



Models 3320 Series Single-Stage Economy Non-Corrosive Lecture Bottle Regulator



Description

An economical and compact regulator for use with non-corrosive gases in lecture bottles.

Applications

- Non-corrosive gases in lecture bottles

Design Features/Components

- Forged brass body
- Neoprene diaphragm
- 1-1/2" inlet and delivery pressure gauges
- Equipped with angle pattern needle valve
- 1/8" NPTM outlet connection
- Porous metal filter protects seat from contamination
- Hose barb supplied for outlet
- CGA 170 connection is standard

Materials of Construction

Gauges:	Chrome plated brass
Body:	Brass
Bonnet:	Chrome plated die cast zinc
Diaphragm:	Neoprene
Seat:	Kel-F
Seals:	Neoprene

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Maximum Flow Rate:	Model 3320: 175 SCFH (83 SLPM)
(At 2000 psig, N ₂)	Model 3321: 175 SCFH (83 SLPM)
	Model 3322: 50 SCFH (24 SLPM)
Flow Capacity (Cv):	0.08 (without needle valve)
Operating Temperature:	-20°F to 140°F (-29°C to 60°C)
Porting (Regulator Body):	1/8" NPT Female
Porting Configuration:	2 High, 2 Low
Shipping Weight:	7 lbs

Ordering Information

Model Number	Delivery Pressure Range	Delivery Pressure Gauge	Cylinder Pressure Gauge
3320 (CGA 170)*	4-60 psig	0-100 psig	0-3000 psig
3321 (CGA 170)	4-60 psig	0-100 psig	None
3322 (CGA 170)	2-15 psig	0-30 psig	0-3000 psig

Other CGA Connections Available for 3320 Series: 320, 350, 510, 540, 580, 590

Options

Model Number	Description
WAS-0038-NA	Gaskets for CGA 170

Model 3330 Series Economy Corrosive Service Lecture Bottle Regulator

Description

Compact and economical regulator for use with most corrosive gases sold in lecture bottles.

Applications

- Use with low pressure (1-6 psig) applications with corrosive gases in lecture bottles; if higher pressures are required, use the 3570 Series Mini Regulator

Design Features/Components

- PVC body
- Teflon diaphragm
- 1-1/2" delivery pressure gauge
- Porous metal filter protects seat from contamination
- Equipped with outlet needle valve
- 1/4" NPTM outlet connection

Materials of Construction

Gauge:	316 stainless steel
Body:	Polyvinyl chloride
Bonnet:	Polyvinyl chloride
Diaphragm:	Teflon
Seat:	Kel-F
Seals:	Teflon
Trim:	316 stainless steel

Specifications

Maximum Inlet Pressure:	3000 psig (20,700 kPa)
Maximum Flow Rate:	Model 3331: 500 SCCM
(At 2000 psig, N ₂):	Model 3332: 90 SCFH (40 SLPM)
Flow Capacity (Cv):	0.011
Operating Temperature:	30°F to 120°F (-1°C to 49°C)
Porting (Regulator Body):	Inlet - 1/8" NPT Female
	Gauge/Outlet - 1/4" NPT Female
Porting Configuration:	1 High, 2 Low
Shipping Weight:	2 lbs



Ordering Information

Model Number	Delivery Pressure Range	Delivery Pressure Gauge
3331 (CGA 180)	0-18" water column	None
3332 (CGA 180)	1-6 psig	0-15 psig

Options

Model Number	Description
4754-180	Tee Purge Assembly
401V	Outlet Check Valve - Stainless/Viton
WAS-0039-PB	Gaskets for CGA 180
504	Wall Mount Bracket for Lecture Bottles
505	Non-Tip Stand for Lecture Bottles