



212 DUAL STAGE CHROME-PLATED BRASS HIGH PURITY REGULATOR

The 212 Series regulators are intended for primary pressure control of non-corrosive, high purity or liquefied gases (up to grade 4.5) for applications requiring constant pressure control and delivery regardless of supply pressure variations.

Highlighted Features

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

Typical Applications

- ❖ Argon
- ❖ Nitrogen
- ❖ Oxygen
- ❖ Carbon dioxide
- ❖ Hydrogen
- ❖ Non corrosive mixtures



Features	Materials	Specifications
CAPSULE® Seat Increased serviceability and life 316L Stainless Steel Diaphragm No inboard diffusion Forged Body Durable, long-lasting construction Field-Adjustable Pressure Limit Safeguard downstream equipment Large Convoluted Diaphragm Smooth pressure changes Standard Relief Valve Diaphragm and gauge protection Chrome-Plated Forged Brass Body Economical high purity design High Flow Capacity Supply multiple user locations Pressure Ranges 0-15 to 0-200 PSIG (0-1 to 0-14 BAR) Broad range of applications	Body Chrome-plated forged brass Bonnet Chrome-plated die-cast zinc Seat PCTFE (first stage) PTFE (second stage) Filter 10 micron sintered bronze Diaphragm 316L stainless steel Internal Seals PTFE	Maximum Inlet Pressure 3000 PSIG (210 BAR) 3500 PSIG (240 BAR) optional 4500 PSIG (310 BAR) optional Temperature Range -40°F to 140°F (-40°C to 60°C) Gauges 2 1/2" (68mm) diameter chrome-plated brass Ports 1/4" FPT Helium Leak Integrity 1 x 10 ⁻⁸ scc/sec Cv 0.28 <i>Flow curves on pages to follow</i> Weight (206 3021-580) 3.5 lbs. (1.59 kg)

Order Information

Model	A		B	C	D	-CON	Options
Series	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly Gauges	Inlet Connections	Installed Options
212	1: 0-15 PSIG (0-1 BAR)	0-30 PSIG/ 0-2 BAR	0: None	0: 1/4" FPT port 1: 1/4" MPT	0: Bare body	000: 1/4" FPT	B: Protocol alarm station with pressure switch gauges
	2: 0-40 PSIG (0-3 BAR)	0-60 PSIG/ 0-4 BAR	3: 0-4000 PSIG/ 0-275 BAR	2: 1/4" tube fitting 3: Diaphragm valve 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	4: Diaphragm valve 1/4" MPT 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 environments
	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	8: 0-6000 PSIG/ 0-415 BAR ²	8: Diaphragm valve 1/8" tube fitting 9: Diaphragm valve 1/4" FPT		M06: 6mm tube CGA DIN 477 BS 341 and others available	J: Protocol alarm station with standard transducer for non-hazardous environments K: Protocol switchover alarm station with standard transducer for non-hazardous environments
			9: 0-600 PSIG/ 0-42 BAR	A: 3/8" BSP RH fitting B: Diaphragm valve 3/8" tube fitting			M: Protocol station
			G: 0-4000 PSIG/ 0-275 BAR ³	C: 3/8" BSP LH fitting D: 6mm brass hose barb G: 1/8" stainless steel tube fitting H: 1/4" stainless steel tube fitting M: 6mm tube fitting S: Diaphragm valve 6mm tube fitting			Q: Protocol purge station T: Tee purge X: Protocol switchover alarm station with intrinsically safe transducer for hazardous environments

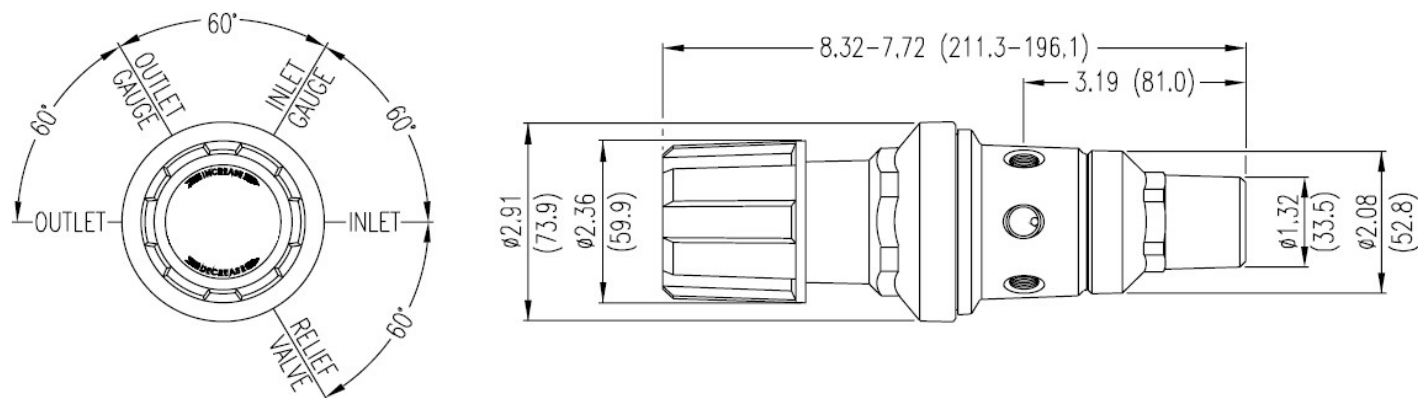
Notes:

