325 Series Regulators

The 325 Series single stage 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.

Typical Applications

- University Classrooms
- University Laboratories
- Chemical Research
- Pharmaceutical Manufacturing



3253351-01-180 shown

Features

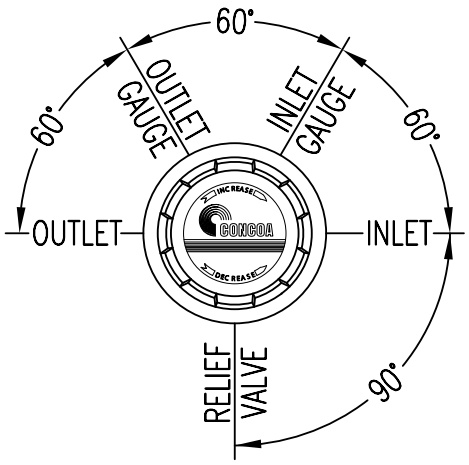
CAPSULE® Seat increases serviceability and life
316L Stainless Steel Diaphragm prevents inboard diffusion
Low Wetted Surface Area minimizes purge requirements
Field-Adjustable Pressure Limit safeguards downstream equipment
Convoluted Diaphragm provides smooth pressure changes
Compact Design permits easy transport and system integration
Minimal Droop yields stable outlet pressure as gas depletes

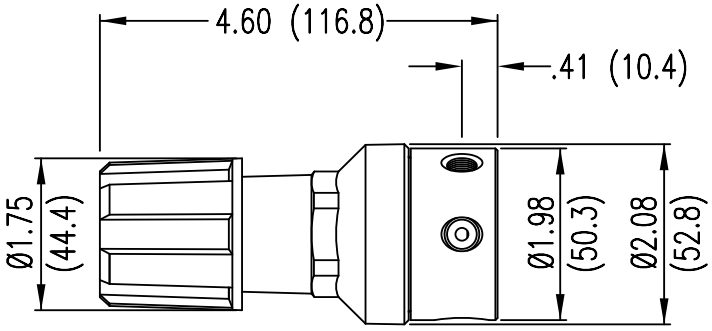
Materials and Specifications

Maximum Inlet Pressure (bare body): 3000 PSIG (210 BAR)
Body: Chrome-plated brass barstock
Bonnet: Chrome-plated, die-cast zinc
Gauges: 1 1/2 in (38 mm) diameter plated case
Seat: PTFE
Filter: 10-micron sintered bronze
Temperature Range: -40°F to 140°F (-40°C to 60°C)
Diaphragm: 316L stainless steel
Cv: 0.02 *See flow curves attached*
Helium Leak Integrity: 1 x 10^{-8} scc/sec
Internal Seals: PTFE
Ports (bare body): 1/8 in FPT (inlet, outlet, and gauges) and 1/4 in FNPT (relief valve)
Weight (325 3351-170): 2.0 lbs. (0.9 kg)
Conformances: Cleanliness meets or exceeds CGA G-4.1; PED 2014/68/EU; ANSI/ASME B40.1; CRN OH5216

325 Series Regulators

Installation Dimensions





Ordering Information

325	A	B	C	D	-CON	Options
Series 325	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly Gauges	Inlet Connections	Installed Options
	1: 0-15 PSIG (0-1 BAR)	0-30 PSIG / 0-2 BAR	**0:** None	**0:** 1/8 in FPT port	**0:** Bare body	**-000:** 1/8 in FPT	None
	3: 0-50 PSIG (0-3.5 BAR)	0-100 PSIG / 0-7 BAR	**3:** 0-4000 PSIG / 0-275 BAR	**1:** 1/4 in MPT	**1:** Standard assembly (PSI/kPa gauges)	**-110:** CGA 110	
				5: Needle valve 1/8 in MPT		**-170:** CGA 170	
						-180: CGA 180	

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Flow Curves for 325 Series

