



Model 3590 Series Low Dead Volume Stainless Steel Regulator



Description

High-purity stainless steel regulator with a minimal (7 cubic centimeters) internal volume to minimize contamination.

Applications

- Use with mixtures containing trace quantities of reactive and/or adsorptive gases or vapors
- Use with EPA protocols, NIST traceability experiments, and trace impurity analysis
- The 3590-TO is specially cleaned for use with TO-14 calibration standards

Design Features/Components

- High-purity stainless steel body
- High-purity stainless steel diaphragm
- Metal to metal seals
- Low dead volume minimizes contamination and adsorption
- 1/8" compression tube outlet connection
- 3590-TO model specially cleaned to remove all VOC compounds

Materials of Construction

Body:	316 stainless steel
Bonnet:	Nickel plated brass
Diaphragm:	316 stainless steel
Seat:	Kel-F
Seals:	Silver

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Maximum Flow Rate:	21 SCFH (10 SLPM)
(At 2000 psig, N ₂)	
Flow Capacity (Cv):	0.04
Operating Temperature:	-40°F to 200°F (-40°C to 93°C)
Porting (Regulator Body):	1/4" NPT Female
Porting Configuration:	1 High, 1 Low
Shipping Weight:	4 lbs

Ordering Information

Part Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
SEQ3590ACGA	2-100 psig	None	None
SEQ3590TOCGA	2-100 psig	None	None

*Note: For ordering, replace letters "CGA" with the valve outlet CGA number for the gas cylinder you are using. Some CGA limitations may apply.

Options

Part Number	Description
SEQMSP0012XX	Inboard Helium Leak Rate Certification
SEQMSP0013XX	Combination Inboard/Outboard Helium Leak Rate Certification