

Ultra-high pressure pumps, 02-series
2502 | 1852 | 1502 | 1002 | 702 | 252

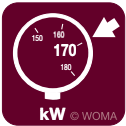
WOMA® Pumps

The 02-series line of high-pressure pumps are rated up to 10875 psi/750 bar operating pressure and volumes of up to 229 l/min.¹⁾ This series is ideal for cleaning pipes, tube bundles, sewer lines, tanks and containers.

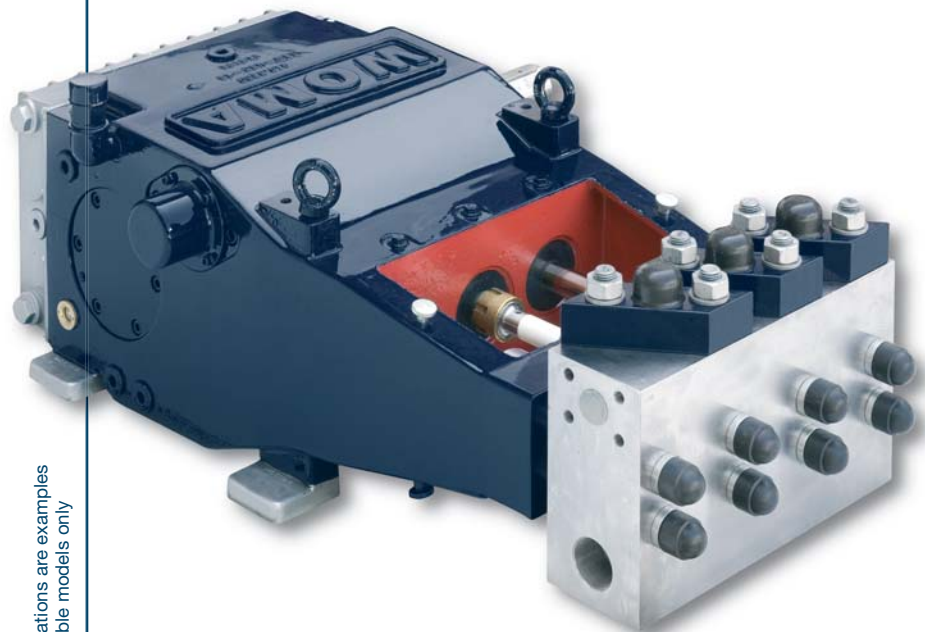
The modular design provides a high degree of flexibility allowing you to vary the output parameters by a simple exchange of the interchangeable plunger sets. This series features gear box cooling and being a low speed pump, is extremely easy on components ensuring long life and longer time between maintenance intervals. The pumps are equipped with an auxiliary shaft which allows coupling of a second pump thus doubling the output. A special feature of this series is that it can operate with inlet water temperatures of up to 65 °C with possibilities to accept up to 90 °C*. Additionally, this pump meets ATEX and API standards**.

* optional, ** pressure-dependent and volume flow-dependent

¹⁾ 1 liter $\hat{=}$ 3.785 US.liq.gal



Example of an available model



All illustrations are examples
of available models only

WOMA® Ultra-high pressure pump 1502

Technical Features

Gear Box

- Proven industrial gear box with pressurized oil lubrication and 3 available gear ratios

Pump head

- Service-friendly pump head in block construction of treated forged steel
- Mounting flange with inner thread
- Wear-resistant valve seats

Interchangeable plunger set

- Maintenance-free plunger seals with lamellar seal packing
- High-quality ceramic plunger
- Long life
- WOMA interchangeable plunger set system:
Fast re-tooling to other operating pressure/ discharge ratings

Additional equipment

- Pressure regulation valve with pneumatic control
- Pneumatically controlled 2/2-way directional relief valve
- Pneumatically controlled 3/2-way directional relief valve
- Pneumatically controlled high-pressure valves for the simultaneous operation of several users

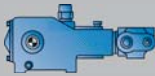

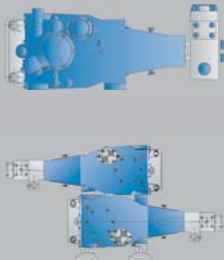
Special model

- Pump head, interchangeable plunger set and valves in special materials for aggressive media being pumped, e.g. sea water
- Water temperatures above 65 °C

