Servo-Dome-Loaded Regulator

Model 85

The Model 85 is a high-pressure, high-flow regulator system featuring servo-dome-load technology. This feature allows the regulator to supply high flow rates with straight-line pressure regulation. Typical applications include laser-assist gases, pressure transfer, blanketing and high-flow manifolds.

Benefits and Features

- Maximum inlet pressure is 3000 psig
- Conforms to CGA E-4
- Ergonomic knob for improved grip
- 2.5” dual-scale gauges (psi/bar)
- ½” NPT inlet and outlet body ports
- Tamper-proof, self-reseating internal high-pressure safety valve
- One-piece encapsulated seat design with 10 micron filtration

Typical Performance

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Gas Service</th>
<th>Delivery Pressure Range (psig)</th>
<th>Inlet</th>
<th>Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>IGR-85E</td>
<td>Inerts</td>
<td>0−500</td>
<td>½” NPT Female</td>
<td>½” NPT Female</td>
</tr>
<tr>
<td>IGR-85F</td>
<td>Inerts</td>
<td>0−1000</td>
<td>½” NPT Female</td>
<td>½” NPT Female</td>
</tr>
</tbody>
</table>

Recommended for use with LASAL™

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