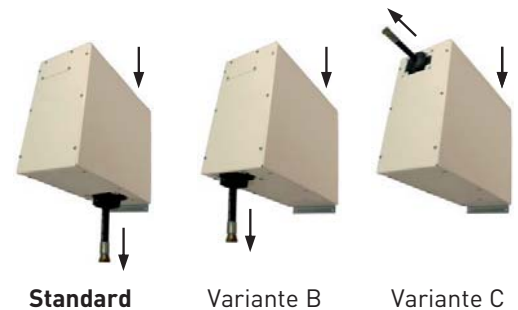
Mounting Installation Kit for

cased Hose Reels

Cased Hose Reels can be wall or ceiling mounted with these kits

Mounting Installation Kit for 2 cased Hose Reels **35 324 20**

Mounting Installation Kit for 3 cased Hose Reels **35 324 37**



Hose Reel for Compressed Air, Aluminum Hose Retainer

Description

Images and specifications can be subject to change without notice

Part No.

Hose Reel for Compressed Air, Cased

Cased hose reel for air, with swivel bracket for wall mounting, portable/mobile, can be detached from bracket with carry handle

hose length 11 m, 8x12, with hose stopper

inlet hose 1,5 m, connecting thread 1/4"

Maximum working pressure: 20 bar (290 psi)

Wall bracket for air hose reel

35 322 60



Cased hose reel for compressed air

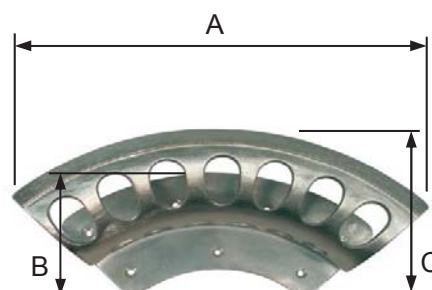
34 024 02

Aluminum Hose Retainer

The hose retainers are perfectly suitable for hoses, cables and ropes.

Variable screw-hole pattern (7 holes) allow for flexible wall mounting.

The countersunk holes ensure a smooth and flat surface



Dimensions:

Aluminum hose retainer small

A: 186 mm B: 75 mm C: 85 mm D: 57 mm

Aluminum hose retainer medium

A: 248 mm B: 96 mm C: 118 mm D: 97 mm

Aluminum hose retainer big

A: 336 mm B: 124 mm C: 152 mm D: 132 mm

Aluminum hose retainer oversize

A: 358 mm B: 124 mm C: 152 mm D: 132 mm

Aluminum hose retainer small

35 198 10

Aluminum hose retainer medium

35 198 27

Aluminum hose retainer big

35 198 34

Aluminum hose retainer oversize

35 198 41

Waste Oil Drainers, Mobile

Description

Images and specifications can be subject to change without notice

Part N.

Waste Oil Drainer 75 l, Mobile with air pressure discharge

Mobile waste oil drainer, reservoir capacity 75 l, with 2 fixed wheels and 2 swivel castors, drain bowl diameter Ø 420/560 mm, height adjustable sight level gauge, tool tray, discharge hose 2 metres with angled spout (suction probe connection Ø 12 mm)

Waste oil drainer 75 l, mobile, with air pressure discharge

35 541 87

Waste Oil Drainer and Vacuum Extraction Unit w/o inspection chamber, with air pr. discharge

Fully mobile waste oil drainer and vacuum extraction unit, with 2 fixed wheels and 2 swivel castors, reservoir capacity 75 l with air pressure gauge, tool tray, 2 m suction hose with snap-on coupling system for the included suction probes. 2 m discharge hose with angled spout, extendable tube with swivelling drain bowl with filter mesh (Ø 420/560 mm)

Accessories:

2 suction probes, rigid, Ø 5 and 6 mm, 680 mm long
3 suction probes, flexible, Ø 5, 6 and 8 mm, 680 mm long
1 suction probe, flexible, Ø 7 mm, 980 mm long
(suction probe connection Ø 12 mm)

Waste oil drainer and vacuum extraction 75 l w/o inspection chamber

35 543 47

Waste Oil Drainer and Vacuum Extraction Unit with inspection chamber, with air pr. discharge

Fully mobile waste oil drainer and vacuum extraction unit, with 2 fixed wheels and 2 swivel castors, reservoir capacity 75 l with air pressure gauge, inspection chamber capacity 10 l, tool tray, 2 m suction hose with snap-on coupling system for the included suction probes. 2 m discharge hose with angled spout, extendable tube with swivelling drain bowl with filter mesh (Ø 420/560 mm)

Accessories:

2 suction probes, rigid, Ø 5 and 6 mm, 680 mm long
3 suction probes, flexible, Ø 5, 6 and 8 mm, 680 mm long
1 suction probe, flexible, Ø 7 mm, 980 mm long
(suction probe connection Ø 12 mm)

Waste oil drainer and vacuum extraction 75 l with inspection chamber

35 543 78



Waste Oil Pumps and Accessories

Description

Images and specifications can be subject to change without notice

Part No.

Electric Gear Pump AEP 100 for Waste Oil

Self priming gear pump with accessories for clean handling of waste oil.

Delivery pressure max: 8 bar,
output: 10 l/min. free delivery (SAE15W-40)

Threads: 3/4"

Motor: 0.37 KW, 230V, 50 Hz, 2.9 A, IP 55

Accessories: suction hose, suction probes, oil change adaptor, suction pipe, 4 meters delivery hose, elbow with 2" drum adaptor and snap-on coupling.

(suction probe connection \varnothing 16 mm)



Electric gear pump system AEP 100

35 505 23

Electric gear pump AEP 100 with suction filter

35 505 09

Carrying Handle for AEP 100

Carrying Handle for AEP 100

35 590 14



Suction-Probe Adaptor

Adaptor for suction probes,
reduction from \varnothing 16 mm to \varnothing 12 mm



Suction probe adaptor \varnothing 16/12 mm

35 548 59

Suction Probes and Adaptors for waste oil drainer

Suction-probe connection \varnothing 12 mm

Flexible suction probe, \varnothing = 5 mm length = 680 mm

35 548 04

Flexible suction probe, \varnothing = 6 mm length = 680 mm

35 548 11

Flexible suction probe, \varnothing = 7 mm length = 980 mm

35 548 28

Flexible suction probe, \varnothing = 8 mm length = 680 mm

35 548 35

Rigid suction probe, \varnothing = 5 mm length = 680

35 549 03

Rigid suction probe, \varnothing = 6 mm length = 680

35 549 10

Suction adaptor for VW

35 547 05

Suction adaptor for BMW

35 547 12

Suction adaptor for Citroen

35 547 29



Waste Oil Funnels and Liquid Extraction and Transfer Units

Description

Images and specifications can be subject to change without notice

Part No.

Waste Oil Collecting Funnel, 400 / 560 mm

Waste oil collecting funnel, \varnothing 400 / 560 mm
designed to fit to container with R2" drum adaptor

Metal funnel \varnothing 400 mm
 \varnothing 560 mm plastic top with insert mesh

750 mm pipe length with ball valve
R2" bung adapter vertical individually adjustable

Waste Oil Collecting Funnel, 400 / 560 mm

35 549 58

Plastic Funnel with Flap Lid

Plastic funnel with stainless steel strainer
and lockable flap lid
Suitable for waste oil and chemical disposal
Material: PP
Diameter: 250 mm

Thread: R2" and 2" TriSure, male

Funnel FSC-PP-250 (\varnothing 250 mm) with flap lid

33 517 00

Liquid Extraction and Transfer Unit, Static

The extraction and discharge unit with 6 l capacity
is suitable for fluids such as oil, diesel, emulsions,
water, coolants and other non-aggressive fluids.
Not suitable for liquids with A1 flash point $<21^{\circ}$ C
(Gasoline, aviation fuel, etc.)

Accessories:

1,5 m suction and discharge hose with ball valve
and snap-on connector for suction probes
including 2 flexible suction probes
6 and 8 mm diameter, 680 mm long
(Suction Probe Connection \varnothing 16 mm)

For more suction probes and suction adaptors please
see accessories for waste oil pumps

Liquid extraction and discharge unit 6 l, static

35 554 12

Liquid Extraction and Transfer Unit, Static

The extraction and discharge unit with 18 l capacity
is suitable for fluids such as oil, diesel, emulsions,
water, coolants and other non-aggressive fluids.
Not suitable for liquids with A1 flash point $<21^{\circ}$ C
(Gasoline, aviation fuel, etc.)

Accessories:

1,5 m suction and discharge hose with ball valve
and snap-on connector for suction probes
including 2 flexible suction probes
6 and 8 mm diameter, 680 mm long
(Suction Probe Connection \varnothing 16 mm)

For more suction probes and suction adaptors please
see accessories for waste oil pumps

Liquid extraction and discharge unit 18 l, mobile

35 554 43



Oil and Waste Oil Tanks, Safety Drum Stand, Tank Level Monitors

Description

Images and specifications can be subject to change without notice

Part No.

Oil and Waste Oil Tank

double walled, transportable by forklift

Authorised for use with fluids according Hazard Class A3, inner tank of seamless, blow moulded HDPE, galvanised steel outer skin, corrosion resistant and maintenance free, no additional leakage precautions required. Level gauge fitted. Clear visual indication of leakage.

Dimensions (Length x Width x Height):

1135 x 720 x 1210 mm (700 litre)

1135 x 720 x 1640 mm (1.000 litre)

Fresh oil and waste oil tank, 700 litre

35 507 14

Fresh oil and waste oil tank, 1.000 litre

35 510 18

Safety Drum Stand (German TÜV/GS approved)

Galvanized or painted drum stand with galvanised mesh, space for maximum of two 200 litre drums, sump capacity 205 litre

Maximum loading: 500 kg

Item weight: 61 kg (approx.)

Painted drum stand for 2 x 200 litre oil drums, 1.200x800x325 mm

35 510 87

Galvanized drum stand for 2x 200 litre oil drums, 1.200x800x325 mm

35 510 70

Excess Fill-Level Alarm

With integrated visual and acoustic alarms.

Switch to acknowledge alarm system.

Approved for lubricating and waste oils.

Control unit and connections with integral warning lamp and acoustic alarm.

Power supply 230V 1ph 50Hz without mains cable.

Level indicator with 1" connection and Adaptor 1" to 2", probe length 500 mm with 3 metres of connecting cable.

For fuel oil, diesel oil, waste oil and non adhesive emulsions.

