

205 Series Regulator



Single Stage Chrome-Plated Forged Brass Body Four-Port Configuration 316L Stainless Steel Diaphragm

The 205 Series regulators are intended for secondary pressure control of non-corrosive, high purity or liquefied gases (up to grade 4.5) or as a point-of-use pressure control in high purity gas distribution systems. Typical applications include gas supply purging.



Typical Applications

- Point of use laboratory systems
- Gas system charging
- Liquefied hydrocarbon gas control
- Calibration gas control

Materials of Construction

| | |
|-----------|-----------------------------|
| Body | Chrome-plated forged brass |
| Bonnet | Chrome-plated die cast zinc |
| Diaphragm | 316L stainless steel |
| Seat | PTFE Teflon® |
| Seals | PTFE Teflon® |
| Filter | 10 micron sintered bronze |

Features

- Capsule® seat for increased serviceability and life
- High flow capacity
- Forged body for durability and lasting construction
- Convuluted SS diaphragm for smooth pressure changes
- 3000 psig inlet pressure rating for safe usage with high pressure cylinders

Specifications

| Maximum Inlet Pressure | Outlet Pressure | Outlet Gauge |
|------------------------|-----------------|--|
| 3000 psig (210 bar) | 0-15 psig | 0-30 psig |
| | 0-40 psig | 0-60 psig |
| | 0-120 psig | 0-200 psig |
| | 0-200 psig | 0-400 psig |
| | 0-15 psig | 0-30 psig <i>with redline for acetylene use</i> |

Ports: 1/4" FNPT
 Operating Temperature Range: -40 to 60°C
 Helium Leak Rate: 1 X 10⁻⁸ scc/sec
 C_v: 0.28
 Weight: 1.44 kg (3.2 lbs)

CRN Registry: CRN OH 5216.5C

