

COMMERCIAL LOW-PRESSURE REGULATORS



TYPE CS200



TYPE CS400



TYPE CS800

Regulator Technologies has a wide range of low-pressure regulators to meet almost any commercial or industrial application. For ease of reference, only the most popular commercial and industrial regulators are shown on this page. Other orifice sizes, body sizes, and outlet pressure ranges are available. See the product guides on pages 37 and 39. The Commercial Service (CS) Regulator Series have a temperature rating of -20 to 160°F / -29 to 71°C, but have passed Fisher® internal testing for lockup, relief start-to-discharge and reseal down to -40°F / -40°C.

Note: Because of various spring ranges and orifice sizes, all commercial and industrial regulators should be individually sized for the particular installation. Consult specific product bulletins for maximum pressures ratings. Contact your local LP-Gas Equipment Distributor for assistance.

Type CS400 – The Type CS400 is a medium capacity low-pressure, direct-operated regulator designed for loads up to 7,800,000 BTU per hour / 88 SCMH, ideal for installations at schools, bakeries, and many other commercial/industrial applications. Available in 1-1/4, 1-1/2, and 2-inch body sizes with spring ranges from 4.5 inches w.c. to 5.5 psig / 11 mbar to 0.38 bar.

Type CS200 – The Type CS200 is a medium capacity low-pressure, direct-operated regulator designed for loads up to 3,800,000 BTU per hour / 44 SCMH, ideal for installations on smaller commercial/industrial applications. Available in 3/4, 1, and 1-1/4-inch body sizes with spring ranges from 3.5-inches w.c. to 2 psig / 9 mbar to 0.14 bar.

Flanged Bodies – The Types CS400 and CS800 are available with a flanged body. Flanges are available in 2-inch / DN 50 body size and CL125 FF end connection.

Type CS800 – The Type CS800 is a direct-operated, spring-loaded regulator which has been engineered for low-pressure commercial service applications. This regulator can accommodate up to 21,600,000 BTU per hour / 243 SCMH of flow capacity and is available in 1-1/2 and 2-inch body sizes with 8-inches w.c. to 5.5 psig / 20 mbar to 0.38 bar pressure ranges.

Note: Types CS200, CS400, and CS800 regulators should be installed with additional/external overpressure protection. These units when installed as part of a two-stage system in fixed piping serving 14 inches w.c. / 35 mbar appliance systems require additional overpressure protection to make the system compliant with NFPA 58 requirements for a two-stage system. Please consult with your LP-Gas Equipment Distributor for more information.

Low-Pressure Commercial Regulators													
TYPE NUMBER	CAPACITIES (PROPANE) ⁽¹⁾		ORIFICE SIZE		INLET AND OUTLET CONNECTIONS, INCHES	OUTLET PRESSURE RANGE		OUTLET PRESSURE SETTING		MAXIMUM OPERATING INLET PRESSURE			
	BTU / hour	SCMH	inches	mm		psig	bar	psig	bar	psig	bar		
CS200IR-6EC1	2,500,000	28	12	127	3/4 FNPT	10 to 14 inches w.c.	25 to 35 mbar	11 inches w.c.	27 mbar	40	2.8		
CS200IR-6EC3	3,800,000	43			1 FNPT								
CS200IR-6EC6	3,900,000	44			1-1/4 FNPT								
CS400IR-8EC6	6,800,000	76	1-1/4 FNPT	34	191					1-1/2 FNPT	20	1.4	
CS400IR-8EC7	7,600,000	85	2 FNPT										
CS400IR-8EC8	7,600,000	85	1	254	1-1/2 FNPT	8 to 12 inches w.c.	20 to 30 mbar	30	2.1				
CS800IR-8CC7	10,460,000	118			2 FNPT								
CS800IR-8CC8	21,809,000	245	12	127	3/4 FNPT	1 to 2	0.06 to 0.14	2	0.14	40	2.8		
CS200IR-6HC1	3,760,000	42			1 FNPT								
CS200IR-6HC3	4,780,000	54			1-1/4 FNPT								
CS200IR-6HC6	5,327,000	60			1-1/4 FNPT								
CS400IR-8HC6	9,715,000	109	34	191	1-1/4 FNPT					1 to 2.5	0.06 to 0.17	30	2.1
CS400IR-8HC7	10,500,000	118			1-1/2 FNPT								
CS400IR-8HC8	8,775,000	99			2 FNPT								
CS820IR-8FC7	15,011,000	169	1	254	1-1/2 FNPT					2 to 5.5	0.14 to 0.38	5	0.35
CS820IR-8FC8	21,436,000	241			2 FNPT								
CS400IR-8IC6	7,365,000	83	34	191	1-1/4 FNPT	2.5 to 5.5	0.17 to 0.38	30	2.1				
CS400IR-8IC7	6,895,000	77			1-1/2 FNPT								
CS400IR-8IC8	7,365,000 ⁽²⁾	83 ⁽²⁾			2 FNPT								
CS820IR-8HC7	15,262,000	171	1	254	1-1/2 FNPT								
CS820IR-8HC8	16,532,000	186			2 FNPT								

1. Capacities are based on 10 psig / 0.69 bar and 2 inches w.c. / 5 mbar droop.
 2. Capacities are based on 10 psig / 0.69 bar and 20% droop.
 NOTE: Additional combinations of body sizes, spring ranges, and orifice sizes are available. See guides on page 37. Consult your LP-Gas Equipment distributor for more information.