

202 Series

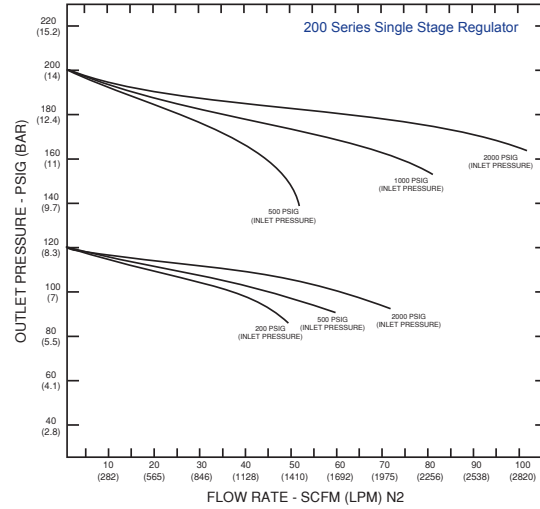
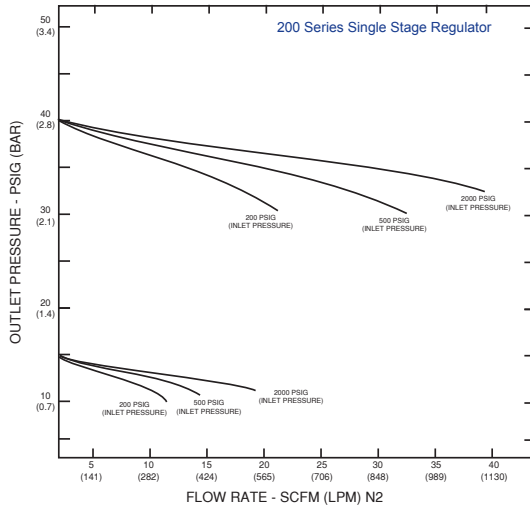
single stage, brass body regulator



| Description | Advanced Features | Typical Applications |
|---|--|--|
| 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. | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Gas supply purging • Gas system charging • Fuel gas supply control • Calibration gas control • Atomic absorption acetylene |

| 200 Series Advantage | Materials | Specifications |
|--|--|---|
| <ul style="list-style-type: none"> • <i>Capsule® seat</i> Increased serviceability and life • <i>316L stainless steel diaphragm</i> No inboard diffusion • <i>Forged body</i> Durable, long-lasting construction • <i>Field-adjustable pressure limit</i> Safeguard downstream equipment • <i>Large convoluted diaphragm</i> Smooth pressure changes • <i>Standard relief valve</i> Diaphragm and gauge protection | <p><i>Body</i> Chrome-plated forged brass</p> <p><i>Bonnet</i> Chrome-plated die cast zinc</p> <p><i>Seat</i> PTFE PCTFE with 4500 PSIG inlet option</p> <p><i>Filter</i> 10 micron sintered bronze</p> <p><i>Diaphragm</i> 316L stainless steel</p> <p><i>Internal Seals</i> PTFE</p> | <p><i>Maximum Inlet Pressure</i> 3000 PSIG (210 BAR) 4500 PSIG (310 BAR) optional</p> <p><i>Temperature Range</i> -40°F to 140°F (-40°C to 60°C)</p> <p><i>Gauges</i> 2½" diameter chrome-plated brass</p> <p><i>Ports</i> ¼" FPT</p> <p><i>Helium Leak Integrity</i> 1 x 10⁻⁸ scc/sec</p> <p><i>Cv</i> 0.2</p> <p><i>Weight (202-3331-580)</i> 3.8 lbs. (1.74 kg)</p> |

Flow Performance



4

Ordering Information and Configuration Options

| 202 | A | | B | C | D | -Inlet | Options |
|------------|---|---|---|---|---|--|---|
| Series 202 | Outlet Pressure 1: 0-15* 2: 0-40 3: 0-120 4: 0-200 5: 0-15* | Outlet Gauge 0-30 PSIG 0-60 PSIG 0-200 PSIG 0-400 PSIG 0-30 PSIG with redline for acetylene use | Inlet Gauge 0: None 3: 0-4000 PSIG 5: 0-1000 PSIG 6: 0-400 PSIG 9: 0-600 PSIG | Outlet Assemblies 0: 1/4" FPT Port 1: 1/4" MPT 2: 1/4" Tube Fitting 3: Diaphragm Valve 1/4" Tube Fitting 4: Diaphragm Valve 1/4" MPT 5: Needle Valve 1/4" MPT 6: 1/8" Tube Fitting 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 | Assembly/ Gauges 0: Bare Body 1: Standard Assembly (PSIG/kPa Gauges) 2: Standard Assembly (BAR/PSIG Gauges) | Inlet Connections 000: 1/4" FPT TF2: 1/8" Tube TF4: 1/4" Tube TF6: 3/8" Tube M06: 6mm Tube CGA DIN 477 BS 341 and others available | Installed Options 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 |
| | *Not available with 4500 PSIG maximum inlet pressure | | | | | | |

