1354 Servo Dome Pressure Regulator

For high-pressure, high-flow applications requiring bubble-tight performance

Features
- Designed for high flow, high pressure gas and liquid applications
- Gas loaded dome provides accurate set point regulation
- Compact body design
- Inlet/outlet pressures up to 6000 psi
- Internal or downstream sensing
- Self-contained dome loading available

Specifications
- Inlet Pressure: 0 to 6,000 psi
- Outlet Pressure: 0 to 6,000 psi
- Proof: 9,000 psi
- Burst: 24,000 psi
- Cv: 0.55, 1.2 or 2.2
- Temperature: -45°F to +165°F
- Approximate weight: 16 lbs.
- External leakage: Bubble-tight
- Internal leakage: 10 sccm max. (soft seat) 1 scfm max. (metal seat)

Materials of Construction
- Body: 304 Stainless steel
- Dome: 304 Stainless steel
- Seat: Nylon, PCTFE or metal
- Seals: Buna-N®/Teflon®
- Diaphragm: Polyurethane

Applications
Chemical processing • Test stands • Natural gas pipelines • Ground Support Systems

Buna-N® is a registered trademark of E.I. du Pont de Nemours & Company
Teflon® is a registered trademark of E.I. DuPont

U.S. Para Plate valves and regulators are used where performance and reliability are a must. Proven for over 30 years in the most demanding Aerospace and Industrial applications.
1354 Servo Dome Pressure Regulator

**Ordering Information**

- **Model Number**: 1354 C 8 K - T 08 T R
- **Body/Dome**: C = 304 Stainless steel
- **Seal Ring**: N = Nylon, K = PCTFE, M = Metal (17-4 ph SST)
- **Cleaning**: - = General service, X = High level precision cleaning
- **Dome Loading Connections**: T = MS33649-4 female tube, P = 1/4" NPT female, L = Self contained
- **Line Size**: 08 = 0.50", 12 = 0.75", 16 = 1.00", 24 = 1.50" (G-CON® only), 32 = 2.00" (G-CON® only)
- **I/O Port Type**: T = MS33649 female tube, P = NPT female, G = G-CON®
- **Remote Sensing**: Blank = Not required, R = Required

For Oxygen service, contact factory.
(Bold Italic Type indicates standard options)
G-CON® is a registered trademark of Reflange, Inc.

**G-CON® Hub Option**

**Flow Factor & Orifice Size**

<table>
<thead>
<tr>
<th>Orifice Size (&quot;')</th>
<th>Flow Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.25</td>
<td>0.55</td>
</tr>
<tr>
<td>0.37</td>
<td>1.2</td>
</tr>
<tr>
<td>0.50</td>
<td>2.2</td>
</tr>
</tbody>
</table>

**Characteristic Max Flow Curve**

Outlet Pressure (psia) vs. Inlet Pressure (psia) for different Flow Factors:
- CV = 0.55
- CV = 1.2
- CV = 2.2

<table>
<thead>
<tr>
<th>Flow Factor</th>
<th>Orifice Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>CV = 0.55</td>
<td>0.25&quot;</td>
</tr>
<tr>
<td>CV = 1.2</td>
<td>0.37&quot;</td>
</tr>
<tr>
<td>CV = 2.2</td>
<td>0.50&quot;</td>
</tr>
</tbody>
</table>

**Line Size**

<table>
<thead>
<tr>
<th>Line Size</th>
<th>G-CON® Hubs</th>
<th>Seal Ring Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>08</td>
<td>7.56</td>
<td>G05</td>
</tr>
<tr>
<td>12</td>
<td>7.56</td>
<td>G05</td>
</tr>
<tr>
<td>16</td>
<td>7.56</td>
<td>G07</td>
</tr>
<tr>
<td>24</td>
<td>8.81</td>
<td>G14</td>
</tr>
<tr>
<td>32</td>
<td>9.56</td>
<td>G14</td>
</tr>
</tbody>
</table>

For Line Sizes 0.50" through 1.00"