

213 DUAL STAGE CHROME PLATED BRASS LOW PSIG REGULATOR

The 213 Series regulators deliver non-corrosive, high purity or liquefied gases (up to grade 4.5) for applications requiring constant low-pressure control and delivery regardless of supply pressure variations. With delivery pressures as low as 0.1 PSIG (7 mBAR) that can be adjusted in 0.05 to 0.1 PSIG (4 to 7 mBAR) increments in two delivery pressure ranges, the 213 satisfies any high purity application requiring atmospheric pressures below 5 PSIG (350 mBAR).

Highlighted Features

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

Typical Applications

- Low pressure inert blanketing of chemicals and fuel tanks
- Gas supply purging
- Gas system charging
- Fuel gas supply control
- Calibration gas control
- Gas and liquid chromatography



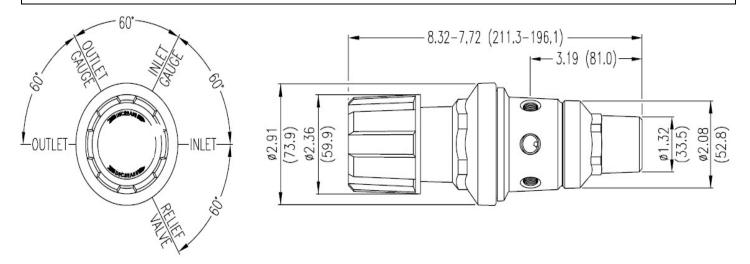
Features	Materials	Specifications		
CAPSULE® Seat	Body	Maximum Inlet Pressure		
Increased serviceability and life	Chrome-plated forged brass	3000 PSIG (210 BAR)		
316L Stainless Steel Diaphragm	Bonnet	4500 PSIG (310 BAR) optional		
No inboard diffusion	Chrome-plated die-cast zinc	Temperature Range		
Forged Body	Seat	-40°F to 140°F (-40°C to 60°C)		
Durable, long-lasting construction	PCTFE (first stage)	Gauges		
Large Convoluted Diaphragm	PTFE (second stage)	Inlet: 2 1/2" (68mm) diameter chrome-		
Stable pressure control	Filter	plated brass		
Standard Relief Valve	10 micron sintered bronze	Outlet: 2 1/2" (68mm) diameter steel		
Diaphragm and gauge protection	Diaphragm	case with brass connection		
Chrome-Plated Forged Brass Body	316L stainless steel	Ports		
High purity design	Internal Seals	1/4" FPT		
Substantial Flow Capacity at Low	PTFE	Helium Leak Integrity		
Outlet Pressure		1 x 10 ⁻⁸ scc/sec		
Supply multiple use locations		Cv		
Pressure Ranges 0.05-2.0 to 0.1-5.0		0.2		
PSIG (4-140 mBAR to 7-350 mBAR)		Flow curves on pages to follow		
Excellent pressure control in 0.05 to		Weight (213 1331-580)		
0.1 PSIG (4 to 7 mBAR) increments		5.1 lbs. (2.3 kg)		
3000 and 4500 PSIG (210 and 415 BAR) Inlet Pressure Rating				
Safe use with high pressure cylinders				

