

# 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

- *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

## Materials

*Body*  
Chrome-plated forged brass

*Bonnet*  
Chrome-plated die cast zinc

*Seat*  
PTFE  
PCTFE with 4500 PSIG inlet option

*Filter*  
10 micron sintered bronze

*Diaphragm*  
316L stainless steel

*Internal Seals*  
PTFE

## Specifications

*Maximum Inlet Pressure*  
3000 PSIG (210 BAR)  
4500 PSIG (300 BAR) optional

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

*Gauges*  
2½" diameter chrome-plated brass

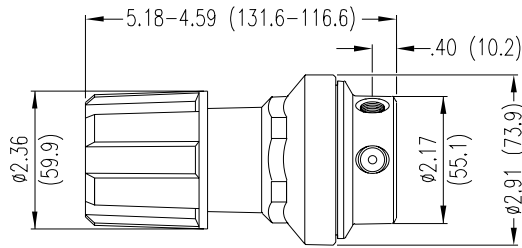
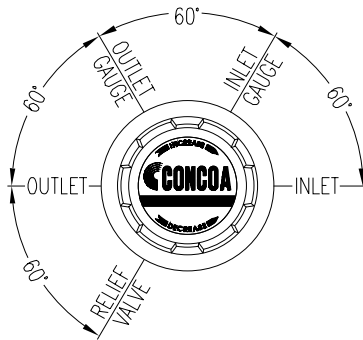
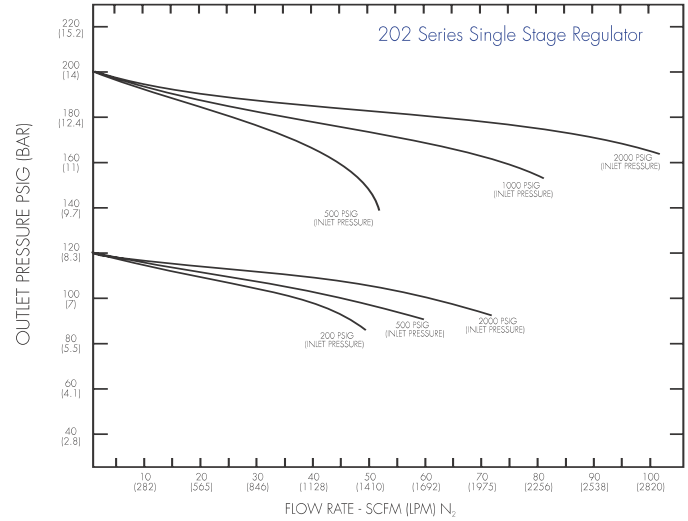
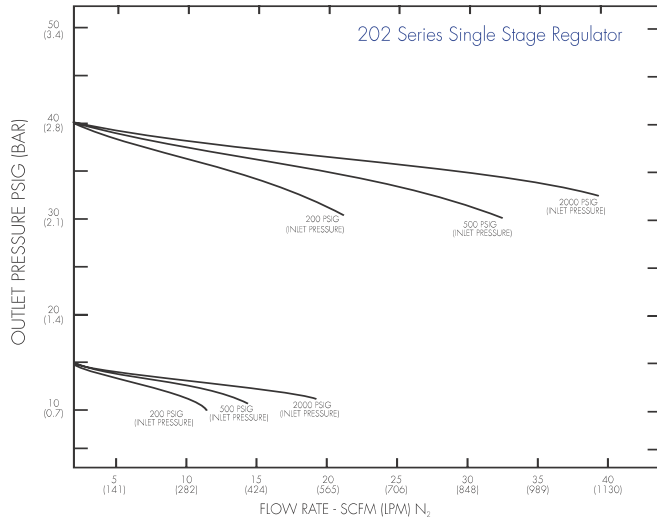
*Ports*  
¼" FPT

*Helium Leak Integrity*  
1 x 10<sup>-8</sup> 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	<b>Outlet Pressure</b> 1: 0-15* 2: 0-40 3: 0-120 4: 0-200 5: 0-15*  <i>*Not available with 4500 PSIG maximum inlet pressure</i>	<b>Outlet Gauge</b> 0-30 PSIG 0-60 PSIG 0-200 PSIG 0-400 PSIG 0-30 PSIG with redline for acetylene use  <i>*Maximum inlet pressure 4500 PSIG (300 BAR) with PCTFE Seat Capsule</i>	<b>Inlet Gauge</b> 0: None 3: 0-4000 PSIG 5: 0-1000 PSIG 6: 0-400 PSIG 8: 0-6000 PSIG* 9: 0-600 PSIG  <i>*Maximum inlet pressure 4500 PSIG (300 BAR) with PCTFE Seat Capsule</i>	<b>Outlet Assemblies</b> 0: ¼" FPT Port 1: ¼" MPT 2: ¼" Tube Fitting 3: Diaphragm Valve ¼" Tube Fitting 4: Diaphragm Valve ¼" MPT 5: Needle Valve ¼" MPT 6: ⅜" Tube Fitting 7: ⅜" Tube Fitting 8: Diaphragm Valve ⅜" Tube Fitting 9: Diaphragm Valve ¼" FPT A: ⅜" BSP Right Hand Fitting B: Diaphragm Valve ⅜" Tube Fitting M: 6mm Tube Fitting S: Diaphragm Valve 6mm Tube Fitting	<b>Assembly/ Gauges</b> 0: Bare Body 1: Standard Assembly (PSIG/kPa Gauges) 2: Standard Assembly (BAR/PSIG Gauges)	<b>Inlet Connections</b> 000: ¼" FPT TF2: ⅜" Tube TF4: ¼" Tube TF6: ⅜" Tube M06: 6mm Tube  CGA DIN 477 BS 341 and others available	<b>Installed Options</b> A: Protocol Alarm Station (110V) B: Protocol Alarm Station (220V) C: Protocol Switchover Station G: Protocol Switchover Station with Alarm (110V) H: Protocol Switchover Station with Alarm (220V) M: Protocol Station T: Tee Purge