¹ Not available with 4500 PSIG (310 BAR) Max Inlet. Outlet gauge has redline for acetylene use

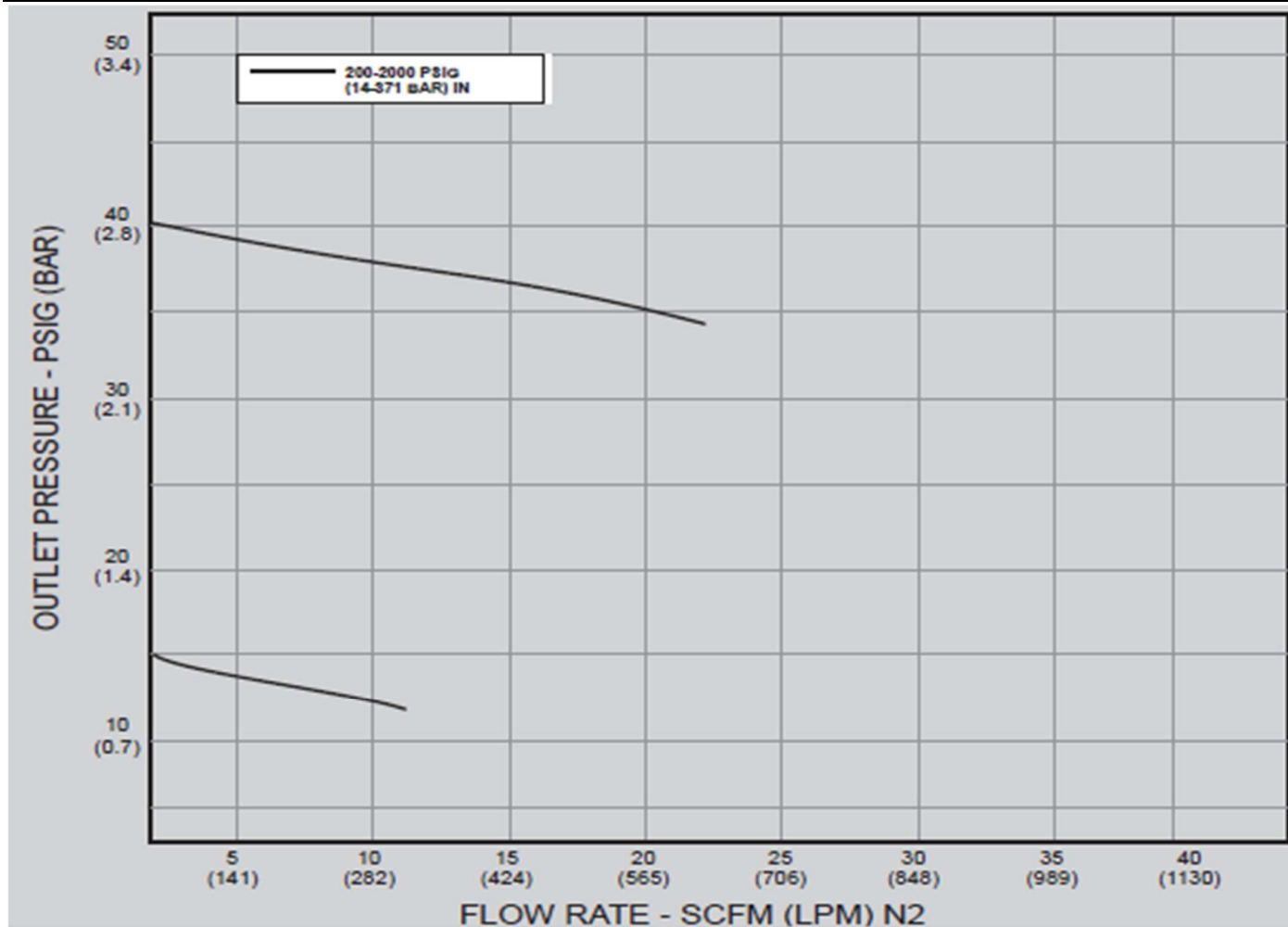
² Max inlet 4500 PSIG (310 BAR) with PCTFE seat CAPSULE®

