Materials

Housing	aluminium
Bearing	double-gland bearing with multicomponent plane bearing bushes
Journals and gears	case hardening steel acc. to DIN 17210 surface hardened and ground
Seals	NBR rotary shaft lip type seal $\vartheta \leq 90\,°C$ (PU-Seal for pressure field) FKM rotary shaft lip type seal $\vartheta \leq 100\,°C$ (PU-Seal for pressure field)

Characteristics

Mounting		flange and foot-type
Pipe connection		flange type, threaded flange on request
Direction of rotation		clockwise **or** anticlockwise
Fitting position		optional
Ambient temperature	$\vartheta_{u\,min}$ $\vartheta_{u\,max}$	= – 20 °C = 60 °C
Operating pressure Inlet port	$p_{e\,min}$ $p_{e\,max}$	= – 0.4 bar (vacuum) = 2 bar
Operating pressure Short time	$p_{e\,max}$	= 5 bar
Operating pressure Outlet port	$p_{e\,max}$	see technical data
Fluid temperature range	$\vartheta_{m\,max}$ $\vartheta_{m\,max}$	90 °C for NBR rotary shaft lip type seal 100 °C for FKM rotary shaft lip type seal
Viscosity	ν_{min} ν_{max}	= 10 mm^2/s = 600 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 $\beta_{25} \geq 75$ for … 300 bar $\beta_{40} \geq 75$ for … 100 bar
Recommended viscosity range	ν	= 30 … 45 mm^2/s
Discharge flow		see chart page 6
Input power		see chart page 6
Hydraulic fluids		mineral oil acc. to DIN 51524/25 engine oil acc. to DIN 51511 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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