



400 Series Regulators

483 SERIES

The 483 Series regulator applications are wide and varied including high flow purging, non-corrosive process gas control, manifold and line regulation.

- Single Stage
- Ultra-High Flow
- Brass Barstock Body
- Four Port Configuration
- 316L Stainless Steel Diaphragm

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 gases



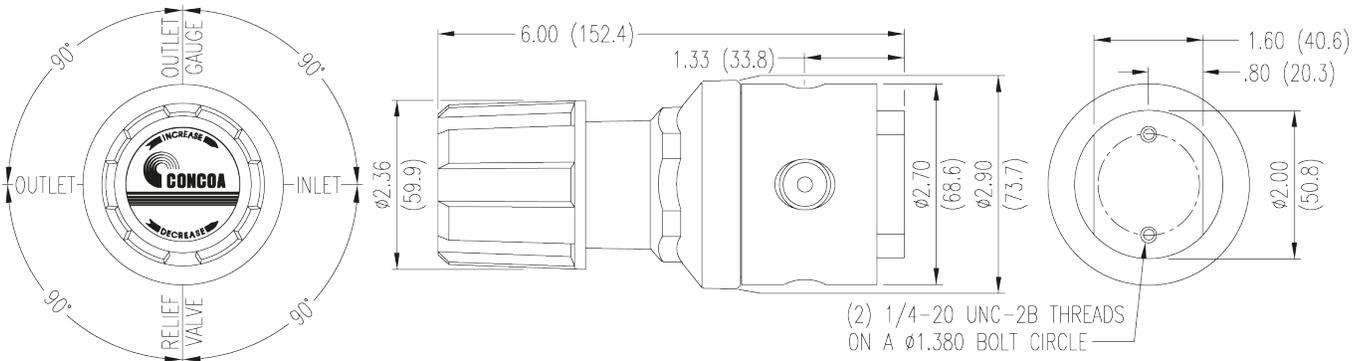
483 3001-000 shown

Features	Materials	Specifications
<p>Metal-to-Metal Diaphragm Seal No possibility of gas contamination</p> <p>ISOFLOW Technology Internal equalization provides constant delivery pressure at high flows</p> <p>Brass Barstock Body Smooth surface finish</p> <p>Rear Panel-Mountable Versatile system configuration</p> <p>Pressure Ranges 0-15 to 0-250 PSIG (0-1 to 0-17 BAR) Broad range of applications</p> <p>3000 PSIG (210 BAR) Inlet Pressure Rating Safe use with high pressure cylinders</p> <p>Pipe Away Relief Valve Safely vents exhaust gases</p>	<p>Body Brass barstock</p> <p>Bonnet Chrome-plated die-cast zinc</p> <p>Seat PCTFE</p> <p>Filter 40 micron 316L stainless steel 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>Gauge 2" (53mm) diameter brass</p> <p>Ports 1/2" FPT (inlet/outlet) 1/4" FPT (gauge/relief valve)</p> <p>Helium Leak Integrity 1 x 10⁻⁸ scc/sec</p> <p>Cv 1.0 <i>See page 204 for flow curves</i></p> <p>Weight (483 3001-000) 4.79 lbs. (2.17 kg)</p>

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Installation Dimensions



REGULATORS

Ordering Information

483	A	B	C	D	-CON	Installed Options	
Series 483	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly/Gauges	Inlet Connections	None
	1: 0-15 PSIG (0-1 BAR)	30"-0-30 PSIG/ -1-0-2 BAR	0: None	0: 1/2" FPT port	0: Bare body	000: 1/2" FPT	
	2: 0-40 PSIG (0-3 BAR)	30"-0-60 PSIG/ -1-0-4 BAR		1: 1/2" tube fitting	1: Standard assembly (PSIG/kPa gauges)	TF8: 1/2" tube	
	3: 0-120 PSIG (0-8 BAR)	30"-0-200 PSIG/ -1-0-14 BAR		5: Needle valve 1/4" MPT	2: Standard assembly (BAR/PSIG gauges)	M12: 12mm tube	
	4: 0-200 PSIG (0-14 BAR)	0-400 PSIG/ 0-27 BAR		P: 12mm tube fitting	6: Mirror image assembly (PSIG/kPa gauges)		
	5: 0-250 PSIG (0-17 BAR)	0-400 PSIG/ 0-27 BAR			7: Mirror image assembly (BAR/PSIG gauges)		

Related Options

Options	Order No.	Description
Panel mount kit	835 0204	To mount the regulator from the rear



Regulator Flow Curves

Flow Curves for 483, 484, 485, 486 Series

