



327 SINGLE STAGE STAINLESS STEEL POINT-OF USE REGULATOR

The 327 Series regulators are intended for secondary pressure control of non-corrosive, high purity or liquefied gases or as a point-of-use pressure control in high purity gas distribution systems.

Highlighted Features

- Single Stage
- 316L Stainless Steel 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
- ❖ Liquefied hydrocarbon gas control
- ❖ Control of cryogenic gases



Features	Materials	Specifications
<p>CAPSULE® Seat Increased serviceability and life</p> <p>316L Stainless Steel Diaphragm No inboard diffusion</p> <p>Low Wetted Surface Area Minimal purge requirements</p> <p>Field-Adjustable Pressure Limit Safeguard downstream equipment</p> <p>Convolute Diaphragm Smooth pressure changes</p> <p>Compact Design Easily transported and integrated into systems</p> <p>Stainless Steel Barstock Body Increased corrosion resistance</p> <p>Rear Panel-Mountable Easy installation</p> <p>Pressure Ranges 0-15 to 0-200 PSIG (0-1 to 0-14 BAR) Broad range of applications</p> <p>3000 PSIG (210 BAR) Inlet Pressure Rating Safe use with high pressure cylinders</p>	<p>Body 316L stainless steel barstock</p> <p>Bonnet Chrome-plated die-cast zinc</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 Range -40°F to 140°F (-40°C to 60°C)</p> <p>Gauges 2" (53mm) diameter Chrome-plated brass case Stainless steel internals</p> <p>Ports 1/4" FPT</p> <p>Helium Leak Integrity 1 x 10⁻⁸ scc/sec</p> <p>Cv 0.1 <i>Flow curves on pages to follow</i></p> <p>Weight (327 1031-M1L) 2.9 lbs. (1.29 kg)</p>

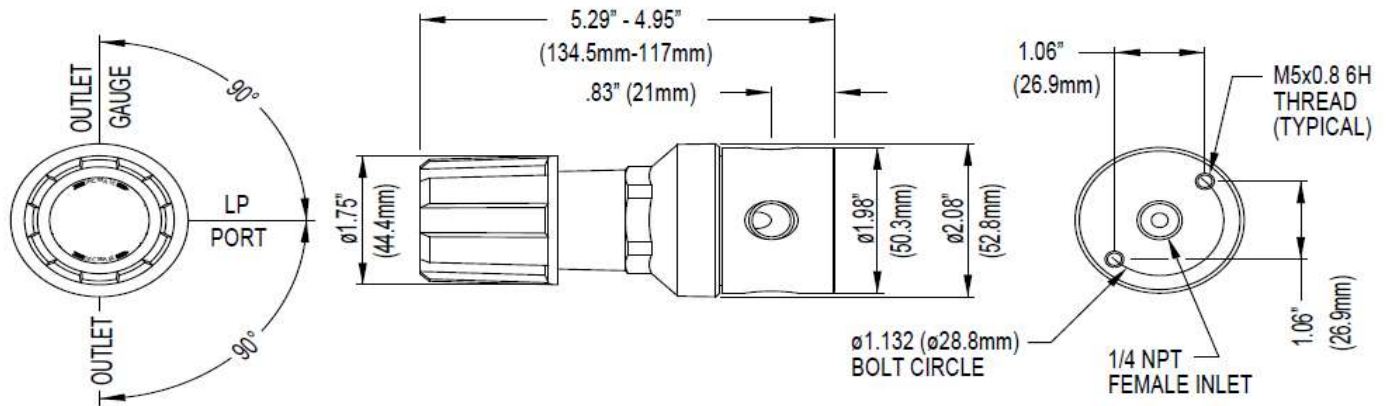
Order Information

Model	A	B	C	D	-CON	
Series	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Gauges	Inlet Connections
327	1: 0-15 PSIG (0-1 BAR)	0-30 PSIG/ 0-2 BAR	0: None	0: 1/4" FPT port	0: Bare body	000: 1/4" FPT
	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
				6: 1/8" tube fitting		
				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			

