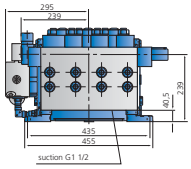
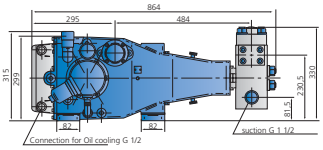
High-Pressure Plunger Pump Type 1002 / 1502

All dimensions in mm
Thread "M" as per DIN 13/ISO 261
Thread "G" as per DIN ISO 228/1

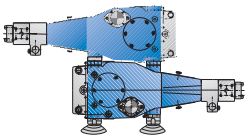


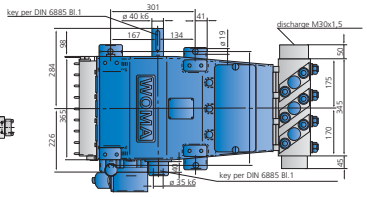


Technical Data:

- Oil capacity: approx. 6 l
- Weight: approx. 254 kg net
- Stroke: 73 mm/2.88 inch
- Inlet pressure required: 2 bar/30 psi
- Rod force: 29.4 kN

▶ Installation variations

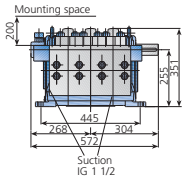


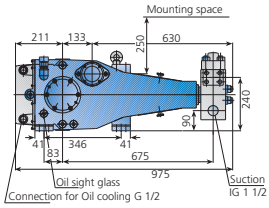


Performance Chart Pump Type 1002

Plunger-diameter (mm)	Gear Ratio Pinion shaft (Rpm) 1,500	1,800	Crank shaft (Rpm)	Required drive (kW)	Nominal flow rate USG pm	IMPG pm	(l/min)	Maximum permissible operating pressure (psi/bar)
P 22		3.63	495	56	10.6	8.8	40	10,875/750
	3.00		500	56	10.6	8.8	40	
	3.63		413	46	8.7	7.3	33	
P 26		3.63	495	56	14.5	12.1	55	7,975/550
	3.00		500	57	14.8	12.3	56	
	3.63		413	47	12.2	10.1	46	
P 35		3.63	495	58	27.5	22.9	104	4,350/300
	3.00		500	58	27.7	23.1	105	
	3.63		413	48	22.7	18.9	86	
P 40		3.63	495	58	35.9	29.9	136	3,335/230
	3.00		500	58	36.2	30.1	137	
	3.63		413	48	29.9	24.9	113	
P 45		3.63	495	57	45.4	37.8	172	2,610/180
	3.00		500	58	46.0	38.3	174	
	3.63		413	48	37.8	31.5	143	

All dimensions in mm
Thread "M" as per DIN 13/ISO 261
Thread "G" as per DIN ISO 228/1



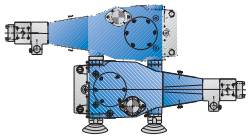


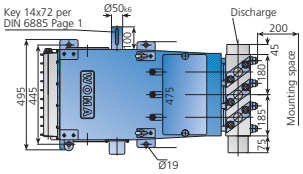
Technical Data:

- Oil capacity: approx. 9 l
- Weight: approx. 319 kg net
- Stroke: 95 mm/3.74 inch
- Inlet pressure required*: from P 40: 2 – 5 bar/30 – 75 psi
- Rod force: 40 kN

* Depends on plunger diameter

▶ Installation variations





Performance Chart Pump Type 1502

Plunger-diameter (mm)	Gear Ratio Pinion shaft (Rpm) 1,500	1,800	2,100	Crank shaft (Rpm)	Required drive (kW)	Nominal flow rate USG pm	IMPG pm	(l/min)	Maximum permissible operating pressure (psi/bar)
P 26			4.57	459	91	17.7	14.7	67	10,875/750
		3.69		488	98	19.0	15.8	72	
		4.57		393	79	15.3	12.8	58	
	2.96			507	101	19.5	16.3	74	
	3.69			407	82	15.9	13.2	60	
	4.57			328	66	12.7	10.6	48	
P 30			4.57	459	93	23.8	19.8	90	8,193/565
		3.69		488	99	25.4	21.1	96	
		4.57		393	79	20.3	16.9	77	
	2.96			507	102	26.2	21.8	99	
	3.69			407	82	21.1	17.6	80	
	4.57			328	66	16.9	14.1	64	
P 35			4.57	459	94	33.0	27.5	125	6,018/415
		3.69		488	100	35.1	29.3	133	
		4.57		393	81	28.3	23.5	107	
	2.96			507	104	36.5	30.4	138	
	3.69			407	84	29.3	24.4	111	
	4.57			328	67	23.5	19.6	89	
P 40			4.57	459	96	43.3	36.1	164	4,640/320
		3.69		488	101	46.0	38.3	174	
		4.57		393	82	37.0	30.8	140	
	2.96			507	105	47.8	39.8	181	
	3.69			407	85	38.3	31.9	145	
	4.57			328	68	30.9	25.7	117	
P 45			4.57	459	94	54.7	45.5	207	3,625/250
		3.69		488	101	58.4	48.6	221	
		4.57		393	81	47.0	39.2	178	
	2.96			507	104	60.5	50.4	229	
	3.69			407	84	48.6	40.5	184	
	4.57			328	68	39.1	32.6	148	