

Materials

Housing	grey cast 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 $\vartheta \leq 90^\circ\text{C}$ FKM rotary shaft lip type seal $\vartheta \leq 150^\circ\text{C}$

Characteristics

Mounting	flange type
Pipe connection	flange
Direction of rotation	clockwise or anticlockwise
Weight	see dimension sheets
Mounting position	optional
Ambient temperature	$\vartheta_{u \text{ min}}$ = -20°C $\vartheta_{u \text{ max}}$ = 60°C
Operating pressure Inlet port	$p_{e \text{ min}}$ = -0.4 bar (vacuum) $p_{e \text{ max}}$ = 2 bar
Operating pressure Short time	$p_{e \text{ max}}$ = 5 bar
Operating pressure Outlet port	$p_{e \text{ max}}$ = 300 bar
Fluid temperature range	$\vartheta_{m \text{ max}}$ 90°C for NBR rotary shaft lip type seal $\vartheta_{m \text{ max}}$ 150°C for FKM rotary shaft lip type seal
Viscosity	v_{min} = $10 \text{ mm}^2/\text{s}$ v_{max} = $600 \text{ mm}^2/\text{s}$
Recommended filtration	filter with filtration quotient $\beta_{25} \geq 75$ for ... 300 bar $\beta_{40} \geq 75$ for ... 100 bar
Recommended viscosity range	v = $30 \dots 45 \text{ mm}^2/\text{s}$
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.