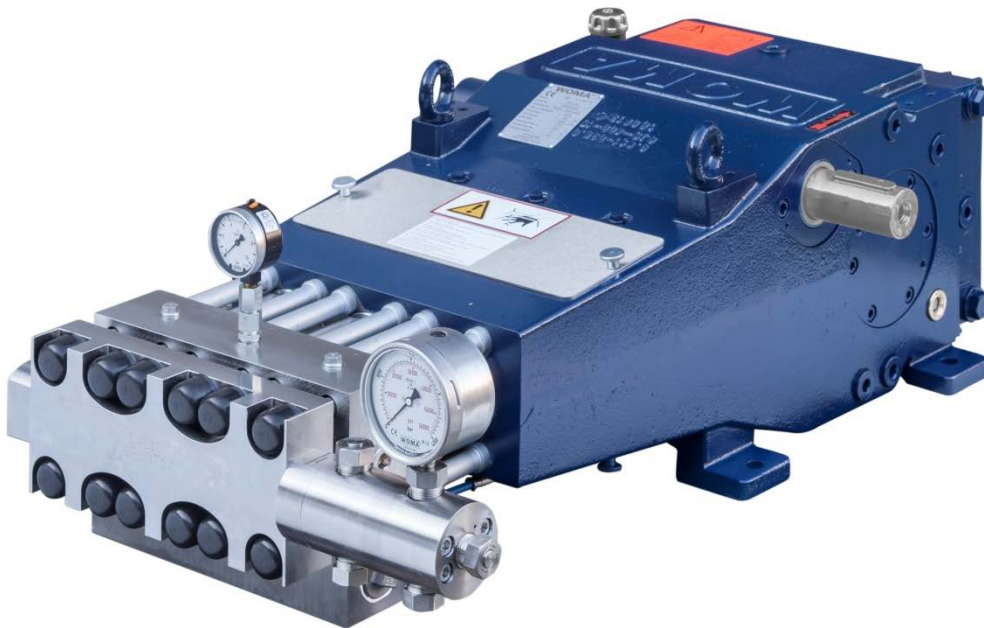


High-pressure pump 150M

The type 150M high-pressure pump provides a max. operating pressure of 3,000 bar and a max. flow rate of 34 l/min.



The high-pressure plunger pumps of the M-series provide working pressures of up to 3,000 bar. This makes the pumps of the M-series ideal for work such as cutting, fragmenting, stripping and de-rusting.

Built in central valve design, these plunger pumps have high volumetric efficiencies even at high pressures. The hard metal plungers used are extremely stable and ensure a long service life and therefore low maintenance costs. Furthermore, they are insensitive to temperature shocks. The guide of the plunger as well as the sealing water system ensures a long service life of the sealing system and counteracts the intrusion of air.

On request, the availability of an ATEX version can be checked.

Technical data		
Weight	approx.	320 kg
Inlet pressure connection		IG 1 ½"
Pressure connection with flange		9/16" UNF-LH
Cooling water connection		IG 1"
Crankshaft	max.	507 1/min
	min.	Depends on operation parameters
Drive shaft		Diameter 50mm k6, feather key DIN 6885 Sheet 1, A14 x 9 x 72
Torque at drive shaft	max.	603 Nm
Moment of inertia J	i = 2.96	0.042 kgm ²
	i = 3.69	0.030 kgm ²
	i = 4.57	0.022 kgm ²
Centrifugal moment GD ²	i = 2.96	1.66 Nm ²
	i = 3.69	1.17 Nm ²
	i = 4.57	0.86 Nm ²
Inlet pressure	min.	1.5 bar
	max.	5.0 bar
Pressure amplitude	max.	± 2.0 bar
Flow temperature	min.	+5 °C
	max.	+30 °C (higher temperatures on request)
Flow inlet requirement	min.	2x nominal feed rate of the pump, depending on the interchangeable conversion set (1.5x nominal feed rate of the pump, depending on the interchangeable conversion set, if no internal gearbox cooling is installed)
Emission sound pressure level according to DIN EN ISO 11200		>80 dB(A)
Oil capacity of transmission end	approx.	9 l
Oil viscosity ISO VG under DIN 51517-2 or -3		320 mm ² /s
Oil pressure lubrication		1.5 - 5.0 bar (optional / performance related)
Oil pressure set value overflow valve		5.0 bar (optional / performance related)
Oil filter fineness		0.025 mm (optional / performance related)
Oil temperature	max.	80 °C
	Set value	60 - 70 °C
Heat exchanger cooling water requirement appr.		2.0 l/min
Heat exchanger cooling water temperature	min.	+5 °C
	max.	+45 °C
Heat exchanger cooling water pressure	min.	1.5 bar
	max.	10 bar

Performance variants **										
Pinion shaft		Crank shaft	P12		P14		P16		P18	
1,500 [1/min]	1,800 [1/min]		3,000 bar*		2,500 bar		2,000 bar		1,500 bar	
Gear ratio		[1/min]	[kW]	[l/min]	[kW]	[l/min]	[kW]	[l/min]	[kW]	[l/min]
2.96		507*	69	12	83	17	95*	26	93	34*
	3.69	488	67	12	80	17	92	25	89	32
3.69		407	56	10	67	14	77	21	75	27
	4.57	394	54	9	64	14	74	20	72	26
4.57		328	45	8	54	11	62	16	60	22

* Maximum values of the pump

** Technical changes reserved

Overview pump 150M