Overfill Level Alarm

35 610 24

Limit Controller

as per TRbF 511 (6/82)

Suitable for fuel oil (EL DIN 51603), diesel fuel (DIN 51601)

with 1" connector and adaptor 1" to 2",

adjustable from 70 to 331 mm long (in accordance with operating instructions). Connecting cable 1,2 m.

German PTB approval: 01/PTB III B/S 1014-1

General inspection approval: Z - 65.17 - 182

Limit Controller according to TRbF511 (6/82)

35 610 00

Tank Filler Point

Tank filler point with screw cap

90° elbow, 2" connection.

Tank filler point

35 698 08

Tank Air Vent 2"

Features vent pipe with 2" thread and vent cover.

Tank air vent, thread 2"

35 698 46



mato



Electric Pumps for Diesel, Light Fuel Oil and Similar Fluids

Description

Images and specifications can be subject to change without notice

Part No.

Universal DRILL - PUMP

Pump housing made from glass reinforced plastic, inner casing of brass, stainless steel shaft, housing cover in brass, vanes of glass reinforced plastic. Suitable for diesel, light fuel oil, water, anti-freeze, neutral emulsions, please check for compatibility with other fluids.

Max. drive speed: 2,000 to 2,500 l/min. Max. output 60 l/min., suction height: up to 1.5 m, hose connection 1", axle Ø 8 mm

Universal DRILL - PUMP

34 305 80

Self Priming Pump 12 or 24 Volt

Self priming electric vane pump 3/4" (female), IP 54, 1bar, with clips for battery terminals, suitable for diesel and light heating oil.

Technical Data:

Pump EP 12 12 V, 120 W, 16 A approx. 36 l/min. (free delivery)

Pump EP 24 24 V, 120 W, 8 A approx. 40 l/min. (free delivery)

Pump EP12

34 304 05

Pump EP24

34 304 29

Pump EP 55, Self Priming

Self priming vane pump with integral by-pass pressure regulator, anti syphon valve, mains cable, nozzle holster, 2" BSP bung adaptor,

Output: 55 l/min. free delivery, max. pressure: 2 bar

Output: approx. 55 l/min. (free delivery)

Max. pressure: approx. 2 bar

Electric data : 230V, 50Hz, IP55, 0,46 kW

Suction height: up to 2,5 m

EP 55 Pump without accessories (threads 1" female)

34 315 01

EP 55 Pump with bung adaptor and nozzle holster

34 315 18

Electric Vane Pump EP60

Self priming vane pump with integral bypass pressure regulator, 2m mains cable, designed for vegetable oil and products up to 500 cSt.

Output: approx. 60 l/min. (free delivery)

Max. pressure: approx. 6 bar

Electric data: 230V, 50Hz, IP55, 1.6 kW

Threads: R 1" female

Suction height: up to 2,5 m

Electric vane pump EP 60

34 310 20

Electric Vane Pump EP140

Self priming electric vane pump with integral by-pass pressure regulator, 3 m mains cable, on/off switch

Output: approx. 80 l/min. (free delivery)

Max. pressure: 1.6 bar / 23 psi approx.

Electrical data: 230 V, 50 Hz, IP 55, 0.5 KW

Threads: inlet and outlet 1" BSP (male)

Suction height: 2,5 m

Electric Vane Pump EP140

34 382 10

Electric Vane Pump EP12 PLUS

Self priming electric vane pump with integral by-pass pressure regulator, 3 m mains cable and clips for battery terminals

Output: approx. 80 l/min. (free delivery)

Max. pressure: 1.6 bar / 23 psi approx.

Electrical detail: 12 V DC, IP 55, 037 KW

Threads: inlet and outlet 1" BSP (male)

Suction height: up to 2,5 m

Electric vane pump EP12 PLUS

34 380 12

Electric Vane Pump EP24 PLUS

Self priming electric vane pump with integral by-pass pressure regulator, 3 m mains cable and clips for battery terminals

as per above specification, but with 24V DC

Electric vane pump EP24 PLUS

34 381 28



Electric Pumps for Diesel and Light Fuel Oil (High Performance)

Description

Images and specifications can be subject to change without notice

Part No.

Universal Electric Drum Pump AP 30L

not self priming

Universal, ready to use transfer pump kit with priming lever, for diesel and fuel oil, 2" BSP and M64 x 4 bung adaptor.

Kit also includes: 1,25 PVC textile suction hose, 2,5 m reinforced delivery hose, suction filter, filler nozzle and hose clips.

Not suitable for water or other fluids!

Technical Data:

AP 30L/230: 230 V AC/50HZ, 0.20kW / 0.9A, approx. 30 l/min.

AP 30L/12: 12 V DC, 0.11kW / 9.2A, approx. 25 l/min.

AP 30L/24: 24 V DC, 0.125kW / 5.2A, approx. 25 l/min.

Electric barrel pump	AP 30L/230	34 303 44
Electric barrel pump	AP 30L/12	34 303 06
Electric barrel pump	AP 30L/24	34 303 20



Electric Pump Kit EP 12 / EP 24

Self priming electric vane pump for connection to a battery.

For storage tanks on construction sites and in agriculture.

Suitable for use with diesel and light heating oil.

Contact us for compatibility with other fluids.

Delivery pressure 1bar.

delivery hose 3,5 m DN20 3/4"

plastic suction hose 1,5 m 3/4" x 19, trigger nozzle S deluxe

Technical data:

EP 12: 12 V DC, 120 W, 16A, approx. 36 l/min. (free delivery)

EP 24: 24 V DC, 120 W, 8A, approx. 40 l/min. (free delivery)

Electric pump kit EP 12 (12 V electric pump)	34 304 12
Electric pump kit EP 24 (24 V electric pump)	34 304 36



Tank Kit EP 55-S

Complete tank kit, including:

pump EP 55 (technical details see p. 101),

1,5 m reinforced suction hose DN 20 (3/4")

with suction filter and foot valve,

delivery hose DN 20 (3/4"),

suction and delivery hose with swivel nuts,

for easy and safe fitting,

nozzle with swivel

Tank kit EP 55 - S with 4 m delivery hose	34 319 45
Tank kit EP 55-AZ with 8 m delivery hose	34 319 83



Tank Kit EP 55-S with Meter

Complete tank kit, including:

pump EP 55 (technical details see p. 101),

1,5 m reinforced suction hose DN 20 (3/4")

with suction filter and foot valve,

delivery hose DN 20 (3/4"),

suction and delivery hose with swivel nuts

for easy and safe fitting,

flow meter DIGIMET M80 mechanical,

resettable dispense volume 0-999 litre, 6 digit totaliser.

Tank kit EP 55-S with meter, 4 m delivery hose	34 319 52
Tank kit EP 55-S with meter, 8 m delivery hose	34 319 90



Electric Pumps for Diesel, Light Fuel Oil and Similar Fuels

Description

Images and specifications can be subject to change without notice

Part No.

Tank Kit EP 55-AZS

Tank kit includes:

pump EP 55 (technical details see p. 101),
output 55 l/min (free flow),
1,5 m reinforced suction hose DN 20 (3/4")
with suction filter and backlash valve, delivery hose DN 20 (3/4"),
**suction and delivery hose with swivel nuts
for easy and safe fitting,
automatic shut-off nozzle AZS/80 l with swivel**

(Please check according to local regulations.

Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

(Tank not included)

Tank kit EP 55-AZS with 4 m delivery hose **34 320 41**

Tank kit EP 55-AZS with 8 m delivery hose **34 320 89**

Tank kit EP 55-AZS with meter

Tank kit as described above, but with

flow meter DIGIMET M80 mechanical counter,
resettable dispense volume 0-999 litre, 6 digit totaliser.

(Please check according to local regulations.

Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

Tank kit EP 55-AZS with meter, 4 m delivery hose **34 320 58**

Tank kit EP 55-AZS with meter, 8 m delivery hose **34 320 96**

Tank kit EP 55-AZS-T

Tank kit includes:

pump EP 55 (technical details see p. 101),
output 55 l/min (free flow),
double-wall safety-tank with transportation approval 1.000 l,
1,5 m reinforced suction hose DN 20 (3/4")
with suction filter and backlash valve, delivery hose DN 20 (3/4"),
**suction and delivery hose with swivel nuts
for easy and safe fitting,
automatic shut-off nozzle AZS/80 l with swivel**

(Please check according to local regulations.

Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

(Supplied with tank, pump-kit pre-installed)

Tank kit EP 55-AZS-T with 4 m delivery hose **34 322 01**

Tank kit EP 55-AZS-T with 8 m delivery hose **34 322 25**

Tank kit EP 55-AZS-T with meter

Tank kit as described above, but with

flow meter DIGIMET M80 mechanical counter,
resettable dispense volume 0-999 litre, 6 digit totaliser.

(Please check according to local regulations.

Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

Tank kit EP 55-AZS-T with meter, 4 m delivery hose **34 323 00**

Tank kit EP 55-AZS-T with meter, 8 m delivery hose **34 323 24**



Electric Pumps for Diesel, Light Fuel Oil and Similar Fuels

Description

Images and specifications can be subject to change without notice

Part No.

Tank Kit EP 140-AZS

Tank kit includes:

pump EP 140 (technical details see p. 101),
output 80 l/min (free flow),
1,5 m reinforced suction hose DN 25 (1")
with suction filter and backlash valve, delivery hose DN 25 (3/4"),
suction and delivery hose with swivel nuts for easy and safe fitting,
automatic shut-off nozzle AZS/120 l with swivel

(Please check according to local regulations.

Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

(Tank, pump bracket and drip tray not included)

Tank kit EP 140-AZS with 4 m delivery hose **34 324 09**

Tank kit EP 140-AZS with 8 m delivery hose **34 324 16**

Tank Kit EP 140-AZS with Meter

Tank kit as described above, but with

flow meter DIGIMET M80 mechanical counter,
resettable dispense volume 0-999 litre, 6 digit totaliser.

(Please check according to local regulations.

Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

Tank kit EP 140-AZS with 4 m delivery hose **34 324 61**

Tank kit EP 140-AZS with 8 m delivery hose **34 324 78**

Tank kit EP 140-AZS-T

Tank kit includes:

pump EP 140 (technical details see p. 101),
output 80 l/min (free flow),
double-wall safety-tank with transportation approval 1.000 l,
drip tray with retainer, pump-kit bracket,
1,5 m reinforced suction hose DN 25 (1")
with suction filter and backlash valve, delivery hose DN 25 (3/4"),
suction and delivery hose with swivel nuts for easy and safe fitting,
automatic shut-off nozzle AZS/120 l with swivel

(Please check according to local regulations.

Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

(Supplied with tank, pump-kit pre-installed)

Tank kit EP 140-AZS-T, 4 m delivery hose **34 325 15**

Tank kit EP 140-AZS-T, 8 m delivery hose **34 325 22**

Tank Kit EP 140-AZS-T with Meter

Tank kit as described above, but with

flow meter DIGIMET M80 mechanical counter,
resettable dispense volume 0-999 litre, 6 digit totaliser.

(Please check according to local regulations.

Versions also available on request with automatic nozzle
with type approval according to DIN EN 13012, see page 106)

Tank kit EP 140-AZS-T with meter, 4 m delivery hose **34 325 53**

Tank kit EP 140-AZS-T with meter, 8 m delivery hose **34 325 60**



Accessories for Electric Diesel Pumps

Description	Part No.
<small>Images and specifications can be subject to change without notice</small>	
Trigger Nozzle S deluxe	
Standard trigger nozzle (non automatic) with heavy duty body with swivel, thread 3/4" male, for diesel and petrol	
Trigger nozzle S deluxe	34 393 30
Automatic Shut-Off Nozzle - AZS/80 l	
for flow rates up to 80 l/min. with swivel, thread 3/4" male	
Automatic Shut-Off Nozzle - AZS/80 l	34 392 86
Automatic Shut-Off Nozzle - AZ/60 l	
with type approval according to DIN EN 13012, for flow rates up to 60 l/min. with swivel, thread 3/4" male	
Automatic Shut-Off Nozzle - AZ/60 l	34 393 54
Automatic Shut Off Nozzle - AZS/120 l	
for flow rates up to 120 l/min. with swivel, thread R1" male	
Automatic Shut Off Nozzle - AZS/120 l	34 393 78
Delivery hose DN 20	
Suitable for pumps DP 60, EP 12, EP 24 and EP 55, both ends with swivel nuts 3/4", also approved for Bio-Diesel	
Delivery hose DN 20 (3/4"), hose length 1.5 m	34 713 16
Delivery hose DN 20 (3/4"), hose length 4.0 m	34 713 54
Delivery hose DN 20 (3/4"), hose length 8.0 m	34 713 92
Delivery Hose DN 25	
Suitable for EP60, EP140 and EP12/24 PLUS, with R1" fittings	
Delivery hose DN 25 - hose length 4,0 m	34 715 14
Delivery hose DN 25 - hose length 8,0 m	34 715 76
Suction hose DN 20	
Suitable for pumps EP 12, EP 24 and EP 55, pump side end with swivel nut 3/4", hose end with suction filter and backlash valve	
Suction hose DN 20 (3/4"), hose length 1.5 m	34 712 62
Suction Hose for Bio-Diesel	
3/4"swivel nut with suction filter and foot valve for EP55, EP12 and EP24	
Suction hose, lenght 1,5 m, for Bio-Diesel	34 712 79
Suction Hose DN25 with 2" Drum Adaptor	
for EP60, EP140 and EP12/24 PLUS, R1" at one end, with suction filter and backlash valve	
Suction Hose DN25, hose lenght 2 m, R1" fittings	34 712 86
Double end threaded brass connector, R 3/4" with cone seat at one end	
Suitable for EP 12 / EP 24	
Double ended connector with outer thread R 3/4" x R 3/4"	39 913 40
Reducer connector brass R 1" to R 3/4" with cone seat at both ends	
Suitable for EP 55	
Reducer connector from outer thread R 1" to R 3/4"	39 913 57
Double end threaded brass connector, R 1" with cone seat at one end	
Suitable for EP 60 / EP 140 / EP 12 Plus and EP 24 Plus	
Double ended connector with outer thread R 1" x R 1"	39 910 12



Accessories for electric Diesel pumps

Description	Part No.
-------------	----------

In Line Flow Meter DIGIMET M80

Volumetric measurement, mechanical counter, suitable for diesel, or engine oils, gear oils and other fluids at low pressure, robust casing of reinforced PA, NBR seals, calibratable, flow rates of 10-80 l/min., max. working pressure 6 bar (87 psi), accuracy ±1% (at 16-80 l/min), 1" threads (3 inlets, 2 outlets), resettable display 0-999 l dispense volume, 6-digit totalizer

Digimet M80 with flange connection for i.e. EP 55	35 408 07
Digimet M80 with flange connection for i.e. EP 12 and EP 24	35 408 45

Inline Flow Meter DIGIMET M80, VITON

Volumetric measurement, mechanical counter, suitable for Petrol and 2-Stroke Fuel, robust casing of reinforced PA, **VITON seals**, calibratable, flow rates of 10-80 l/min., max. working pressure 6 bar (87 psi), accuracy ±1% (at 16-80 l/min), 1" threads (3 inlets, 2 outlets), resettable display 0-999 l dispense volume, 6-digit totalizer

Digimet M80 VITON with flange connection for i.e. EP 55	35 408 76
Digimet M80 VITON with flange connection for i.e. EP 12 and EP 24	35 408 14

In Line Flow Meter DIGIMET E110

Volumetric measurement principle, mechanical meter, calibratable, flow rates of between 10-100 litre per minute, max. operating pressure 30 bar, threads R1" female, accuracy +/- 0,5% after calibration, delivery counter 0-999.99 l dispense volume resettable, 8-digit totaliser, rotatable display, aluminium body, also suitable for lubricating oils.

In-line flow meter DIGIMET E110	35 410 95
---------------------------------	-----------

Meter Mounting Kit

Meter mounting kit for EP 55, EP 12 and EP 24, 3/4"	35 420 16
Meter mounting kit for EP 140, EP 12 PLUS and EP 24 PLUS, 1"	35 420 23

Drum Adaptor Kit

Suitable to vertically mount pumps like EP 12 / EP 24 to drums with 2" BSP threadsize

Drum adaptor kit EP 12 / EP 24	34 339 18
--------------------------------	-----------

Pump Bracket for Electric Pump Kits

Suitable for 700 und 1.000 l storage- and waste-liquid tanks

Pump bracket for Schütz tank	700/1.000 l	34 703 26
Pump bracket for Roth tank	700/1.000 l	34 703 33
Pump bracket for Nau + Dehoust tank	700/1.000 l	34 703 40
Pump bracket for 1.000 l IBC container		34 703 19

Drip Trays with Retainer

Suitable for wall- or tank mounting

Drip tray for wall mounting	34 707 60
Drip tray for tank mounting	34 707 77
Drip tray for mounting to IBC container	34 708 07



Pumps for AdBlue®

[AdBlue® is a registered trademark of the Automobile Association - VDA]

Description

Images and specifications can be subject to change without notice

Part No.

AdBlue® Membrane Pump SB 30 - 230 V

AdBlue® membrane pump SB 30 - 230 V designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids

Flow rate: approx. 30 l/min. (free flow)

Electric data: 230V, 50/60 Hz, 0,33 KW, IP 54
1.8 m power supply cable, max. pressure 1.6 bar

AdBlue® Membrane Pump SB 30 - 230 V

34 070 87

AdBlue® Membrane Pump SB 23 - 230 V

AdBlue® membrane pump SB 23 - 230 V designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids

Flow rate: approx. 23 l/min. (free flow)

Electric data: 230V, 50/60 Hz, 0,18 KW, IP 54
1.8 m power supply cable, max. pressure 1.6 bar

AdBlue® Membrane Pump SB 23 - 230 V

34 071 55

AdBlue® Membrane Pump SB 32 - 12 V / 24 V

AdBlue® membrane pump SB 32 - 12 V / 24 V designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids

Flow rate: approx. 32 l/min. (free flow)

12V DC, 0,18 KW, IP 54, 12 A
24V DC, 0,18 KW, IP 54, 12 A
1.8 m power supply cable and clips for battery terminals
max. pressure 1.6 bar

AdBlue® Membrane Pump SB 32 - 12 V

34 072 09

AdBlue® Membrane Pump SB 32 - 24 V

34 072 16

AdBlue® Membrane Pump SB 23 - 12 V

AdBlue® membrane pump SB 23 - 12 V designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids

Flow rate: approx. 23 l/min. (free flow)

Electric data: 12V DC, 0,18kW, IP54,
1.8 m power supply cable and clips for battery terminals
max. pressure 1.6 bar

AdBlue® Membrane Pump SB 23 - 12 V

34 072 23

Lever Operated Drum Pump HP 500 for AdBlue®

Lever operated drum pump HP 500 for 50 up to 200 litre drums, equipped with 2" drum adaptor, telescope 2-segment suction tube and 2 m delivery hose, 2" bung adaptor and 2 adaptor 2" BSP female to 2" Mauser / TriSure male

Flow rate: 500 ccm per stroke, EPDM Seals

Lever operated drum pump HP 500 for AdBlue®

34 623 07

Polypropylene Rotary Pump RP 100-PP

2-chamber vane pump with 3-segment suction tube, designed for drums up to 200 litre, drum adaptor 2" BSP

Suitable for: AdBlue®, water-based liquids, thinner, solvents, anti-freeze, windshield detergents, hydraulic-oils. Other lubricants on request.

Output: 250 ccm per revolution

Polypropylene Rotary Pump RP 100-PP

34 609 07

New



Pumps and tank kits for AdBlue® [AdBlue® is a registered trademark of the Automobile Association - VDA]

Description Images and specifications can be subject to change without notice **Part No.**

AdBlue® drum / container pump SB 19, 12 / 230 V

AdBlue® drum / container pump SB 19, 12 / 230 V
suitable for mounting for 200 l drums and IBC containers

Flow rate: approx. 19 l/min. (free flow)

12 V DC, 30 W, 12 V power supply cable and clips for battery terminals and 230V-AC/12V-DC adaptor, with 2 m plastic delivery hose and standard filling gun SSB telescopic suction tube 850 to 1245 mm

incl. screw cap for IBC container with 2" BSP and 2 adaptor 2" BSP female to 2" Mauser / TriSure male

AdBlue® drum / container pump SB 19, 12 / 230 V **34 623 38**

Mobile Tank Unit MT-AdBlue® 75l HP 500

Mobile 75 l AdBlue® tank unit made of polyethylene with 2 large PU wheels, lever operated drum pump HP 500, standard filling gun SBB, 2 m plastic hose and filling cap with integrated air release valve

Net weight: 12 kg

Mobile Tank Unit MT-AdBlue® 75l HP 500 **34 429 58**

Mobile Tank Unit MT-AdBlue® 75l SB 23 - 12 V

Tank unit as described above, but with AdBlue® membrane pompe SB 23 - 12 V, 4 m delivery hose DN 19 and standard filling gun SBB (technical details see page 107),

Net weight: 17 kg

Mobile Tank Unit MT-AdBlue® 75l SB 23 - 12 V **34 429 72**

Mobile Tank Unit MT-AdBlue® 200 with automatic nozzle ASB

Mobile 200 l AdBlue® tank unit made of polyethylene

The 200 litres tank is equipped with safety valve for venting and pressure relief and in-line filter. The advanced design integrates all accessories, offers protection during transport due to lockable lid and space for tidy storage of delivery hose and nozzle. In-mold forklift pockets and lifting bars make handling of the full or the empty tank comfortable, grooves allow for easy securing of the tank with ratchet straps.

