

Analytical Pressure Regulators

Brass Two-Stage Models

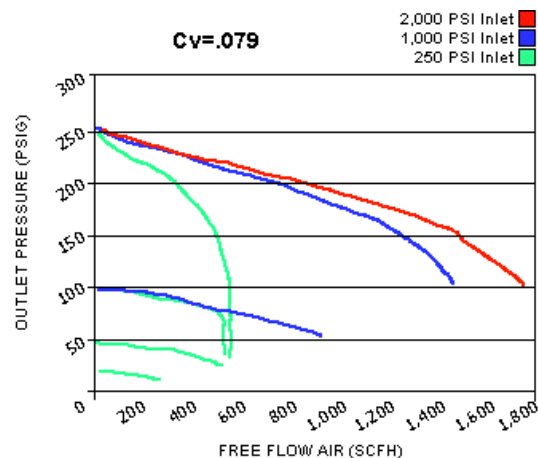


Description: This series of high-purity, two-stage regulators is recommended for non-corrosive analytical and process applications where precise pressure control is required. This series is ideally suited for chromatographic carrier gas applications including FID, TCD, ECD, HID, and non-corrosive gas mixtures for analytical instrumentation. These units feature stainless steel diaphragms and bar stock bodies with low internal volume and minimal dead space.

This two-stage design yields a delivery pressure change of less than 0.26/100 psi inlet change, making this one of the most accurate regulators available from full cylinder to empty. An automatic reseating relief valve protects regulator components from over pressurization while dual filters protect the valve seats and extend operating service life. These regulators are nickel-plated to maintain their appearance.

Design Features

- **Stainless Steel Diaphragms**
-eliminates outgassing associated with elastometric diaphragms.
- **Bar Stock Body**
-affords low internal volume.
- **Dual Filters**
-protect valve seat, extend service life.
- **Nickel-Plated Brass Body**
-provides enhanced overall aesthetics, will not tarnish.



Specifications

Maximum Rated Inlet Pressure	3,000 PSIG
Outlet Pressure Ranges	0-15, 0-50, 0-100, 0-250 PSIG
Flow Capacity	Cv=0.079
Ambient Operating Temperature	-40° F to +165° F
Designed Leak Rate	Bubble-Tight (helium)
Weight	5 lbs
Ports (4)	¼" FNPT
Inlet	¼" FNPT
Outlet	¼" MNPT Instrument Valve
Decay Inlet Characteristic	0.26/100 PSI

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Brass Two-Stage Models (continued)

Materials	
Body	Nickel-Plated Brass
Bonnet	Nickel-Plated Brass
Seats	Teflon®
Diaphragms	316 Stainless Steel
Gauges	2½" Nickel-Plated Brass
Filter	316 Stainless Steel and Bronze
Valve Stem	316 Stainless Steel
Valve Spring	316 Stainless Steel
Outlet Valve	Nickel-Plated Brass
Trim	Nickel-Plated Brass

Ordering Information								
Product Number	Material	Max Inlet Press. (PSIG)	Max Outlet Press. (PSIG)	Capacity (scfh @ Max Del. Press.)	Relief Valve Setting (PSIG)	Inlet Gauge Range (PSIG)	Delivery Gauge Range (PSIG)	Price
Y12-244A(CGA)	Brass	3,000	15	90	350	0-3,000	30" Hg-0-30	\$355.00
Y12-244B(CGA)	Brass	3,000	50	210	350	0-3,000	0-60	\$355.00
Y12-244D(CGA)	Brass	3,000	100	310	350	0-3,000	0-200	\$355.00
Y12-244F(CGA)	Brass	3,000	250	400	350	0-3,000	0-400	\$355.00

Available Options		
Product Number	Description	Price
Y99-26120	1/4" FNPT x 1/4" Swagelok®	\$8.00
Y99-26140	1/4" FNPT x 1/8" Swagelok®	\$8.00
Y99-SMPNLNUT	Panel Mount Nut (2 required)	\$9.00