UBP32 Balanced Pressure Thermostatic Steam Trap
(for use with Universal Connectors)

The welded stainless steel element is self-adjusting over the entire operating pressure range and will discharge condensate at approximately 22°F (12°C) below saturated steam temperature. The element is resistant to waterhammer. The connector can be installed in either horizontal or vertical piping, and the trap is easily removed without disturbing the pipework.

Limiting Operating Conditions

Max. Operating Pressure (PMO) 464 psig (32 barg)
Max. Operating Temperature 572°F (300°C) at 450 psig (31 barg)

Pressure Shell Design Conditions

PMA Max. allowable pressure 720 psig/up to 100°F 50 barg/up to 38°C
450 psig/459°F 31 barg/237°C
400 psig/752°F 27 barg/426°C

TMA Max. allowable temperature 752°F/0-400 psig 400°C/0-27 barg

Operating Range

The product must not be used in this region.
The product must not be used in this region as damage to internals may occur.

Capsule Filling
As standard, the trap is supplied with filling for 22°F (12°C), below saturation.
As an optional alternative, a near to steam fill with a 7°F (4°C) below saturation or a sub cooled 40°F (22°C) below saturation version can be supplied.

Note: If the alternative capsule is required, this must be clearly stated on the order.

Typical Applications
Steam tracing systems and steam main drip stations, kitchen and hospital equipment, steam coils, and steam radiators.
**Sample Specification**
Steam trap shall be supplied with a pipeline connector which, once installed, remains in the line permanently. The trap shall be attached to the connector by two bolts, to enable simple and rapid installation and replacement. The connection is designed to allow installation on pipework that is vertical, horizontal or any angle in between. The trap itself shall be maintenance-free and tamper-proof design of all stainless steel construction with forged body and drawn cover completely sealed against leakage. Operating element to be a solidly liquid-filled thermostatic capsule which self adjusts to all pressures to 435 psig. Trap shall vent air freely and withstand waterhammer, freezing and superheat.

**Installation**
The connector can be installed in either horizontal or vertical pipework. Full port isolation valves should be installed upstream and downstream of the connector. Line the threaded holes in the trap up with the holes in the connector. Insert the bolts supplied through the connector and thread into the trap evenly. Torque bolts evenly to 22-26 ft-lbs.

**Maintenance**
This product is factory sealed for tamper-proof operation. Complete isolation from both supply and return line is required before the trap is removed.

Complete installation and maintenance instructions are given in the IMI sheet, which accompanies the product.

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**Dimensions**
(nominal) in inches and millimeters

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>Weight</th>
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<td>1/2&quot;</td>
<td>2.4</td>
<td>2.2</td>
<td>1.3</td>
<td>1.8</td>
<td>2.7</td>
<td>3.0</td>
<td>3.5 lb</td>
</tr>
<tr>
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<td>5.6</td>
<td>33</td>
<td>46</td>
<td>69</td>
<td>76</td>
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<tr>
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<tr>
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<td>46</td>
<td>69</td>
<td>104</td>
<td>9.26 kg</td>
</tr>
</tbody>
</table>

The connector may be rotated to any position.

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**Spare Parts**

Connector Screw & Gasket Set A, B, C

Available spare parts are shown in heavy outline. Parts drawn in broken line are not supplied as spares.