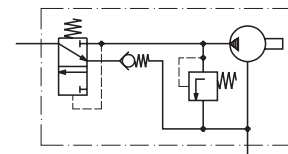


Single-line pump
PEH



Use:

As delivery pump for central lubrication systems following the single line principle

Technical data:

Delivery capacity per stroke: 10 cm³
Operating pressure p_1 at max.: 25 bar
Actuating pressure p_2
for PEH-B and PEH-D: 60 bar

Actuating pressure p_2 at min. in [bar] resp.
actuating force F_1 in [N]:

PEH-A PEH-C	PEH-B PEH-D
$F_1 = 7,4 (p_1 + 5)$	$p_{2 \text{ min.}} = p_1 + 5$

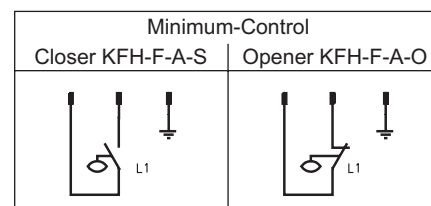
Residual pressure after relief at max.: 0,8 bar
Temperature range: -10 ... +80 °C
Delivery medium:
Oil: Viscosity range: 10 ... 3000 cSt
Suction height (PEH-A; PEH-B): 1 m
Usable volume (PEH-C; PEH-D): 1 l
Material:
Reservoir: Aluminium
Pump inserts: Steel

Weight:
PEH-A 0,8 kg
PEH-B 0,7 kg
PEH-C 2,7 kg
PEH-C with level switch 2,9 kg
PEH-D 2,6 kg
PEH-D with level switch 2,8 kg

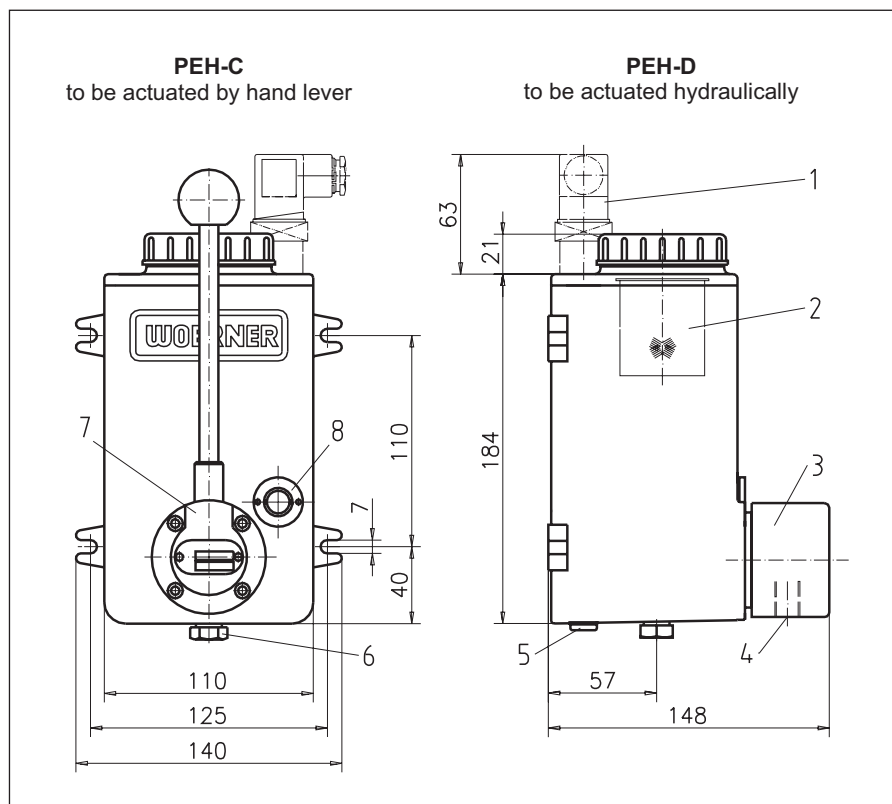
Electrical data:

Level switch:

Switching power at max.: 10 W
30 VA
shortly 50 VA
Switching current at max.: 0,5 A
Switching voltage at max.: 230 VUC
System of protection: IP 65



- Subject to modifications -



- 1 Level switch
KFH-F-A-S Purch.no. 468.722-65
KFH-F-A-O Purch.no. 468.714-65
- 2 Filling sieve Purch.no. 913.300-17
- 3 Pump insert PEH-B, steel
- 4 Actuating pressure connector G 1/4

