



300 Series Regulators

325 Series Regulator

Single Stage

Chrome-Plated Brass Barstock Body

316L Stainless Steel Diaphragm

Lecture Bottle
Regulator

The 325 Series regulators are specifically designed for use with non-corrosive gases in lecture bottles. The incorporation of our smallest Capsule® allows excellent pressure regulation over the useful pressure range of a lecture bottle.

Advanced Features

- Chrome-plated brass barstock body
Smooth surface finish
- Low droop
Stable outlet pressure
- 1½" pressure gauges
Small envelope

Typical Applications

- University classrooms
- University laboratories
- Chemical research
- Pharmaceutical manufacturing



325-3351 shown

300 Series Advantage

- Capsule® seat
Increased serviceability and life
- 316L stainless steel diaphragm
No inboard diffusion
- Low wetted surface area
Minimal purge requirements
- Field-adjustable pressure limit
Safeguard downstream equipment
- Convuluted diaphragm
Smooth pressure changes
- Compact design
Easily transported and integrated into systems

Materials

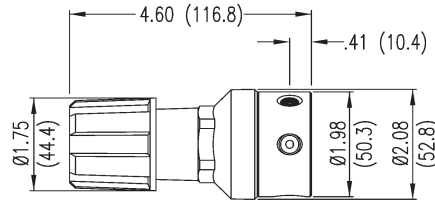
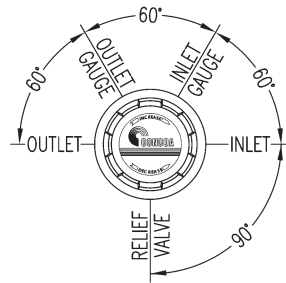
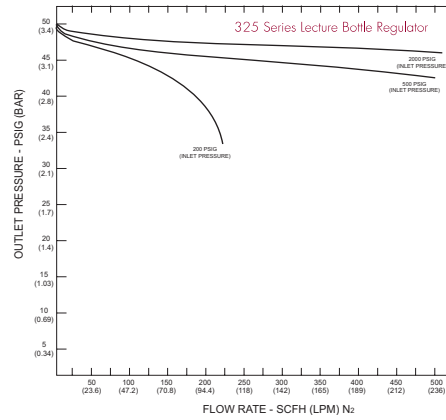
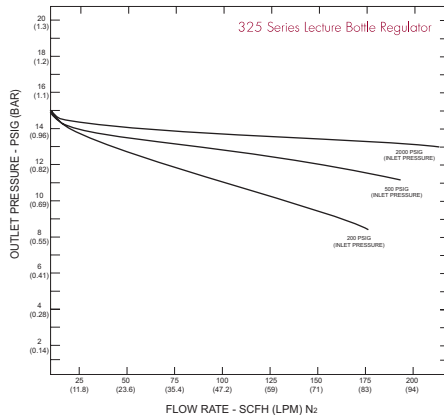
- Body*
Chrome-plated brass barstock
- Bonnet*
Chrome-plated die cast zinc
- Seat*
PTFE
- Filter*
10 micron sintered bronze
- Diaphragm*
316L stainless steel
- Internal Seals*
PTFE

Specifications

- Maximum Inlet Pressure
3000 PSIG (210 BAR)
- Temperature Range
-40°F to 140°F (-40°C to 60°C)
- Gauges
1½" diameter chrome-plated brass
- Ports
½" FPT (¼" FPT relief valve)
- Helium Leak Integrity
1 x 10⁻⁸ scc/sec
- Cv
0.02
- Weight (325-3351-180)
2.0 lbs. (0.89 kg)

300 Series Regulators

Technical Information



300 Series

Ordering Information

| 325 | A | B | C | D | -Inlet | Options | |
|------------|-----------------|--------------|----------------|--------------------------|---------------------------------------|-------------------|-------------------|
| Series 325 | Outlet Pressure | Outlet Gauge | Inlet Gauge | Outlet Assemblies | Assembly Gauges | Inlet Connections | Installed Options |
| | 1: 0-15 | 0-30 PSIG | 0: None | 0: 1/4" FPT Port | 0: Bare Body | -000: 1/8" FPT | None |
| | 3: 0-50 | 0-100 PSIG | 3: 0-4000 PSIG | 1: 1/4" MPT | 1: Standard Assembly (PSI/KPA Gauges) | -110: CGA 110 | |
| | | | | 5: Needle Valve 1/8" MPT | | -170: CGA 170 | |
| | | | | | | -180: CGA 180 | |