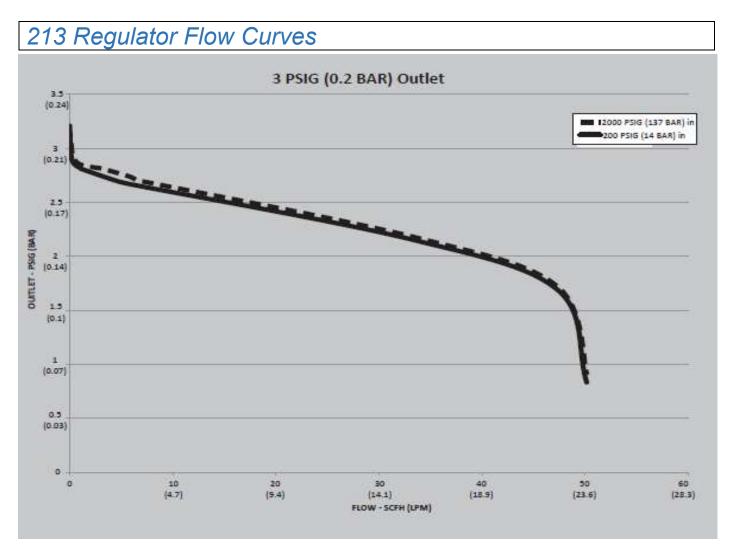
Model	der Information		В	C	D	-CON	
Series	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Gauges	Inlet Connections	Installed Options
213	1: 0-2 PSIG	0-5 PSIG/	0: None	0: 1/4" FPT port	0: Bare body	000: 1/4" FPT	B: Protocol alarm
	(0-140 mBAR)	(0-350 mBAR)	2.0 4000 DSIC/	1: 1/4" MPT	1: Standard		station with pressure
			3 : 0-4000 PSIG/ 0-275 BAR	2:1/4" tube fitting	assembly (PSIG/kPa gauges)		switch gauges
	2: 0-5 PSIG (0-350 mBAR)	0-10 PSIG/ (0-700 mBAR)	5: 0-1000 PSIG/ 0-70 BAR	3: Diaphragm valve 1/4" tube fitting	2: Standard assembly	TF2: 1/8" tube	C: Protocol switchover station
			6: 0-400 PSIG/ 0-27 BAR	4 : Diaphragm valve 1/4" MPT	(BAR/PSIG gauges)		
			8: 0-600 PSIG/ 0-415 BAR ¹	5 : Needle valve 1/4" MPT		TF4: 1/4" tube	E: Protocol alarm station with
			0 110 2/ 11	6: 1/8" tube fitting		TF6: 3/8" tube	intrinsically safe
			9: 0-6000 PSIG/ 0-42 BAR	7: 3/8" tube fitting			transducer for hazardous
				8: Diaphragm valve 1/8" tube fitting			environments
				9: Diaphragm valve 1/4" FPT		H: Protocol switchover alarm station with pressure switch gauges	
				A: 3/8" BSP RH fitting		CGA DIN 477 BS 341 and	J: Protocol alarm station with standard
				B: Diaphragm valve 1/4" FPT		others available	transducer for non- hazardous
				C: 3/8" BSPLH fitting			environments
				D: 6mm brass hose barb (not available if A=4 or 5)			
				G: 1/8" stainless			K: Protocol
				steel tube fitting H: 1/4" stainless			switchover alarm
				steel tube fitting			station with standard transducer for non-
				M: 6mm tube fitting			hazardous environments
				S: Diaphragm valve 6mm tube fitting			
							M: Protocol station
							Q: Protocol purge station
							T: Tee purge ² X: Protocol switchover alarm station with intrinsically safe transducer for hazardous environments

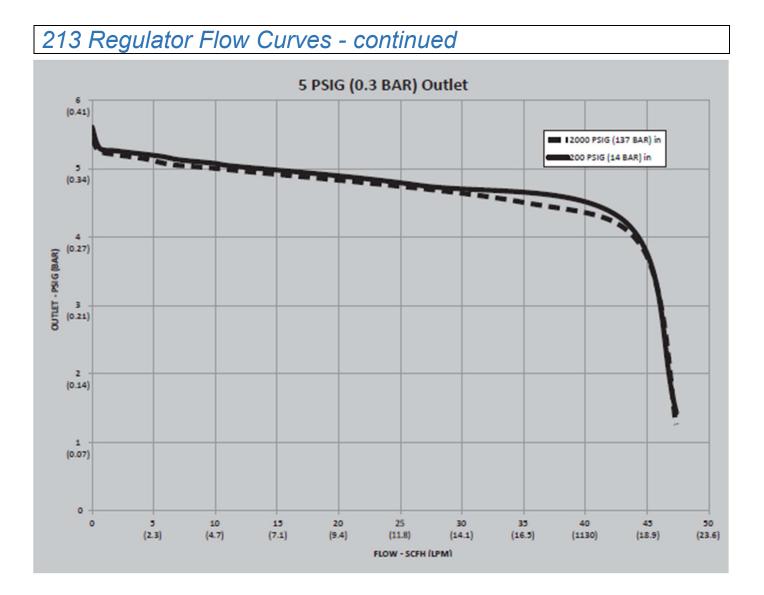
NOTES:

¹ Maximum inlet 4500 PSIG (310 BAR) with PCTFE Seat CAPSULE® ² Not available with 4500 PSIG (310 BAR) max inlet B: Diaphragm valve 3/8" pressure

Installation Dimensions







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