

**Hand pump PFH-E**



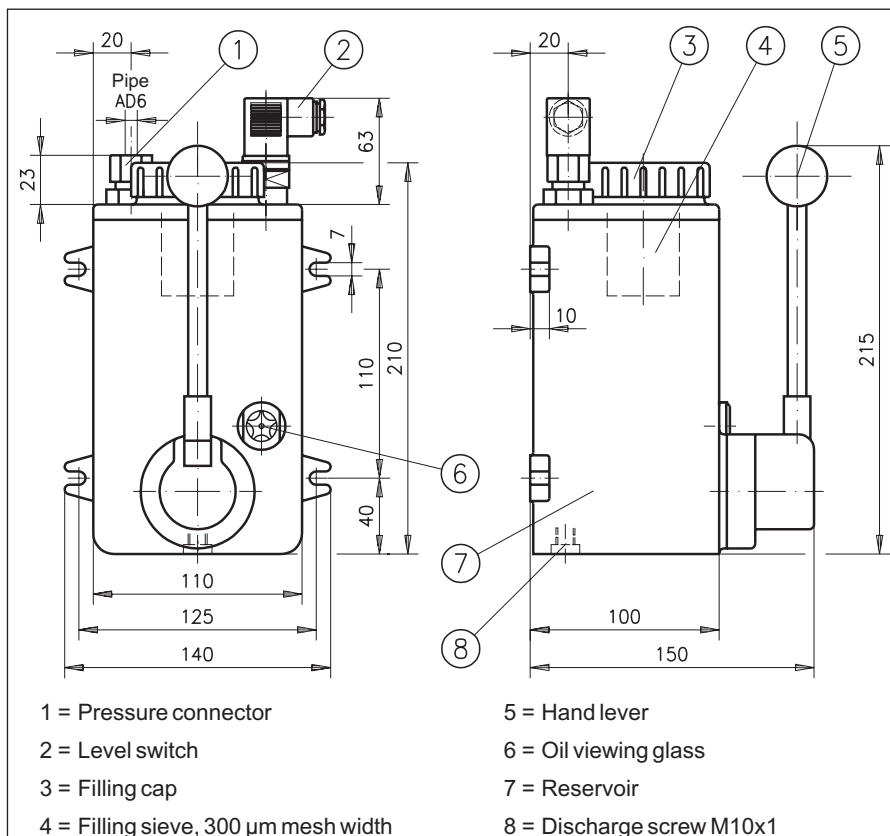
**Application:**

As delivery pump in central lubrication systems

**Technical data:**

Delivery capacity:	4 cm <sup>3</sup> /stroke
Delivery pressure at a manual power of 70N <sup>1)</sup> :	approx. 10 bar
Temperature range:	-10 ... +80 °C
Delivery medium:	Oil
Viscosity range:	9 ... 2700 cP
Weight:	2,7 kg
Reservoir capacity:	1 l
Material:	
Sealing:	NBR (Perbunane)
Reservoir and pump casing:	Aluminium
Pump internals:	Steel
Pipe:	Polyamide
Screwings and return valve:	Steel, galvanised

<sup>1)</sup> The delivery pressure depends on the manual power applied. A pressure control valve is not incorporated.



**Electrical data level switch:**

Switching voltage at max.:	230 VAC
Switching current at max.:	0,5 A
Switching power:	10 W 30 VA shortly 50 VA
System of protection:	IP 65
Plug type:	DIN 43650

For direct voltage with inductive load a spark quencher (diode, RC element, varistor) is required at the consumer.

