Stainless Steel Line Models (Threadless Seat)

**Description:** This series of stainless steel high-purity, single-stage line regulators is recommended for applications where diffusion resistance is required. These regulators are recommended for use on low-pressure pipelines serving gas chromatographs, mass spectrometers, research sampling systems, and semiconductor processing.

The specially-designed, convoluted Hastelloy C-22 diaphragm provides accurate, stable delivery pressure and is capable of withstanding internal vacuum purging. These units are easily mounted to panels using the optional panel-mount nuts with the threaded bonnet. Two 10 x 32 UNF-threaded holes in the body allow for bracket or external panel mounting. The optional bonnet vent adaptor allows venting of hazardous gases in the event of diaphragm failure.

**Specifications**

<table>
<thead>
<tr>
<th>Material</th>
<th>Max Inlet Pressure (psig)</th>
<th>Max Outlet Pressure (psig)</th>
<th>Capacity (scfh @ Max Del. Pressure)</th>
<th>Delivery Gauge Range (psig)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y11-C441AA</td>
<td>316 SS</td>
<td>1,250</td>
<td>10</td>
<td>440</td>
</tr>
<tr>
<td>Y11-C441A</td>
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<td>600</td>
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<td>60</td>
<td>1,080</td>
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<td>100</td>
<td>1,140</td>
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<td>Y11-C441F</td>
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<td>250</td>
<td>1,750</td>
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</tbody>
</table>

**Materials**

- **Body:** 316 Stainless Steel
- **Bonnet:** Nickel Plated Brass
- **Seat:** PCTFE
- **Diaphragm:** Hastelloy C-22
- **Gauge:** 2 1/2“ Stainless Steel
- **Filter:** 316 Stainless Steel
- **Trim:** 316 Stainless Steel
- **Poppet Spring:** Inconel

**Available Options**

- **Y99-CHROMNUTV:** Panel Mounting Nut
- **Y99-BONNETADP:** Bonnet Vent Adaptor
- **Y15-418984:** Wall Mount Bracket
- **Y99-26460:** ½“ MNPT x ⅜“ Compression