316

Model 3610A Series
Single-Stage High-Purity Stainless Steel Regulator with Tied Diaphragm

Description
High-purity regulators designed for analytical applications using corrosive, toxic, or pyrophoric gases.

Applications
• Supply of corrosive, toxic, or pyrophoric gases where a positive closure of the regulator is desired.
• Supply of corrosive/toxic gases to semiconductor manufacturing processes.

Design Features/Components
• High-purity 316 stainless steel barstock body
• High-purity 316 stainless steel diaphragm
• Metal to metal seals minimize diffusion of contaminants
• 2" inlet and delivery pressure gauges
• Bonnet ported and threaded to pipe gases away from the work area

• Tied seat design helps to ensure regulator closure
• Equipped with outlet diaphragm valve
• 1/4" compression tube outlet connection
• Porous metal filter protects seat from contamination
• Panel mountable from rear with two threaded holes

Materials of Construction
Gauges:	316 stainlesss steel
Body:	316 stainless steel
Bonnet:	Nickel plated brass
Diaphragm:	316 stainless steel
Seat:	Kel-F 81
Seals:	Metal to metal

Specifications
Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Maximum Flow Rate:	Model 3610A: 550 SCFH (320 SLPM) (At 2500 psig, N_2)
	Model 3611A: 135 SCFH (100 SLPM) (At 300 psig, N_2)
	Model 3612A: 195 SCFH (250 SLPM) (At 2500 psig, N_2)
	Model 3613A: 400 SCFH (250 SLPM) (At 2500 psig, N_2)
	Model 3615A: 550 SCFH (320 SLPM) (At 2500 psig, N_2)
Flow Capacity (Cv):	0.09
Operating Temperature:	-40°F to 160°F (-40°C to 71°C)
Porting (Regulator Body):	1/4" NPT Female
Porting Configuration:	2 High, 2 Low
Shipping Weight:	5 lbs

Ordering Information

Part Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
SEQ3610ACGA	4-100 psig	30" vac-0-200 psig	0-3000 psig
SEQ3611ANI	2-30 psig	30" vac-0-60 psig	30" vac-0-300 psig
SEQ3612ACGA	2-30 psig	30" vac-0-60 psig	0-1000 psig
SEQ3613ACGA	2-30 psig	30" vac-0-60 psig	0-3000 psig
SEQ3615ACGA	4-100 psig	30" vac-0-200 psig	0-1000 psig

*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
SEQ4754CGA	Tee Purge Assembly
SEQ4774CGA	Cross Purge Assembly
SEQADP0019BO	Bonnet Vent Adapter 1/8" NPT to 1/4" Compression
SEQOPN0301SA	Swagelok 1/4" Tube Fitting (Stainless Steel)
SEQMSP0012XX	Inboard Helium Leak Rate Certification
SEQMSP0013XX	Combination Inboard/Outboard Helium Leak Rate Certification