

Single-Stage Brass 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 unique design to reduce weight and make the regulator more durable. The composite bonnet and the outlet valve are incorporated into the regulator body to reduce weight. The external nickel plating, along with the composite bonnets, 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.

General-Purpose **PRESSURE REGULATORS**



Design Features

Filtered Seat

for added gas stream purity and extended service life.

Composite bonnets

reduce weight and extend finish in outdoor environments.

316 Stainless Steel Diaphragms

provide precise pressure control.

Large, 2 1/2" Nickel-Plated Brass Gauges

for accurate, easy reading.

Outlet Needle Valve

built into body

Preset Safety Relief Valve

prevents excessive pressure buildup.

Encapsulated Filtered Seat Assy

protect parts, extend service life.

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=0.15
Ambient Operating Temperature	-40° F to +165° F
Designed Leak Rate	Bubble-Tight (helium)
Weight	3.32 lbs
Ports (4)	1/4" FNPT
Inlet	1/4" FNPT
Outlet	1/4" MNPT
Decay Inlet Characteristic	0.58/100 psi

Materials

Body	Nickel-Plated Brass
Bonnet	Composite
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	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)	Relief Valve Setting (psig)	Inlet Gauge Range (psig)	Delivery Gauge Range (psig)
Y11-215A(CGA)	Brass	3,500	25	500	85	0-4,000	0-30
Y11-215B(CGA)	Brass	3,500	50	850	150	0-4,000	0-60
Y11-215D(CGA)	Brass	3,500	100	1,500	150	0-4,000	0-200
Y11-215F(CGA)	Brass	3,500	250	1,950	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 1/8" Compression
Y99-CKCGA	Check Valve CGA Connection

