- Hydraulically separates primary and secondary circuits.
- Separates and vents air from the system.
- Separates and collects impurities in the circuits.
- Provides ease of installation. No complicated piping.
- Available in 1” to 4” connections.
- Epoxy resin painted steel body with brass air vents and drain valve.

PSH
Primary Secondary Header
Bell & Gossett PSH- Primary/Secondary Header

Operating Data

With Insulation
- Working pressure: 150 PSI
- Operating temperature Threaded: 32° - 210°F
- Operating temperature Flanged: 32° - 220°F

Without Insulation
- Working pressure: 150 PSI
- Operating temperature Threaded and Flanged: 32° - 230°F

Description

The B&G low-loss header, Model PSH, is a combination air separator and manifold that creates independent primary and secondary circuits. The B&G Model PSH is equipped with a purge valve allowing the user to remove any debris deposited on the bottom of the vessel and an air vent releasing trapped air in the system. The insulation, which is provided as a standard, prevents water vapors entering from the outside and eliminates the formation of condensate on the PSH body.

Flow Rate, Dimension and Weight

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Part Number</th>
<th>Connection Size Inches (mm)</th>
<th>Max Flow GPM (m³/h)</th>
<th>A Inches (mm)</th>
<th>B Inches (mm)</th>
<th>C - Drain Connection Size Inches (mm) NPT</th>
<th>Weight LBS (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSH-1</td>
<td>112465</td>
<td>1 (25.4)</td>
<td>11 (2.5)</td>
<td>24-3/8 (619)</td>
<td>1/2 (12.7)</td>
<td>6.0 (2.7)</td>
<td></td>
</tr>
<tr>
<td>PSH-1.25</td>
<td>112466</td>
<td>1-1/4 (31.75)</td>
<td>18 (4)</td>
<td>26-3/4 (679)</td>
<td>1/2 (12.7)</td>
<td>8.3 (3.8)</td>
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<tr>
<td>PSH-1.5</td>
<td>112467</td>
<td>1-1/2 (38.1)</td>
<td>26 (6)</td>
<td>28-1/3 (719)</td>
<td>1/2 (12.7)</td>
<td>12.6 (5.7)</td>
<td></td>
</tr>
<tr>
<td>PSH-2</td>
<td>112468</td>
<td>2 (50.8)</td>
<td>40 (9)</td>
<td>42 (1069)</td>
<td>1-1/4 (31.7)</td>
<td>78.7 (35.7)</td>
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</tr>
<tr>
<td>PSH-2.5</td>
<td>112469</td>
<td>2-1/2 (63.5)</td>
<td>80 (18)</td>
<td>42 (1069)</td>
<td>1-1/4 (31.7)</td>
<td>87.7 (39.8)</td>
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<tr>
<td>PSH-3</td>
<td>112470</td>
<td>3 (76.2)</td>
<td>124 (28)</td>
<td>50-3/8 (1279)</td>
<td>1-1/4 (31.7)</td>
<td>108.0 (49)</td>
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</tr>
<tr>
<td>PSH-4</td>
<td>112471</td>
<td>4 (101.6)</td>
<td>247 (56)</td>
<td>50-3/8 (1279)</td>
<td>1-1/4 (31.7)</td>
<td>116.8 (53)</td>
<td></td>
</tr>
</tbody>
</table>

Installation

The B&G PSH saves time and money by simplifying the piping associated with traditional primary/secondary systems.

Materials of Construction

- Body: Steel
- Air Vent: Brass
- Drain Valve: Brass
- Insulation-Threaded: PEX
- Insulation-Flanged: Polyurethane Foam

Connection

- 1”, 1-1/4” and 1-1/2” Female NPT
- 2”, 2-1/2”, 3” and 4” ANSI 150 CLASS Flange