High Delivery Pressure Models

Description: Designed for a wide range of pressure settings, these single-stage regulators are recommended for use in petroleum field applications, research laboratories for hydrogenation, catalytic reduction, accelerated age testing, calorimetric testing, component testing, and pressure testing applications.

These regulators feature a rugged brass piston, which provides increased safety and reliability at high delivery pressures. A 25-micron inlet filter protects internal components.

Y11-N198J/K
Y11-N114G
Y11-N115H

Y11-C198J
Y11-C198K

Design Features

Rugged Brass Piston
provides increased safety and reliability at high delivery pressures.

Bonnet Vent Ports *(with optional bonnet vent adaptors)*
allow venting of hazardous gases in the event of sensor O-ring failure.

Standard Threaded Bonnet *(with optional collar mount nuts)*
permits panel mounting.

Ultrasonic Cleaning
allows high-purity gas handling without costly pre-cleaning.

Specifications

Specifications	
Maximum Rated Inlet Pressure	3,000 psig
Outlet Pressure Ranges	0-1000, 0-2,000, 0-4,000, 0-6,000 psig
Flow Capacity	Cv=0.06
Ambient Operating Temperature	-15° F to +165° F
Designed Leak Rate	Bubble-Tight (helium)
Weight	3 lbs
Ports (5)	¼" FNPT
Outlet	¼" MNPT Instrument Valve
Decay Inlet Characteristic	1.00/100 psi

Materials

Materials	
Body	Nickel-Plated Brass
Bonnet	Nickel-Plated Brass
Seat	PCTFE
Piston	Brass
Piston O-Ring	Viton-A®
Backup Ring	PTFE
Gauges	2½" Nickel-Plated Brass
Filter	316 Stainless Steel

Equipment

Ordering Information

Product Number	Material	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)	Capacity (scfh @ Max Del. Pressure)	Relief Valve Port	Inlet Gauge Range (psig)	Delivery Gauge Range (psig)
Y11-N114G(CGA)	Brass	3,000	1,500	2,500	No	0-4,000	0-2,000
Y11-N115H(CGA)	Brass	3,000	2,500	3,000	No	0-4,000	0-4,000
*Y11-N198J(CGA)	Brass	6,000	4,000	10,000	No	0-10,000	0-6,000
*Y11-N198K(CGA)	Brass	6,000	6,000	10,000	No	0-10,000	0-6,000
*Y11-C198J(CGA)	SS	10,000	4,000	10,000	No	0-10,000	0-6,000
*Y11-C198K(CGA)	SS	10,000	6,000	10,000	No	0-10,000	0-6,000
Y11-C114G(CGA)	SS	4,000	1000	1,270	No	0-4,000	0-2,000
Y11-C115H(CGA)	SS	6,000	2000	1,270	No	0-4,000	0-3,000

*Self venting

Available Options

Product Number	Description
Y99-BONNETADP	Bonnet Vent Adaptor
Y99-CHROMNUT	Panel Mount Nut (2 required)
Y99-750BKT	Wall Mounting Bracket