

**Model 9330 Series****ULTRA-LINE® Ultra High-Purity Stainless Steel Line Regulator with Tied Diaphragm****Design Features/Components**

- Tied seat design ensures regulator closure under extreme circumstances
- 2" delivery pressure gauge
- Autogeneous butt-welded connections
- Only one non-metallic component in the process stream
- Standard 10 Ra surface finish
- Sealed and ventable bonnet
- Helium leak tested to  $1 \times 10^{-9}$  scc/sec
- Assembled, tested and packaged in a Class 100 clean area
- Body screw thread tapped for back mounting

**Materials of Construction**

Gauge:	316 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

**Specifications**

Maximum Inlet Pressure:	300 psig (2070 kPa)
Maximum Flow Rate:	14 SCFM (400 SLPM)
(At 300 psig Inlet, N <sub>2</sub> )	
Flow Coefficient (Cv):	0.36
Operating Temperature:	-40°F to 160°F (-40°C to 71°C)
Porting:	1/4" VCR compatible 3/8" VCR compatible
Porting Configuration:	1 High, 2 Low
Shipping Weight:	5 lbs

**Description**

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

**Applications**

- Point of use regulation of gases used in semiconductor manufacturing, such as etchant or dopant gases.

**Ordering Information**

All of the Model 9330 Series are shipped double bagged under purified Argon. All gauges used are 100% Helium leak tested and have 1/4" VCR connections.

Model Number	Delivery Pressure Range	Delivery Pressure Gauge
<b>316L Stainless Steel Regulators</b>		
9332-3-V4FM	0-30 psig	30" vac-0-60 psig
9332-3-V4MM	0-30 psig	30" vac-0-60 psig
9332-3-V4FF	0-30 psig	30" vac-0-60 psig
9332-3-V6FM	0-30 psig	30" vac-0-60 psig
9332-3-V6MM	0-30 psig	30" vac-0-60 psig
9332-3-V6FF	0-30 psig	30" vac-0-60 psig
9333-3-V4FM	0-100 psig	30" vac-0-200 psig
9333-3-V4MM	0-100 psig	30" vac-0-200 psig
9333-3-V4FF	0-100 psig	30" vac-0-200 psig
9333-3-V6FM	0-100 psig	30" vac-0-200 psig
9333-3-V6MM	0-100 psig	30" vac-0-200 psig
9333-3-V6FF	0-100 psig	30" vac-0-200 psig

Outlet F=Female

Inlet M=Male

4=1/4 VCR compatible

6=3/8 VCR compatible