



307 SINGLE STAGE CHROME PLATED BRASS LINE REGULATOR

The 307 Series regulators are intended for secondary pressure control for non-corrosive, high purity or liquified gases or as point of use pressure control in high purity gas distribution systems.

Highlighted Features

- Single Stage
- Chrome-Plated Brass Barstock Body
- Four Port Configuration
- Rear Inlet

Typical Applications

- ❖ Bulk gas distribution systems
- ❖ Gas and liquid chromatography
- ❖ High purity carrier gases
- ❖ Zero, span, and calibration gases
- ❖ High purity chamber pressurization
- ❖ Liquefied hydrocarbon gas control
- ❖ Control of cryogenic gas



Features	Materials	Specifications
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 Chrome-Plated Brass Barstock Body Smooth surface finish Rear Panel-Mountable Easy installation Pressure Ranges 0-15 to 0-200 PSIG (0-1 to 0-14 BAR) Broad range of applications 3000 PSIG (210 BAR) Inlet Pressure Rating Safe use with high pressure cylinders	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	Maximum Inlet Pressure 3000 PSIG (210 BAR) Temperature Range -40°F to 140°F (-40°C to 60°C) Gauges 2" (53mm) diameter chrome-plated brass Ports 1/4" FPT Helium Leak Integrity 1 x 10 ⁻⁸ scc/sec Cv 0.1 See Flow curves on pages to follow Weight (307 2031-580) 2.9 lbs. (1.29 kg)

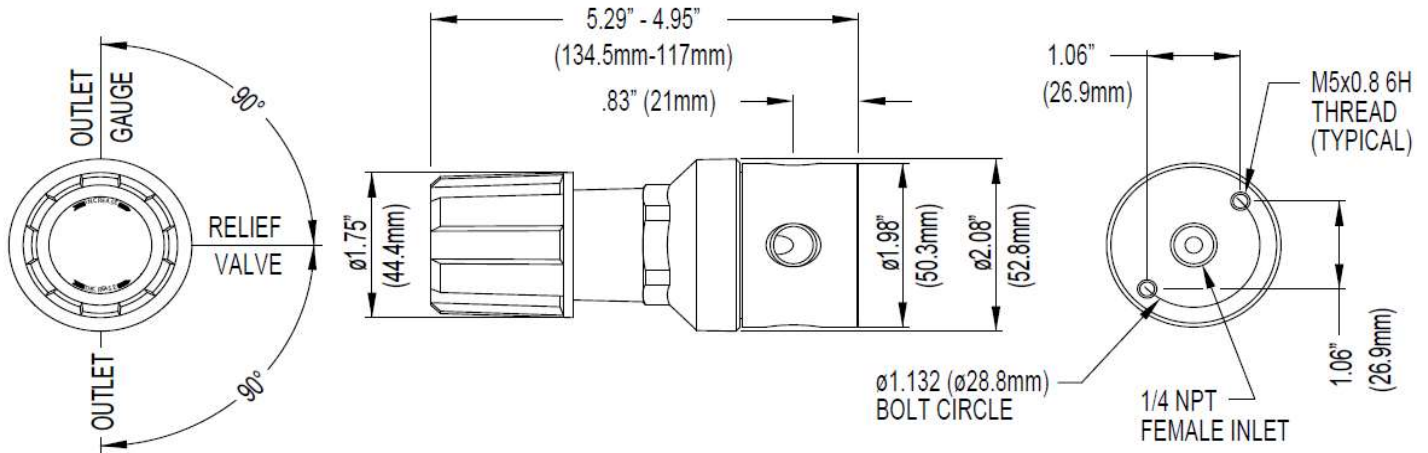
Order Information

Model	A		B	C	D	-CON	
Series	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Gauges	Inlet Connections	Installed Options
307	1: 0-15 PSIG (0-1 BAR)	0-30 PSIG/ 0-2 BAR	0: None	0: 1/4" FPT port	0: Bare body	M00: 1/4" FPT	None
	2: 0-30 PSIG (0-2 BAR)	0-60 PSIG/ 0-4 BAR		1: 1/4" MPT	1: Standard assembly (PSIG/kPa gauges)	TF2: 1/8" tube	
	3: 0-50 PSIG (0-3.5 BAR)	0-100 PSIG/ 0-7 BAR		2: 1/4" tube fitting	2: Standard assembly (BAR/PSIG gauges)	TF4: 1/4" tube	
	4: 0-150 PSIG (0-10 BAR)	0-200 PSIG/ 0-14 BAR		3: Diaphragm valve 1/4" tube fitting		TF6: 3/8" tube	
	5: 0-100 PSIG (0-7 BAR)	0-200 PSIG/ 0-14 BAR		4: Diaphragm valve 1/4" MPT		M06: 6mm tube	
	6: 0-200 PSIG (0-14 BAR)	0-400 PSIG/ 0-27 BAR		5: Needle valve 1/4" MPT		CGA DIN 477 BS 341 and others available	
	8: 2-15 LPM Carbon Dioxide	2-15 LPM Flow gauge		6: 1/8" tube fitting			
	9: Custom calibration	Custom Flow gauge		7: 3/8" tube fitting			
				8: DISS outlet			
				9: Diaphragm valve 1/4" FPT			
			A: 3/8" BSP RH fitting				
			B: Diaphragm valve 1/8" tube fitting				
			M: 6mm tube fitting				
			S: Diaphragm valve 6mm tube fitting				

