

202 Series Regulator

Single Stage

*Chrome-Plated
Forged Brass Body*

*Five-Port
Configuration*

*316L Stainless Steel
Diaphragm*

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.



202-1331 shown

Typical Applications

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

Advanced Features

- Chrome-plated forged brass body
Economical high purity design
- High flow capacity
Supply multiple user locations
- Pressure ranges 0-15 to 0-200 psig
Broad range of applications

200 Advantage

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

Body
Chrome-plated forged brass

Bonnet
Chrome-plated die cast zinc

Seat
PTFE

Filter
10 micron sintered bronze

Diaphragm
316L stainless steel

Internal Seals
PTFE

Maximum Inlet Pressure
3000 psig (210 BAR)

Temperature Range
-40°F to 140°F (-40°C to 60°C)

Gauges
2½" diameter chrome-plated brass

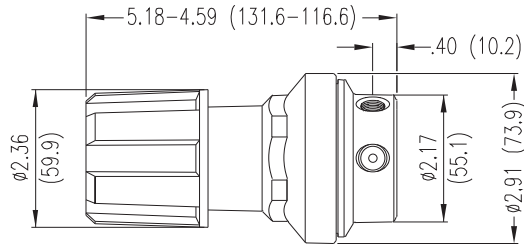
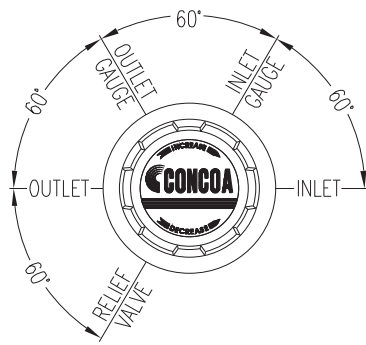
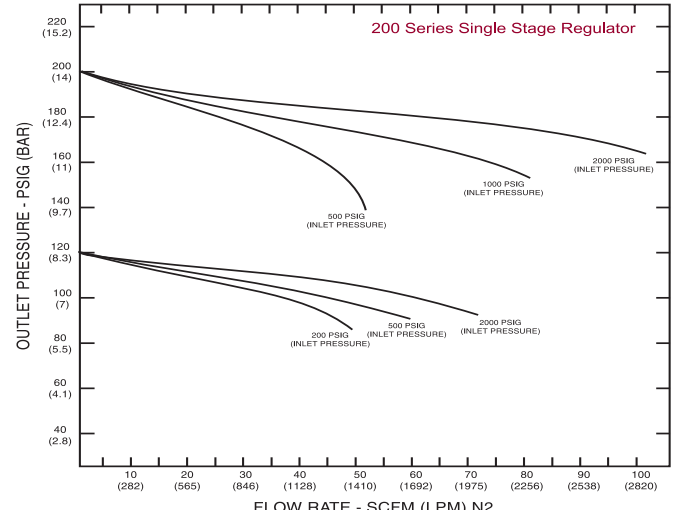
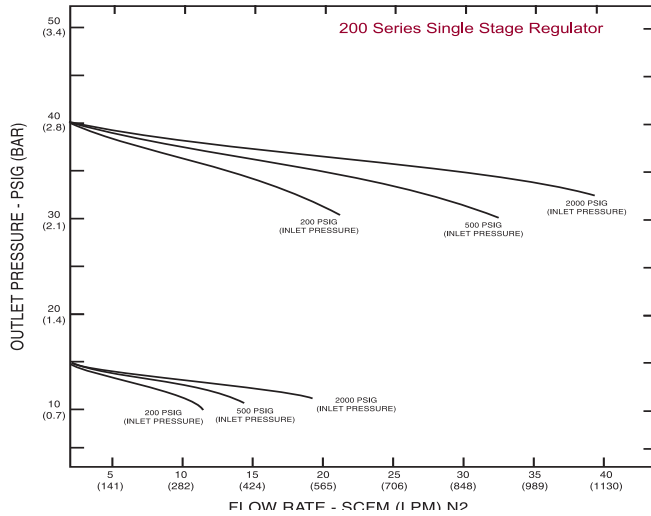
Ports
¼" FPT

Helium Leak Integrity
1 x 10⁻⁸ scc/sec

Cv
0.2

Weight (202-3331-580)
3.8 lbs. (1.74 kg)

Flow Performance Curves



Ordering Information *(For information about how to use this table please see page 4.)*

202	A		B	C	D	-Inlet	Options
Series 202	Outlet Pressure	Outlet Gauge	Inlet Gauge	Outlet Assemblies	Assembly/ Gauges	Inlet Connections	Installed Options
	1: 0-15	0-30 psig	0: None	0: 1/4" FPT Port	0: Bare Body	000: 1/4" FPT	A: Protocol Alarm Station (110V)
	2: 0-40	0-60 psig	3: 0-4000 psig	1: 1/4" MPT	1: Standard Assembly (psig/kPa Gauges)	TF2: 1/8" Tube	B: Protocol Alarm Station (220V)
	3: 0-120	0-200 psig	5: 0-1000 psig	2: 1/4" Tube Fitting	2: Standard Assembly (BAR/psig Gauges)	TF4: 1/4" Tube	C: Protocol Switchover Station
	4: 0-200	0-400 psig	6: 0-400 psig	3: Diaphragm Valve 1/4" Tube Fitting		TF6: 3/8" Tube	G: Protocol Switchover Station with Alarm (110V)
	5: 0-15*	0-30 psig	9: 0-600 psig	4: Diaphragm Valve 1/4" MPT		M06: 6mm Tube	H: Protocol Switchover Station with Alarm (220V)
		*With redline for acetylene use		5: Needle Valve 1/4" MPT		CGA DIN 477 BS 341 and others available	M: Protocol Station
				6: 1/8" Tube Fitting			T: Tee Purge
				7: 3/8" Tube Fitting			
				8: Diaphragm Valve 1/8" Tube Fitting			
				9: Diaphragm Valve 1/4" FPT			
				A: 3/8" BSP Right Hand Fitting			
				B: Diaphragm Valve 3/8" Tube Fitting			
				M: 6mm Tube Fitting			
				S: Diaphragm Valve 6mm Tube Fitting			