AdBlue® membrane pompe SB 23 - 12 V (technical details see page 107), 4 m delivery hose DN 19, automatic shut-off filling gun ASB

Dimensions: 1100 x 800 x 450 mm / Net weight: 35 kg

Mobile Tank Unit MT-AdBlue® 200 with automatic nozzle ASB **34 430 16**

Mobile Tank Unit MT-AdBlue® 400 with automatic nozzle ASB

Tank unit as described above, but with 400 l tank

Dimensions: 1150 x 800 x 720 mm / Net weight: 55 kg

Mobile Tank Unit MT-AdBlue® 400 with automatic nozzle ASB **34 431 08**

New



Description	Part No.
-------------	----------

AdBlue® Membrane Pump stationary for 200 l drum with standard filling gun SSB

incl. stainless steel bracket for plastic drums, **standard filling gun SSB** with stainless steel outlet, 2-segment suction tube for SEC-coupling with 2" TriSure thread, 0,5 m suction- and 6 m delivery hose 3/4", filling gun retainer with integrated drip tray

either with

AdBlue® membrane pump SB 30 or
AdBlue® membrane pump SB 23
(technical details see page 107)

AdBlue® membrane pump SB 30 stat. with standard filling gun SSB **34 425 07**
AdBlue® membrane pump SB 23 stat. with standard filling gun SSB **34 425 14**

AdBlue® Membrane Pump stationary for 200 l drum with automatic shut-off nozzle ASB

incl. stainless steel bracket for plastic drums, **automatic shut-off nozzle ASB** with stainless steel outlet, 2-segment suction tube for SEC-coupling with 2" TriSure thread, 0,5 m suction- and 6 m delivery hose 3/4", filling gun retainer with integrated drip tray

either with

AdBlue® membrane pump SB 30 or
AdBlue® membrane pump SB 23
(technical details see page 107)

AdBlue® membrane pump SB 30 with automatic shut-off nozzle ASB **34 425 45**
AdBlue® membrane pump SB 23 with automatic shut-off nozzle ASB **34 425 52**

AdBlue® Membrane Pump mobile for 200 l drum with automatic nozzle ASBZ

incl. stainless steel bracket for plastic drums, **automatic shut-off nozzle ASBZ with integrated meter** and stainless steel outlet, 2-segment suction tube for SEC-coupling with 2" TriSure thread, 0,5 m suction- and 6 m delivery hose 3/4", filling gun retainer with integrated drip tray and sturdy trolley for 200 litre drums

either with

AdBlue® membrane pump SB 30 or
AdBlue® membrane pump SB 23
(technical details see page 107)

AdBlue® membrane pump SB 30 mobile with automatic nozzle ASBZ **34 426 06**
AdBlue® membrane pump SB 23 mobile with automatic nozzle ASBZ **34 426 13**

New



Description Images and specifications can be subject to change without notice **Part No.**

AdBlue® Membrane Pump

for IBC-container with standard filling gun SBB

incl. stainless steel bracket for IBC-container
standard filling gun SBB with stainless steel outlet,
 SEC-coupling, 1,5 m suction- and 6 m delivery hose 3/4",
 filling gun retainer with integrated drip tray

(IBC-container not included)

either with

AdBlue® Membrane Pump SB 30 - 230 V or
 AdBlue® Membrane Pump SB 32 - 12 V DC or
 AdBlue® Membrane Pump SB 32 - 24 V DC
 (technical details see page 107)

AdBlue® Pump SB 30-IBC 230 V with standard filling gun SBB	34 428 04
AdBlue® Pump SB 32-IBC 12 V with standard filling gun SBB	34 428 11
AdBlue® Pump SB 32-IBC 24 V with standard filling gun SBB	34 428 28

AdBlue® Membrane Pump

for IBC-container with automatic nozzle ASB

incl. stainless steel bracket for IBC-container,
automatic shut-off filling gun ASB with stainless steel outlet,
 SEC-coupling, 1,5 m suction- and 6 m delivery hose 3/4",
 filling gun retainer with integrated drip tray

(IBC-container not included)

either with

AdBlue® Membrane Pump SB 30 - 230 V or
 AdBlue® Membrane Pump SB 32 - 12 V DC or
 AdBlue® Membrane Pump SB 32 - 24 V DC
 (technical details see page 107)

AdBlue® Pump SB 30-IBC 230V with automatic nozzle ASB	34 428 42
AdBlue® Pump SB 32-IBC 12V with automatic nozzle ASB	34 428 66
AdBlue® Pump SB 32-IBC 24V with automatic nozzle ASB	34 428 73

AdBlue® Membrane Pump

for IBC-container with automatic nozzle ASBZ

incl. stainless steel bracket for IBC-container,
automatic shut-off nozzle ASBZ with integrated meter
 and stainless steel outlet (technical details see page 111),
 SEC-coupling, 1,5 m suction- and 6 m delivery hose 3/4",
 filling gun retainer with integrated drip tray

(IBC-container not included)

either with

AdBlue® Membrane Pump SB 30 - 230 V or
 AdBlue® Membrane Pump SB 32 - 12 V DC or
 AdBlue® Membrane Pump SB 32 - 24 V DC
 (technical details see page 107)

AdBlue® Pump SB 30-IBC 230V with automatic nozzle ASBZ	34 428 80
AdBlue® Pump SB 32-IBC 12V with automatic nozzle ASBZ	34 428 97
AdBlue® Pumpe SB 32-IBC 24 with automatic nozzle ASBZ	34 429 03

New



Accessories for AdBlue® Tank Units

(AdBlue® is a registered trademark of the Automobile Association - VDA)

Description

Images and specifications can be subject to change without notice

Part No.

Standard Filling Gun SSB

Manually operated filling gun with stainless steel outlet Ø 19 mm, designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergent, water-based liquids, connection via hose socket DN 19 (3/4")
Standard filling gun SSB

34 392 93

Automatic Shut-Off Filling Gun ASB

Automatic shut-off filling gun with stainless steel outlet Ø 15 and Ø 19 mm designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids, connection via hose socket DN 19 (3/4")
Automatic shut-off filling gun ASB

34 395 38

Automatic Shut-Off Filling Gun ASBZ

Automatic shut-off nozzle **with integrated meter** and stainless steel outlet Ø 15 and Ø 19 mm designed for urea-dilution AUS 32 (AdBlue®), anti-freeze, windshield-detergents, water-based liquids, connection via hose socket DN 19 (3/4")

Automatic Shut-Off Filling Gun ASBZ

34 395 21

In Line Turbine Meter DIGIMET

Suitable to backfit/upgrade AdBlue® tank units, electronic in line turbine meter
measure range 5-100 l/min.
resettable display 0,1 -9999, 4-digit totalizer

In Line Turbine Meter DIGIMET

35 430 06

SEC-Coupling with Hose-Socket

SEC-coupling for AdBlue® drums and IBC-container, with angled socket for hose DN 19 (3/4")

SEC coupling with hose-socket

34 080 22

AdBlue®-Suction Tube Set

Suction Tube Set for retrofitting of AdBlue®-Units, suitable for AdBlue® drums and IBC-container

AdBlue®-Suction Tube Set

34 080 84

Elbow 90° with Cap Nut

Item necessary for the installation of in line turbine meter DIGIMET to tank units

Elbow 90° with cap nut, 1" BSP

35 425 66

Meter Fitting Tube, Straight, Hose Socket DN 19

Item necessary for the installation of in-line turbine meter DIGIMET to 200 l drum and IBC AdBlue® tank units

Meter fitting tube, straight, with hose socket DN 19 (3/4")

35 425 04

Meter Fitting Tube Angled 90°, Hose Socket DN 19

Item necessary for the installation of in-line turbine meter DIGIMET to mobile tank units MT-AdBlue®

Meter fitting tube angled 90°, with hose socket DN 19 (3/4")

35 425 35

Hose Clamp Set for AdBlue® Tank Units

4-part hose clamp set for fastening of EPDM hose on hose sockets of AdBlue® tank units

Hose Clamp Set for AdBlue® Tank Units

39 921 70

EPDM-Hose, conductive DN 19

Reinforced, conductive EPDM hose DN19 (3/4 ")
black, UV resistant, OEM quality, max. 20 bar

Hose sold by meter - available length max. 50 m

EPDM hose, conductive DN 19 (sold by meter)

34 621 30

New



Hand Pumps with EX-Rating

Description

Images and specifications can be subject to change without notice

Part No.

Lever Operated Barrel Pump HP 350-V-EX

Lever operated barrel pump designed for drums of 50 litre to 200 litre capacity, with grounding clamp, steel telescopic suction tube, variable 450 mm to 860 mm, body of zinc plated steel, 2" and 1 1/2" drum adaptor, removable, angled spout, seals made of **VITON**

Suitable for petrol and 2-stroke mixture

Lever operated barrel pump HP 350-V-EX

34 636 32

Aluminium Rotary Pump RP 100-EX

Includes with 1,5 m delivery hose, ball valve and nozzle for gear oil

2 chamber vane pump with grounding clamp, metal suction tube 1"/1m long, 1" foot valve male/female with seal, designed for drums up to 200 litre, 2" bung adaptor.

Suitable for petrol and 2-stroke mixture

Aluminium rotary pump RP 100-EX

34 611 26

Aluminium Rotary Pump RP 100-EX with meter DIGIMET M80 VITON

Includes 1,5 meters delivery hose, ball valve and nozzle for gear oil

2 chamber vane pump with grounding clamp, metal suction tube 1"/1m long, 1" foot valve male/female with seal, flow meter DIGIMET M80, Viton, accuracy ±1% (at 16-80 l/min), designed for drums up to 200 Liters, 2" bung adaptor.

Suitable for petrol and 2-stroke mixture

Aluminium rotary pump RP 100-EX with Digimet M80 VITON

34 611 02

Delivery Hose EX DN 20 (3/4") 1,5 m long

Delivery hose DN 20 (3/4"), 3/4" male ends, conductive and petrol resistant

Delivery hose EX DN 20 (3/4"), length 1,5 m

34 620 24

Ball Valve Nozzle Assembly

Ball valve with nozzle for gear oil.
Thread: R3/4" female

Ball valve nozzle assembly

34 620 48



Tank Units with ATEX Approval for Combustibles

Description

Images and specifications can be subject to change without notice

Part No.

