

High-pressure pump 30Y

The type 30Y high-pressure pump provides a max. operating pressure of 1,000 bar and a max. flow rate of 16,7 l/min.



The high-pressure plunger pump of the Y series is particularly compact. Because of its small dimensions and low weight, it can be installed very well in devices with a small base frame. The pump is available with drive shaft installed right and left. With operating pressures up to 1,000 bar, this type is suitable for various cleaning tasks, e.g. in the chemical industry, in the oil and gas industry, but also in the field of ship cleaning.

The sealing water system of the pump prevents leakage, allows for a particularly high durability of the high-pressure seals and counteracts the intrusion of air. In addition to that the hard metal plungers used offer increased wear resistance, high thermal shock resistance and high cavitation insensitivity.

Technical data		
Weight	approx.	69 kg
Inlet pressure connection		G 1"
Pressure connection		M 24x1,5
Crankshaft	max. min.	1,000 1/min Depends on operation parameters
Drive shaft		Diameter 40mm k6, feather key DIN 6885 Sheet 1, A12 x 8 x 70
Torque at drive shaft	max.	291 Nm
Inlet pressure	min. max.	1.0 bar 5.0 bar
Pressure amplitude	max.	± 2.0 bar
Flow temperature	min. max.	+5 °C +45 °C (higher temperatures on request)
Flow inlet requirement	min.	1.5x nominal feed rate of the pump, dependent on the conversion set
Emission sound pressure level according to DIN EN ISO 11200		>80 dB(A)
Oil capacity of transmission end	approx.	5.5 l
Oil viscosity under ACEA A3; ACEA B4; ACEA E2; API SL; API CF; API CG-4		15 W – 40
Oil temperature	max.	80 °C

Performance variants**				
Pinion shaft		Crank shaft	P15	
750 [1/min]	1,000 [1/min]		1,000 bar*	
Gear ratio		[1/min]	[kW]	[l/min]
	1.00	1,000*	31*	16.7*
1.00		750	23	12.5

* Maximum values of the pump

** Technical changes reserved

Overview pump 30Y

