

Single-Stage Brass Regulators

General-Purpose Brass

ANALYTIC SERIES PRESSURE REGULATORS

Description: This general-purpose, single-stage regulator is well suited for closely monitored, short run work. The stainless steel diaphragm makes it suitable for analytical applications. The regulator has a compact design to reduce weight and make the regulator more durable. The external chrome plating allows the exterior surfaces to maintain a good appearance in outdoor environments. Nickel plating of the internal gas path surfaces makes it an excellent choice for analytical applications. A preset safety relief valve makes these regulators suitable for use only with noncorrosive gases.



Design Features

Filtered Seat (10 micron)
for added gas stream purity and extended service life.

Convoluted Stainless Steel Diaphragms (302 SS)
provide precise pressure control.

Large, 2½" Nickel-Plated Brass Gauges
for accurate, easy reading.

Outlet Needle Valve

Preset Safety Relief Valve
prevents excessive pressure buildup.

Encapsulated Filtered Seat Assy
protect parts, extend service life.

Chrome Nickel-Plated Bar Stock Body
provides long-lasting good looks; will not tarnish.

Two (2) 10-32 Taps
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=0.17
Ambient Operating Temperature	-40° F to +165° F
Designed Leak Rate	Bubble-Tight (helium)
Weight	3.5 lbs
Ports (5)	¼" FNPT
Inlet	¼" FNPT
Outlet	¼" MNPT
Decay Inlet Characteristic	1.8 psi/100 psi

Materials

Body	Chrome Nickel-Plated Brass
Bonnet	Chrome Plated Die Cast
Seat	PTFE
Diaphragm	302 Stainless Steel
Gauges	2½" Nickel-Plated Brass
Filter	Nickel-Plated Bronze
Valve Stem	316 Stainless Steel
Valve Spring	18-8 Stainless Steel
Outlet Valve	Nickel-Plated Brass
Trim	Nickel-Plated Brass

Ordering Information

Product Number	Material	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)	Capacity (scfh @ Max Del. Pressure)	Delivery Gauge Range (psig)
Y11-AS215A (CGA)	Brass	3,000	25	500	0-30
Y11-AS215B (CGA)	Brass	3,000	50	810	0-60
Y11-AS215D (CGA)	Brass	3,000	100	1,350	0-200
Y11-AS215F (CGA)	Brass	3,000	250	1,720	0-400

Available Options

Product Number	Description
Y99-26120	¼" FNPT x ¼" Compression Brass
Y99-26140	¼" FNPT x ½" Compression Brass
Y99-CKCGA	Check Valve CGA Connection