Electric Vane Pump EX50

with ATEX approval

Electric vane pump EX50 with ATEX approval Ex dIIA T4 Gb, suitable for class A 1 hazardous substances, flash point < 21°, i.e. gasoline, diesel, 2-stroke fuel, fuel oil, alkylate fuels, kerosine

The self priming explosion-proof vane pump features an integrated by-pass excess-pressure control valve, a backlash valve, flange connector with 1" female thread, 1.5 m ground cable with crocodile clamp, suction filter, nozzle holster, 2" drum adaptor and detached 4 m power supply cable with fixtures (requires wiring by authorized personnel)

Flow rate: approx. 50 l/min. (free flow)

Electric data: 230V, 50 Hz, 0,25 KW, IP 55

Electric vane pump EX50 with ATEX approval

34 314 40

Electric Tank Kit EX50 with ATEX Approval

Kit includes explosion-proof vane pump EX50 (technical data see above)

Telescopic suction tube with max length 1.100mm, 4 m delivery hose 3/4", automatic shut-off filling gun

Electric tank unit EX50 with ATEX approval

34 329 59

Electric Tank Ki EX50 with ATEX Approval

with meter

Kit includes explosion-proof vane pump EX50 (technical data see above)

Telescopic suction tube with max length 1.100mm, 4 m delivery hose 3/4", automatic shut-off filling gun

and flow meter DIGIMET K33

Electric tank unit EX50, ATEX approval, with DIGIMET K33

34 329 73 1.121,40

Electronic Hose End Meter DIGIMET K33

Electronic hose end meter with flange connection for electric vane pump EX50, **seals made of VITON**, delivery counter 0-999 l, 6 Digit Totaliser, flow rate 20 - 120 l/min, accuracy +/- 1%

Electronic hose end meter DIGIMET K33

35 408 21

Double End Threaded Brass Connector

with cone seat at both ends

Double ended connector R 1/4" x R 1/4", male

39 914 49

Double ended connector R 1/2" x R 1/2", male

39 912 03

Double ended connector R 1/4" x R 3/8", male

39 914 87

Double End Threaded Brass Connector

with cone seat at one end

Double ended connector R 3/8" x R 1/2", male

39 913 88

Double ended connector R 1/2" x R 3/4", male

39 912 34

Double ended connector R 3/4" x R 3/4", male

39 913 40

Double ended connector R 3/4" x R 1", male

39 913 57

Double ended connector R 1" x R 1", male

39 910 12

Double ended connector R 1" x R 1 1/4", male

39 914 18

Sleeve and Reducer Connector, Galvanized Steel

Sleeve M 10x1 female hex nut 14 x 13

39 910 67

Reducer connector M10x1 male x R1/8" female

39 910 74

Reducer connector R 1/8" male x M10x1 female

39 910 81

Reducer connector M10x1 female x R1/4" male

39 910 43

Reducer connector R 1/4" female x M15x1 male

39 915 00



Part No. Index

Part No.	P.	Part No.	P.	Part No.	P.	Part No.	P.	Part No.	P.	Part No.	P.	Part No.	P.
30 001 10	8	30 701 44	13	32 438 52	24	32 800 79	32	32 831 17	33	33 098 17	38	33 756 21	55
30 009 05	8	30 702 36	13	32 440 02	24	32 800 93	32	32 834 07	34	33 098 48	38	33 757 20	55
30 010 70	6	30 702 50	13	32 440 40	24	32 801 16	32	32 834 14	35	33 105 09	41	33 780 80	8
30 015 51	16	30 920 16	27	32 443 23	31	32 801 30	32	32 835 06	33	33 110 01	41	33 782 95	8
30 016 05	6	30 990 60	27	32 443 30	31	32 801 54	32	32 835 13	33	33 110 25	41	33 790 70	43
30 020 60	6	30 991 07	27	32 448 04	31	32 801 78	32	32 835 99	32	33 120 08	41	33 791 55	47
30 025 03	16	30 991 21	27	32 448 28	31	32 811 06	34	32 836 05	34	33 120 22	41	33 793 08	55
30 026 02	6	30 992 06	27	32 450 09	27	32 811 13	35	32 836 12	35	33 150 30	41	33 793 15	55
30 050 30	7	31 000 18	14	32 450 30	27	32 811 20	34	32 836 50	34	33 151 08	41	33 793 22	55
30 060 20	7	31 001 24	14	32 451 08	27	32 811 37	35	32 836 67	35	33 200 10	39	33 793 60	55
30 070 03	16	31 002 09	14	32 451 46	27	32 811 75	35	32 836 81	34	33 200 27	39	33 794 90	55
30 080 00	16	31 004 38	29	32 453 20	27	32 812 05	33	32 836 98	35	33 200 58	39	33 795 75	55
30 090 07	16	31 010 15	17	32 453 44	27	32 812 12	33	32 837 04	33	33 200 72	39	33 795 82	55
30 100 10	16	31 090 04	9	32 455 04	24	32 814 03	34	32 837 11	33	33 201 02	39	33 805 02	43
30 101 19	16	31 091 03	9	32 455 11	24	32 814 10	35	32 837 42	34	33 201 26	39	33 805 40	44
30 103 00	16	31 093 01	17	32 456 03	24	32 814 96	33	32 838 03	34	33 300 02	39	33 805 71	49
30 105 08	16	31 094 00	17	32 456 10	24	32 815 19	33	32 838 10	35	33 300 19	39	33 810 04	43
30 107 06	16	31 100 00	9	32 457 02	24	32 816 01	34	32 838 27	34	33 300 26	39	33 810 28	43
30 110 00	6	31 150 50	9	32 458 01	24	32 816 18	35	32 838 34	35	33 300 33	39	33 810 42	44
30 112 22	6	31 151 04	17	32 460 44	27	32 816 56	34	32 838 65	34	33 300 57	39	33 810 66	44
30 112 39	6	31 198 05	9	32 460 75	27	32 816 63	35	32 838 72	35	33 300 64	39	33 810 80	49
30 112 77	6	31 200 23	10	32 530 04	26	32 816 87	34	32 838 89	34	33 300 71	39	33 815 16	43
30 112 91	6	31 200 30	10	32 530 11	26	32 816 94	35	32 838 96	35	33 300 88	39	33 815 30	43
30 113 21	6	31 200 92	10	32 531 03	30	32 817 00	33	32 839 02	33	33 405 20	38	33 815 54	44
30 113 38	6	31 201 22	10	32 531 27	30	32 817 17	33	32 839 19	33	33 410 08	38	33 815 78	44
30 115 05	16	31 201 60	10	32 540 01	26	32 817 48	34	32 839 33	32	33 410 22	38	33 815 92	49
30 116 42	7	32 101 06	14	32 540 18	26	32 818 09	34	32 839 57	32	33 410 77	38	33 816 08	44
30 116 59	7	32 101 20	14	32 540 49	26	32 818 16	35	32 839 64	33	33 412 51	38	33 817 07	43
30 117 03	7	32 102 05	14	32 542 16	30	32 818 23	34	32 839 71	33	33 425 00	38	33 817 38	44
30 117 10	7	32 102 29	14	32 542 30	30	32 818 30	35	32 839 88	32	33 450 06	38	33 818 06	43
30 118 02	7	32 103 04	14	32 550 08	26	32 818 47	34	32 839 95	32	33 507 03	40	33 818 13	43
30 118 19	7	32 103 28	14	32 550 15	26	32 818 54	35	32 840 08	32	33 512 36	40	33 818 20	43
30 119 01	6	32 120 70	13	32 552 06	26	32 818 61	34	32 840 15	34	33 513 04	40	33 818 37	49
30 120 90	6	32 398 00	31	32 552 13	26	32 818 78	35	32 840 22	35	33 513 11	40	33 818 44	44
30 125 02	16	32 398 24	31	32 560 05	26	32 818 85	34	32 840 39	32	33 516 01	40	33 818 51	44
30 126 49	6	32 399 09	31	32 560 12	26	32 818 92	35	32 840 46	32	33 516 18	40	33 818 68	44
30 150 60	7	32 399 23	31	32 562 03	26	32 819 08	33	32 840 53	34	33 516 70	40	33 818 75	44
30 160 50	7	32 400 11	31	32 562 10	26	32 819 15	33	32 840 60	35	33 516 94	40	33 818 82	49
30 210 30	6	32 400 28	24	32 565 31	30	32 819 39	33	32 841 07	34	33 517 00	40	33 819 05	44
30 215 04	16	32 400 35	31	32 565 48	30	32 819 46	33	32 841 14	35	33 518 09	39	33 819 12	44
30 219 00	6	32 400 42	24	32 565 79	30	32 819 77	33	32 841 21	34	33 522 02	39	33 819 50	49
30 220 20	6	32 400 66	24	32 565 86	30	32 819 84	33	32 841 38	35	33 523 01	40	33 820 32	43
30 225 01	16	32 400 80	24	32 566 78	26	32 820 04	34	32 841 45	34	33 524 00	40	33 825 06	43
30 229 07	6	32 401 03	24	32 566 92	26	32 820 11	35	32 841 52	35	33 524 17	40	33 825 20	43
30 250 90	7	32 401 41	24	32 570 02	26	32 820 28	35	32 844 04	34	33 535 44	40	33 825 44	44
30 260 80	7	32 402 02	25	32 570 19	26	32 820 66	32	32 844 11	35	33 535 82	40	33 825 68	44
30 310 60	6	32 402 19	25	32 580 09	26	32 820 80	32	32 847 25	34	33 616 00	41	33 825 82	49
30 315 03	16	32 402 64	25	32 580 16	26	32 821 03	33	32 847 32	35	33 616 24	41	33 826 05	44
30 316 02	6	32 402 71	25	32 585 80	22	32 821 10	33	32 848 00	32	33 616 48	41	33 850 02	43
30 320 50	6	32 403 25	25	32 588 70	26	32 821 27	32	32 848 17	34	33 617 09	41	33 850 26	43
30 325 00	16	32 403 49	25	32 589 00	26	32 821 58	32	32 848 24	35	33 617 16	41	33 850 40	44
30 326 09	6	32 404 24	25	32 589 17	53	32 821 65	32	32 848 31	34	33 617 23	41	33 850 64	44
30 330 40	13	32 404 48	25	32 589 48	22	32 821 72	32	32 848 48	35	33 618 08	41	33 851 01	44
30 333 30	8	32 405 30	25	32 590 20	26	32 821 96	32	32 848 55	34	33 618 15	41	33 851 70	49
30 350 20	7	32 405 54	25	32 590 44	26	32 824 00	34	32 848 62	35	33 618 22	41	33 854 08	43
30 360 10	7	32 405 61	25	32 591 12	53	32 824 17	35	32 848 79	32	33 699 03	41	33 860 09	49
30 371 09	8	32 405 78	25	32 591 50	53	32 825 09	33	32 848 86	32	33 700 08	55	33 860 54	49
30 371 16	8	32 405 85	25	32 591 74	53	32 825 16	33	32 849 09	32	33 700 60	9	33 900 06	46
30 373 07	8	32 405 92	25	32 591 98	53	32 826 08	34	32 850 12	34	33 701 21	55	33 900 13	46
30 373 14	8	32 406 46	25	32 600 40	30	32 826 15	35	32 850 29	35	33 710 12	45	33 900 20	46
30 410 07	12	32 406 53	25	32 600 64	30	32 826 53	34	32 856 09	34	33 710 50	9	33 900 37	46
30 411 06	12	32 408 20	25	32 601 49	30	32 826 60	35	32 856 16	35	33 715 24	45	33 900 51	46
30 412 05	12	32 408 44	25	32 601 63	30	32 826 84	34	32 856 47	34	33 715 48	9	33 900 68	46
30 413 04	12	32 410 01	24	32 604 08	28	32 826 91	35	32 856 54	35	33 715 93	45	33 900 75	46
30 416 01	12	32 410 18	31	32 605 07	29	32 827 07	33	32 858 08	34	33 720 02	45	33 901 05	46
30 420 04	12	32 410 25	24	32 608 04	28	32 827 14	33	32 858 14	35	33 720 26	45	33 901 12	46
30 421 03	12	32 410 32	31	32 615 04	28	32 827 45	34	32 858 21	34	33 720 40	45	33 901 29	46
30 422 02	12	32 416 05	24	32 615 66	28	32 828 06	34	32 858 38	35	33 720 57	45	33 901 50	43
30 423 01	12	32 416 12	31	32 615 80	28	32 828 13	35	32 858 45	34	33 720 64	9	33 901 74	46
30 425 09	13	32 416 29	24	32 630 03	28	32 828 20	34	32 858 52	35	33 720 71	45	33 902 28	46
30 426 08	12	32 416 43	31	32 650 07	28	32 828 37	35	32 861 01	32	33 720 88	9	33 902 42	46
30 510 06	12	32 422 06	24	32 700 18	29	32 828 68	34	32 861 25	32	33 720 95	45	33 902 80	49
30 511 05	12	32 422 20	24	32 700 25	29	32 828 75	35	33 024 50	37	33 721 01	45	33 903 10	46
30 512 04	12	32 425 10	27	32 700 32	29	32 828 82	34	33 045 60	37	33 721 18	45	33 920 00	47
30 513 03	12	32 425 34	27	32 700 49	29	32 828 99	35	33 080 70	37	33 725 21	45	33 923 07	47
30 520 03	12	32 426 02	30	32 700 56	29	32 829 05	33	33 081 00	37	33 725 45	45	33 926 73	47
30 521 02	12	32 426 26	30	32 700 63	29	32 829 12	33	33 084 45	37	33 725 76	9	33 928 26	47
30 522 01	12	32 427 01	30	32 700 70	29	32 829 67	33	33 085 06	37	33 725 90	45	33 928 57	47
30 523 00	12	32 427 25	30	32 700 87	29	32 829 74	33	33 090 60	37	33 726 20	55	33 930 52	47
30 526 90	12	32 438 07	24	32 700 94	29	32 830 01	34	33 091 07	37	33 727 29	55	33 933 59	47
30 620 64	13	32 438 14	24	32 8									

