



Model 9360 and 9370 Series ULTRA-LINE® Single-Stage Ultra High-Purity Stainless Steel Regulator with Tied Diaphragm



- 2" inlet and delivery pressure gauges
- Autogeneous butt-welded connections
- Only one non-metallic seal in the process stream
- Standard 10-15 Ra surface finish
- Sealed and ventable bonnet
- Helium leak tested to 1×10^{-9} scc/sec
- Assembled, tested and packaged in a class 100 clean area
- Body screw thread tapped for back mounting

Materials of Construction

	Model 9360 Series	Model 9370 Series
Gauges:	316L stainless steel	316L stainless steel
Body:	316L stainless steel	316L stainless steel
Bonnet:	Nickel plated brass	Nickel plated brass
Diaphragm:	316 stainless steel	Hastelloy C-22
Seat:	Kel-F 81	Kel-F 81
Linkage:	316 stainless steel	Hastelloy C-22
Spring:	316 stainless steel	Hastelloy C-22
Seals:	Metal to metal	Metal to metal

Description

Ultra high-purity stainless steel regulators with a tied seat design, for use with corrosive, toxic, or pyrophoric gases.

Applications

- All semiconductor industry gas applications, such as dispensing of dopant or etchant gases, or handling hazardous gases.

Design Features/Components

- Available in two choices of materials: 316L stainless steel with 316 stainless steel internals (Model 9360 Series), or 316L stainless steel with Hastelloy C-22 internals (Model 9370 Series).
- Tied seat design ensures regulator closure under extreme conditions.

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Maximum Flow Rate:	9367 - 17 SCFM (480 SLPM)
(At 3000 psig Inlet, N ₂)	9363 - 7 SCFM (200 SLPM)
Flow Capacity (Cv):	0.09
Operating Temperature:	-40°F to 160°F (-40°C to 71°C)
Porting:	1/4" VCR compatible
Porting Configuration:	2 High, 2 Low
Shipping Weight:	5 lbs

Ordering Information

All of the Model 9360 and 9370 Series are shipped double bagged under purified Argon. All gauges used are 100% Helium leak tested and have 1/4" VCR type connections.

Model Number	Delivery Pressure Range	Delivery Pressure Gauge	Inlet Pressure Gauge
316L Stainless Steel Regulators			
9363-4-V4FM	0-30 psig	30" vac-0-60 psig	0-3000 psig
9363-4-V4MM	0-30 psig	30" vac-0-60 psig	0-3000 psig
9367-4-V4FM	0-100 psig	30" vac-0-200 psig	0-3000 psig
9367-4-V4MM	0-100 psig	30" vac-0-200 psig	0-3000 psig
316L Stainless Steel Regulators with Hastelloy C-22 Internal Parts			
9373-4-V4FM	0-30 psig	30" vac-0-60 psig	0-3000 psig
9373-4-V4MM	0-30 psig	30" vac-0-60 psig	0-3000 psig
9377-4-V4FM	0-100 psig	30" vac-0-200 psig	0-3000 psig
9377-4-V4MM	0-100 psig	30" vac-0-200 psig	0-3000 psig

Inlet/Outlet:
F = Female M = Male