



316A

Model 3630A Series

Single-Stage High-Flow Corrosion Resistant Regulator – Stainless Steel, Hastelloy



Description

High purity, single stage regulator with tied diaphragm and Hastelloy trim for use with low vapor pressure corrosive gases.

Applications

- Supply of corrosive gases where extra corrosion resistance and positive shutoff is desired
- Supply of corrosive gases to manufacturing and research facilities

Design Features/Components

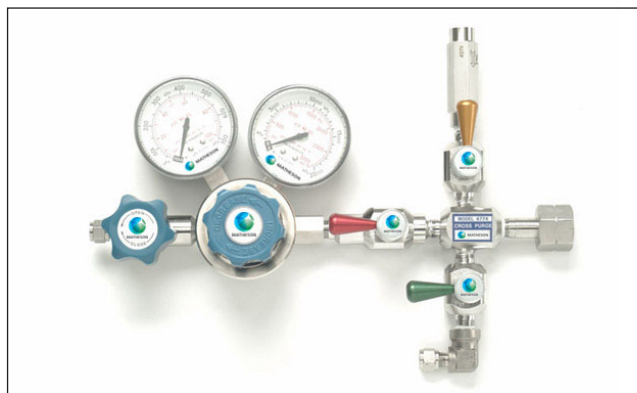
- 316 stainless steel regulator body provides good corrosion resistance
- Hastelloy internal valve trim provides an extra measure of resistance in the most vulnerable area of the regulator
- Tied Diaphragm for positive shutoff
- Metal to metal diaphragm to body seal
- 2" Stainless Steel gauges
- Stainless Steel cylinder connection
- Stainless Steel outlet diaphragm valve
- Stainless Steel 1/4" compression fitting on outlet
- Bonnet vent port, threaded
- Cv = 0.45

Materials of Construction

Body:	316 stainless steel
Diaphragm:	Hastelloy
Valve:	Hastelloy
Gauges:	Stainless steel
Seat:	PCTFE

Specifications

Maximum Inlet Pressure: (3630A)	300 psig (2,070 kPa)
Maximum Inlet Pressure: (3631A/3633A/3636A)	3000 psig (20,700 kPa)
Flow Capacity (Cv):	0.45
Operating Temperatures:	-40°F to +160°F (-40°C to +71°C)
Body Porting:	1/4" NPT Female - gauges
Body Porting:	1/2" NPT Female - inlet/outlet



Cross Purge Option

- Eliminates the escape of hazardous gases when changing cylinders
- Reduces danger of contamination from atmospheric moisture and oxygen
- Minimizes the amount of gas lost during cylinder changes
- Monel and Aluminum-Silicon-Bronze construction

Ordering Information

Part Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
SEQ3630ACGA	100mm Hg (abs) - 30 psig	30" vac-0-60 psig	0-400 psig
SEQ3631ACGA	1-15 psig	30" vac-0-30 psig	0-4000 psig
SEQ3633ACGA	2-60 psig	30" vac-0-100 psig	0-4000 psig
SEQ3636ACGA	4-150 psig	30" vac-0-200 psig	0-4000 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.