

High-Purity Pressure Regulators (continued)



**Product Numbers:
F7210003011 &
F7210003003**

F7210 Stainless Steel Single-Stage Models

The F7210 series stainless steel single-stage, high-purity regulators are recommended for 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 purging and is provided with a diffusion-resistant, diaphragm packless outlet valve to maintain system purity. These regulators are ultrasonically cleaned for high-purity service.

Features

- **Stainless Steel Diaphragm**
Provides superior leak integrity without contamination from non-metallic liner or seal
- **Bonnet Vent Ports**
Allow venting of hazardous gases in the event of diaphragm failure
- **Standard Threaded Bonnet**
Permits panel mounting.
- **Diaphragm Packless Valve**
Promotes system purity.

(continued)

High-Purity Pressure Regulators (continued)

F7210 Series

Specifications

Maximum Rated Inlet Pressure	3,500 PSIG
Outlet Pressure Ranges	0-25, 0-50, 0-100, 0-250, 0-500 PSIG
Flow Capacity	Cv=0.06
Ambient Operating Temperature	-40° F to +165° F
Designed Leak Rate	2 x 10 ⁻⁸ ccs (helium)
Weight	3 lbs
Ports (4)	1/4" FNPT
Outlet	1/4" Swagelok®
Decay Inlet Characteristic	1.78/100 PSI

Materials

Body	316 Stainless Steel
Bonnet	316 Stainless Steel
Seat	Teflon
Diaphragm	316 Stainless Steel
Gauges	2" 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)	Inlet CGA
F7210003011	316 SS	3,000	50	1,250	0-3,000	30"0-60	350
F7210003003	316 SS	3,000	100	1,750	0-3,000	30"-0-200	580

Note: Refer to flow curve chart 4422curv3000 in Technical Data Section