Improved Performance – Less Maintenance

Easy Maintenance
All internal parts can be accessed by removing the trap cover.

Labor-Saving Design
A unique nipple is incorporated into the trap inlet to facilitate installation and removal of the trap with wrenches and channel-locks.

Radiator Trap RT3A

<table>
<thead>
<tr>
<th>Discharge Capacity (lb/h)</th>
<th>Differential Pressure (psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>500</td>
<td>0.1</td>
</tr>
<tr>
<td>3000</td>
<td>0.3</td>
</tr>
<tr>
<td>2000</td>
<td>0.5</td>
</tr>
<tr>
<td>1000</td>
<td>1</td>
</tr>
<tr>
<td>500</td>
<td>2</td>
</tr>
<tr>
<td>200</td>
<td>5</td>
</tr>
<tr>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>100</td>
<td>20</td>
</tr>
<tr>
<td>50</td>
<td>30</td>
</tr>
<tr>
<td>25</td>
<td>45</td>
</tr>
</tbody>
</table>

Body Material
Brass

Connection
Screwed

Size
\( \frac{1}{4}, \frac{3}{8}'' \)

Max. Operating Pressure
PMO 45 psig

Min. Operating Pressure
1.5 psig

Max. Operating Temperature
TMO 292 °F

Max. Allowable Pressure
PMA 45 psig

Max. Allowable Temperature
TMA 292 °F

Open-Close Temperature
approx. 203 °F – 212 °F

Operation

1. At low temperatures during start-up, the thermo-element \( A \) is fully retracted, keeping the valve fully open and allowing air and condensate to be discharged.

2. After discharging the initial condensate from start-up, as the condensate temperature rises past approx. 212 °F the thermo-element \( A \) expands and pushes the valve shut.

3. When the temperature of the condensate in the trap drops below approx. 203 °F, the thermo-element \( A \) retracts, discharging condensate. If the temperature rises above approx. 212 °F, the valve shuts again as in step 2.

CAUTION
DO NOT DISASSEMBLE OR REMOVE THIS PRODUCT WHILE IT IS UNDER PRESSURE. Allow internal pressure of this product to equal atmospheric pressure and its surface to cool to room temperature before disassembling or removing. Failure to do so could cause burns or other injury. READ INSTRUCTION MANUAL CAREFULLY.

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