



202 SINGLE STAGE CHROME-PLATED BRASS HIGH PURITY REGULATOR

The 202 Series regulators are intended for primary pressure control of non-corrosive, high purity or liquefied gases (up to grade 4.5) in applications where minor fluctuations in outlet pressure due to diminishing inlet supply pressure can be tolerated.

Highlighted Features

- Single Stage
- Chrome-Plated Forged Brass Body
- 316L Stainless Steel Diaphragm
- Five Port Configuration

Typical Applications

- ❖ Gas supply purging
- ❖ Gas system charging
- ❖ Fuel gas supply control
- ❖ Atomic absorption acetylene



202 REGULATOR WITH
DIAPHRAGM VALVE
SHOWN HERE

Features	Materials	Specifications
<p>CAPSULE® Seat Increased serviceability and life</p> <p>316L Stainless Steel Diaphragm No inboard diffusion</p> <p>Forged Body Durable, long-lasting construction</p> <p>Field-Adjustable Pressure Limit Safeguard downstream equipment</p> <p>Large Convoluted Diaphragm Smooth pressure changes</p> <p>Standard Relief Valve Diaphragm and gauge protection</p> <p>Chrome-Plated Forged Brass Body Economical high purity design</p> <p>High Flow Capacity Supply multiple user locations</p> <p>Pressure Ranges 0-15 to 0-200 PSIG (0-1 to 0-34 BAR) Broad range of applications</p>	<p>Body Chrome-plated forged brass</p> <p>Bonnet Chrome-plated die-cast zinc</p> <p>Seat PTFE</p> <p>Filter 10 micron sintered bronze</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 1/2" (68mm) diameter chrome-plated brass</p> <p>Ports 1/4" FPT</p> <p>Helium Leak Integrity 1 x 10⁻⁸ scc/sec</p> <p>Cv 0.2 <i>Flow curves on pages to follow</i></p> <p>Weight (202 1331-580) 3.8 lbs. (1.74 kg)</p>

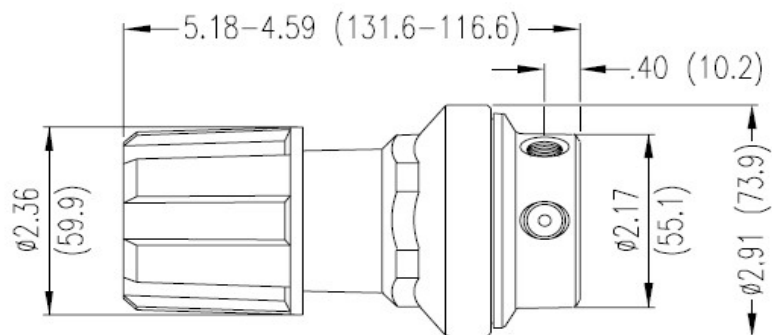
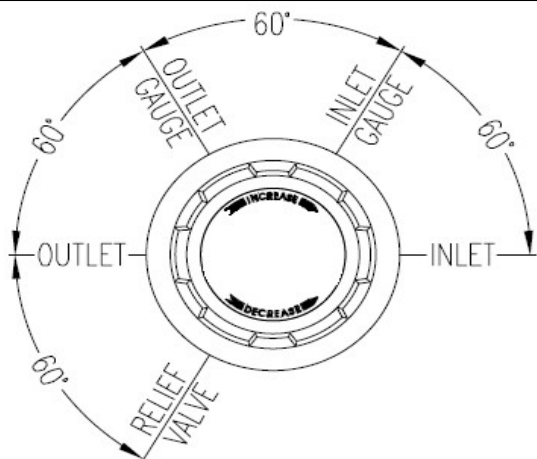
Order Information