212 Series

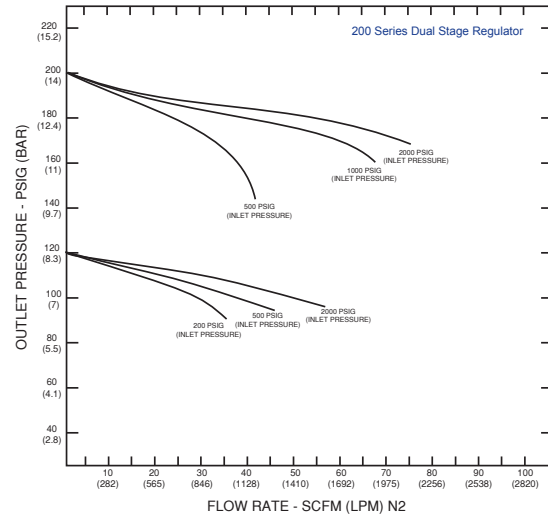
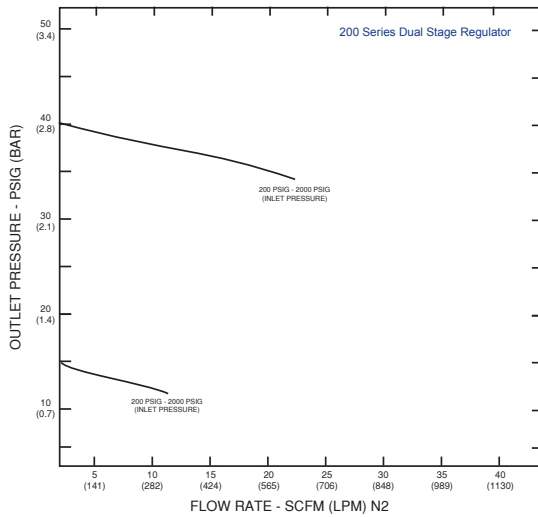
two stage, brass body regulator



| Description | Advanced Features | Typical Applications |
|--|---|---|
| The 212 Series regulators are intended for primary pressure control of non-corrosive, high purity or liquefied gases (up to grade 4.5) for applications requiring constant pressure control and delivery regardless of supply pressure variations. | <ul style="list-style-type: none"> • 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 • 3000 PSIG inlet pressure rating Safe use with high pressure cylinders | <ul style="list-style-type: none"> • Gas supply purging • Gas system charging • Fuel gas supply control • Calibration gas control |

| 200 Series Advantage | Materials | Specifications |
|--|--|---|
| <ul style="list-style-type: none"> • 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 | <p>Body Chrome-plated forged brass</p> <p>Bonnet Chrome-plated die cast zinc</p> <p>Seat PTFE PCTFE with 4500 PSIG inlet option</p> <p>Filter 10 micron sintered bronze</p> <p>Diaphragm 316L stainless steel</p> <p>Internal Seals PTFE</p> | <p>Maximum Inlet Pressure 3000 PSIG (210 BAR) 4500 PSIG (310 BAR) optional</p> <p>Temperature Range -40°F to 140°F (-40°C to 60°C)</p> <p>Gauges 2½" diameter chrome-plated brass</p> <p>Ports ¼" FPT</p> <p>Helium Leak Integrity 1 x 10⁻⁸ scc/sec</p> <p>Cv 0.28</p> <p>Weight (212-3331-580) 5.1 lbs. (2.3 kg)</p> |

Flow Performance



4

Ordering Information and Configuration Options

| 212 | A | | B | C | D | -Inlet | Options |
|------------|---|---|---|---|--|--|--|
| Series 212 | Outlet Pressure | Outlet Gauge | Inlet Gauge | Outlet Assemblies | Assembly/ Gauges | Inlet Connections | Installed Options |
| | 1: 0-15 2: 0-40 3: 0-120 4: 0-200 5: 0-15 | 0-30 PSIG 0-60 PSIG 0-200 PSIG 0-400 PSIG 0-30 PSIG with redline for acetylene use | 0: None 3: 0-4000 PSIG 5: 0-1000 PSIG 6: 0-400 PSIG 8: 0-6000 PSIG* 9: 0-600 PSIG *Maximum inlet pressure 4500 PSIG (300 BAR) with PCTFE Seat Capsule | 0: 1/4" FPT Port 1: 1/4" MPT 2: 1/4" Tube Fitting 3: Diaphragm Valve 1/4" Tube Fitting 4: Diaphragm Valve 1/4" MPT 5: Needle Valve 1/4" MPT 6: 1/8" Tube Fitting 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 | 0: Bare Body 1: Standard Assembly (PSIG/kPa Gauges) 2: Standard Assembly (BAR/PSIG Gauges) | 000: 1/4" FPT TF2: 1/8" Tube TF4: 1/4" Tube TF6: 3/8" Tube M06: 6mm Tube CGA DIN 477 BS 341 and others available | 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* *Not available with 4500 PSIG max inlet pressure |