

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



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.

- 2" inlet and delivery pressure gauges
- Autogeneous butt-welded connections
- Only one non-metallic seal in the process stream
- Standard 10 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		
Gauges:	316L stainless steel		
Body:	316L stainless steel		
Bonnet:	Nickel plated brass		
Diaphragm:	316 stainless steel		
Seat:	Kel-F 81		
Linkage:	316 stainless steel		
Spring:	316 stainless steel		
Seals:	Metal to metal		

Model 9370 Series 316L stainless steel 316L stainless steel Nickel plated brass Hastelloy C-22 Kel-F 81 Hastelloy C-22 Hastelloy C-22 Metal to metal

Specifications

Maximum Inlet Pressure:	
Maximum Flow Rate:	
(At 3000 psig Inlet, N ₂)	
Flow Capacity (Cv):	
Operating Temperature:	
Porting:	
Porting Configuration:	
Shipping Weight:	

3000 psig (20,700 kPa) 9367 - 11 SCFM (320 SLPM) 9363 - 7 SCFM (200 SLPM) 0.09 -40°F to 160°F (-40°C to 71°C) 1/4" VCR compatible 2 High, 2 Low 5 lbs

0-3000 psig

0-3000 psig

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			

0-100 psig

0-100 psig

9377-4-V4MM Inlet/Outlet:

9377-4-V4FM

F = Female M = Male



30" vac-0-200 psig

30" vac-0-200 psig