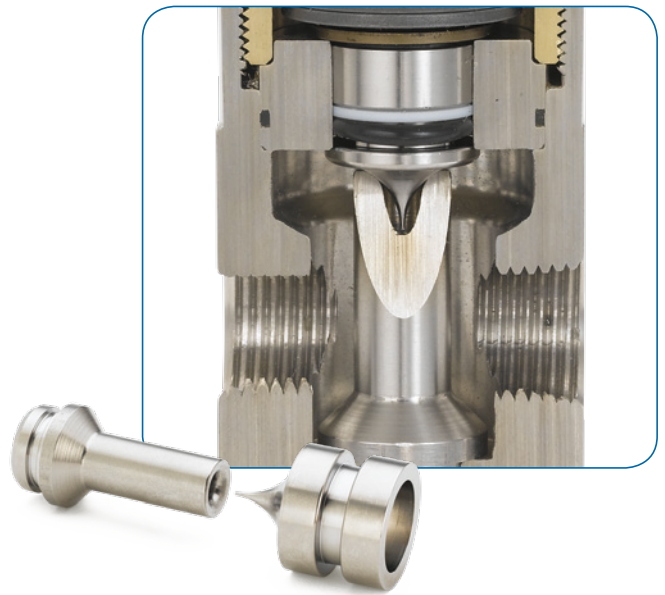


PRESSURE REGULATORS

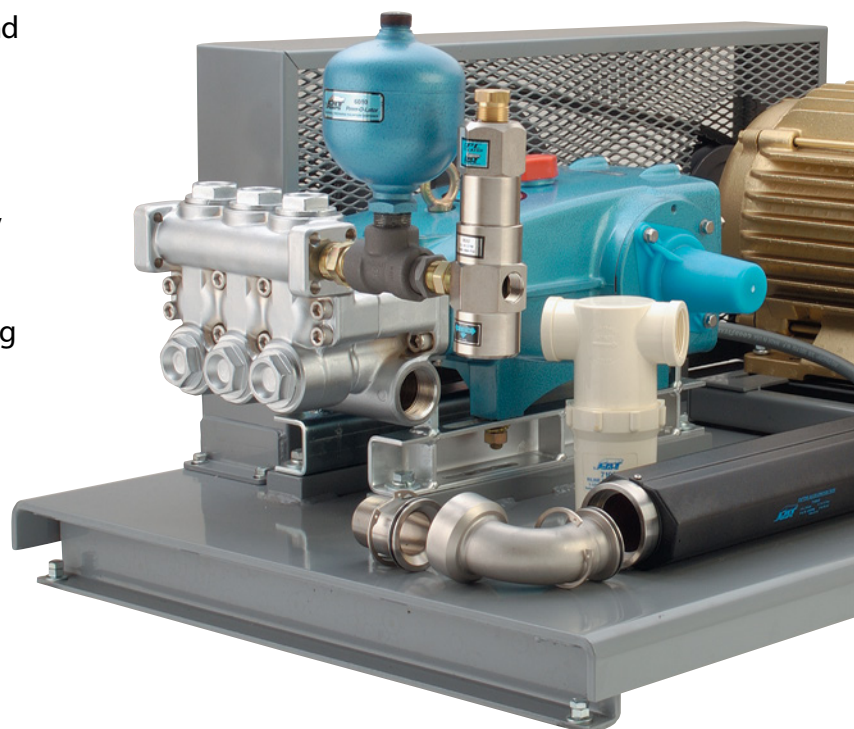


Designed for continuous-duty, industrial applications

Industrial high pressure applications require dependable and quality regulating devices. Regulators are used to set system pressure, by-pass unused liquid without interrupting system operation, and protect the pump from exceeding set system pressure. Models are constructed of steel/nickel plated or stainless steel and are available in sizes up to 378 lpm and 689 bar.



- Conical design lowers minimum required by-pass flow from 10% to 5%, which permits optimum system output while providing more consistent pressure control.
- Lower override pressure compared to competitive designs results in better system protection while reducing wear and energy cost.
- Superior valve design provides smooth, stable service with quiet operation and no chatter.
- Compact in-line plumbing for easy mounting and minimal space requirements.
- Fluorocarbon (FPM) O-rings for durability and a broad liquid compatibility range.
- Compared to traditional poppet style regulators, the conical design virtually eliminates cavitation effects as the high pressure liquid is expanded across the piston and seat, significantly extending service life.

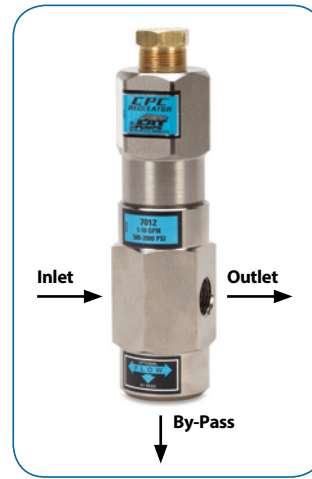


Selection

A properly selected pressure regulator should cover desired system flow, system pressure and potential liquid being pumped. If system flow and pressure are at the maximum for the valve, longer life can be achieved by upgrading to the next size valve.

