



408 SINGLE STAGE ANODIZED ALUMINUM REGULATOR

The 408 Series regulators are intended for primary pressure control of mildly corrosive high purity gases such as ammonia, hydrogen sulfide, and sulfur dioxide or for applications requiring the light weight of an aluminum body regulator.

Highlighted Features

- Single Stage
- Anodized Aluminum Barstock Body
- 316L Stainless Steel Diaphragm

Typical Applications

- ❖ Semi-corrosive gases and mixes
- ❖ Gas and liquid chromatography
- ❖ High purity carrier gases
- ❖ Zero, span, and calibration gases
- ❖ High purity chamber pressurization
- ❖ Mildly corrosive gases



408 REGULATOR
WITH DIAPHRAGM VALVE
SHOWN HERE

Features	Materials	Specifications
<p>Metal-to-Metal Diaphragm Seal No possibility of gas contamination</p> <p>CAPSULE® Seat Increased serviceability and life</p> <p>Anodized Aluminum Body Cost-effective corrosion resistance</p> <p>Front and Rear Panel-Mountable Versatile system configuration</p> <p>Pressure Ranges 0-15 to 0-500 PSIG (0-1 to 0-34 BAR) Broad range of applications</p> <p>Pipe Away Relief Valve Safety vents exhaust gases</p>	<p>Body Anodized aluminum barstock</p> <p>Bonnet Anodized aluminum barstock</p> <p>Seat PTFE</p> <p>Filter Patented 10 micron 316 mesh</p> <p>Diaphragm 316L stainless steel</p> <p>Internal Seals PTFE</p>	<p>Maximum Inlet Pressure 3000 PSIG (210 BAR)</p> <p>Temperature R -40°F to 140°F (-40°C to 60°C)</p> <p>Gauge 2" (53mm) diameter chrome-plated</p> <p>Ports 1/4" FPT</p> <p>Helium Leak Integrity 1 x 10⁻⁹ scc/sec</p> <p>Cv 0.1 <i>Flow curves on pages to follow*</i></p> <p>Weight (408 2331-000) 2.7 lbs. (1.24 kg)</p>

