



Single-Stage Brass Regulators

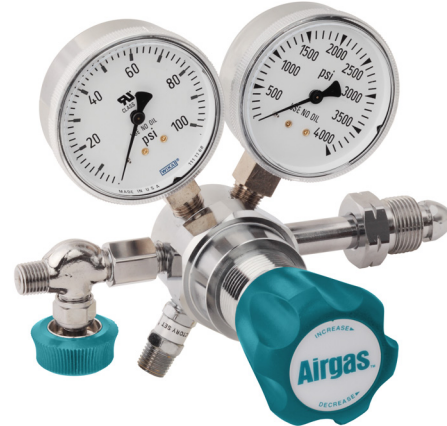
Description: This analytical series of high-purity brass single-stage regulators is recommended for non-corrosive analytical and process applications where precise pressure control is not required. The check valve cylinder connection prevents air and contaminants from entering the gas stream during cylinder change out. This creates consistencies in processes and extends column life in GC applications.

Machined from brass bar stock, this regulator body has minimal internal volume - there are no large cavities and pockets associated with forged-body regulators.

These models feature encapsulated filter assemblies to protect the valve seat from contamination, extending regulator service life while also reducing velocity of gas when opening high-pressure cylinder valves. An automatic reseating relief valve protects regulator components from over pressurization. Chrome-plating makes the appearance last through many years of service.

Analytical

ANALYTIC SERIES PRESSURE REGULATORS



Design Features

Check Valve Cylinder Connections

Prevents air and contaminants from entering process stream during cylinder change out

Stainless Steel Diaphragms

eliminates outgassing associated with elastometric diaphragms.

Bar Stock Body

for low internal volume.

Encapsulated Filter Seat Assy

for added gas stream purity and extended service life.

Chrome Nickel-Plated Brass Body

provides long-lasting good looks; will not tarnish.

Mounting

front panel mount bonnet and (2) #10-32 holes for rear mounting.

| Specifications | |
|-------------------------------|-------------------------------|
| Maximum Rated Inlet Pressure | 3,500 psig |
| Outlet Pressure Ranges | 0-25, 0-50, 0-100, 0-250 psig |
| Flow Capacity | Cv=0.08 |
| Ambient Operating Temperature | -40° F to +165°F |
| Designed Leak Rate | Bubble-Tight (helium) |
| Weight | 3.2 lbs |
| Ports (6) 3HP, 3LP | ¼" FNPT |
| Inlet | ¼" FNPT |
| Outlet | ¼" MNPT Instrument Valve |
| Decay Inlet Characteristic | 1.8 psi/100 psi |

| Materials | |
|--------------|----------------------------|
| Body | Chrome Nickel-Plated Brass |
| Bonnet | Chrome Nickel-Plated Brass |
| Seat | PTFE |
| Diaphragm | 316 Stainless Steel |
| Gauges | 2½" Nickel-Plated Brass |
| Filter | Nickel-Plated Bronze |
| Valve Stem | 316 Stainless Steel |
| Valve Spring | 18-8 SS |
| Outlet Valve | Needle valve with ¼" MNPT |
| 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) |
|------------------|----------|---------------------------|----------------------------|-------------------------------------|-----------------------------|--------------------------|-----------------------------|
| Y11-AS244A (CGA) | Brass | 3,500 | 25 | 250 | 50 | 0-4,000 | 0-30 |
| Y11-AS244B (CGA) | Brass | 3,500 | 50 | 500 | 100 | 0-4,000 | 0-60 |
| Y11-AS244D (CGA) | Brass | 3,500 | 100 | 1000 | 250 | 0-4,000 | 0-200 |
| Y11-AS244F (CGA) | Brass | 3,500 | 250 | 2000 | 500 | 0-4,000 | 0-400 |

| Available Options | |
|-------------------|---------------------------------------|
| Product Number | Description |
| Y99-26120 | ¼" FNPT x ¼" Compression Brass |
| Y99-26140 | ¼" FNPT x ½" Compression Brass |
| Y15-QMB1 | Quick Mounting Option for 1 Cylinder |
| Y15-QMB2 | Quick Mounting Option for 2 Cylinders |