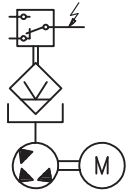




Piston pump GMK-A

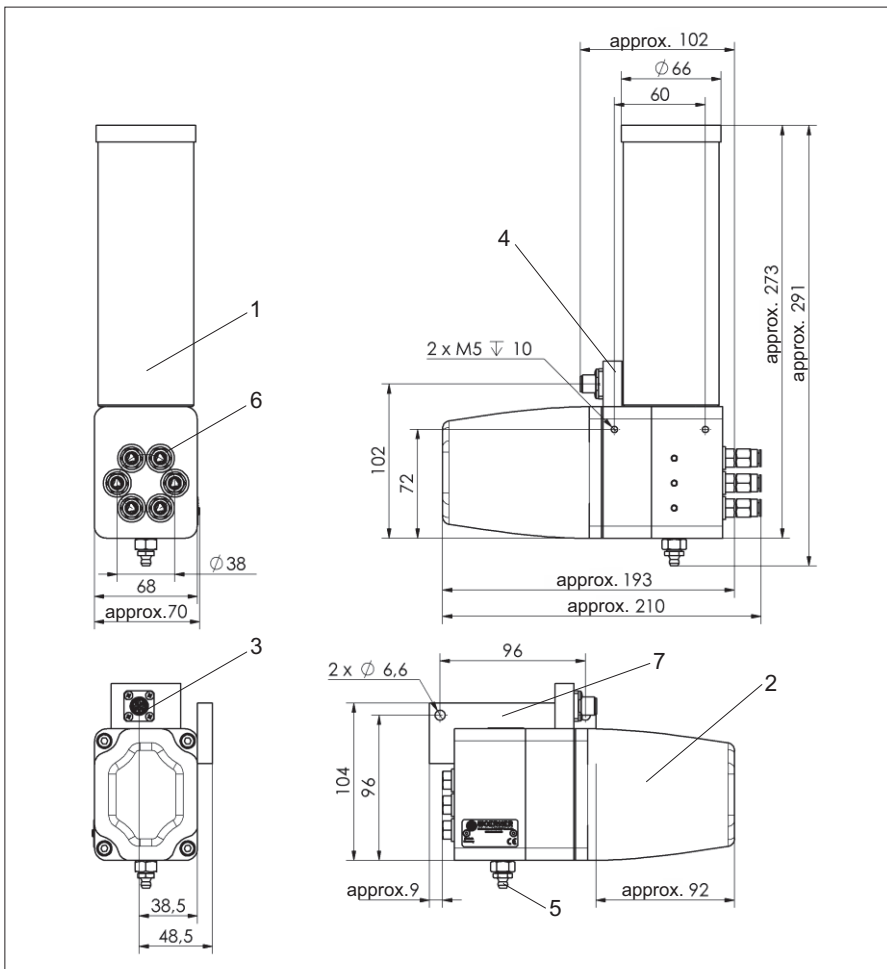


- Compact grease dosing pump
- 6 outlets
- Up to 5 outlets can be subsequently closed
- Reservoir can be filled with grease nipple
- Functional check as standard
- Level control as standard
- Low current consumption

Technical data:

Delivery volume per outlet and stroke:	40 mm ³
Delivery pressure:	max. 80 bar
Speed:	approx. 6 min ⁻¹
Medium:	Grease NLGI class 000 ... 2 Oil from operating viscosity 150 mm ² /s
Ambient temperature:	+10 ... +80 °C
Material outer parts:	Steel galvanised Aluminium Synthetic
Sealings:	NBR / FPM
Weight without cartridge:	approx. 2 kg
Mounting position:	user-defined
Standard reservoir:	380 ml (refillable via grease nipple)
Protection class:	DIN EN 60529 IP65

- Subject to modifications -



Note on the dimensioned drawing:

- 1 - 380 ml standard reservoir
- 2 - Drive
- 3 - Electrical plug connection
- 4 - Level control
- 5 - Grease nipple connection
- 6 - Outlet push-in fitting $\phi 4$ or $\phi 6$ (accessories)
- 7 - Mounting plate (accessories)



Note on closing of outlets:

The pump is delivered with 6 open outlets. Each outlet has a screwed-in non-return valve cartridge independent of the push-in fitting.

If not all outlets are required, up to 5 outlets can be deactivated. This is done by unscrewing the non-return valve cartridge from the pump body and then closing the outlet using a screw plug with sealing ring.

The lubricant from a closed outlet is pumped back into the suction line.

