Specialty Gas Equipment



PRESSURE REGULATORS

Analytical



Design Features

Check Valve Cylinder Connections Prevents air and contaminants from entering process stream during cylinder change out Filtered Seat for added gas stream purity and extended service life. Stainless Steel Diaphragms eliminates outgassing associated with elastometric diaphragms. Bar Stock Body provides low internal volume. Encapsulated Filter Seat Assy protect valve seat, extend service life. Nickel-Plated Brass Body provides long-lasting good looks; will not tarnish. Panel Mount Bonnets front and rear.

Specifications

Pressure 3,500 psig			
ure Ranges 0-25, 0-50, 0-100, 0-250 psig			
Cv=0.058			
-40° F to +165°F			
Bubble-Tight (helium)			
4.4 lbs			
1/4" FNPT			
1/4" FNPT			
1/4" MNPT			
0.26/100 psi			

Two-Stage Brass Regulators

Description: This analytical series of high-purity brass, twostage 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.

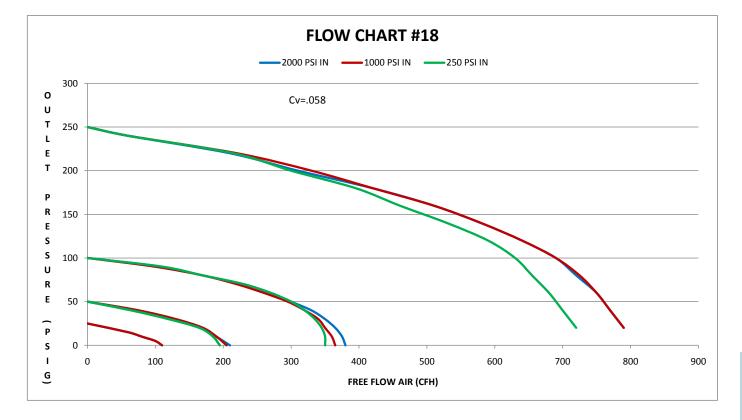
The check valve cylinder connection prevents air and contaminants from entering the gas stream during cylinder change out. This creates consistencies in processes and extends column life in GC applications. The needle valve model has the valve built into the regulator body reducing the gas path. The 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 the encapsulated filter assembly protect the valve seats and extend operating service life. These regulators are nickel-plated to maintain their appearance through years of service.

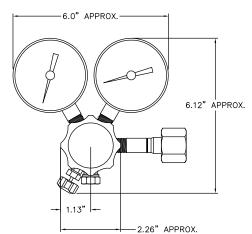
Materials	
Body	Nickel-Plated Brass
Bonnet	Nickel-Plated Brass
Seat	PTFE
Diaphragm	316 Stainless Steel
Gauges	2 1/2" Nickel-Plated Brass
Filter	316 Stainless Steel and Bronze
Valve Stem	316 Stainless Steel
Valve Spring	316 Stainless Steel
Outlet Valve	Needle valve in body
Trim	Nickel-Plated Brass

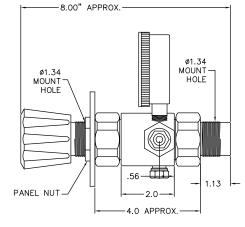
Ordering Information							
Product Number	Material	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)	Capacity (scfh @ Max Del. Pressure)	Relief Valve Setting (psig)	Inlet Gauge Range (psig)	Delivery Gauge Range (psig)
Y12-244A(CGA)	Brass	3,500	25	250	85	0-4,000	30" Hg-0-30
Y12-244B(CGA)	Brass	3,500	50	450	150	0-4,000	0-60
Y12-244D(CGA)	Brass	3,500	100	900	150	0-4,000	0-200
Y12-244F(CGA)	Brass	3,500	250	1500	350	0-4,000	0-400

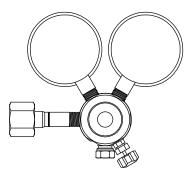
Available Options				
Product Number	Description			
Y99-26120	1/4" FNPT x 1/4" Compression			
Y99-26140	1/4" FNPT x 1/4" Compression			
Y15-QMB1	Quick Mounting Option for 1 Cylinder			
Y15-QMB2	Quick Mounting Option for 2 Cylinders			

Specialty Gas Equipment









an Air Liquide company

TWO STAGE REGULATOR