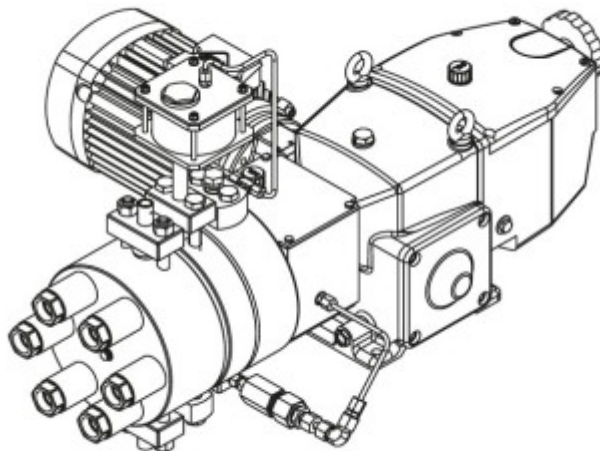


Hydraulic Metal Diaphragm Metering Pump High-pressure Orlita® MHHP

Reliable capacity even at maximum pressure



Capacity range of single pump: 3 – 11 l/h, 3,000 bar

The hydraulic metal diaphragm metering pumps ORLITA® MHRH 150 / MSHH 600 have a metal diaphragm, which is designed to meter precisely at maximum pressures of up to

3,000 bar. Only in this way can excellent process reliability be ensured.

Your benefits

Excellent process safety and reliability:

- Metal double diaphragm with integrated diaphragm rupture warning / signalling system ensures precise and low-wear operation even at very high pressure
- The product chamber is hermetically separated from the hydraulic part
- Integrated hydraulic relief valve and automatic bleed valve for the hydraulic chamber
- Wear-free, valveless enforced anti-cavitation of the hydraulic leakage guarantees optimum dosing precision
- Metering reproducibility is better than $\pm 0.5\%$ within the 10 – 100% stroke length range under defined conditions and with correct installation
- Cone valves for use as suction and/or discharge valves with minimal wear, good self-cleaning and low pressure loss (NPSHR)

Field of application

- Chemical/petrochemical industry
- Maximum pressure applications of up to 3,000 bar

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Technical Data

Pump type	Plunger Ø	Theor. stroke volume	Max. capacity (theo.) in l/h at strokes/min (50 Hz)				Max. pressure
			58	87	116	145	
	mm	ml/stroke	l/h	l/h	l/h	l/h	bar
MHRH 150/	6	0.90	3.1	4.7	6.3	7.8	3,000
MHRH 150/	7	1.23	4.2	6.4	8.5	10.7	3,000

Pump type	Plunger Ø	Theor. stroke volume	Max. capacity (theo.) in l/h at strokes/min (50 Hz)						Max. pressure
			90	99	117	134	156	173	
	mm	ml/stroke	l/h	l/h	l/h	l/h	l/h	l/h	bar
MHSH 600/	10.5	3.46	18.6	20.6	24.3	27.8	32.4	35.9	3,000