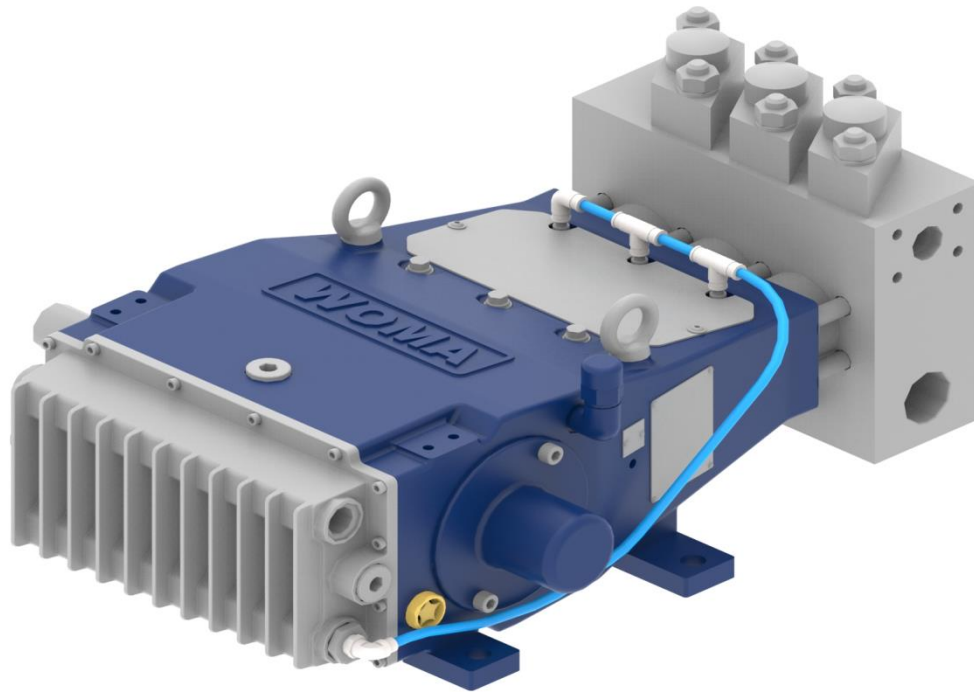


High-pressure pump 702

The type 702 high-pressure pump provides a max. operating pressure of 650 bar and a max. flow rate of 209 l/min.



The high pressure plunger pumps of the 2-series with operating pressures up to 750 bar and flow rates up to approx. 224 l/min, are ideal for the cleaning of pipes and tube bundles, vessels and containers. Variant V of the 2-series has been specially developed for applications with elevated inlet pressure

The sealing system of this plunger pump is particularly service-friendly due to fewer wearing parts and easy maintenance. The ceramic plungers used are highly resistant to acidic and basic fluids. Alternatively, the pump is available with coated steel plungers for increased wear resistance and resistance to thermal shocks. As a result, the 2-series offers a high price-performance ratio even in rough working conditions.

Technical data		
Weight	approx.	152 kg
Inlet pressure connection		G 1 ½"
Pressure connection with flange		2 x aM24x1,5 und 1 x aM36x2 2 x G1/2"A und 1 x G3/4"A 1 x iM30x1,5
Cooling water connection		G ¾"
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.	500 Nm
Moment of inertia J		0.020 kgm ²
Centrifugal moment GD ²		0.78 Nm ²
Delivery medium inlet pressure	min.	1.5 bar (2.0 bar at < 170 l/min)
Pump head type 2	max.	5.0 bar
Pump head type 2-V	min.	3.0 bar
	max.	8.0 bar
Permissible 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 (2x the nominal flow rate of the pump, depending on interchangeable conversion set, if the optional internal gearbox cooling is installed)
Emission sound pressure level according to DIN EN ISO 11200		>80 dB(A)
Oil capacity of transmission end	approx.	3.2 l
Oil viscosity ISO VG under DIN 51517-2 or -3		320 mm ² /s
Oil temperature	max. Set value	80 °C 60 - 70 °C
Heat exchanger cooling water requirement	approx.	1 - 2 l/min
Heat exchanger cooling water temperature	min. max.	+5 °C +45 °C
Heat exchanger cooling water pressure	min. max.	1.5 bar 10 bar

Performance variants**																
Pinion shaft		Crank shaft	P20		P24		P26		P30		P35		P40		P45	
750 [1/min]	1,000 [1/min]		650 bar*		450 bar		400 bar		300 bar		220 bar		170 bar		135 bar	
Gear ratio		[1/min]	[kW]	[l/min]	[kW]	[l/min]	[kW]	[l/min]	[kW]	[l/min]	[kW]	[l/min]	[kW]	[l/min]	[kW]	[l/min]
	1.00	1,000*	48	39	49	57	51	68	51	91	52	125	52	165	53*	209*
1.00		750	36	29	37	43	38	51	39	69	39	94	39	124	40	157

* Maximum values of the pump

** Technical changes reserved

Overview pump 702