Directives and standards

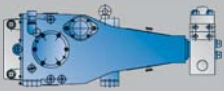
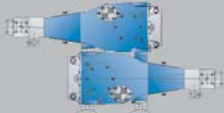
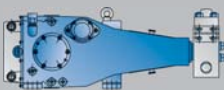
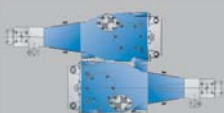
- ATEX 94/9/EC
- API 674 (pressure and volume flow-dependent)
- Quality management system according to DIN ISO EN 9001

Features of the 02-series

	Plunger diameter (mm)	Gear ratio			Crankshaft speed (1/min)	Required driving power (kW)	Max. flow rate (l/min)*	Max. permissible operating pressure (psi / bar)
		Drive speed (1/min) 1500	Drive speed (1/min) 1800	Drive speed (1/min) 2100				
252 	22	-	-	-	1000	18	51	2900/200
	22	-	-	-	750	13	38	2900/200
	24	-	-	-	1000	18	61	2320/160
	24	-	-	-	750	14	45	2320/160
	26	-	-	-	1000	18	71	1960/135
	26	-	-	-	750	13	53	1960/135
	30	-	-	-	1000	18	95	1450/100
	30	-	-	-	750	13	71	1450/100
	35	-	-	-	1000	18	129	1090/75
	35	-	-	-	750	14	97	1090/75
702 	20	-	-	-	1000	47	39	9425/650
	20	-	-	-	750	35	29	9425/650
	24	-	-	-	1000	48	58	6525/450
	24	-	-	-	750	37	43	6525/450
	26	-	-	-	1000	50	68	5800/400
	26	-	-	-	750	37	51	5800/400
	30	-	-	-	1000	50	91	4350/300
	30	-	-	-	750	37	68	4350/300
	35	-	-	-	1000	51	125	3190/220
	35	-	-	-	750	38	94	3190/220
	40	-	-	-	1000	51	165	2465/170
	40	-	-	-	750	38	123	2465/170
	45	-	-	-	1000	52	209	1960/135
	45	-	-	-	750	38	157	1960/135
1002  Installation variations	22	-	3.63	-	495	56	40	10875/750
	22	3.00	-	-	500	56	40	10875/750
	22	3.63	-	-	413	46	33	10875/750
	26	-	3.63	-	495	56	55	7975/550
	26	3.00	-	-	500	57	56	7975/550
	26	3.63	-	-	413	47	46	7975/550
	35	-	3.63	-	495	58	104	4350/300
	35	3.00	-	-	500	58	105	4350/300
	35	3.63	-	-	413	48	86	4350/300
	40	-	3.63	-	495	58	136	3335/230
	40	3.00	-	-	500	58	137	3335/230
	40	3.63	-	-	413	48	113	3335/230
	45	-	3.63	-	495	57	172	2610/180
	45	3.00	-	-	500	58	174	2610/180
	45	3.63	-	-	413	48	143	2610/180

