

Materials

Housing	grey ca	st iron
Bearing	composite plain bearing bushes	
Journals and gears	case hardening steel acc. to DIN 17210 surface hardened and ground	
Seals	NBR rotary shaft lip type seal ϑ ≤ 90 °C	
	FKM rot ϑ ≤ 150	tary shaft lip type seal °C
Characteristics		
Mounting		flange type
Pipe connection		flange
Direction of rotation		clockwise or anticlockwise
Weight		see dimension sheets
Mounting position		optional
Ambient temperature	ϑ _{u min} ϑ _{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}	= 300 bar
Fluid temperature range	$artheta_{\sf mmax}$ $artheta_{\sf mmax}$	90 °C for NBR rotary shaft lip type seal 150 °C for FKM rotary shaft lip type seal
Viscosity	$ u_{min} $ $ v_{max}$	= 10 mm ² /s = 600 mm ² /s
Recommended filtration		filter with filtration quotient $\beta_{25} \ge 75$ for 300 bar $\beta_{40} \ge 75$ for 100 bar
Recommended viscosity range	ν	= 3045 mm ² /s
Discharge flow		see chart page 7 and 8
Input power		see chart page 7 and 8
Hydraulic fluids		mineral oil acc. to DIN 51524/25 engine oil acc. to flame-retardant hydraulic fluids on request bio-oils of typ "HEES", can be used up to 70°C, max. pressure must be reduced minus 20% (use only on request)

ATEX (KP2 only)

Products and media on request.

VERDER NV Belgium

TEL +32 3 877 11 12 Kontichsesteenweg 17 FAX +32 3 877 05 75 B-2630 Aartselaar MAIL info@verder.be WEB www.verder.be

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