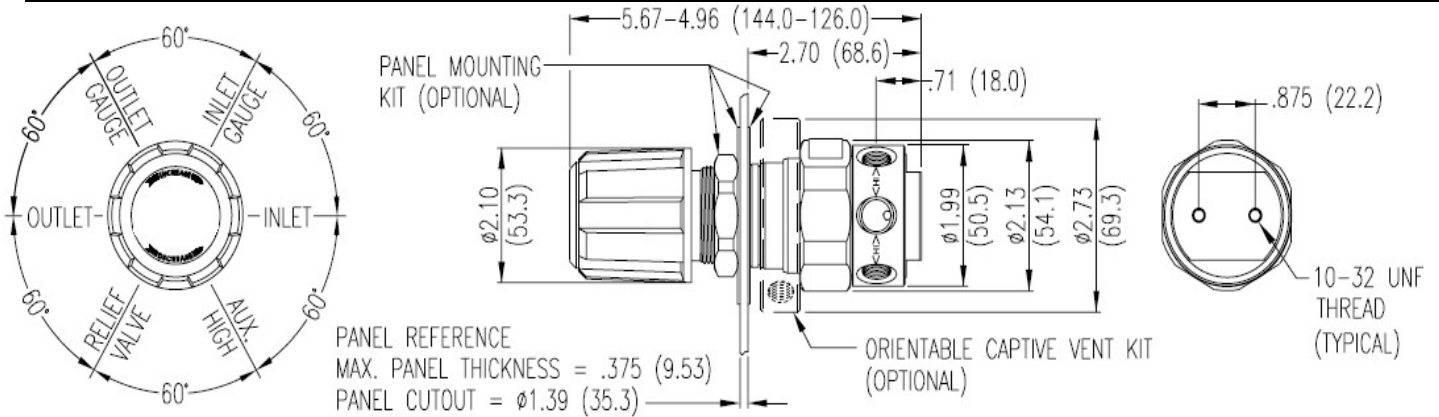
Order Information

Model	A	B	C	D	-CON		
Series	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Gauges	Inlet Connections	Installed Options
408	1: 0-15 PSIG (0-1 BAR)*	30"-0-30 PSIG/ -1-0-2 BAR	0: None	0: 1/4" FPT port	0: Bare body	000: 1/4" FPT	D: Deep purge*
	2: 0-50 PSIG (0-3.5 BAR)	30"-0-100 PSIG/ -1-0-7 BAR	3: 0-4000 PSIG/ 0-310 BAR	1: 1/4" MPT	1: Cleanroom assembly (PSIG/kPa gauges)	TF2: 1/8" tube	M: Protocol station Q: Protocol purge station
	3: 0-100 PSIG (0-7 BAR)	30"-0-200 PSIG/ -1-0-14 BAR	5: 0-1000 PSIG/ 0-70 BAR	2: 1/4" tube fitting	2: Cleanroom assembly (BAR/PSIG gauges)	TF4: 1/4" tube	
	4: 0-250 PSIG (0-17 BAR)	0-400 PSIG/ 0-27 BAR	6: 0-300 PSIG/ 0-21 BAR	3: Diaphragm valve 1/4" tube fitting		TF6: 3/8" tube	
	5: 0-500 PSIG (0-34 BAR)**	0-1000 PSIG/ 0-70 BAR	7: 0-400 PSIG/ 0-27 BAR	4: Diaphragm valve 1/4" MPT		M06: 6mm	
	7: 0-150 PSIG (0-10 BAR)	30"-0-200 PSIG/ -1-0-14 BAR		5: Needle valve 1/4" MPT		CGA DIN 477 BS 341 and others available	
				6: 1/8" tube fitting			
	<i>**Standard assembly does not include relief valve</i>			7: 3/8" tube fitting			
				8: Diaphragm valve 1/8" tube fitting			
				9: Diaphragm valve 1/4" FPT			
				M: 6mm tube fitting			
				S: Diaphragm valve 6mm tube fitting			

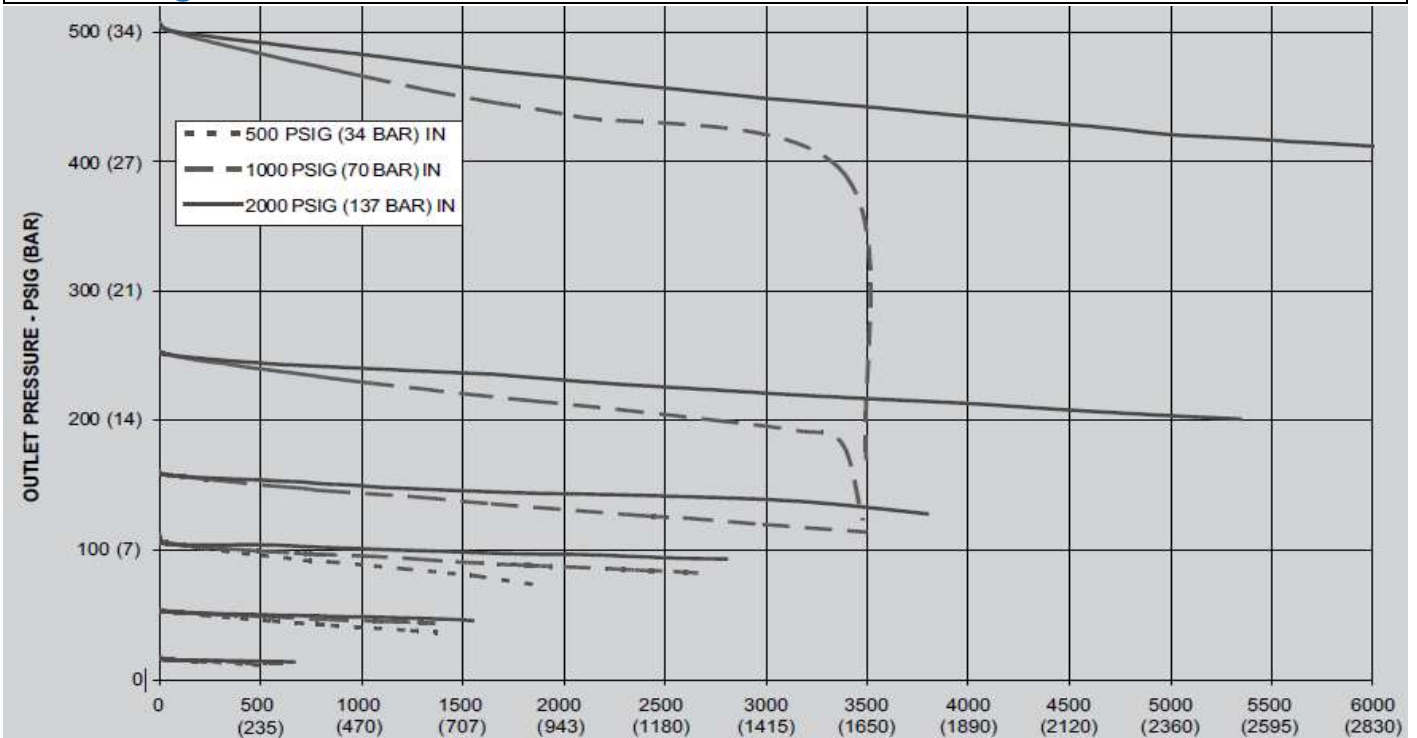
Related Options

Part Number	Description
CON 550-0002	Panel mount kit
CON 550-0001	Captured vent kit
CON 476-0002	Helium leak certification

Installation Dimensions



408 Regulator Flow Curves



Can't find what you need? We will be happy to assist you to find the right regulator to fit your needs.