

HIGH PRESSURE PULSE PUMPS



Pulse Pump

For applications requiring the injection of harsh chemicals at high pressure, a pulse pump can be installed to isolate the chemicals from the high pressure pump, preventing damage and ensuring maximum life of your high pressure pumping system. These pulse pumps can be used for chemical application with pressure up to 3000 psi and can be installed on new or existing systems.



Plunger Pump Models

SPECIFICATIONS	U.S. Measure	Metric Measure
Flow Range	1 to 12 gph	3.78 to 45.42 lph
Pressure Range	500 to 3000 psi	35 to 210 bar
RPM Range	300 to 1800 rpm	300 to 1800 rpm
Inlet Port	1/4" Hose Barb	1/4" Hose Barb
Discharge Port	1/8" NPTF	1/8" NPTF
Manifold Port	Varies by pump size	Varies by pump size
Weight	2.9 lbs	13.15 kg
Dimensions	2" dia x 5" L	50.8 x 127 mm

Piston Pump Models

6300 SPECIFICATIONS	U.S. Measure	Metric Measure
Maximum Flow	1 quart/min	1 liter/min
Maximum Pressure	1000 psi	70 bar
RPM Range	772 to 1070 rpm	772 to 1070 rpm
Inlet Port	1/4" NPTM	1/4" NPTM
Discharge Port	1/4" NPTM	1/4" NPTM
Manifold Port	1/2" NPTM	1/2" NPTM
Weight	2.7 lbs	1.22 kg
Dimensions	4.32 x 2.6 x 5.9"	109 x 66 x 149.8 mm

6305 SPECIFICATIONS	U.S. Measure	Metric Measure
Maximum Flow	1 gallon/min	3 liter/min
Maximum Pressure	1000 psi	70 bar
RPM Range	772 to 940 rpm	772 to 940 rpm
Inlet Port	3/8" NPTM	3/8" NPTM
Discharge Port	3/8" NPTF	3/8" NPTF
Manifold Port	3/4" NPTM	3/4" NPTM
Weight	6.0 lbs	2.72 kg
Dimensions	7.0 x 6.3 x 6.0"	177.8 x 160 x 152.4mm



INJECTOR RATE PERFORMANCE			
Pump RPM	Injector Rate	Pump RPM	Injector RPM
300	3.0 gph	1100	11.0 gph
400	4.0 gph	1200	12.0 gph
500	5.0 gph	1300	12.0 gph
600	6.0 gph	1400	12.0 gph
700	7.0 gph	1500	12.0 gph
800	8.0 gph	1600	12.0 gph
900	9.0 gph	1700	12.0 gph
1000	10.0 gph	1800	12.0 gph

INJECTOR RATE PERFORMANCE

Note:
Performance will vary according to pump RPM, pump stroke and the pulse pump selected.

Required Components

- Adapter Assembly
(See stainless steel high pressure pulse pump datasheet Model 6350)
- Tee
- Metering Valve
- 3-way Ball Valve, Closed Center
- Check Valve
- 1/8" High Pressure Discharge Hose

Required Components

- Pulse Pump Manifold
(See pulse pump injector head datasheet Models 6300 and 6305)
- Flat Valve Assembly
- Metering Valve
- High Pressure Discharge Hose
- Chemical Supply Line

For more information on selection, installation, operation and maintenance, contact Cat Pumps.

CAT PUMPS

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