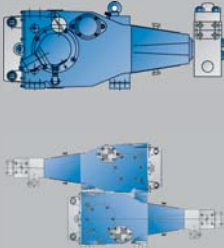
* 1 liter = 3.785 US.liq.gal

Features of the 02-series

	Plunger diameter (mm)	Gear ratio			Crankshaft speed (1/min)	Required driving power (kW)	Max. flow rate (l/min)*	Max. permissible operating pressure (psi / bar)
		Drive speed (1/min) 1500	Drive speed (1/min) 1800	Drive speed (1/min) 2100				
<p>1502</p>  <p>Installation variations</p> 	26	-	-	4.57	459	91	67	10875/750
	26	-	3.69	-	488	98	72	10875/750
	26	-	4.57	-	393	79	58	10875/750
	26	2.96	-	-	507	101	74	10875/750
	26	3.69	-	-	407	82	60	10875/750
	26	4.57	-	-	328	66	48	10875/750
	30	-	-	4.57	459	93	90	8195/565
	30	-	3.69	-	488	99	96	8195/565
	30	-	4.57	-	393	79	77	8195/565
	30	2.96	-	-	507	102	99	8195/565
	30	3.69	-	-	407	82	80	8195/565
	30	4.57	-	-	328	66	64	8195/565
	35	-	-	4.57	459	94	125	6020/415
	35	-	3.69	-	488	100	133	6020/415
	35	-	4.57	-	393	81	107	6020/415
	35	2.96	-	-	507	104	138	6020/415
	35	3.69	-	-	407	84	111	6020/415
	35	4.57	-	-	328	67	89	6020/415
	40	-	-	4.57	459	96	164	4640/320
	40	-	3.69	-	488	101	174	4640/320
	40	-	4.57	-	393	82	140	4640/320
	40	2.96	-	-	507	105	181	4640/320
	40	3.69	-	-	407	85	145	4640/320
	40	4.57	-	-	328	68	117	4640/320
	45	-	-	4.57	459	94	207	3625/250
	45	-	3.69	-	488	101	221	3625/250
	45	-	4.57	-	393	81	178	3625/250
	45	2.96	-	-	507	104	229	3625/250
	45	3.69	-	-	407	84	184	3625/250
	45	4.57	-	-	328	68	148	3625/250
<p>1852</p>  <p>Installation variations</p> 	28	-	-	4.57	460	103	75	10875/750
	28	-	3.69	-	488	109	80	10875/750
	28	-	4.57	-	394	89	66	10875/750
	28	2.96	-	-	507	115	83	10875/750
	28	3.69	-	-	407	92	67	10875/750
	28	4.57	-	-	328	74	54	10875/750
	30	-	-	4.57	460	113	90	10150/700
	30	-	3.69	-	488	121	96	10150/700
	30	-	4.57	-	394	98	77	10150/700
	30	2.96	-	-	507	126	99	10150/700
	30	3.69	-	-	407	100	80	10150/700
	30	4.57	-	-	328	84	64	10150/700
	35	-	-	4.57	460	117	125	7540/520
	35	-	3.69	-	488	124	133	7540/520
	35	-	4.57	-	394	100	107	7540/520
	35	2.96	-	-	507	129	138	7540/520
	35	3.69	-	-	407	104	111	7540/520
	35	4.57	-	-	328	84	89	7540/520

* 1 liter = 3.785 US.liq.gal

Features of the O2-series

	Plunger diameter (mm)	Gear ratio			Crankshaft speed (1/min)	Required driving power (kW)	Max. flow rate (l/min)*	Max. permissible operating pressure (psi / bar)	
		Drive speed (1/min) 1500	Drive speed (1/min) 1800	Drive speed (1/min) 2100					
1852	40	-	-	4.57	460	120	164	5800/400	
	40	-	3.69	-	488	127	174	5800/400	
	40	-	4.57	-	394	102	140	5800/400	
	40	2.96	-	-	507	133	181	5800/400	
	40	3.69	-	-	407	105	145	5800/400	
	40	4.57	-	-	328	85	117	5800/400	
	45	-	-	4.57	460	121	207	4640/320	
	45	-	3.69	-	488	130	221	4640/320	
	45	-	4.57	-	394	105	178	4640/320	
	45	2.96	-	-	507	135	229	4640/320	
	45	3.69	-	-	407	107	184	4640/320	
	45	4.57	-	-	328	87	148	4640/320	
2502	 <p>Installation variations</p>	30	-	-	4.52	464	120	91	10875/750
		30	-	3.57	-	504	130	99	10875/750
		30	-	4.52	-	398	103	78	10875/750
		30	3.04	-	-	493	127	96	10875/750
		30	3.57	-	-	420	108	82	10875/750
		30	4.52	-	-	331	85	65	10875/750
	35	-	-	4.52	464	143	124	9425/650	
	35	-	3.57	-	504	155	134	9425/650	
	35	-	4.52	-	398	122	106	9425/650	
	35	3.04	-	-	493	152	132	9425/650	
	35	3.57	-	-	420	129	112	9425/650	
	35	4.52	-	-	331	102	88	9425/650	
	40	-	-	4.52	464	146	166	7250/500	
	40	-	3.57	-	504	158	180	7250/500	
	40	-	4.52	-	398	125	142	7250/500	
	40	3.04	-	-	493	155	176	7250/500	
	40	3.57	-	-	420	132	150	7250/500	
	40	4.52	-	-	331	104	118	7250/500	
	45	-	-	4.52	464	149	210	5800/400	
	45	-	3.57	-	504	162	228	5800/400	
	45	-	4.52	-	398	128	180	5800/400	
	45	3.04	-	-	493	159	223	5800/400	
	45	3.57	-	-	420	135	190	5800/400	
	45	4.52	-	-	331	106	150	5800/400	

* 1 liter = 3.785 U.S. liq. gal