



Gear Pumps

Standard and Low Noise series

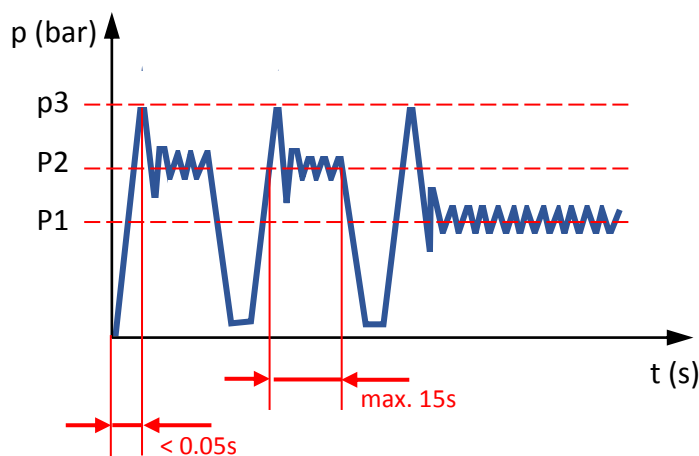
Features										
Recommended fluids							hydraulic mineral oil-based			
Viscosity range:							Recommended			20-120 mm ² /s
							Permitted			12- 700 mm ² /s
							Permitted for starting			2000 mm ² /s
Cleanliness:							recommended up to 140 bar (2000 PSI)			20/18/15 ISO 4406
							recommended up to 210 bar (3000 PSI)			19/17/14 ISO 4406
							recommended up to 275 bar (4000 PSI)			17/15/12 ISO 4406
Type	Displacement	Max. pressure*						n _{min.}	n _{max.}	
		P1 (continuous)		P2 (intermittent)		P3 (peak)				
	cm ³ /rev	bar	PSI	bar	PSI	bar	PSI	rpm	rpm	
4,5	4,4	250	3630	280	4060	300	4350	600	4000	
6,5	6,4	250	3630	280	4060	300	4350	600	4000	
8,5	8,4	250	3630	280	4060	300	4350	600	4000	
11	11,1	250	3630	280	4060	300	4350	600	4000	
15	15,1	250	3630	280	4060	300	4350	500	3500	
19	19,2	210	3040	240	3480	260	3770	500	3500	
22	22,2	180	2610	210	3040	230	3330	500	3500	

Pressure levels:

P1 = continuous pressure

P2 = intermittent pressure

P3 = peak pressure



Reference: 31.03.2020-EN-01

General precaution

<p>In addition to the recommendations regarding fluids, filtration, etc., we point out the following:</p> <ul style="list-style-type: none"> - Always check the rotation direction of the pump's drive shaft; it must be compatible with the rotational direction of the pump itself. - Be particularly careful in cleaning and make sure, when connecting the suction and pressure piping, that no chips, rag threads, etc. get into the pump. - Check the tightness of the suction and pressure fittings, the correct positioning of the O-Rings, and make sure that there is no dirt between the flange and the pump body. - The first pump start-up can be facilitated by manually filling the suction piping and the pump itself with oil. To facilitate air bleeding, start the pump with the circuit not pressurized. 	<ul style="list-style-type: none"> - The return pipe should be below oil tank level to prevent the formation of foam. - To ensure optimal heat distribution inside the tank, make sure that the return pipe is not too close to the pump's suction pipe. - Operate the pump only under the operating conditions specified in this manual. - Never use fluids different from those indicated in the table above and do not use fluids incompatible with the pump seals.
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