

High-Purity Pressure Regulators Stainless Steel Single-Stage Models



Description: These stainless steel single-stage, high-purity regulators are recommended for non-corrosive analytical and process applications where precise flow control is not critical. A specially designed, convoluted, stainless steel diaphragm provides good regulating performance and maximum purity integrity without the need for a soft seal, which often can be a source of contamination.

Each regulator is capable of withstanding an internal vacuum and is provided with a diffusion-resistant, diaphragm packless outlet valve to maintain system purity. The optional bonnet vent adaptor allows for the venting of hazardous gases in the event of diaphragm failure.

Design Features

- **Convoluted Stainless Steel Diaphragms**
-provide superior leak integrity without contamination from non-metallic liner or seal.
- **Bonnet Vent Ports** (with optional bonnet vent adaptors)
-allow venting of hazardous gases in the event of diaphragm failure.
- **Standard Threaded Bonnet** (with optional collar mount nuts)
-permits panel mounting.
- **Diaphragm Packless Valve** (with ¼" Swagelok® fitting)
-promotes system purity.
- **Five Outlet Pressure Ranges**
-provide application pressure compatibility.

Specifications

Maximum Rated Inlet Pressure	3,000 PSIG
Outlet Pressure Ranges	0-25, 0-50, 0-100, 0-250, 0-500 PSIG
Flow Capacity	Cv=0.095
Ambient Operating Temperature	-40° F to +165° F
Designed Leak Rate	2 x 10 ⁻⁸ ccs (helium)
Weight	3 lbs
Ports (5)	¼" FNPT
Inlet	¼" FNPT
Outlet	¼" Swagelok®
Decay Inlet Characteristic	1.78/100 PSI

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Stainless Steel Single-Stage Models (continued)

Materials	
Body	316 Stainless Steel
Bonnet	316 Stainless Steel
Seat	PCTFE
Diaphragm	316 Stainless Steel
Gauges	2½" Stainless Steel
Filter	316 Stainless Steel
Outlet Valve	Stainless Steel
Trim	Stainless Steel

Ordering Information							
Product Number	Material	Max Inlet Press. (PSIG)	Max Outlet Press. (PSIG)	Capacity (scfh @ Max Del. Press.)	Inlet Gauge Range (PSIG)	Delivery Gauge Range (PSIG)	Price
Y11-C444A(CGA)	316 SS	3,000	25	900	0-3,000	30" Hg-0-30	\$619.00
Y11-C444B(CGA)	316 SS	3,000	50	1,250	0-3,000	0-60	\$619.00
Y11-C444D(CGA)	316 SS	3,000	100	1,750	0-3,000	0-200	\$619.00
Y11-C444F(CGA)	316 SS	3,000	250	2,700	0-3,000	0-400	\$619.00
Y11-C444G(CGA)	316 SS	3,000	500	3,500	0-3,000	0-1,000	\$619.00

Available Options		
Product Number	Description	Price
Y99-HT(CGA)	Hand-Tight CGA Connection	\$77.00
Y99-BONNETADP	Bonnet Vent Adaptor	\$10.00
Y99-4VCR	Male VCR Connections on Inlet/Outlet	\$50.00
Y99-SMPNLNUT	Panel Mount Nut (2 required)	\$9.00