The single-body design of the 622 offers high flow in a compact purge regulator assembly. The dome-loaded seat offers excellent flow capacity, which enables the 622 to transition into a point-of-use regulator of a bulk installation.

## Advanced Features

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>UP TO 4500 PSIG (310 BAR)</strong></td>
<td>Liquid or high pressure use</td>
</tr>
<tr>
<td><strong>40-MICRON INTERNAL FILTER</strong></td>
<td>Limits possibility of gas contamination</td>
</tr>
<tr>
<td><strong>OPTIONAL WALL MOUNTING KIT</strong></td>
<td>Maintains flow capacity</td>
</tr>
<tr>
<td><strong>RIGHT AND LEFT HAND INLETS AVAILABLE</strong></td>
<td>Flexible installation options</td>
</tr>
</tbody>
</table>

### Delivery Regulator Specifications
- **Brass barstock body and bonnet**
- **PTFE seat** or **PCTFE seat†**
- **PTFE and Viton® (internal)**

### Pilot Regulator Specifications
- **Brass barstock body and bonnet**
- **PTFE seat** or **PCTFE seat†**
- **PTFE and Viton® (internal)**

### Tubing and Tube Fittings
- **316L stainless steel**

### Pressure Gauges (PSIG/BAR Dual Scale)
- **Brass (socket)**
- **Bronze (bourdon tube)**
- **Brass (case)**

- **3000 PSIG (210 BAR)**
- **4500 PSIG (310 BAR)**

### Applications
- Assist Gases from Cryogenic Supply
- Nitrogen and Oxygen
- (Use low pressure inlet models for MVE Laser-Cyl™, TW™ VHP liquid cylinder, MVE Trfecta™, CTR Laser Maid™, and TW™ Laser Pak Systems)

- Assist Gas Delivery from High Pressure Supply
- Nitrogen and Oxygen
- (Use high pressure inlet models with “Gas Paks”, cradles, and tube trailers)

### Materials
- **Delivery Regulator**
  - Brass barstock body and bonnet
  - PTFE seat* or PCTFE seat†
  - PTFE and Viton® (internal)

- **Pilot Regulator**
  - Brass barstock body and bonnet
  - PTFE seat* or PCTFE seat†
  - PTFE and Viton® (internal)

- **Tubing and Tube Fittings**
  - 316L stainless steel

- **Pressure Gauges (PSIG/BAR Dual Scale)**
  - Brass (socket)
  - Bronze (bourdon tube)
  - Brass (case)

- **3000 PSIG (210 BAR)**
- **4500 PSIG (310 BAR)**

### Maximum Inlet Pressure
- 600 PSIG (42 BAR)
- 3000 PSIG (210 BAR)
- 4500 PSIG (310 BAR)

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

### Maximum Flow (Nitrogen)
- 5200 SCFH (2454 lpm)

### Inlet Connections
- ½” FPT

### Outlet Connections
- ½” MPT

### Weight
- 5.4 lbs. (3.5 kg)
Flow Performance Curves

Installation Dimensions

Ordering Information

<table>
<thead>
<tr>
<th>Series 622</th>
<th>Outlet Pressure</th>
<th>Inlet Connection</th>
<th>Outlet Connection</th>
<th>Assembly Orientation/Maximum Inlet Pressure</th>
<th>Inlet Connection</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>1: 0-100 PSIG (0-0.7 BAR)</td>
<td>0: ½” FPT Port</td>
<td>0: ½” FPT Port</td>
<td>0: Right hand inlet/600 PSIG (42 BAR)</td>
<td>Please specify inlet connection</td>
<td>CGA, DIN 477, BS 341 and others available</td>
<td></td>
</tr>
<tr>
<td>2: 0-250 PSIG (0-17 BAR)</td>
<td>1: ½” stainless steel tube fitting</td>
<td>1: ½” stainless steel compression tube</td>
<td>1: Left hand inlet/600 PSIG (42 BAR)</td>
<td>C: Three cylinders*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3: 0-500 PSIG (0-34 BAR)</td>
<td>0: ½” FPT Port</td>
<td>0: ½” compression tube</td>
<td>0: Right hand inlet/3000 PSIG (210 BAR)</td>
<td>B: Two cylinders*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4: Diaphragm valve ½” FPT</td>
<td>3: Diaphragm valve ½” FPT</td>
<td>3: Diaphragm valve ½” FPT</td>
<td>3: Left hand inlet/3000 PSIG (210 BAR)</td>
<td>E: Five cylinders*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5: Cylinder connection</td>
<td>4: Diaphragm valve ½” tube</td>
<td>4: Diaphragm valve ½” tube</td>
<td>4: Right hand inlet/4500 PSIG (310 BAR)</td>
<td>F: Six cylinders*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6: MicroManifold with 72” hose</td>
<td>6: 3/8” 37° JIC male flare</td>
<td>6: 3/8” 37° JIC male flare</td>
<td>6: MicroManifold with Master Valve and 72” Hose</td>
<td>G: Seven cylinders*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7: MicroManifold with Master Valve and 72” Hose</td>
<td></td>
<td></td>
<td></td>
<td>H: Eight cylinders*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8: MicroManifold with P/S and 72” hose</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9: MicroManifold with Master Valve, P/S and 72” hose</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Related Options

<table>
<thead>
<tr>
<th>Option</th>
<th>Series</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Panel Mount Kit</td>
<td>5500002</td>
<td>Pilot regulator panel mount nut and washer</td>
</tr>
<tr>
<td>RH Wall Mount Kit</td>
<td>8309772</td>
<td>Wall mount bracket with pilot regulator panel mount nut and washer</td>
</tr>
<tr>
<td>LH Wall Mount Kit</td>
<td>8309773</td>
<td>Wall mount bracket with pilot regulator panel mount nut and washer</td>
</tr>
</tbody>
</table>