

Suction Shoe Gear Pumpheads for REGLO-Z / ZS drives



Suction shoe style model

Magnetically Coupled Suction Shoe Pumpheads

All pumpheads mentioned below are supplied with B-mount

Never use a gear pump with liquid containing solids !

- Cavity Style pumpheads vs. Suction Shoe pumpheads
- Differential / system pressure
- Gear materials
- Internal Bypass
- General Information about pumpheads



Pump-head 180 with B-mount

Pumpheads	Z-181	Z-183	Z-183HC	Z-186	Z-186P	Z-186HC	Z-1830	Z-1830 P
Order No.	MI 0007	MI 0008	MI 0310	MI 0006	MI 0312	MI 0309	MI 0131	MI 0280
Flow rate (ml/min) max. 1)	210	420	420	85	85	85	460	460
Flow rate (ml/min) min. 1)	2.1	4.2	4.2	0.85	0.85	0.85	4.6	4.6
Differential pressure max. (bar)	2.8	2.8	2.8	1.4	2.3	1.4	5.2	5.2
Gear material	Graphite	Graphite	Graphite	Graphite	PEEK	Graphite	PPS	PEEK
Seals	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE
Housing	SS316	SS316	*) Hastelloy C276	SS316	SS316	*) Hastelloy C276	SS316	SS316
System pressure, max. (bar)	21	21	21	21	21	21	22	22
Operating temperature °C	-46...+177	-46...+177	-46...+177	-46...+177	-46...+177	-46...+177	-46...+177	-46...+177
Internal bypass	No	No	No	No	No	No	No	No
Ports (internal thread)	1/8"-27NPT	1/8"-27NPT	1/8"-27NPT	1/8"-27NPT	1/8"-27NPT	1/8"-27NPT	1/8"-27NPT	1/8"-27NPT
			*) for corrosive media			*) for corrosive media		

Order Nos. for Spare Parts and Supplementary Parts

Additional parts								
Tubing adaptors 2)	AR 0001	AR 0001	AR 0001-HC	AR 0001	AR 0001	AR 0001-HC	AR 0001	AR 0001
Service kit 3)	MI 0035	MI 0036	MI 0317	MI 0034	MI 0320	MI 0316	MI 0189	MI 0290
Magnet 4)	MI 0065	MI 0065	MI 0065	MI 0065	MI 0065	MI 0065	MI 0065	MI 0065

Never use a gear pump system for media containing solids!

Please note:

- 1) Flow rate without differential pressure
- 2) Each pumphead requires 2 tubing adaptors (for tubing with an ID of 6.4 mm [1/4"]). Must be ordered separately.
- 3) The service kit provides all spare parts in case that gears and seals require replacement
- 4) The REGLO-Z Digital drive is supplied with the magnet mounted. These part numbers are just for spare magnets

For more information about the following terms, just click on the word

- REGLO-Z *Digital* drive
- REGLO-Z drive
- REGLO-ZS drive
- Cavity style pump-heads
- Overview Gear Pumps