

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	$\vartheta_{u \min}$ = - 20 °C $\vartheta_{u \max}$ = 60 °C
Working pressure Inlet port	$p_{e \min}$ = - 0.3 bar (vacuum)
Working pressure Short time	$p_{e \max}$ = 2.5 bar
Working pressure Outlet port	$p_{e \max}$ see technical data
Fluid temperature	$\vartheta_{m \max}$ 85 °C
Viscosity	ν_{\min} = 10 mm ² /s ν_{\max} = 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 $\beta_{20} \geq 75$ for ... 280 bar $\beta_{25} \geq 75$ for ... 100 bar
Recommended viscosity range	ν = 12 ... 90 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)