

10,000 PSI PRODUCTS



Dependable Products for High-Pressure System Demands

High-pressure systems (10,000 psi/689 bar) place extreme demands on system components. Pressure intensification, stress concentration, and metal fatigue can be more pronounced as pressure and pressure fluctuations increase. High-pressure systems require proven products designed to meet the challenge.

Cat Pumps engineers have focused on critical design elements to withstand higher pressures and provide long, trouble-free life:

- Drive-end uses matched connecting rods and oversized bearings with greater loading capacity for longer bearing life
- Concentric, high-density polished solid ceramic plungers provide a true wear surface, resulting in industry-leading seal life
- V-packings and low-pressure seals are completely lubricated and cooled, significantly increasing service life

Cat Pumps has earned the reputation for designing and building the longest-lasting, most dependable high-pressure pumps available. Customers across the globe trust Cat Pumps products to keep their equipment up and running. When it needs to run, make it Cat Pumps.

Applications:

- Hydrostatic Testing
- Chemical Injection
- Surface Prep/Tube Cleaning
- High-Pressure Tooling
- Oilfield Washdown
- Blow Off Preventer (BOP)
- Sewer Drain Blasting/Jetting
- Heavy Equipment Cleaning
- Railroad Undercarriage and Tank Car Cleaning
- Marine Barnacle Growth/ Paint Removal

Model 1810 Triplex Positive Displacement Pump

SPECIFICATIONS	U.S. MEASURE	METRIC MEASURE
Flow	3.0 gpm	11.4 lpm
Pressure Range	100–10,000 psi	6.9–689 bar
Inlet Pressure Range	Flooded to 60 psi	Flooded to 4.1 bar
RPM	1500	1500
Crankcase Capacity	42 oz	1.24 L
Max. Liquid Temperature	160° F	71° C
Inlet Ports (2)	½" NPT(F)	½" NPT(F)
Discharge Ports (3)	¾" NPT(F)	¾" NPT(F)
Weight	60 lbs	27.3 kg
Dimensions	19.53 x 12.99 x 6.44"	496 x 330 x 164 mm



Model 6810 Triplex Positive Displacement Pump

SPECIFICATIONS	U.S. MEASURE	METRIC MEASURE
Flow	10 gpm	37.8 lpm
Pressure Range	100–10,000 psi	6.9–689 bar
Inlet Pressure Range	Flooded to 50 psi	Flooded to 3.5 bar
RPM	600	600
Crankcase Capacity	10 qts	9.46 l
Max. Liquid Temperature	140° F	60° C
Inlet Ports (2)	1" NPT(F)	1" NPT(F)
Discharge Ports (3)	½" NPT(F)	½" NPT(F)
Weight	377.4 lbs	171.5 kg
Dimensions	31.75 x 24.02 x 11.12"	806 x 610 x 282 mm



Matching High-Pressure Accessories

MODEL	PRESSURE
7720 SS Pressure Regulator	2,000–10,000 psi (138–689 bar)
9970 S Unloader Valve	1,160–11,600 psi (80–800 bar)
997587 SS Pop-Off Valve	1,500–10,000 psi (103–689 bar)
9921 SS Rupture Disc	10,000 psi (689 bar)
9920 SS Rupture Disc	15,000 psi (1,034 bar)
6032 SS Pulsation Dampener	Up to 10,000 psi (689 bar)
701610 SS Pulsation Dampener	Up to 10,000 psi (689 bar)
992641 S Pressure-Compensating Shut-Off Gun	Up to 14,500 psi (1,000 bar)
6081 SS Pressure Gauge	Up to 20,000 psi (1,379 bar)
999401 SS Hex Nipple ¾" NPT(M) x ¼" NPT(M)	Up to 15,000 psi (1,034 bar)
999402 SS Reducer Adapter ½" NPT(F) x ¾" NPT(M)	Up to 15,000 psi (1,034 bar)
999403 SS Hex Nipple ½" NPT(M) x ¼" NPT(M)	Up to 15,000 psi (1,034 bar)
999404 SS Hex Plug ¾" NPT(M)	Up to 15,000 psi (1,034 bar)
999405 SS Tee ¾" NPT(F)	Up to 15,000 psi (1,034 bar)
999406 SS Tee ½" NPT(F)	Up to 15,000 psi (1,034 bar)
991453 SS Elbow ¾" NPT(F)	Up to 15,000 psi (1,034 bar)

S = 304 Stainless Steel SS = 316 Stainless Steel



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