³ Maximum inlet pressure 3500 (240 BAR) with PCTFE seat CAPSULE

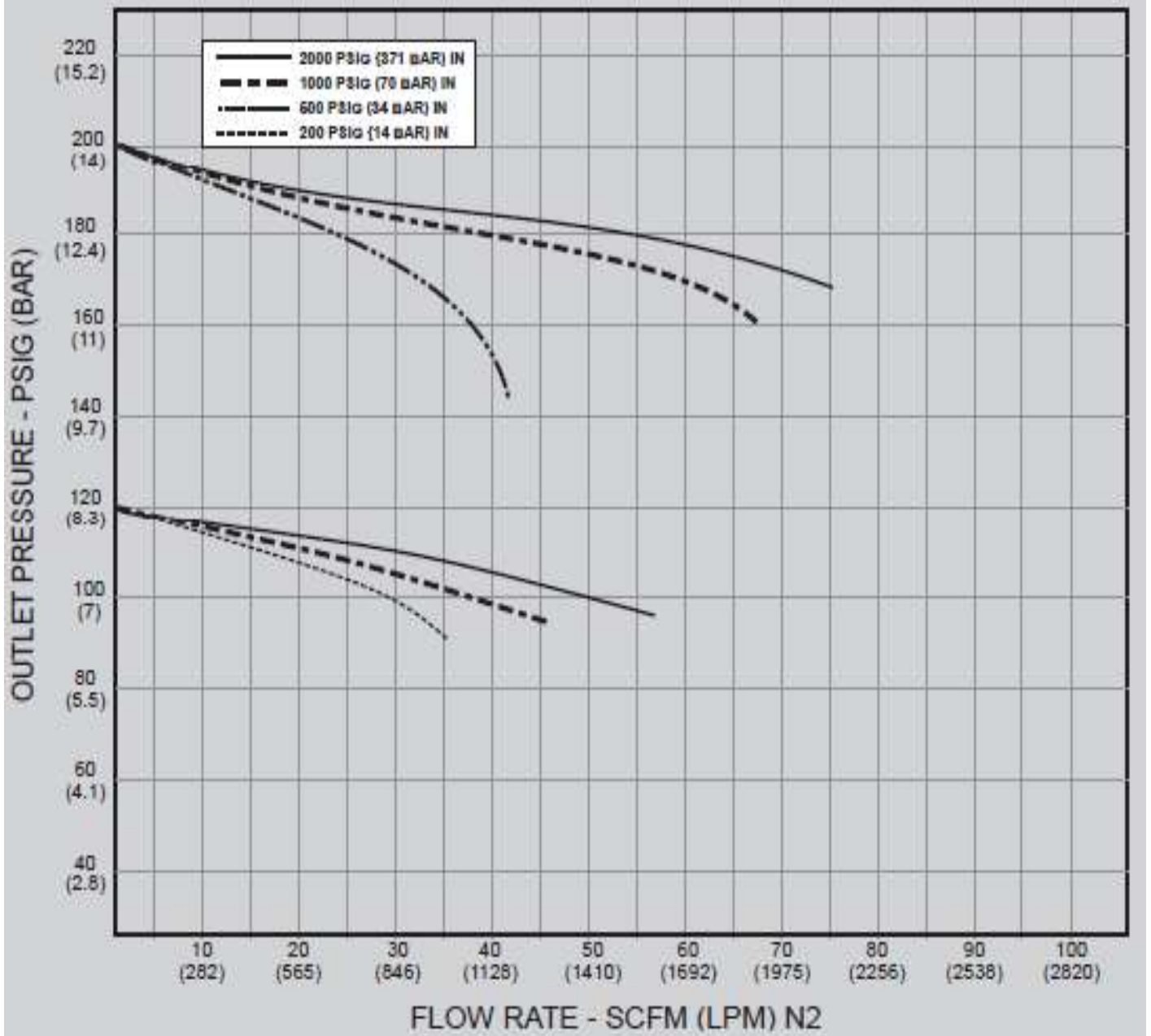
Installation Dimensions



212 Regulator Flow Curves



212 Regulator Flow Curves - continued



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