



ELECTRONIC PRECISION METERING™

# P300 Pump Series

## Pump Specifications

<b>Hydraulic Configuration</b>	Triplex
<b>Flow Control</b>	Electronic variable speed drive
<b>Steady State Accuracy</b>	± 1.0%
<b>Max Discharge Pressure</b>	
Metallic Head:	2500 PSI (173 bar)
<b>Max Inlet Pressure</b>	500 PSI (35 bar)
<b>Max Temperature</b>	250°F (121°C)
<b>Inlet Port</b>	1/2 inch NPT, BSPT
<b>Discharge Port</b>	1/2 inch NPT, BSPT
<b>Weight (less motor)</b>	51 lbs (23.1 kg)



## Maximum Capacity (Gallons per Hour)

Motor RPM	Gear Ratio	Pump RPM	Metallic Head Only			
			100 PSI (7 bar)	500 PSI (35 bar)	1500 PSI (104 bar)	2500 PSI (173 bar)
1800	100:1	18	2.00	1.85	1.50	1.15
	80:1	22.5	2.40	2.20	1.75	1.35
	60:1	30	3.35	3.15	2.50	2.10
	50:1	36	3.95	3.75	3.15	2.65
	40:1	45	4.95	4.75	4.20	3.50
	30:1	60	6.65	6.45	5.75	5.05
	25:1	72	7.95	7.75	6.95	6.20
	20:1	90	10.05	9.80	8.80	8.05
	15:1	120	13.30	13.00	11.90	10.80
	10:1	180	20.40	20.00	18.50	17.00
	7.5:1	240	27.05	26.50	24.75	22.90
	5:1	360	41.00	40.25	38.50	35.70
3600	7.5:1	480	55.50	54.50	52.00	48.10
	5:1	720	82.30	80.80	77.00	72.00

Required Motor HP			
1/4	3/4	1-1/2	3
1/2	1	2	



**WANNER ENGINEERING INC**

For more information, visit our Website at: [www.epmpump.com](http://www.epmpump.com)

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## P300 Pump Ordering Information

A complete pump order number contains thirteen characters based on the specified pump materials listed below.

### Pump Model Size (Digits 1-4)

**P300** For all P300 Pumps

### Pump Version (Digit 5)

**N** NPT ports  
**M** Metric (BSPT) ports

### Pump Head Material (Digit 6)

**R** 304 Stainless Steel  
**S** 316 Stainless Steel

### Diaphragm & O-ring Material (Digit 7)

**G** Viton®-XT  
**T** Buna-N-XS

### Check Valve Material (Digits 8-9) (Valve Spring / Valve & Seat)

**SS** 316 SST / 316 SST

### Gearbox Ratio (Digits 10-12)

**100** 100:1  
**080** 80:1  
**060** 60:1  
**050** 50:1  
**040** 40:1  
**030** 30:1  
**025** 25:1  
**020** 20:1  
**015** 15:1  
**010** 10:1  
**007** 7.5:1  
**005** 5:1

### Base Plate (Digit 13)

**C** Carbon Steel (painted)  
**S** Stainless Steel

## Motors

### Description Model Number

1800 RPM, 3Ø, 230 VAC, 56C TENV  
1000 : 1 Turndown  
1/4 HP .....M25TE18-3P56C  
1/2 HP .....M50TE18-3P56C

1800 RPM, 3Ø, 230 VAC, 56C TEFC  
20 : 1 Turndown  
3/4 HP .....M75TE18-3P56C-P  
1 HP .....M100TE18-3P56C-P  
1-1/2 HP .....M150TE18-3P56C-P (\*)

3600 RPM, 3Ø, 230 VAC, 56C TEFC  
2 : 1 Turndown  
1 HP .....M100TE36-3P56C  
1-1/2 HP .....M150TE36-3P56C  
2 HP .....M200TE36-3P56C  
3 HP .....M300TE36-3P56C

(\*) Available in 2:1 turndown ratio only.