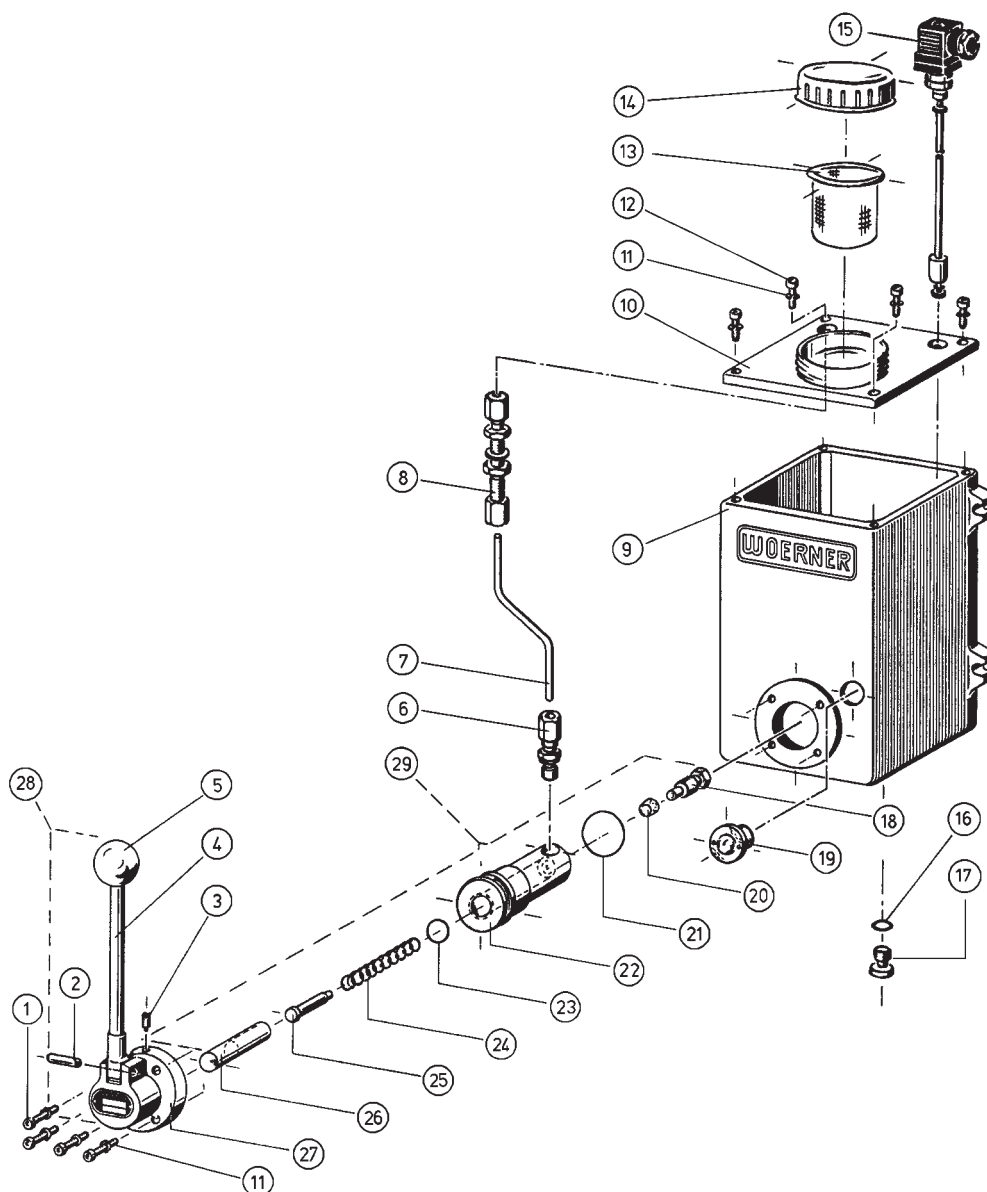
Connection diagram	
Closer at minimum level KFH-F/A/S/X/130	Break contact at minimum level KFH-F/A/O/X/130

**Purchase-designation:**

Hand pump PFH-E / / /

Level switch	Discharge screw
without <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">0</span>	without <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">0</span>
Closer <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">6</span>	with <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A</span>
Break contact <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">8</span>	

**Spare parts:**



Item Designation	Purch.-no.	Item Designation	Purch.-no.	Item Designation	Purch.-no.
1 Cheese head M4x20 DIN 912	800.912-06	for level switch	101.702-64	21 O-ring 35x1,5	915.201-12
2 Parallel straight pin 6x24 DIN 7	800.007-21	without level switch	101.732-35	22 Pump body	101.703-35
3 Set screw M4x12 DIN 417	800.417-04	11 Split washer 4 DIN 7980	807.980-01	23 O-ring 18x2	915.200-86
4 Hand lever	151.010-45	12 Cheese head M4x10 DIN 912	800.912-02	24 Pressure spring 1,4x10,2x83,9	911.201-58
5 Ball knob C32 DIN 319	800.319-02	13 Sieve B50	913.300-13	25 Bolt	101.705-45
6 Straight screwing	951.100-11	14 Reservoir cap D65	913.300-39	26 Piston	101.704-45
7 Pipe 6x1,15x120	101.709-42	15 Level switch Closer at min.	468.722-65	27 Casing	151.005-35
8 Screwing L-SV6	950.700-01	Break contact at min.	468.714-65	28 Hand lever compl. comprising items 1-5, 11, 27	151.011-65
9 Reservoir without discharge screw	101.731-25	16 Sealing ring 10x14x1	807.603-05	29 Pump body compl. comprising items 18-26	101.731-64
with discharge screw	101.727-65	17 Lock screw M10x1	800.908-12	Sealings kit	101.729-64
10 Cover		18 Lock screw G1/8	101.706-45		
		19 Oil viewing glass G1/2	913.000-07		
		20 Lip ring 0x8,8x4	915.400-02		