# 200 Series Regulators

The 206 Series regulators are intended for primary pressure control of gases supplied from cryogenic liquid cylinders.

### Typical Applications
- Argon
- Nitrogen
- Oxygen
- Carbon dioxide

## Features
- **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
- **Designed for Low Inlet Pressures**
  - Optimized flow with liquid cylinders
- **Large CAPSULE® Seat**
  - Permits flow rates unobtainable with conventional regulators
- **3000 PSIG (210 BAR) Inlet Pressure Rating**
  - Safe use on high pressure cylinders

## Materials
- **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

## Specifications
- **Maximum Inlet Pressure**
  - 3000 PSIG (210 BAR)
- **Temperature Range**
  - -40°F to 140°F (-40°C to 60°C)
- **Gauge**
  - 2 1/2” (68mm) diameter chrome-plated brass
- **Ports**
  - 1/4” FPT
- **Helium Leak Integrity**
  - 1 x 10^-8 scc/sec
- **Cv**
  - 0.28
  - *See page 206 for flow curves*
- **Weight**
  - (206 3021-580) 3.5 lbs. (1.59 kg)
# 200 Series Regulators

## Installation Dimensions

![Regulator Diagram](image)

## Ordering Information

<table>
<thead>
<tr>
<th>206 Series</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>-CON</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outlet Pressure</td>
<td>Outlet Gauge</td>
<td>Inlet Gauge</td>
<td>Outlet Assemblies</td>
<td>Assembly Gauges</td>
<td>Inlet Connections</td>
<td>Installed Options</td>
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<tr>
<td>1: 0-15 PSIG (0-1 BAR)</td>
<td>0-30 PSIG/0-2 BAR</td>
<td>0</td>
<td>0: 1/4&quot; FPT port</td>
<td>0: Bare body</td>
<td>000: 1/4&quot; FPT</td>
<td>B: Protocol alarm station with pressure switch gauges</td>
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<tr>
<td>2: 0-40 PSIG (0-3 BAR)</td>
<td>0-60 PSIG/0-4 BAR</td>
<td>1:</td>
<td>1/4&quot; MPT</td>
<td>1: Standard assembly (PSIG/kPa gauges)</td>
<td>TF2: 1/8&quot; tube</td>
<td>C: Protocol switchover station</td>
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<td>3: 0-120 PSIG (0-8 BAR)</td>
<td>0-200 PSIG/0-14 BAR</td>
<td>2:</td>
<td>1/4&quot; tube fitting</td>
<td>2: Standard assembly (BAR/PSIG gauges)</td>
<td>TF4: 1/4&quot; tube</td>
<td>E: Protocol alarm station with intrinsically safe transducer for hazardous environments</td>
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<td>4: 0-200 PSIG (0-14 BAR)</td>
<td>0-400 PSIG/0-27 BAR</td>
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