Electrical data:

Motor:

Voltage: 24 VDC
Current consumption: max. 0,5A

Level control for reservoir 380, 250, 125:

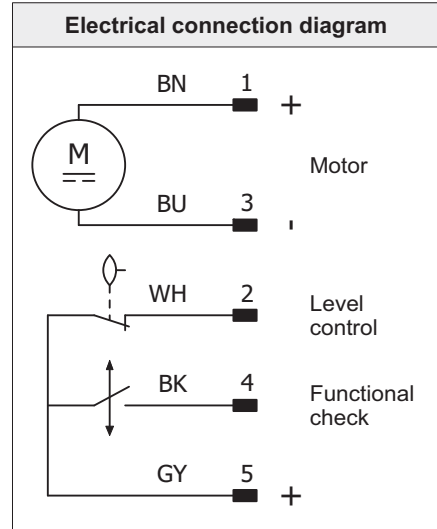
Voltage: 10 ... 30 VUC
Switching current: max. 0,25 A
Switching capacity: max. 5 W/VA
Switching function: NC contact at min

Functional check:

Voltage: 10 ... 30 VUC
Switching current: max. 0,5 A
Switching capacity: max. 10 W/VA
Switching function: NO contact
1 signal per revolution

Connection:

Electrical connection of the pump: Plug connection M12x1, 5-pole



Note on the connection diagram:

The connection diagram is only valid for reservoir variants 380, 250 and 125. The filling level control of the reservoirs 40, 04 and 05 are connected separately (see also technical data of the respective reservoir variant).

Functional description:

The rotational movement of an electric motor 1 is converted via a swash plate 2 into a lifting movement of the delivery pistons 3 and 4. In the suction position (piston 4) the medium is drawn in from the reservoir 5, in the pressure position (piston 3) the medium is pumped towards the outlet. At flow the medium flows through the integrated non-return valve 6 to the outlet. Lubricant lines can be connected with the optional push-in fitting 7. An empty reservoir 5 can be refilled via the grease nipple 8.

Closed outlet:

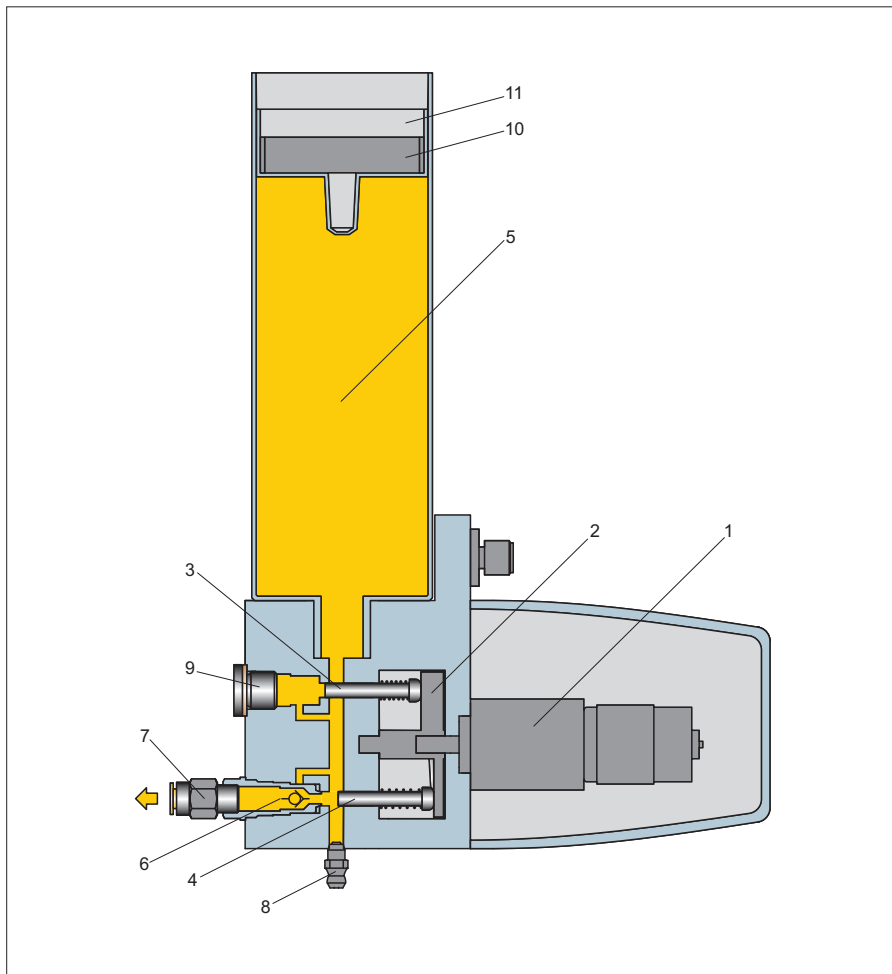
If an outlet is not required, it can be switched off by removing the check valve 6 and screwing in a screw plug 9. The lubricant is pumped back into the suction line.

Functional check:

The rotational movement of swash plate 2 is detected by a reed contact. A signal is emitted at each rotation.

