400 Series Regulators

- Single Stage
- Ultra-High Flow
- Brass Barstock Body
- Four Port Configuration
- 316L Stainless Steel Diaphragm

The 484 Series regulator applications are wide and varied including high flow purging, semiconductor manufacturing, manifold and line regulation.

**Typical Applications**
- Ultra-high flow
- Bulk gas distribution systems
- Gas and liquid chromatography
- High purity carrier gases
- Zero, span, and calibration gases
- High purity chamber pressurization
- Liquefied hydrocarbon gas control
- Control of cryogenic gases
- Corrosive gas service

484 3001 shown

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**Features**

- PTFE Diaphragm Seal
  No possibility of gas contamination
- ISOFLOW Technology
  Internal equalization provides constant delivery pressure at high flows
- 316L Stainless Steel Barstock Body
  Corrosion resistance for smooth surface finish
- Rear Panel-Mountable
  Versatile system configuration
- Pressure Ranges 0-15 to 0-250 PSIG
  Broad range of applications
- 3000 PSIG Inlet Pressure Rating
  Safe use with high pressure cylinders
- Pipe Away Relief Valve
  Safely vents exhaust gases

**Materials**

- **Body**
  316L stainless steel barstock
- **Bonnet**
  Chrome-plated die cast zinc
- **Seat**
  PCTFE
- **Filter**
  40 micron 316L stainless steel
- **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” diameter stainless steel
- **Ports**
  1/2” FPT (inlet/outlet)
  1/4” FPT (gauge/relief valve)
- **Helium Leak Integrity**
  1 x 10⁻⁸ scc/sec
- **Cv**
  1.0
- **Weight (484 3011-TF8)**
  4.52 lbs. (2.05 kg)
400 Series Regulators

Installation Information

Ordering Information

<table>
<thead>
<tr>
<th>484 Series</th>
<th>484</th>
<th>A</th>
<th>Outlet Pressure</th>
<th>Outlet Gauge</th>
<th>B</th>
<th>Inlet Gauge</th>
<th>Outlet Assemblies</th>
<th>Assembly/Gauges</th>
<th>C</th>
<th>Inlet Connections</th>
<th>-CON</th>
<th>Installed Options</th>
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</thead>
<tbody>
<tr>
<td>1: 0-15</td>
<td>0-15</td>
<td>30&quot;-0-30 PSIG</td>
<td>0: None</td>
<td>0: 1/2&quot; FPT port</td>
<td>0: Bare body</td>
<td>000: 1/2&quot; FPT</td>
<td>0: 1/2&quot; tube fitting</td>
<td>1: Standard assembly (PSIG/kPa gauges)</td>
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<tr>
<td>2: 0-40</td>
<td>0-40</td>
<td>30&quot;-0-60 PSIG</td>
<td>1: 1/2&quot; tube fitting</td>
<td>1: Standard assembly (BAR/PSIG gauges)</td>
<td>1: Standard assembly (PSIG/kPa gauges)</td>
<td>TF8: 1/2&quot; tube</td>
<td>1: Standard assembly (PSIG/kPa gauges)</td>
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<td>3: 0-120</td>
<td>0-120</td>
<td>30&quot;-0-200 PSIG</td>
<td>5: Needle valve 1/4&quot; MPT</td>
<td>2: Standard assembly (BAR/PSIG gauges)</td>
<td>2: Standard assembly (BAR/PSIG gauges)</td>
<td>M12: 12mm tube</td>
<td>2: Standard assembly (BAR/PSIG gauges)</td>
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<tr>
<td>4: 0-200</td>
<td>0-200</td>
<td>0-400 PSIG</td>
<td>6: Mirror image assembly (BAR/PSIG gauges)</td>
<td>6: Mirror image assembly (PSIG/kPa gauges)</td>
<td>6: Mirror image assembly (BAR/PSIG gauges)</td>
<td>M12: 12mm tube</td>
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<tr>
<td>5: 0-250</td>
<td>0-250</td>
<td>0-400 PSIG</td>
<td>7: Mirror image assembly (BAR/PSIG gauges)</td>
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Related Options

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<th>Options</th>
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<th>Description</th>
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<tbody>
<tr>
<td>Panel mount kit</td>
<td>835 0204</td>
<td>To mount the regulator from the rear</td>
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</table>
Flow Curves for
483, 484, 485, 486 Series Regulators

FLOW RATE - SCFH (NM3/H) N2

OUTLET PRESSURE PSIG (BAR)

FLOW RATE - SCFH (NM3/H) N2

INLET PRESSURE PSIG

INLET PRESSURE PSIG

INLET PRESSURE PSIG

INLET PRESSURE PSIG

INLET PRESSURE PSIG

INLET PRESSURE PSIG