Model	A		B	C	D	-CON	
Series	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Gauges	Inlet Connections	Installed Options
202	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	B: Protocol alarm station with pressure
	2: 0-40 PSIG (0-3 BAR)	0-60 PSIG/ 0-4 BAR	3: 0-4000 PSIG/ 0-275 BAR	1: 1/4" MPT 2: 1/4" tube fitting	1: Standard assembly (PSIG/kPa gauges)	TF2: 1/8" tube	C: Protocol switchover station
	3: 0-120 PSIG (0-8 BAR)	0-200 PSIG/ 0-14 BAR	5: 0-1000 PSIG/ 0-70 BAR	3: Diaphragm valve 1/4" tube fitting 5: Needle valve 1/4" MPT	2: Standard assembly (BAR/PSIG gauges)	TF4: 1/4" tube	E: Protocol alarm station with intrinsically safe transducer for hazardous
	4: 0-200 PSIG (0-14 BAR)	0-400 PSIG/ 0-27 BAR	6: 0-400 PSIG/ 0-27 BAR	6: 1/8" tube fitting 7: 3/8" tube fitting		TF6: 3/8" tube	H: Protocol switchover alarm station with pressure switch gauges
	5: 0-15 PSIG (0-1 BAR) ¹	0-30 PSIG/ 0-2 BAR ¹	7: 0-200 PSIG/ 0-14 BAR	8: Diaphragm valve 1/8" tube fitting 9: Diaphragm valve 1/4" FPT		CGA DIN 477 BS 341 and others available	J: Protocol alarm station with standard transducer for non- hazardous
			9: 0-600 PSIG/ 0-41 BAR	A: 3/8" BSP RH fitting B: Diaphragm valve 3/8" tube fitting C: 3/8" BSP LH fitting D: 6mm brass hose barb (Not available if A=4 or 5) G: 1/8" stainless steel tube fitting H: 1/4" stainless steel tube fitting M: 6mm tube fitting S: Diaphragm			K: Protocol switchover alarm station with standard transducer for non-hazardous environments M: Protocol station Q: Protocol purge station ² T: Tee purge X: Protocol switchover alarm station with intrinsically safe transducer for hazardous environments

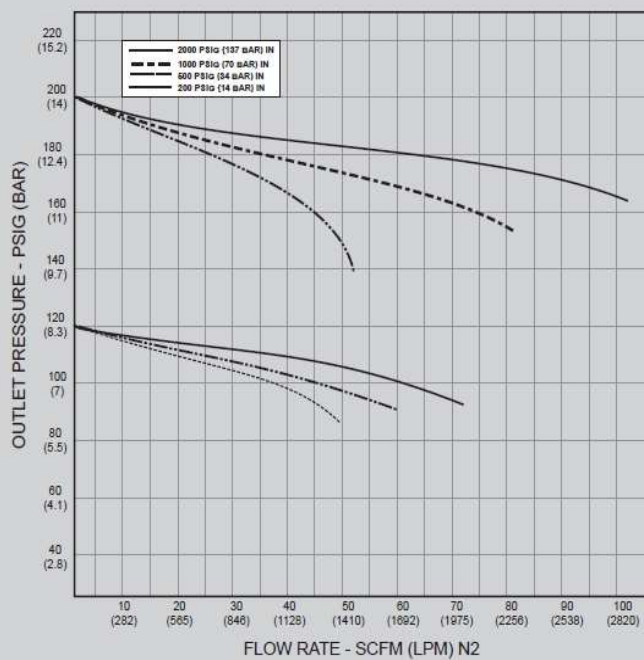
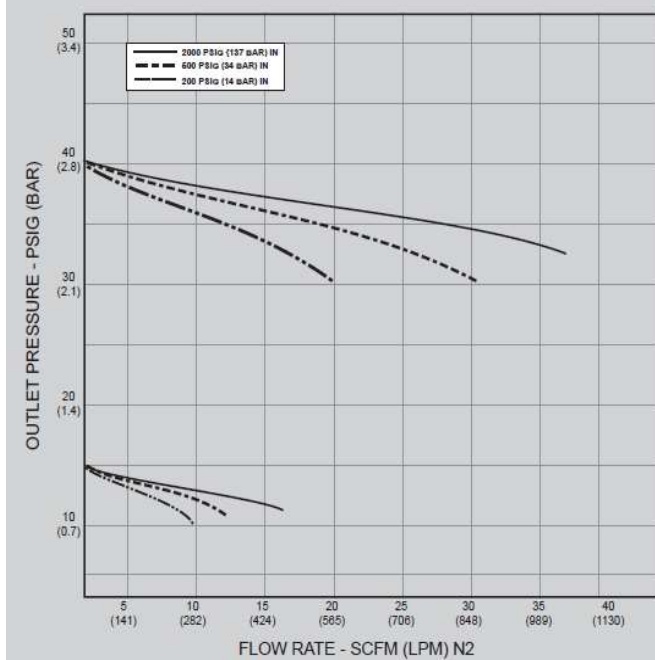
NOTES: ¹ With Redline for Acetylene use

² Not available with 4500 PSIG (310 BAR) max inlet pressure

Installation Dimensions



202 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.