

Materials

Housing	Aluminium	
Bearing	double-gland bearing with multicomponent plain bearing bushes	
Shafts and gear wheels	surface hardened and ground case hardened steel acc. to DIN 17210	
Seals	NBR (FKM on request)	

Characteristics

Mounting		flange mounting
Pipe connection		threaded connection
Direction of rotation		clockwise or anticlockwise
Fitting position		optional
Ambient temperature	ϑ _{u min} ϑ _{u max}	= - 20 °C = 60 °C
Working pressure Inlet port Working pressure Short time	p _{e min} p _{e max}	= – 0.3 bar (vacuum) = 2.5 bar
Working pressure Outlet port	p _{e max}	see technical data
Fluid temperature	$\vartheta_{m\ max}$	85 °C
Viscosity	$ u_{min} $	= 10 mm ² /s = 1400 mm ² /s
Recommended oil cleanliness		class 19/16 acc. to ISO/DIS 4406 ▷ class 10 acc. to NAS 1638
Recommended filtration		filter with filtration quotient $\beta_{20} \ge 75$ for 280 bar $\beta_{25} \ge 75$ for 100 bar
Recommended viscosity range	ν	= 1290 mm ² /s
Discharge flow		see chart page 6
Input power		see chart page 6
Hydraulic fluids		mineral oil acc. to DIN 51524 bio-oils of type "HEES" can be used up to 70°C, max. pressure must be reduced minus 20% (use only on request)

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