Description
BeaconMedæs high purity drop stations are equipped with a stainless steel ball valve and a chrome-plated regulator providing a sleek, uniform, metallic look. The compression ends of the valve allow for installation with either copper or stainless steel tubing.

The quality of components and their cleanliness maintains gas integrity. The 2000 psi rated ball valve has an extremely low leak rate. It comes with a high purity stainless steel diaphragm regulator. Finally, all components (fittings, regulator, valve and pipe) are thoroughly cleaned.

The HPDS can be ordered with an optional bright dipped, silver brazed, copper pipe extension. This pipe extension greatly helps to transition from the valve to a ½”(5/8” O.D.) NPS copper pipe. The pipe extension can be brazed to the main pipeline.

Key Features

Easy to Install
Can be installed to a copper pipe, a copper tube or a stainless steel tube with the same design

Metallic Smooth Finish
Provides a high tech look and easy to clean surface

Stainless steel diaphragm regulator
Eliminates “off gassing” associated with neoprene diaphragms into the gas stream

High Pressure Ball Valve
Minimizes atmospheric gas diffusion into the gas stream often associated with medical ball valves

Ordering Information

<table>
<thead>
<tr>
<th>Delivery Pressure</th>
<th>Inscribe</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-15 psi (0-30 psi gauge)</td>
<td>15</td>
</tr>
<tr>
<td>0-50 psi (0-100 psi gauge)</td>
<td>50</td>
</tr>
<tr>
<td>0-125 psi (0-200 psi gauge)</td>
<td>125</td>
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<tr>
<td>0-250 psi (0-400 psi gauge)</td>
<td>250</td>
</tr>
<tr>
<td>0-500 psi (0-1000 psi gauge)</td>
<td>500</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Option</th>
<th>Inscribe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color Coded Valve Handle*</td>
<td>CVH</td>
</tr>
<tr>
<td>Mounting Panel</td>
<td>MP</td>
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</tbody>
</table>

*Price for the color coded valve lever option is based upon quantity. Consult BeaconMedæs for details.

Leaves Blank if None

Copper Pipe Extension CPE
High Purity Drop Station

Configurations & Installation

**STRUT-MOUNT CLAMP**

Strut-Mount Clamps are the preferred choice for copper pipes.

**STRUT-MOUNT SUPPORT**

Supports are a great choice for tubing (or piping) where vibration is a problem.

**PANEL MOUNTED**

Mounting panels can be installed directly to a wall or to a strut.

Model Shown: HPDS-15-CPE (Qty=3)

Model Shown: HPDS-15 (Qty = 3)

Model Shown: HPDS-15-MP (Qty = 3)
High Purity Drop Station

Dimensions

Approximate dimensions

Specifications

- Maximum Inlet Pressure: 200 PSIG (w/o Copper Extension)
- Flow Coefficient: 0.17
- Operating Temperature: -40°F to 140°F
- Gauge Diameter: 2" dial
- Delivery Pressures and Related Gauges: See Part Number Matrix

Materials

<table>
<thead>
<tr>
<th>Component</th>
<th>Material</th>
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</thead>
<tbody>
<tr>
<td>Regulator Body</td>
<td>Chrome-plated forged brass</td>
</tr>
<tr>
<td>Diaphragm</td>
<td>302 stainless steel</td>
</tr>
<tr>
<td>Valve Ball</td>
<td>316 stainless steel</td>
</tr>
<tr>
<td>Valve Body</td>
<td>316 Stainless Steel</td>
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<tr>
<td>Pipe Extension</td>
<td>Copper</td>
</tr>
<tr>
<td>Fittings</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td>Mounting Panel</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

Plumbing

(With Copper Pipe Extension)

Gas from pipeline

PIPE DROP FROM MAIN PIPE (by Others)

BRAZE

COUPLING (by Others)

OUTLET

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