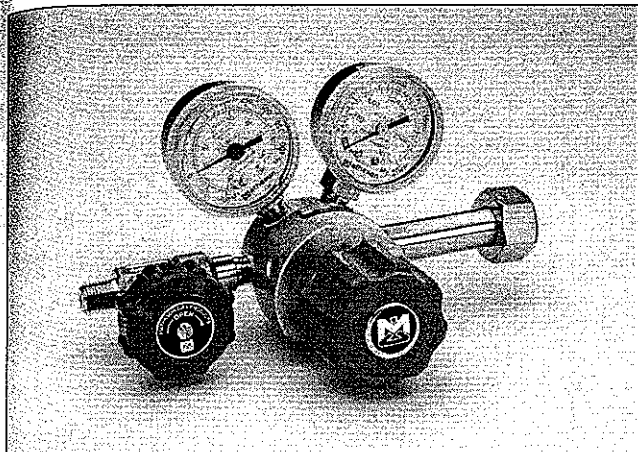




Model 3140 Series Single-Stage High-Purity Aluminum Regulator



Design Features/Components

- High purity anodized aluminum barstock body
- High purity 316 stainless steel diaphragm
- Metal to metal seals minimize diffusion of contaminants
- 2" inlet and delivery pressure gauges
- Equipped with outlet diaphragm valve
- 1/4" NPTM outlet
- Porous metal filter protects seat from contamination
- Panel mountable

Materials of Construction

Gauges:	316 stainless steel
Body:	Anodized aluminum
Bonnet:	Painted steel
Bonnet Ring:	Nickel plated brass
Diaphragm:	316 stainless steel
Seat:	PFA Teflon
Seals:	Metal to metal

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Maximum Flow Rate:	Model 3141: 300 SCFH (140 SLPM) Model 3142: 750 SCFH (350 SLPM) Model 3143: 750 SCFH (350 SLPM)
(At 2500 psig, N ₂)	
Flow Capacity (Cv):	0.06
Operating Temperature:	-40°F to 165°F (-40°C to 74°C)
Body Ports:	1/4" NPT Female
Porting Configuration:	2 High, 2 Low
Shipping Weight:	5 lbs

Warning: Not For Use In Oxygen Service

Description

High-purity regulators designed for analytical applications using semi-corrosive gases.

Applications

- Analytical applications with ammonia, sulfur containing compounds, amines, vinyl compounds, or nitric oxide.

Ordering Information

Model Number*	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
3141-CGA	2-30 psig	30" vac-0-60 psig	0-3000 psig
3142-CGA	4-100 psig	30" vac-0-200 psig	0-3000 psig
3143-660	4-100 psig	30" vac-0-200 psig	0-1000 psig

*Note: Some CGA limitations may apply.

Options

Model Number	Description
4754-CGA	Tee Purge Assembly
4774-CGA	Cross Purge Assembly
401E	Check Valve for Outlet of Regulator