## Controllers

### Description Model Number

115VAC 1Ø Input / 230VAC 3Ø Output  
For up to 1 HP .....C100IP-1P3P-115

230VAC 1Ø Input / 230VAC 3Ø Output  
For up to 1/2 HP .....C50N1-1P3P-230  
For up to 1 HP .....C100N1-1P3P-230  
For up to 2 HP .....C200N1-1P3P-230  
For up to 3 HP .....C300N1-1P3P-230

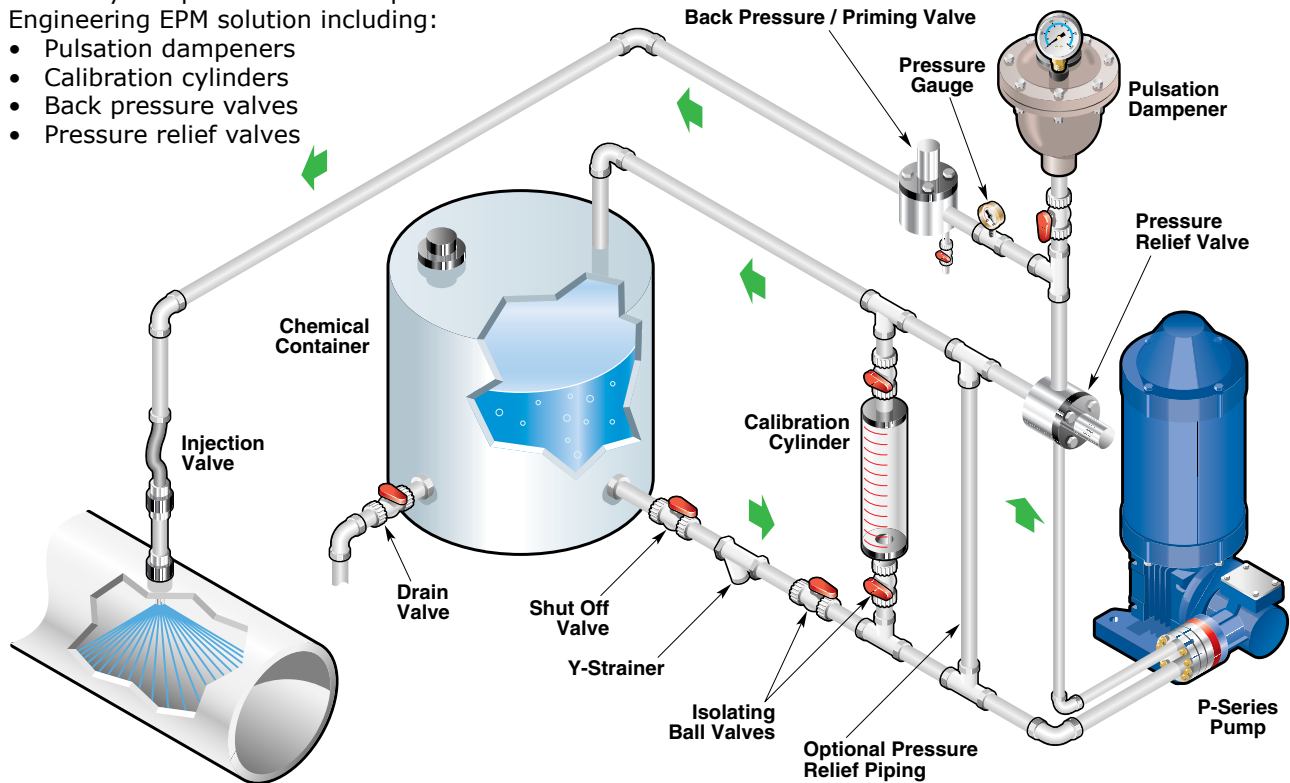
230VAC 3Ø Input / 230VAC 3Ø Output  
For up to 1/2 HP .....C50N1-3P3P-230  
For up to 1 HP .....C100N1-3P3P-230  
For up to 2 HP .....C200N1-3P3P-230  
For up to 3 HP .....C300N1-3P3P-230

460VAC 3Ø Input / 460VAC 3Ø Output  
For up to 1 HP .....C100N1-3P3P-460  
For up to 2 HP .....C200N1-3P3P-460  
For up to 3 HP .....C300N1-3P3P-460



P Series Pumps and Controls are just one of the many components of a complete Wanner Engineering EPM solution including:

- Pulsation dampeners
- Calibration cylinders
- Back pressure valves
- Pressure relief valves



**Contact Your Wanner Sales Representative or visit our website at [www.epmpump.com](http://www.epmpump.com) for complete information on our other EPM solution products...**

**Pulsation Dampeners**




**Calibration Cylinders**



**Pressure Relief and Back Pressure Valves**



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