Part No. Index

Part No.	P.	Part No.	P.	Part No.	P.	Part No.	P.	Part No.	P.	Part No.	P.	Part No.	P.
33 959 02	47	34 070 87	107	34 277 64	21	34 349 60	82	34 637 86	61	35 402 96	90	35 620 21	84
33 960 08	47	34 071 17	64	34 278 01	19	34 352 40	78	34 637 93	62	35 403 33	88	35 620 38	84
33 960 22	47	34 071 24	64	34 278 32	20	34 353 70	79	34 638 47	62	35 408 07	106	35 620 52	84
33 960 46	47	34 071 55	107	34 278 63	21	34 356 60	78	34 638 61	62	35 408 14	106	35 620 76	84
33 960 60	47	34 071 62	64	34 279 00	19	34 359 50	79	34 700 50	53	35 408 21	113	35 620 90	72
33 960 84	47	34 072 09	107	34 279 31	20	34 360 63	81	34 700 74	73	35 408 45	106	35 621 06	72
33 961 14	47	34 072 16	107	34 279 62	21	34 360 70	81	34 701 66	53	35 408 76	106	35 698 08	99
33 961 21	47	34 072 23	107	34 280 13	19	34 362 85	82	34 701 80	53	35 409 06	86	35 698 46	99
33 961 38	47	34 072 54	64	34 280 44	20	34 363 60	82	34 702 10	62	35 410 02	88	35 805 20	91
33 961 45	47	34 080 22	111	34 280 75	21	34 364 76	82	34 702 27	62	35 410 19	45	35 805 44	91
33 961 52	47	34 100 01	14	34 288 08	22	34 364 90	82	34 702 34	62	35 410 33	88	35 805 75	91
33 961 76	47	34 100 56	14	34 288 60	22	34 366 50	80	34 702 58	62	35 410 71	90	35 806 29	91
33 961 90	47	34 101 00	14	34 289 07	22	34 368 03	77	34 702 65	62	35 410 95	106	35 806 36	91
33 962 20	47	34 101 24	14	34 290 10	22	34 368 10	77	34 702 72	72	35 411 63	88	35 806 50	91
33 962 44	47	34 101 55	14	34 299 04	22	34 380 12	101	34 702 96	85	35 411 70	88	35 806 67	91
33 962 68	47	34 101 79	14	34 303 06	102	34 381 28	101	34 703 19	106	35 411 87	88	39 902 20	53
34 000 19	64	34 102 54	50	34 303 20	102	34 382 10	101	34 703 26	85	35 411 94	88	39 910 12	113
34 000 33	64	34 102 78	50	34 303 44	102	34 392 86	105	34 703 33	85	35 412 17	88	39 910 43	113
34 000 57	64	34 102 92	50	34 304 05	101	34 392 93	111	34 703 40	85	35 412 31	90	39 910 67	113
34 001 01	65	34 103 60	50	34 304 12	102	34 393 30	105	34 704 18	72	35 412 48	90	39 910 74	113
34 001 25	65	34 103 77	50	34 304 29	101	34 393 54	105	34 704 56	72	35 412 62	90	39 910 81	113
34 001 70	65	34 103 84	50	34 304 36	102	34 393 78	105	34 704 70	62	35 412 93	90	39 912 03	113
34 002 48	65	34 104 07	52	34 305 80	101	34 393 92	86	34 704 87	62	35 414 15	89	39 912 34	113
34 002 86	66	34 104 21	52	34 310 20	86	34 394 22	86	34 704 94	62	35 414 22	89	39 913 40	113
34 003 30	65	34 104 45	52	34 314 40	113	34 395 21	111	34 705 00	62	35 414 39	89	39 913 57	105
34 003 78	65	34 104 69	50	34 315 01	101	34 395 38	111	34 705 24	73	35 414 46	89	39 913 88	113
34 004 08	67	34 104 83	50	34 315 18	101	34 425 07	109	34 707 60	85	35 414 91	89	39 914 18	113
34 004 60	65	34 104 90	50	34 319 45	102	34 425 14	109	34 707 77	85	35 415 07	89	39 914 49	113
34 007 12	65	34 105 68	50	34 319 52	102	34 425 45	109	34 708 07	85	35 415 14	89	39 914 87	113
34 007 50	65	34 105 75	50	34 319 83	102	34 425 52	109	34 710 02	72	35 415 21	89	39 915 00	113
34 007 81	65	34 105 82	50	34 319 90	102	34 426 06	109	34 710 26	72	35 415 45	54	39 921 70	111
34 007 98	65	34 105 99	50	34 320 41	103	34 426 13	109	34 710 40	72	35 415 52	54		
34 008 04	67	34 106 05	50	34 320 58	103	34 428 04	110	34 710 64	72	35 415 76	54		
34 008 42	67	34 106 12	50	34 320 89	103	34 428 11	110	34 710 88	72	35 415 90	54		
34 008 59	67	34 106 29	50	34 320 96	103	34 428 28	110	34 711 25	73	35 416 68	27		
34 008 80	67	34 106 36	50	34 322 01	103	34 428 42	110	34 712 00	72	35 416 82	27		
34 008 97	67	34 106 43	50	34 322 25	103	34 428 66	110	34 712 24	84	35 417 12	91		
34 010 09	70	34 106 67	50	34 323 00	103	34 428 73	110	34 712 48	84	35 420 16	106		
34 010 23	70	34 106 81	50	34 323 24	103	34 428 80	110	34 712 62	105	35 420 23	106		
34 011 08	70	34 106 98	50	34 324 09	104	34 428 97	110	34 712 79	105	35 420 78	86		
34 011 22	70	34 107 42	50	34 324 16	104	34 429 03	110	34 712 86	86	35 425 04	111		
34 024 02	95	34 107 59	50	34 324 61	104	34 429 58	108	34 713 16	84	35 425 35	111		
34 024 19	66	34 107 66	50	34 324 78	104	34 429 72	108	34 713 54	84	35 425 66	111		
34 024 40	68	34 107 80	50	34 325 15	104	34 430 16	108	34 713 92	84	35 430 06	111		
34 024 57	68	34 108 03	54	34 325 22	104	34 431 08	108	34 715 14	86	35 490 08	90		
34 024 88	66	34 108 34	54	34 325 53	104	34 600 20	13	34 715 76	86	35 505 09	97		
34 024 95	66	34 108 58	54	34 325 60	104	34 600 82	13	35 198 10	95	35 505 23	97		
34 025 49	66	34 109 02	54	34 329 59	113	34 609 07	59	35 198 27	95	35 507 14	99		
34 025 63	66	34 109 40	54	34 329 73	113	34 610 10	59	35 198 34	95	35 510 18	99		
34 025 70	69	34 109 71	50	34 336 97	77	34 610 34	59	35 198 41	95	35 510 70	99		
34 025 87	68	34 109 88	50	34 337 10	78	34 610 58	59	35 204 10	93	35 510 87	99		
34 025 94	69	34 110 08	51	34 337 34	78	34 611 02	112	35 204 34	93	35 541 87	96		
34 026 00	68	34 110 15	51	34 337 58	78	34 611 26	112	35 210 04	93	35 543 47	96		
34 026 17	68	34 110 22	51	34 337 72	78	34 612 70	59	35 210 11	93	35 543 78	96		
34 026 31	68	34 115 03	51	34 338 19	80	34 620 00	60	35 210 35	93	35 547 05	97		
34 026 55	69	34 115 10	51	34 338 33	80	34 620 17	60	35 210 59	93	35 547 12	97		
34 026 62	69	34 115 27	51	34 338 57	80	34 620 24	112	35 211 03	93	35 547 29	97		
34 026 79	69	34 118 00	51	34 338 71	80	34 620 48	73	35 211 27	93	35 548 04	97		
34 026 86	69	34 118 17	51	34 338 95	80	34 620 55	59	35 211 41	93	35 548 11	97		
34 026 93	69	34 118 24	51	34 339 18	106	34 620 62	59	35 219 98	93	35 548 28	97		
34 027 09	69	34 118 48	51	34 339 32	75	34 620 79	93	35 220 01	93	35 548 35	97		
34 027 30	69	34 118 55	51	34 339 63	75	34 620 86	61	35 221 00	93	35 548 59	97		
34 032 25	66	34 118 62	51	34 339 87	76	34 621 30	111	35 230 39	94	35 549 03	97		
34 032 32	66	34 125 00	51	34 340 14	75	34 622 08	58	35 230 60	94	35 549 10	97		
34 033 00	68	34 125 17	51	34 340 38	76	34 622 22	58	35 232 06	94	35 549 58	98		
34 033 17	68	34 125 24	51	34 340 76	75	34 623 07	58	35 232 37	94	35 554 12	98		
34 033 48	67	34 150 06	51	34 340 90	76	34 623 38	108	35 235 10	94	35 554 43	98		
34 033 62	67	34 150 37	51	34 341 06	78	34 625 12	58	35 235 41	94	35 590 14	85		
34 034 30	69	34 150 44	51	34 341 20	78	34 625 29	58	35 307 30	93	35 600 10	72		
34 034 78	69	34 163 00	52	34 341 44	78	34 625 50	58	35 310 03	93	35 601 02	72		
34 035 60	69	34 163 24	52	34 341 82	78	34 625 67	58	35 315 15	93	35 610 00	99		
34 037 20	83	34 163 48	52	34 341 99	79	34 626 04	58	35 319 97	93	35 610 24	99		
34 037 51	83	34 259 99	22	34 342 12	79	34 626 11	58	35 321 23	93	35 618 26	72		
34 037 82	83	34 260 40	56	34 342 36	79	34 626 28	58	35 321 85	94	35 618 95	84		
34 038 05	83	34 260 64	56	34 342 50	79	34 626 80	60	35 322 60	95	35 619 01	72		
34 039 04	83	34 261 70	56	34 343 59	80	34 627 03	61	35 324 20	94	35 619 18	72		
34 040 24	71	34 261 94	56	34 343 80	80	34 633 04	60	35 324 37	94	35 619 25	72		
34 040 48	71	34 263 30	56	34 345 26	81	34 635 40	60	35 400 36	88	35 619 32	84		
34 040 79	71	34 263 54	56	34 345 33	81	34 635 64	60	35 401 73	88	35 619 49	72		
34 040 93	71	34 276 03	19	34 345 40	81	34 635 88	60	35 402 03	88	35 619 56	84		
34 041 16	71	34 276 34	20	34 345 57	81	34 636 32	112	35 402 27	88	35 619 63	72		
34 041 30	71	34 276 65	21	34 348 16	82	34 637 00	61	35 402 58	90	35 619 70	72		
34 042 15	71	34 277 02	19	34 348 23	82	34 637 24	61	35 402 65	90	35 619 87	72		
34 042 46	71	34 277 33	20	34 348 30	82	34 637 62	61	35 402 72	90				

