SERIES SL 5400
SPRINGLESS REGULATOR
Intermediate pressure and flow range

- Single stage
- 10 µin. surface finish (7 and 5 µin. optional)
- 316L SS VAR secondary remelt construction
- Vacuum to 1000 psig (69 bar) inlet
- UHP Semiconductor cleaned, assembled, tested and packaged
- Cylinder and point of use applications
- Knob LOTO (refer to AP KL data sheet)
- Installation and operating instructions available at www.aptech-online.com in the Tech Briefs section

Operating Parameters

<table>
<thead>
<tr>
<th>Source pressure</th>
<th>vacuum to 1,000 psig (69 bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delivery pressure</td>
<td>SL 5402 1 to 30 psig (0.07 to 2 bar)</td>
</tr>
<tr>
<td></td>
<td>SL 5406 1 to 60 psig (0.07 to 4 bar)</td>
</tr>
<tr>
<td></td>
<td>SL 5410 2 to 100 psig (0.14 to 7 bar)</td>
</tr>
<tr>
<td>Proof pressure</td>
<td>150% of operating pressures</td>
</tr>
<tr>
<td>Burst pressure</td>
<td>300% of operating pressures</td>
</tr>
</tbody>
</table>

Other Parameters

<table>
<thead>
<tr>
<th>Inlet/outlet connectors</th>
<th>1/4, 3/8 or 1/2 inch face seal or tube weld</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonnet port</td>
<td>1/8 inch NPT</td>
</tr>
<tr>
<td>Flow coefficient (Cv)</td>
<td>0.23</td>
</tr>
<tr>
<td>Internal volume</td>
<td>1.2 in³ (19.7 cm³)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40° to +160°F (-40° to +71°C)*</td>
</tr>
<tr>
<td>Surface finish</td>
<td>10 µin (0.25 µm) Ra max standard; 7 µin (0.18 µm); and 5 µin (0.13 µm) optional</td>
</tr>
<tr>
<td>Inboard leakage</td>
<td>2 x 10⁻¹⁰ sccs</td>
</tr>
<tr>
<td>Outboard leakage</td>
<td>2 x 10⁻⁹ sccs He at 1,000 psig inlet pressure</td>
</tr>
<tr>
<td>Leakage across seat</td>
<td>4 x 10⁻⁸ sccs He at 1,000 psig inlet pressure</td>
</tr>
<tr>
<td>Installation</td>
<td>surface or panel (optional)</td>
</tr>
<tr>
<td>Supply pressure effect</td>
<td>1.6 psig per 100 psig source pressure change</td>
</tr>
</tbody>
</table>

*VS option 14° to 194°F (-10° to +90°C).

Materials

<table>
<thead>
<tr>
<th>Type of Service</th>
<th>Series SL 5400 S Noncorrosive</th>
<th>Series SL 5400 SH Corrosive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetted Parts</td>
<td>SS 316L secondary remelt</td>
<td>SS 316L secondary remelt</td>
</tr>
<tr>
<td></td>
<td>SS 316L</td>
<td>SS 316L</td>
</tr>
<tr>
<td></td>
<td>stainless steel 316L</td>
<td>Ni-Cr-Mo alloy / UNS N06022</td>
</tr>
<tr>
<td></td>
<td>electropolished and passivated</td>
<td>electropolished and passivated</td>
</tr>
<tr>
<td></td>
<td>PCTFE (Polyimide optional)</td>
<td>PCTFE</td>
</tr>
</tbody>
</table>

All specifications subject to change without notice.
CAUTION: Product selection is the sole responsibility of the user, regardless of any recommendations or suggestions made by the factory. The user shall make selections based upon their own analysis and testing with regard to function, material compatibility and product ratings. Proper installation, operation and maintenance are also required to assure safe, trouble free performance.

AP Tech has product options and variations which are not documented in data sheets. If you have a model number that is not defined by the ordering information, please consult the factory or your local representative.