



ELECTRONIC PRECISION METERING™

P100 Pump Series

Pump Specifications

Hydraulic Configuration	Simplex
Flow Control	Electronic variable speed drive
Steady State Accuracy	± 1.0%
Max Discharge Pressure	
Metallic Head:	1500 PSI (104 bar)
Non-Metallic Head:	Polypropylene: 250 PSI (17 bar) Kynar: 350 PSI (24 bar)
Max Inlet Pressure	250 PSI (17 bar)
Max Temperature	
Metallic Heads:	250°F (121°C)
Non-Metallic Heads:	140°F (60°C)
Inlet Port	1/2 inch NPT, BSPT
Discharge Port	3/8 inch NPT, BSPT
Weight (less motor)	
Metallic Head:	18.5 lbs (8.4 kg)
Non-Metallic Head:	16.4 lbs (7.4 kg)



Maximum Capacity* (Gallons per Hour)

Motor RPM	Gear Ratio	Pump RPM	Metallic and Non-Metallic Head		Metallic Head Only		
			100 PSI (7 bar)	250 PSI (17 bar)	500 PSI (35 bar)	1000 PSI (70 bar)	1500 PSI (104 bar)
1800	100:1	18	0.65	0.58	0.50	0.32	**
	80:1	22.5	0.80	0.70	0.60	0.45	**
	60:1	30	1.10	0.98	0.85	0.72	**
	50:1	36	1.30	1.18	1.05	0.89	**
	40:1	45	1.70	1.58	1.45	1.26	0.35
	30:1	60	2.20	2.08	1.95	1.73	1.00
	25:1	72	2.60	2.48	2.35	2.07	1.35
	20:1	90	3.25	3.13	3.00	2.66	1.95
	15:1	120	4.40	4.25	4.10	3.70	2.90
	10:1	180	6.60	6.45	6.30	5.80	5.00
3600	7.5:1	240	8.70	8.55	8.40	7.80	7.00
	5:1	360	13.20	13.00	12.80	12.00	11.00
	7.5:1	480	17.50	17.25	17.00	16.10	15.00
	5:1	720	26.50	26.00	25.50	24.30	23.00

* Capacity data for pumps with elastomeric diaphragms. Consult factory for performance characteristics of pumps with PTFE diaphragms.

** Consult factory for performance specifications.

Required Motor HP

1/4

1/2

3/4



WANNER ENGINEERING INC

For more information, visit our Website at: www.epmpump.com