

Stainless Steel Line Models (Threadless Seat)

Description: This series of stainless steel high-purity, single-stage line regulators is recommended for applications where diffusion resistance is required. These regulators are recommended for use on low-pressure pipelines serving gas chromatographs, mass spectrometers, research sampling systems, and semiconductor processing.

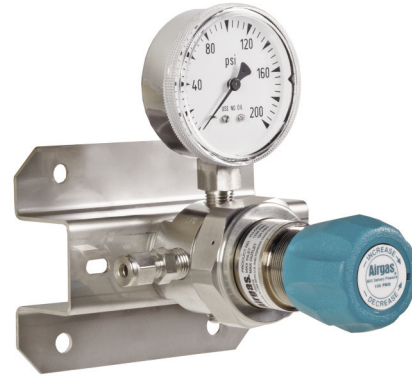
The specially-designed, convoluted Hastelloy C-22 diaphragm provides accurate, stable delivery pressure and is capable of withstanding internal vacuum purging. These units are easily mounted to panels using the optional panel-mount nuts with the threaded bonnet. Two 10 x 32 UNF-threaded holes in the body allow for bracket or external panel mounting. The optional bonnet vent adaptor allows venting of hazardous gases in the event of diaphragm failure.

Specifications	
Maximum Rated Inlet Pressure	1,250 psig
Outlet Pressure Ranges	0-10, 0-30, 0-60, 0-100, 0-250 psig
Flow Capacity	Cv=0.15*
Ambient Operating Temperature	-40° F to +150° F
Designed Leak Rate	bubble tight
Weight	2 lbs
Ports (4)	1/4" FNPT
Inlet	1/4" FNPT
Outlet	1/4" FNPT

*C441AA = CV = 0.06.

High-Purity

PRESSURE REGULATORS



Shown with optional mounting bracket and 1/4" compression fittings

Design Features

Convoluted Hastelloy C-22 Diaphragms

provide superior leak integrity without contamination from a non-metallic liner or seal.

Bonnet Vent Ports (with optional bonnet vent adaptors)

allow venting of hazardous gases in the event of diaphragm failure.

Standard Threaded Bonnet (with optional collar-mount nuts)

for easy panel mounting.

High-Flow Capacity

permits excellent pressure control for multi-instrument applications.

Threadless Seat Design

provides longer regulator life.

Materials

Body	316 Stainless Steel
Bonnet	Nickle Plated Brass
Seat	PCTFE
Diaphragm	Hastelloy C-22
Gauge	2 1/2" Stainless Steel
Filter	316 Stainless Steel
Trim	316 Stainless Steel
Poppet Spring	Inconel

Ordering Information

Product Number	Material	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)	Capacity (scfh @ Max Del. Pressure)	Delivery Gauge Range (psig)
Y11-C441AA	316 SS	1,250	10	440	30" Hg-0-30
Y11-C441A	316 SS	1,250	30	600	30" Hg-0-30
Y11-C441B	316 SS	1,250	60	1,080	0-100
Y11-C441C	316 SS	1,250	100	1,140	0-200
Y11-C441F	316 SS	1,250	250	1,750	0-400

Available Options

Product Number	Description
Y99-CHROMNUTV	Panel Mounting Nut
Y99-BONNETADP	Bonnet Vent Adaptor
Y15-418984	Wall Mount Bracket
Y99-26460	1/4" MNPT x 1/4" Compression