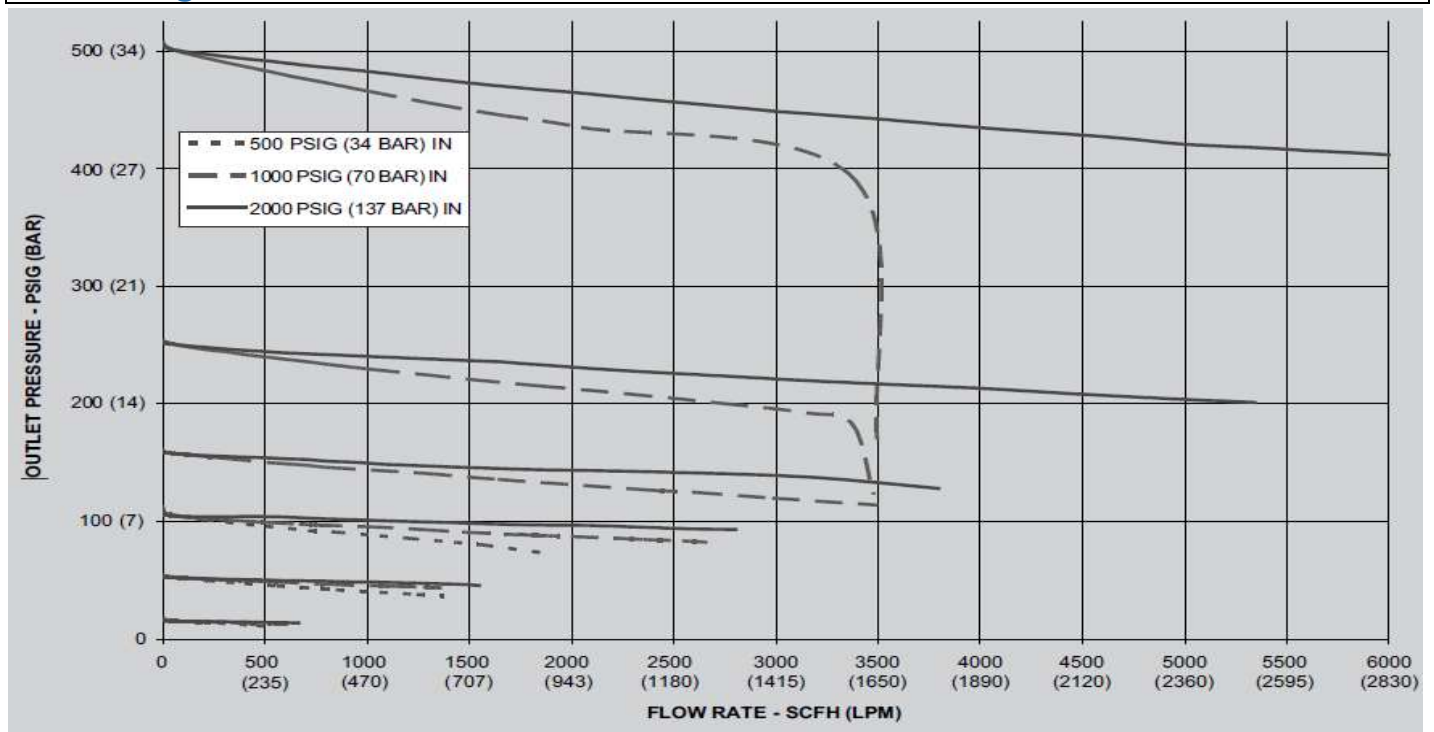
Related Options

Part Number	Description
CON 835-0204	Rear panel mount kit
CON 476-0002	Helium leak certificate

Installation Dimensions



307 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.