FREE FLOAT STEAM TRAP
MODEL JH3LX/JH3LB

STAINLESS STEEL FREE FLOAT AND THERMOSTATIC STEAM TRAPS WITH THREE-POINT SEATING

Benefits
Inline repairable stainless steel traps with tight shut-off for drainage of superheated high pressure steam mains, turbines, and process heaters.
1. Constant water seal and unique three-point seating ensure perfect steam-tight seal, even under no-load conditions.
2. Easy, inline access to internals to simplify cleaning and lower maintenance costs.
3. Up to 1740 psig hydraulic shock rating ensures excellent resistance of the float to water hammer.
4. Durable air vent provides exceptional performance.
5. Extremely soft near-to-steam, temperature discharge for safety and environmental considerations.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>JH3LX</th>
<th>JH3LB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection</td>
<td>Screwed</td>
<td>Socket Weld</td>
</tr>
<tr>
<td>Orifice No.</td>
<td>2, 5, 10, 14, 22, 32</td>
<td>2, 5, 10, 14, 22, 32</td>
</tr>
<tr>
<td>Minimum Operating Pressure (psig) PMO</td>
<td>30, 75, 150, 200, 315, 450</td>
<td>30, 75, 150, 200, 315, 450</td>
</tr>
<tr>
<td>Maximum Operating Temperature (°F) TMO</td>
<td>450</td>
<td>450</td>
</tr>
<tr>
<td>Maximum Allowable Pressure (psig) PMA</td>
<td>662</td>
<td>662</td>
</tr>
<tr>
<td>Maximum Allowable Temperature (°F) TMA</td>
<td>662</td>
<td>662</td>
</tr>
<tr>
<td>Type of Air Vent</td>
<td>X-element</td>
<td>X-element</td>
</tr>
</tbody>
</table>

To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

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U.S. Pat. 5,197,669 (JH3LX)
Consulting & Engineering Service

Dimensions

- JH3LX/JH3LB Screwed
  - Dimensions
  - JH3LX/JH3LB Socket Weld
  - Dimensions
  - JH3LX/JH3LB Flanged
  - Dimensions

Discharge Capacity

- JH3LX
  - Discharge Capacity vs. Differential Pressure
  - Chart

- JH3LB
  - Discharge Capacity vs. Differential Pressure
  - Chart

1. Line numbers within the graph refer to orifice numbers.
2. Differential pressure is the difference between the inlet and outlet pressure of the trap.
3. Capacities are based on continuous discharge of condensate 11°F below saturated steam temperature.
4. Recommended safety factor: at least 1.5.

CAUTION
DO NOT use traps under conditions that exceed maximum differential pressure, as condensate backup will occur!

TLV CORPORATION
13901 South Lakes Drive, Charlotte, NC 28273-6790
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E-mail: tlv@tlvengineering.com
For Technical Service 1-800 "TLV TRAP"

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Specifications subject to change without notice.

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