

Special Service Pressure Regulators Ultra-High-Pressure Models



Description: These ultra-high-pressure regulators are recommended for control of non-corrosive gases supplied in cylinders up to 6,000 psig. The regulators feature a piston sensor which provides increased safety at high delivery pressures.

An adjustable vent valve allows the operator to reduce pressure settings in a closed system by venting the downstream pressure through the regulator.

These regulators also feature a soft-seated main valve which provides bubble-tight service for dead-end applications. Internal parts are protected by a 20-micron, sintered bronze filter.

Note: These regulators are not cleaned for oxygen service, and should not be used with any flammable gases unless positioned beneath a suitable fume hood.

Design Features

- **Unique Adjusting Mechanism**
-provides excellent sensitivity over a wide range of pressure settings.
- **Unbalanced Stem**
-permits positive shutoff.
- **Piston Sensor**
-provides increased safety and reliability.
- **Self-Relieving Capability** (*for models used with non-flammable gases*)
-allows operator to reduce pressure setting in a closed system.
- **Non-Venting Capability**
-for NV models, prevents self-relieving of flammable gases.

Specifications

Maximum Rated Inlet Pressure	6,000 or 10,000 PSIG
Outlet Pressure Ranges	0-4,000, 0-6,000 PSIG
Flow Capacity	Cv=0.06
Ambient Operating Temperature	-65° F to +165° F
Designed Leak Rate	Bubble-Tight (helium)
Weight	5 lbs
Outlet	¼" MNPT
Decay Inlet Characteristic	.70/100 PSI

(continued on next page)



Special Service Pressure Regulators

Ultra-High-Pressure Models (continued)

Materials	
Body	Brass or 303 Stainless Steel
Bonnet	Brass or Nickel-Plated Brass
Seat	Vespel®
Piston	316 Stainless Steel or Brass
Vent Seat	PCTFE
Seal	Buna-N
Backup Rings	Buna-N and Teflon®
Gauges	2½" Stainless Steel or Brass
Outlet Valve	316 Stainless Steel

Ordering Information							
Product Number	Material	Max Inlet Press. (PSIG)	Max Outlet Press. (PSIG)	Capacity (scfh @ Max Del. Press.)	Inlet Gauge Range (PSIG)	Delivery Gauge Range (PSIG)	Price
Y11-N198J(CGA)	Brass	6,000	4,000	10,000	0-10,000	0-6,000	\$922.00
Y11-N198K(CGA)	Brass	6,000	6,000	10,000	0-10,000	0-6,000	\$922.00
Y11-C198J(CGA)	303 SS	10,000	4,000	10,000	0-10,000	0-6,000	\$1,182.00
Y11-C198K(CGA)	303 SS	10,000	6,000	10,000	0-10,000	0-6,000	\$1,182.00
Y11-N198JNV(CGA) *	Brass	6,000	4,000	10,000	0-10,000	0-6,000	\$922.00
Y11-N198KNV(CGA) *	Brass	6,000	6,000	10,000	0-10,000	0-6,000	\$922.00
Y11-C198JNV(CGA) *	303 SS	10,000	4,000	10,000	0-10,000	0-6,000	\$1,182.00
Y11-C198KNV(CGA) *	303 SS	10,000	6,000	10,000	0-10,000	0-6,000	\$1,182.00

* Non-venting design for use with flammable gases.