Installation

Install pressure regulator at the discharge side of the manifold head to optimise reaction to flow demand changes and provide maximum protection from over-pressurisation. Position regulator so adjusting handle or nut is easily accessible.



Flow - Thru Models



Tee - Models

Steel/Nickel Plated (All models are Flow-Thru design)

Model	FLOW RANGE		PRESSURE RANGE		PORTS		Dimensions
	lpm	gpm	bar	psi	Inlet/Discharge	By-Pass	
7001	1.9-19	0.5-5	6.9-69	100-1000	3/8" NPT(F)	1/2" NPT(F)	159 x 38 mm (6.25 x 1.50")
7002	1.9-19	0.5-5	34-138	500-2000	3/8" NPT(F)	1/2" NPT(F)	159 x 38 mm (6.25 x 1.50")
7003	1.9-19	0.5-5	103-257	1500-3000	3/8" NPT(F)	1/2" NPT(F)	159 x 38 mm (6.25 x 1.50")
7011	3.8-38	1-10	6.9-69	100-1000	1/2" NPT(F)	3/4" NPT(F)	190 x 48 mm (7.5 x 1.9")
7012	3.8-38	1-10	34-138	500-2000	1/2" NPT(F)	3/4" NPT(F)	190 x 48 mm (7.5 x 1.9")
7013	3.8-38	1-10	103-207	1500-3000	1/2" NPT(F)	3/4" NPT(F)	190 x 48 mm (7.5 x 1.9")
7014	3.8-38	1-10	138-275	2000-4000	1/2" NPT(F)	3/4" NPT(F)	190 x 48 mm (7.5 x 1.9")
7021	9.5-95	2.5-25	6.9-69	100-1000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7022	9.5-95	2.5-25	34-138	500-2000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7023	9.5-95	2.5-25	103-207	1500-3000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7024	9.5-95	2.5-25	138-275	2000-4000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7031	13.2-132	3.5-35	17-69	250-1000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7032	13.2-132	3.5-35	69-138	1000-2000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7033	13.2-132	3.5-35	103-207	1500-3000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")

Stainless Steel (All models are Flow-Thru design except Tee mount model 7350)

Model	FLOW RANGE		PRESSURE RANGE		PORTS		Dimensions
	lpm	gpm	bar	psi	Inlet/Discharge	By-Pass	
7001.100	1.9-19	0.5-5	6.9-69	100-1000	3/8" NPT(F)	1/2" NPT(F)	159 x 38 mm (6.25 x 1.50")
7002.100	1.9-19	0.5-5	34-138	500-2000	3/8" NPT(F)	1/2" NPT(F)	159 x 38 mm (6.25 x 1.50")
7003.100	1.9-19	0.5-5	103-207	1500-3000	3/8" NPT(F)	1/2" NPT(F)	159 x 38 mm (6.25 x 1.50")
7720	1.9-38	0.5-10	138-689	2000-10,000	1/4" NPT(F)	3/8" NPT(F)	148 x 57 x 41 mm (5.8 x 2.25 x 1.6")
7011.100	3.8-38	1-10	6.9-69	100-1000	1/2" NPT(F)	3/4" NPT(F)	190 x 48 mm (7.5 x 1.9")
7012.100	3.8-38	1-10	34-138	500-2000	1/2" NPT(F)	3/4" NPT(F)	190 x 48 mm (7.5 x 1.9")
7013.100	3.8-38	1-10	103-207	1500-3000	1/2" NPT(F)	3/4" NPT(F)	190 x 48 mm (7.5 x 1.9")
7014.100	3.8-38	1-10	138-275	2000-4000	1/2" NPT(F)	3/4" NPT(F)	190 x 48 mm (7.5 x 1.9")
7350	3.8-45	1-12	28-103	400-1500	1/4" NPT(F)	3/8" NPT(F)	152 x 56 mm (6 x 2.26")
7021.100	9.5-95	2.5-25	6.9-69	100-1000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7022.100	9.5-95	2.5-25	34-138	500-2000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7023.100	9.5-95	2.5-25	103-207	1500-3000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7024.100	9.5-95	2.5-25	138-275	2000-4000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7031.100	13.2-132	3.5-35	17-69	250-1000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7032.100	13.2-132	3.5-35	69-138	1000-2000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7033.100	13.2-132	3.5-35	103-207	1500-3000	3/4" NPT(F)	1" NPT(F)	216 x 57 mm (8.5 x 2.25")
7375	38-284	10-75	6.9-69	100-1000	1-1/4" NPT(F)	1-1/2" NPT(F)	279 x 89 mm (11 x 3.5")
7376	38-284	10-75	34-138	500-2000	1-1/4" NPT(F)	1-1/2" NPT(F)	279 x 89 mm (11 x 3.5")
7410	38-378	10-100	6.9-103	100-1500	1-1/2" NPT(F)	2" NPT(F)	290 x 83 (11.42 x 3.25")

Contact Cat Pumps for traditional tee mount poppet style brass regulators - 7080 (9.4 - 29 lpm/10 - 100 bar), 7082 (9.4 - 29 lpm/58 - 246 bar), 7085 (3.8 - 13.2 lpm/14 - 158 bar).



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