Index

Item	Page	Item	Page
Accessories for AdBlue®	111	IBC-Container-Kits	71,83
Accessories for Diaphragm Pumps	73	Keg Cover	46
Accessories for Electric Diesel Pumps	105,106	Keg Lid	46
Accessories for Bio-Diesel	105,106	Keg Lid - Self Centering	46
Accessories for Filler Pumps	47	Lever Action Pump	60
Accessories for Hose Reels	93,94	Lift Pump	58,61
Accessories for IBC-Container	105,106	Long Life Grease	10
Accessories for Pneumatic Pumps	72,73	Lube Compressor	52
Accessories for High Pressure Greasing	24-27,30,31	Lube Shuttle Accu-Greaser	19-21
Accu-Greaser	19-21	Lube Shuttle Cartridges	10
Air Management System	53,73	Lube Shuttle Grease Guns	6,7,8,9
Air Operated Grease Gun	8,14,52	Lube-Shuttle Display	6,7
Air Operated Lubrication Equipment	8,14,50,51,52,55	LubeJet - Spray Unit	8,53
Automatic Shut Off Nozzle	86,111	Lubrication Kit	7,8,14
Battery Operated Grease Gun	19-21	Multi Purpose Grease	10,14,17
Bio-Diesel Pump	101	Nozzle Automatic	86,105,111
Bucket Greaser	49	Oil Cans	37
Centralised Lubrication System Fill.Pump	44,45	Oil Compact Electric Pump System	78-83
Charger Battery Grease Gun	19-21	Oil Compact Electric Pump S. approved	78-83
Compact Oil Systems	68,69,70,81,82,83	Oil Compact Pneumatic Pump System	65-70
Conical Grease Connector	24,31	Oil Compact Pneumatic Pump S.approved	65-70
Container Pumps	58-62	Oil Drum Stand	99
Diaphragm Pump	64	Oil Guns	14
Dispenser	9	Oil Measures	37
Double Diaphragm Pump	54	Oil Measuring Jug	38,41
Double Ended Connector	113	Oil Pump System Electric	75-83
Drill Pump	101	Oil Pump System Pneumatic	64-70
Drip Feed Lubricator	29	Oil Pumps Pneumatic	64
Drum Adaptor Kit	106	One Hand Grease Guns	7,13,14
Drum Pumps	58-62	Overfill Level Alarm	99
Drum Stand	99	Plastic Funnel	39
Electric Drill Pump	102	Plastic Oilers	38
Electric Grease Guns	19-21,56	Plastic Oil Measuring Jug	38
Electric Greasing Equipment	56	Pneumatic Grease Gun	8,14,52
Electric Pumps for AdBlue	107,108,109,110	Pointed Grease Gun Connector	24,31
Electric Pump for Diesel & Fuel Oil	95,96,97,99	Polythen Syphon Pump	58
Electric Pump, Explosion Proof	113	Premium Oilers	37
Explosion Proof Pumps	112,113	Pressure Switch	75,76,77,79,82
Filler Pumps	43,44,45	Pulse Meter	91
Filling Gun	14	Pump Bracket	62,72,85
Filter/Regulator/Lubricator	53,73	Push Type Guns	29
Flow Meters	45,54,86,88,89,90,107,111,113	Reducing Connectors	113
Fluid Atomisers	37,38	Rotary Pumps	59,107
Foot Operated Grease Pumps	49	Rotary Pumps Explosion Proof	112
Funnels	40,41	Rubber Hoses	26,30,53
Gear Pumps Electric	75,76,77	Self Centering Keg Lid	46
Graphite Grease	10	Side Lever Grease Guns	6,7,13,14,16
Grease Cartridges	10,14,17	Solenoid Valve	91
Grease Compressor	56	Spray Cans	37,38
Grease Fittings	32,33,34,35	Spray Units	8,55
Grease Follower Plates	46	Stainless Steel Grease Fittings	33
Grease Gun Connectors	24,31	Suction & Filling Gun	14
Grease Gun Delivery Tubes	25,30	Tank Fillers & Air Vents	99
Grease Gun Hoses	26,30	Tank Kits	68-83,102-105,109,110
Grease Guns	6,7,8,12,13,14,19-21	Tanks Units and Pumps for AdBlue®	108,109,110,111
Grease Spray Unit	8,55	Tanks	99
Grease Meter	45,54	Tin Plate Funnels	41
High Pressure Hoses	26,30,53	Tin Plate Oil Measures	41
High Pressure Lubrication Equipment	19-21,47,48,49,53	Trolleys	53,73,84
High Temperature Grease	10	Waste Oil Drainers	96,97
Hook-On Grease Gun Connector	24,31	Waste Oil Pumps	96,97
Hose Reel for Grease, Oil & Diesel, Water	93,94	Waste Oil Suction Units	96,97
Hose Reel for Air	95	Wheel Bearing Packer	43
Hydraulic Couplers	24,31		

I. Quotation

The documentation pertaining to the quotation such as illustrations, drawings, details of weights and dimensions are only approximately authoritative where they are not expressly designated as binding. The supplier retains the right to ownership and Copyright of all cost estimates, drawings and other papers. These must not be made accessible to third parties. The supplier has an obligation not to make accessible to third parties any plans designated as confidential by the purchaser, without the latter's approval.

II. Scope of the delivery

The written order confirmation from the supplier is definitive for the scope of the delivery. In the case of a quotation from the supplier with a time commitment and timely acceptance, the quotation is definitive, where there is no confirmation of the Order in good time. Supplementary agreements and changes require the written confirmation of the supplier.

III. Price and payment

1. In the absence of any special agreements the prices are ex works, including loading at the factory, but excluding packing. VAT at the applicable statutory rate must be added to the prices.
2. In the absence of any special agreement payment is to be made in cash with no deductions and free of charge at the supplier's point of payment within 30 days after dispatch. We grant a discount of 2% if the payment is carried out within 14 days after dispatch.
3. The withholding of payments or the offsetting of any counter claims by the purchaser which are disputed by supplier are not permitted.
4. For orders of less than EUR 50,- nett invoice value we charge a handling charge of additional EUR 15,- for each order.
5. In case of disproportional increases of costs such as labour or material costs we preserve the right for price adaptations even within the period of validity of this price list.