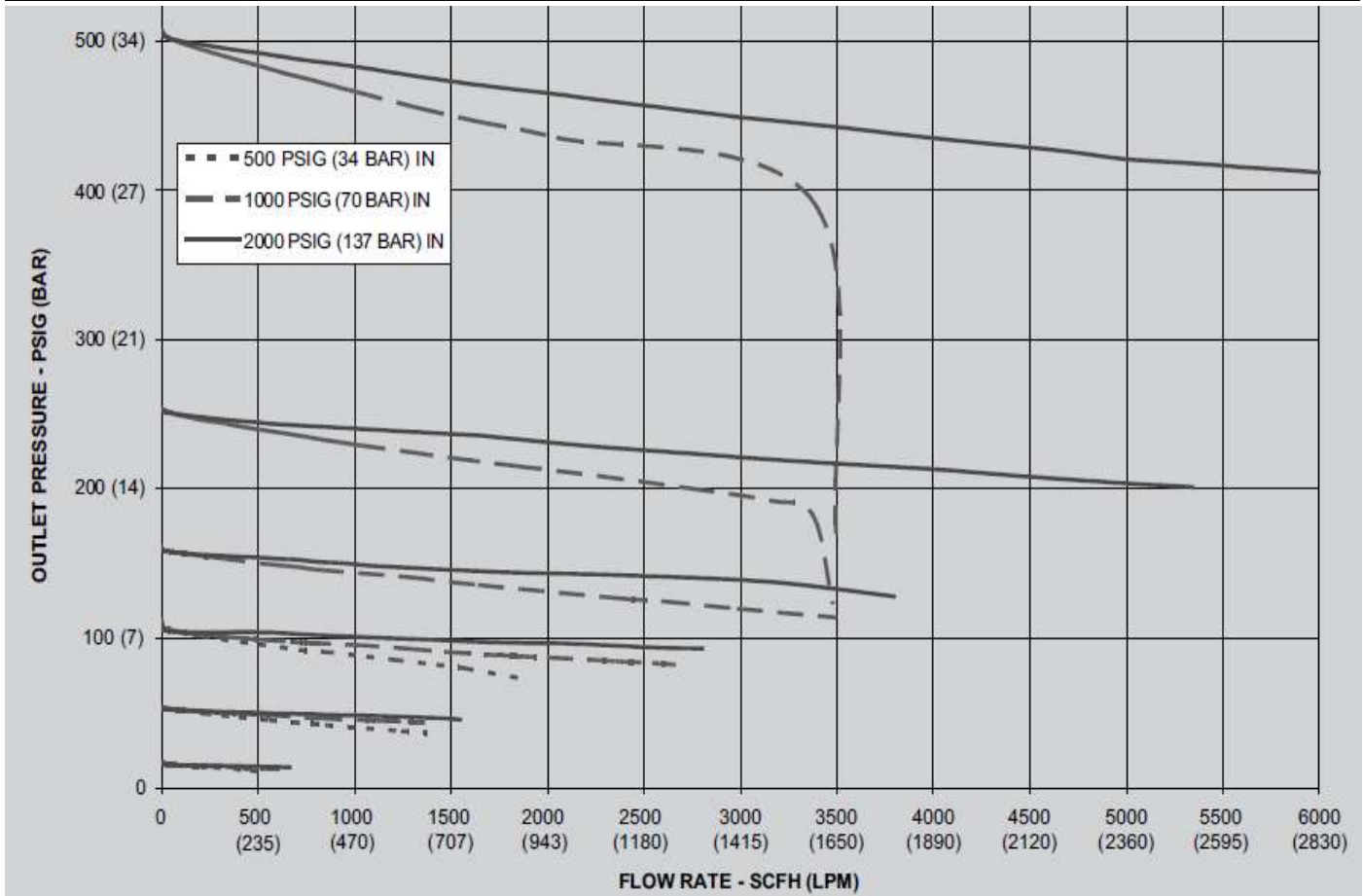
Related Options

Part Number	Description
CON 8350204	Rear panel mount kit
CON 4760002	Helium leak certification

Installation Dimensions



327 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.