SPECIFICATIONS
FLOAT AND THERMOSTATIC
BODY AND COVER: CAST IRON 30,000 PSI TENSILE
VALVE PIN AND SEAT: STAINLESS STEEL (HARDENED)
FLOAT: STAINLESS STEEL
LEVER ASSEMBLY: STAINLESS STEEL
THERMOSTATIC AIR VENT: STAINLESS STEEL CAGE AND THERMAL ELEMENT
COVER BOLTS: GRADE 5

DIMENSIONS in (mm)

<table>
<thead>
<tr>
<th>PART #</th>
<th>CONN. SIZE (IN.)</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>WEIGHT LBS (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>99136-7</td>
<td>1-1/4</td>
<td>4-1/4</td>
<td>8-5/16</td>
<td>8-9/16</td>
<td>3</td>
<td>3-3/8</td>
<td>2</td>
<td>45/64</td>
<td>1-3/8</td>
<td>18 (6)</td>
<td></td>
</tr>
<tr>
<td>99136-8</td>
<td>2</td>
<td>7-3/16</td>
<td>10-1/8</td>
<td>10-1/2</td>
<td>4-15/16</td>
<td>2-11/16</td>
<td>3-1/4</td>
<td>1/2</td>
<td>33 (15)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>99136-9</td>
<td>(SEE NOTE)</td>
<td>2</td>
<td>10</td>
<td>15</td>
<td>15-1/2</td>
<td>6-5/8</td>
<td>4-3/4</td>
<td>3-1/2</td>
<td>108 (49)</td>
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<td></td>
</tr>
</tbody>
</table>

Capacities (Gross Ratings)

<table>
<thead>
<tr>
<th>PART #</th>
<th>CONNECTION SIZE in.</th>
<th>ORIFICE SIZE in. (mm)</th>
<th>1/4 (0.017)</th>
<th>1/2 (0.035)</th>
<th>1 (0.07)</th>
<th>2 (0.14)</th>
<th>5 (0.35)</th>
<th>10 (0.69)</th>
<th>15 (1.0)</th>
<th>20 (1.4)</th>
<th>25 (1.69)</th>
</tr>
</thead>
<tbody>
<tr>
<td>99136-7</td>
<td>1-1/4</td>
<td>.312</td>
<td>600 (272)</td>
<td>800 (363)</td>
<td>1040 (470)</td>
<td>1410 (640)</td>
<td>2200 (1000)</td>
<td>3100 (1405)</td>
<td>3800 (1725)</td>
<td>4100 (1860)</td>
<td>4500 (2040)</td>
</tr>
<tr>
<td>99136-8</td>
<td>2</td>
<td>.390</td>
<td>1000 (453)</td>
<td>1350 (612)</td>
<td>1700 (771)</td>
<td>2150 (975)</td>
<td>2950 (1338)</td>
<td>3600 (1632)</td>
<td>4300 (1950)</td>
<td>4850 (2199)</td>
<td>5400 (2449)</td>
</tr>
<tr>
<td>99136-9</td>
<td>(SEE NOTE)</td>
<td>.685</td>
<td>2550 (1156)</td>
<td>3150 (1428)</td>
<td>4300 (1930)</td>
<td>5450 (2472)</td>
<td>7600 (3447)</td>
<td>10400 (4717)</td>
<td>11400 (5171)</td>
<td>12500 (5670)</td>
<td>13500 (5923)</td>
</tr>
</tbody>
</table>

Selection Guide:
- Maximum steam pressure TO THE CONTROL VALVE = 75 PSI.
- Select the Trap based on the following Pressure Differentials and Factor of Safety:

Steam Pressure TO HEAT EXCHANGER (OUTLET of Control Valve) | Pressure Differential to Use for Steam Trap Selection | Factor of Safety to Use for Steam Trap Selection
--------|------------------------------------------------------|--------------------------------------------------|
up to 15 psi | 1/2 psi (1-1/4" SIZE) 1 psi (2" SIZE) | 1.5 |
16 - 30 psi | 5 psi | 1.5 |
31-50 psi | 15 psi | 1.5 |
51-70 psi | 26 psi | 1.5 |

NOTE:
The inlet connection of 99136-9 is vertically higher (~10.25") than the condensate outlet of the SWDW24 (~9"). The SWDW24 must be installed on a concrete pad to accommodate this trap.

IMPORTANT:
- Discharge piping from the steam trap must drain by gravity/downhill to atmosphere or vented receiver.
- Do NOT drain to condensate return system or any system that will cause lift/backpressure.