IV. Delivery time

1. The delivery time begins with the sending of the order confirmation but not before the purchaser furnishes the documents, approvals, clearances to be provided and also the arrival of the agreed down payment.
2. The delivery times will be extended commensurately in the event of actions which form part of labour disputes, especially strikes and lockouts and also in the event of any unforeseen impediments which are outside the control of the supplier where such impediments can be shown to have a considerable influence of the manufacture or shipment of the object being supplied. This also applies when these circumstances occur at sub-suppliers. The circumstances described are also not to be blamed by the supplier when they arise during an already existing delay. In important cases the supplier will notify the purchaser of the beginning and end of such impediments as soon as possible.
3. The delivery times has been adhered to if by the time it expires the object being supplied has left the factory or its readiness for despatch has been notified.
4. When damage is suffered by the purchaser as a result of delay which has occurred due to the supplier, the purchaser is entitled to request compensation for the delay, to the exclusion of further claims. For each full week of lateness this will amount to 1/2 of 1%, but at the most 5% of the value of that part of the total delivery which as a result of the delay cannot be utilised in good time or in accordance with the contract.
5. If despatch is delayed at the wish of the purchaser he will be charged for the cost of storage beginning one month after indication of readiness for despatch, for storage at the supplier's factory however at least 1/2 of 1% of the invoiced amount for each month. The supplier however is entitled after setting a suitable period and its fruitless expiry to make other use of the object being supplied and to supply the purchaser over a suitable extended period.
6. Adherence to the delivery period assumes the purchaser meets his contractual obligations.

V. Transfer of risk and acceptance

1. The risk is transferred to the purchaser at the latest upon despatch of the supplied parts, i.e. even if partial deliveries are made or the supplier has taken on further services such as the costs of despatch or transport and setting up. At the request of the purchaser, and at his expense, the shipment can be insured against theft, breakage, transport, fire and water damage and other insurable risks.
2. If the despatch is delayed as a result of circumstances which are the fault of the purchaser, then the risk is transferred to the purchaser from the day of readiness for despatch; the supplier is however under an obligation, at the wish and expense of the purchaser, to effect insurance which the latter request.
3. Objects supplied, even if they exhibit insignificant defects, are to be accepted by the purchaser regardless of the rights under section VII.
4. Partial deliveries are permissible.

VI. Right of ownership

1. The supplier retains the right of ownership to objects supplied until the arrival of all payments under the contract to supply.
2. The supplier is entitled to insure the object supplied against theft, breakage, transport, fire and water damage and other damage at the purchaser's expense when the purchaser has not shown that he has taken out that insurance himself.

For defects in the delivery, which includes the absence of the properties explicitly promised, the supplier has the following obligations, to the exclusion of further claims regardless of section IX, 4.

VII. Liability for defects in the delivery

1. All parts which within six month of commissioning prove to be unusable or whose usability is significantly impaired as a result of a state of affairs which was present before the transfer of risk, particularly due to faulty construction, poor material or bad workmanship will be repaired or supplied new at the choice of the supplier, as he judges best. The discovery of such defects is to be reported to the supplier in writing without delay. Replaced parts become the property of the supplier. If despatch, set up or commissioning is delayed, without blame being attached to the supplier then this liability expires at the latest 12 month after the transfer of risk. For essential third party products the supplier's liability is limited to the transfer of the entitlement to liability which exists vis a vis the sub-supplier of the third party product.
2. The right of the purchaser to assert claims due to defects expires in all cases in 6 months from the time of the punctually made complaint, or upon the expiry of the warranty period.
3. No warranty is taken on for damage which occurs due to the following reasons: unsuitable or improper use, incorrect fitting or incorrect repair by the purchaser or by a third party, natural wear and tear, incorrect or negligent treatment, unsuitable operating materials, replacement materials defective construction work, unsuitable construction site, chemical, electro-chemical or electrical effects for which the blame cannot be attributed to the supplier.
4. To allow the repairs and the supply of replacements to be carried out, which appear necessary in the best judgment of the supplier the purchaser, after agreement with the supplier, must provide the necessary time and opportunity otherwise the supplier is released from his obligation for the defect. Only in urgent cases where operational safety is a risk or to avoid disproportionately large damage, whereupon the supplier must be made aware immediately, or if the supplier is delayed in eliminating the defect, the purchaser has the right to eliminate the defect himself or have it eliminated by a third party and to demand reimbursement of the necessary costs from the supplier.

5. Of the direct costs incurred by the repairs of the supply of replacements the supplier will - insofar as the complaint is shown to be justified - bear the cost of the replacement items including the despatch, plus the reasonable costs for the removal and fitting and furthermore, where this can be rightly requested depending on the situation of the individual case, any necessary costs for providing his mechanics and assistants. The purchaser generally bears all other cost.
6. The warranty period on the replacement items and the repair is three months, but this will run until the time of the expiry of the original warranty period for the object supplied. If repairs are necessary the period of liability for the object supplied will be extended by the length of the interruption in operation caused by this.
7. Any modifications or repair work carried out on the part of the purchaser or a third party either inexpertly or without the prior approval of the supplier will cancel the liability for the consequences such actions.
8. Further claims by the purchaser, especially claims for damage which did not occur on the supplied object itself are excluded. The exclusion of liability does not apply if the owner or leading the owner or leading employee, the supplier is only liable for sensibly foreseeable damage typical of the contract. The exclusion of liability also does not apply in cases where in accordance with the product liability law liability is accepted for damage to persons or property on privately used objects, where faults exist on the object supplied. It also does not apply when properties.

VIII. Liability for associated obligation

When, through the fault of the supplier, the object supplied cannot be used by the purchaser in accordance with the contract as a result of omitted or incorrect implementation of suggestions or advice which occurred before or after conclusion of the contract and also other obligations related to the contract, especially instructions for the operation and maintenance of the object supplied then the rulings in Section VII and IX apply appropriately, to the exclusion of further claims by the purchaser.

IX. The rights of the purchaser to withdrawal, variation and other liability of the supplier

1. The purchaser can also withdraw from the contract if the whole provision of supplies and/or services becomes completely impossible for the supplier before the transfer of risk. The same applies in the event of the supplier's inability to deliver. The purchaser can also withdraw from the contract, for an order of objects of the same type, the implementation of a part of the delivery becomes impossible with respect to quantity or he has a justified interest in refusing a partial delivery, if this is not the case the purchaser can reduce the counter payment to suit.
2. If a delivery delay exists as defined under Section IV of the Conditions of Supply and if the purchaser grants the supplier who is in arrears with the delivery a suitable extension period with an explicit declaration that after the expiry of this period he will refuse to accept the goods and/or services, and if this extended deadline is not met, then the purchaser is entitled to withdraw.
3. If the impossibility occurs during the delay in acceptance or due to the fault of the purchaser then the purchaser remains obliged to make the counter payment.
4. The purchaser also has the right to cancellation of the contract if the supplier, through his own fault, allows a suitable extension period granted to him for repairs of the supply of replacements with regard to a defect, as defined in the conditions of supply and attributable to him, to expire fruitlessly. The right of the purchaser to cancellation of the contract also exists in other cases of failure of the supplier to repair or supply a replacement.
5. Further claims by the purchaser are excluded, especially to termination or reduction and also to compensation for damages of any kind i.e. also for any damages which did not occur on the supplied object itself. This exclusion of liability does not apply if the owner or leading employee have acted with intent or gross negligence and also if there has been a blameworthy violation of essential obligations under the contract. In the event of blameworthy violations of essential obligations under the contract, except in cases of intent or gross negligence by the owner or leading employee, the supplier is only liable for sensibly foreseeable damage typical of the contract. The exclusion of liability also does not apply in cases where in accordance with the product liability law liability is accepted for damage to persons or property on privately used objects, where faults exist on the object supplied. It also does not apply when properties are absent which were expressly promised when the promise had the intention of covering the purchaser against damage which did not arise on the supplied object itself.

X. Court of jurisdiction

If the purchaser is a fully qualified merchant, a legal personage in public law or a legally separate property proceedings for all disputes arising from a contractual relationship are to be taken at the court with jurisdiction for the supplier's head office or the branch of the supplier which made the delivery. The supplier is also entitled to take proceedings against the buyer at the court of jurisdiction for his head office.

MATO GmbH & Co. KG
63165 Mühlheim
Germany

mato

MATO Product Divisions:

Lubrication Equipment - Fluid Handling Products



Belt Maintenance Systems - Products for Conveyor Belts



**Global expertise in
handling of Lubricants
and other fluids**

mato

Valid from: 01.04.2020



MATO GmbH & Co KG
Benzstr. 16-24
63165 Mühlheim a.M
Germany.
T: +49 (0) 6108 - 906-0
F: +49 (0) 6108 - 906-120
www.mato.de
lubrication@mato.de



MATO Suisse AG
Industriestrasse 53
CH-6034 Inwil
Switzerland
T: +41 (0) 41 - 4490990
F: +41 (0) 41 - 4490992
info@mato.ch www.mato.ch



MATO Industries Ltd.
Lumatic Lubrication Division
26 Brunel Road
St Leonards on Sea
TN38 9RT United Kingdom
T: +44 (0) 1424 - 851270
F: +44 (0) 1424 - 850091
sales@lumatic.co.uk



MATO France S.A.R.L.
2 rue du grunhof / ZA
F-57890 Porcellette
France
T: +33 -(0) 3 - 87821215
F: +33 - (0) 3 -87297213
mato.france@mato.de



MATO Iberica, S.L.
Pol. Industrial Mora Garay
Calle Marie Curie, parc. 36/38
E-33211 Gijón Spain
T: +34 (0) 985 - 328900 / 328211
F: +34 (0) 985 - 322647
matoiberica@matoiberica.es



MATO Corporation
201 Resource Drive
Beckley, WV 25801
West Virginia USA
T: +1- 304 - 255 1280
F: +1- 304 - 255 2501
info@mato-usa.com



MATO Australia Pty Ltd.
PO Box 3102
39 Bonville Avenue
Thornton NSW 2322
Australia
T: +61 1300-850 795
F: +61 2 4936-1388
maus@mato.com.au



MATO Industrial Technologies
(Qufu) Co Ltd.
West End of Changchun Road
Development Zone of Qufu
273100 Qufu City, Shandong
PR China
T: +86 537-4533799
F: +86 537-4533299
www.mato.com.cn



MATO Sib
Uliza Telefonnaja 15
Kemerovo
652523 Leninsk-Kusnezkiy
Russian Federation
T: +7 (0) 38456 35166
F: +7 (0) 38456 35166
mato-sib@yandex.ru



MATO Products Pty Ltd.
P.O. Box 224
Kempton Park 1620
28 Forge Road Spartan
South Africa
T: +27 (0) 11-928 4163
F: +27 (0) 11-923 6071
matosales@multotec.co.za