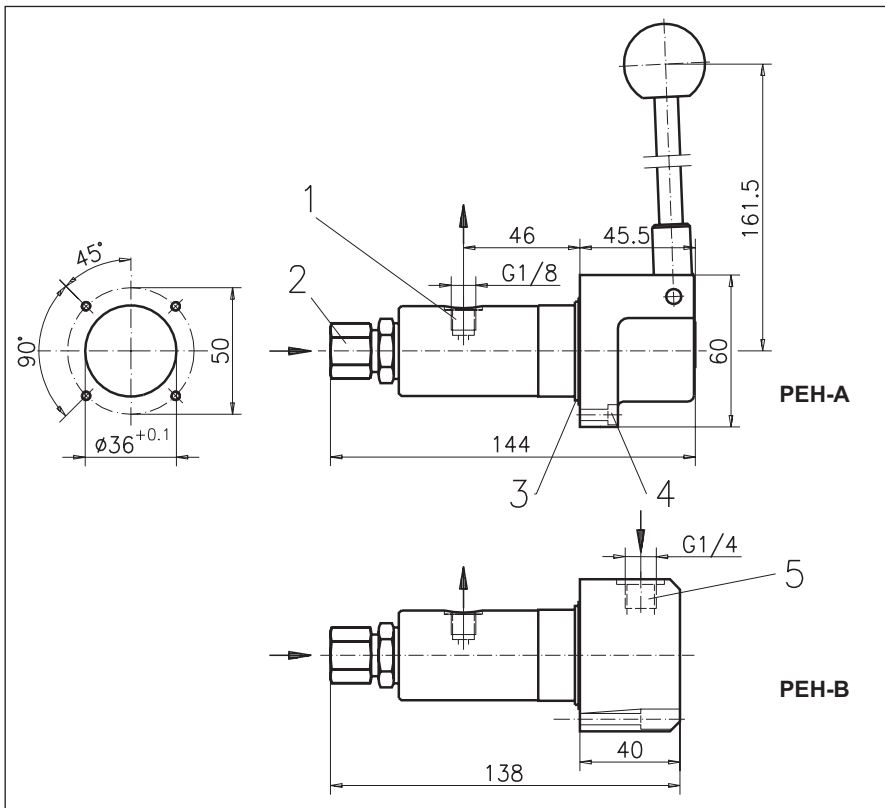
- 5 Oil discharge screw M 10 x 1
Purch.no. 800.908-12
- 6 Pressure connector G 1/8
- 7 Pump insert PEH-A, steel
- 8 Viewing glass Purch.no. 913.000-07

Single-line pump PEH
151.000

EUGEN WOERNER GmbH & Co.KG
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Leaflet-No. 0135.01.02 GB

Supplements No.
Replaces No. 0135.04.99 GB



Pump insert

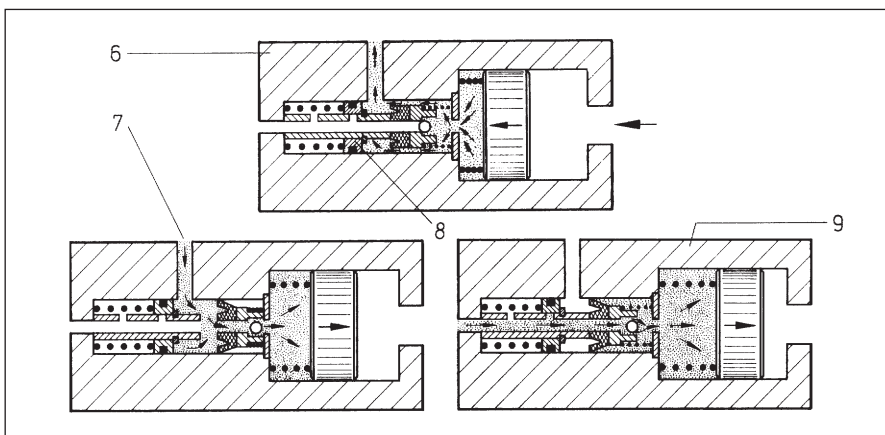
Type PEH-A (to be actuated by hand lever)

- 1 Pressure connector
- 2 Suction connector pipe Ø 10
- 3 O-ring 35 x 1,5
Purch.no. 915.201-12 (Perbunane)
Purch.no. 915.201-13 (Viton)
- 4 Fastening hole for screws
M4 DIN 912
(drawn in displaced by 45° position)

Pump insert

Type PEH-B (to be actuated hydraulically)

- 1 ... 4 as PEH-A
- 5 Pressure connector (for drive)



Mode of operation/functional scheme:

Depending on the version, the pumps are to be actuated either by hand lever or hydraulically. In case of pressure stroke the piston delivers the oil into the delivery pipe. The piston is reset by virtue of spring force, thus sucking the oil into the proportioning chamber by means of negative pressure. During suction the pressure is relieved to approx. 0,8 bar. The integrated pressure control valve opens at 25 bar.

- 6 Pressure stroke
- 7 Relief
- 8 Pressure control valve
- 9 Suction stroke

Purchase-designation:

Single-line pump



Type	Level switch	Sealings
without reservoir (A) (B)	without (0)	NBR (e.g. Perbunane) (P)
with reservoir (C) (D)	without (0)	FPM (e.g. Viton) (V)
	with { KFH-F-A-S (6) KFH-F-A-O (8)	

Purchase-example:

Single-line pump PEH-Type D; with level switch 6; with sealing perbunane

Purchase-designation:
PEH-D/6/P