Level control:

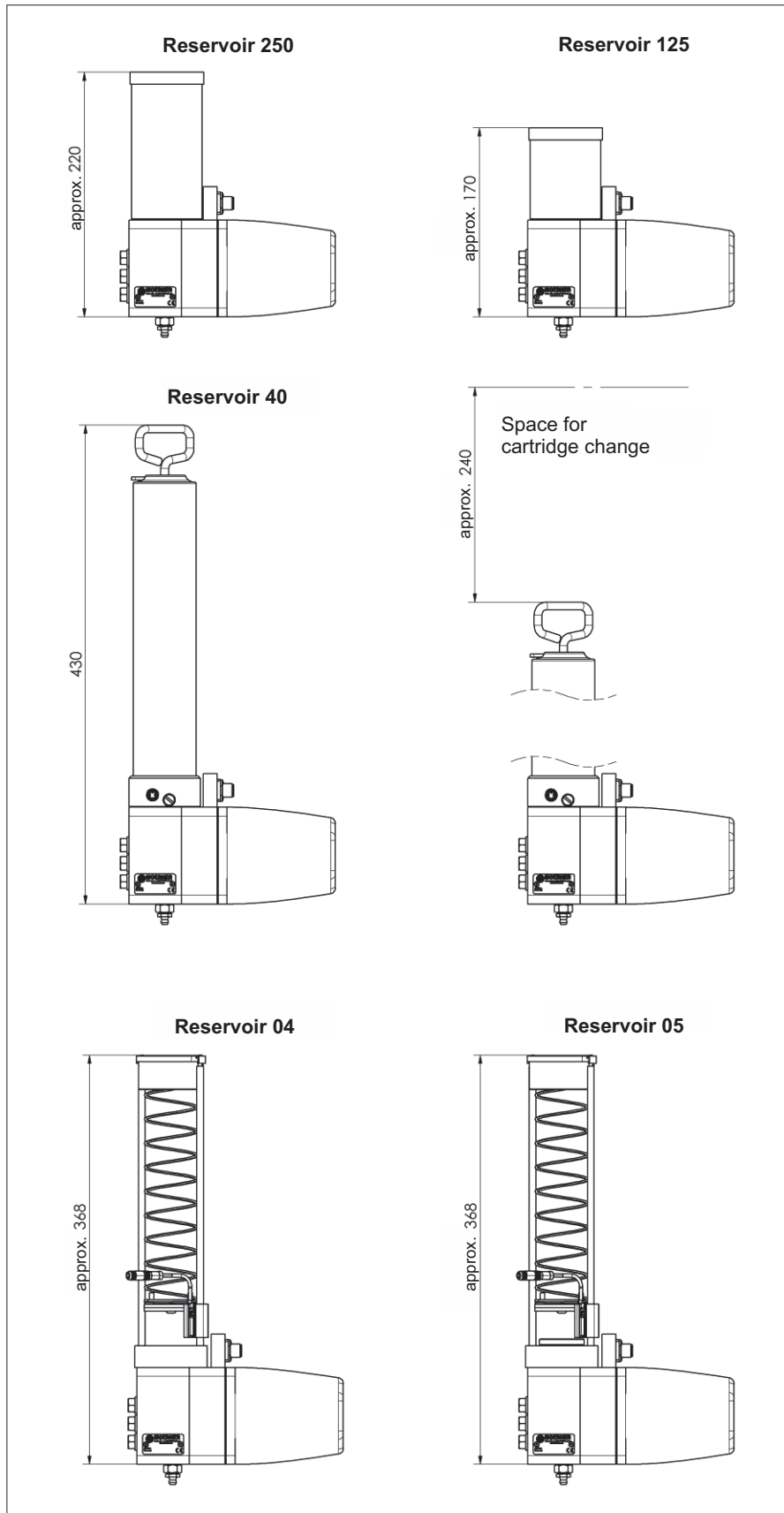
A magnetic tape 10 in the follower piston 11 of the reservoir 5 dampens an integrated reed contact when the reservoir is empty.



- Subject to modifications -



- Subject to modifications -



Reservoir 40: for grease cartridges 400 g acc. to DIN 1284

Medium: Grease NLGI-class 0 ... 2
other NLGI-classes upon request

Material: St and Al
Seals: NBR / FPM

Weight without cartridge: approx. 2 kg

Mounting position: user-defined

Level control:

Voltage: 10 ... 30 VUC

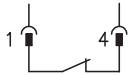
Switching current: max. 250 mA

Plug: M8x1, 3-pin

Protection type: DIN EN 60529 IP67

Switching function: NC contact at min

Connection diagram:



Reservoir 04: Equipment for cartridges 400 g System Lube Shuttle

Reservoir 05: Equipment for cartridges 500 g System Reiner

(the following piston must be at least 25 mm away from the edge of the cartridge)

Medium: Grease NLGI-class 0 ... 2
other NLGI-classes upon request

Material: St, Al and PA
Seals: FPM

Weight without cartridge: approx. 1,5 kg

Mounting position: depending on cartridge version and lubricant,
or user-defined

for cartridges: 400 or 500 g

Cartridges are not part of the scope of delivery!

Level control:

Voltage: 10 ... 30 VUC

Switching current: max. 0,5 A

Protection type: DIN EN 60529 IP67

Connection: Cable with plug

M8x1, 3-pin

Switching function: NO contact at min

Connection diagram:

