203 SERIES REGULATORS

The 203 Series regulators deliver non-corrosive, high purity or liquefied gases (up to grade 4.5) for applications requiring constant low pressure control from low inlet pressure sources below 200 PSIG. 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 low delivery pressure ranges, the 203 Series satisfies any high purity application requiring atmospheric pressures below 5 PSIG (350 mBAR).

Typical Applications

- Fuel Gas Supply Control
- Calibration Gas Control
- Gas System Charging
- Gas Supply Purging
- Low Pressure Inert Blanketing of Chemicals and Fuel Tanks

Features

Forged Brass Body presents durable, long lasting construction

Standard Relief Valve protects diaphragm and gauge

316L Stainless Steel Diaphragm prevents inboard diffusion

CAPSULE® Seat Technology increases product serviceability and life

Substantial Flow Capacity at Low Outlet Pressure supplies multiple user locations **Low Pressure Ranges** provide precise, stable control for high-purity, low-pressure applications

Materials and Specifications

Maximum Inlet Pressure: 200 PSIG (14 BAR) Body: Chrome-plated forged brass Bonnet: Chrome-plated die cast zinc Gauges: 2 1/2 in (63 mm) diameter steel with brass connections Seat: PTFE Filter: 10-micron sintered bronze Temperature Range: -40°F to 140°F (-40°C to 60°C) Diaphragm: 316L Stainless steel Cv: 0.02 Helium Leak Integrity: 1 x 10⁻⁸ scc/sec Internal Seals: PTFE Ports (bare body): 1/4 in FNPT Conformances: Cleanliness meets or exceeds CGA G-4.1; PED 2014/68/EU; ANSI/ASME B40.1; CRN OH5216



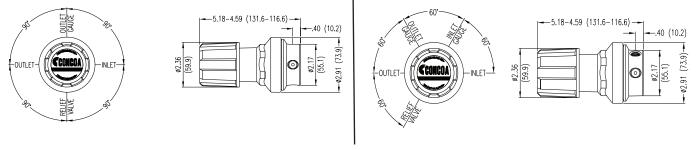


203 1001-01-000 shown

203 SERIES REGULATORS



Installation Dimensions



Four port configuration

Five port configuration

Ord	ering Info	rmation				
203	A		В	C	D	-CON
Series 203	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly Gauges	Inlet Connections
	1: 0-2 PSIG (0-140 mBAR)	0-5 PSIG/ 0-350 mBAR	0: None	0: 1/4" FNPT port	0: Four port bare body	000: 1/4" FNPT
	2: 0-5 PSIG (0-350 mBAR)	0-10 PSIG/ 0-700 mBAR	6: 0-400 PSIG/ 0-28 BAR	1: 1/4" MNPT	1: Four port standard assembly (PSIG/kPa gauges)	TF2: 1/8" tube
			7: 0-200 PSIG/ 0-14 BAR	2: 1/4" tube fitting	2: Four port standard assembly (BAR/PSIG gauges)	TF4: 1/4" tube
				3: Diaphragm valve 1/4" tube fitting	A: Five port bare body	TF6: 3/8" tube
				4: Diaphragm valve 1/4" MNPT	B: Five port standard assembly (PSIG/kPa gauges)	M06: 6 mm tube
				5: Needle valve 1/4" MNPT	C: Five port standard assembly (BAR/PSIG gauges)	CGA DIN 477 BS 341 and others available
				6: 1/8" tube fitting		olliers available
				7: 3/8" tube fitting		
				8: Diaphragm valve 1/8" tube fitting		
				9: Diaphragm valve 1/4" FNPT		
				A: 3/8" BSP RH fitting		
				B: Diaphragm valve 3/8" tube fitting		
				C: 3/8 in BSP LH fitting		
				D: 6 mm chrome hose barb		
				G: 1/8 instainless steel tube fitting		
				H: 1/4 in stainless steel tube fitting		
				J: 9/16"-18 "B" RH fitting, bare brass		
				K: 9/16"-18 "B" LH fitting, bare brass		
				L: 5/8"-18 "Inert" RH fitting, bare brass		
				M: 6 mm tube fitting		
5203	S Rev H			S: Diaphragm valve 6mm tube fitting	CONCOA • 1 800 225 0473	

203 SERIES REGULATORS

Flow Curves for 203 Series

