

Commercial/Industrial Regulators

Bergquist

For large loads like factories, office buildings, restaurants, etc., Fisher has a variety of commercial/industrial regulators. Only the most popular commercial and industrial regulators are shown here. Other orifice sizes and outlet pressure ranges are available. The higher capacities on commercial and industrial installations usually require a Two-Stage regulator system.



627

627 & 630... Large capacity high pressure regulators for use in conjunction with CS400 and S202G units. They can also be used on Final-Stage (pounds to pounds) service. An 1805 relief valve is recommended to prevent excessive build-up in the downstream line.

627M ... Monitor regulators

Gas system monitoring is overpressure control by containment. When the primary regulator fails to control the source pressure, a second regulator installed in series, which has been sensing the downstream pressure, goes into operation to maintain the downstream pressure at a slightly higher than normal pressure. The monitoring configuration is commonly used for large and multiple outlet installations, such as with jurisdictional systems.

The major advantage is there is no venting to atmosphere. During an overpressure situation, monitoring keeps the customer on line and keeps the downstream pressure close to the set point of the working regulator. To perform a periodic test on a monitor, increase the outlet set pressure and watch the pressure to determine if the monitor takes over.



CS400



When selecting regulators for use in a monitor system, the upstream regulator must have a control line. When determining the capacity of a monitor system, keep in mind the flow will be approximately 70% of the capacity of a single regulator when using the same regulator for both regulators in the system.



S202G

CS400 AND CS200... Large capacity low pressure regulators for installation at schools, bakeries, and many other commercial/industrial applications. Both contain a limited capacity internal relief valve; for high capacity relief, a 289 or 289P relief valve is required in the downstream system.

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Commercial/Industrial Regulators (cont.)

Fisher Commercial/Industrial Regulators

Type Number	BTU/HR Capacity ³	Orifice Size	Inlet/Outlet Connection	Outlet Pressure Range	Outlet Pressure Setting	Maximum Operating Inlet Pressure
627/5810	6,080,000	3/8"	3/4" FNPT	5-20 psig	10 psig	250 psig
627/5810V'	6,080,000	3/8"	3/4" FNPT	5-20 psig	10 psig	250 psig
627R/1113²	6,080,000	3/8"	3/4" FNPT	5-20 psig	10 psig	200 psig
627/6210	10,755,000	1/2"	3/4" FNPT	5-20 psig	10 psig	250 psig
627/6210V'	10,755,000	1/2"	3/4" FNPT	5-20 psig	10 psig	250 psig
627/7710	10,773,000	1/2"	1" FNPT	5-20 psig	10 psig	250 psig
627/7710V'	10,773,000	1/2"	1" FNPT	5-20 psig	10 psig	250 psig
627M-416	6,080,000	3/8"	3/4" FNPT	5-20 psig	10 psig	250 psig
627M-421	10,755,000	1/2"	3/4" FNPT	5-20 psig	10 psig	250 psig
627M-471	10,773,000	1/2"	1" FNPT	5-20 psig	10 psig	250 psig
627M-267	10,142,200	1/2"	2" FNPT	5-20 psig	10 psig	250 psig
630-104/78	14,000,000	1/2"	1" FNPT	8-20 psig	10 psig	250 psig
CS200IR6EC1	2,500,000	1/2"	3/4" FNPT	10 - 14" wc	11" wc	40 psig
CS200IR6EC3	3,800,000	1/2"	1" FNPT	10 - 14" wc	11" wc	40 psig
CS200IR6EC6	3,900,000	1/2"	1 1/4" FNPT	10 - 14" wc	11" wc	40 psig
CS400IR-8EC6	6,800,000	3/4"	1 1/4" FNPT	10 - 14" wc	11" wc	20 psig
CS400IR-8EC7	7,600,000	3/4"	1 1/2" FNPT	10 - 14" wc	11" wc	20 psig
CS400IR-8EC8	7,600,000	3/4"	2" FNPT	10 - 14" wc	11" wc	20 psig
S202G-BNC	10,200,000	1"	1 1/2" FNPT	9 - 18" wc	11" wc	25 psig
S202G-CNC	21,600,000	1"	2" FNPT	9 - 18" wc	11" wc	25 psig
S202H-CNK	21,954,000	1"	2" FNPT	1.5 - 3.25 psig	2 psig	25 psig

Notes:

- (1) Regulator denoted with V has Vitron Trim
- (2) Regulator has an internal relief
- (3) For all 627 & 630 series regulators the capacities are based in inlet pressure 20 psig greater than outlet pressure, internal registration and 20% droop. For the S202G-BNC and CNC regulators the capacities are based on 10 psig inlet pressure and 2" wc droop. The S202H regulator capacity is based on 10 psig inlet and 20% droop

All regulator models have alternate orifice sizes and pressure ranges available - please discuss your needs with our sales team

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.



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Supplemental relief valves for use with;

627 & 630 regulators use 1805-19 (1") or 1805-52 (2")
 S302 & S202 regulators use 289H-2 (2")