TD10
Thermodynamic Steam Trap

Description
The TD10 is a miniature thermodynamic disc trap designed specifically for draining small steam users like steam irons and instrument tracers.

Sizes and pipe connections
¼" swagelock outlet / BSP inlet (union and ferrule not supplied).
¼" BSP taper male inlet / BSP outlet.

Limiting conditions
Body design conditions
PMA - Maximum allowable pressure 16 bar g
TMA - Maximum allowable temperature 350°C
PMO - Maximum operating pressure 10 bar g
TMO - Maximum operating temperature 350°C
PMOB - Maximum operating back pressure must not exceed 50% of the upstream pressure.

Operating range

<table>
<thead>
<tr>
<th>Temperature °C</th>
<th>Pressure bar g</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>0</td>
</tr>
<tr>
<td>250</td>
<td>1</td>
</tr>
<tr>
<td>300</td>
<td>2</td>
</tr>
</tbody>
</table>

The product must not be used in this region.

* PMO - Maximum operating pressure recommended 10 bar g.
  PMOB - Maximum operating back pressure 50% of upstream pressure.

Materials

<table>
<thead>
<tr>
<th>No.</th>
<th>Part</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Body</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>2</td>
<td>Cap</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>3</td>
<td>Disc</td>
<td>Stainless steel</td>
</tr>
</tbody>
</table>

Certification
This product is available with certification to EN 10204 2.2.

Note: All certification/inspection requirements must be stated at the time of order placement.
Dimensions/weight (approximately) in mm and kg

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>¼&quot;</td>
<td>39.5</td>
<td>29.5</td>
<td>18.5</td>
<td>10</td>
<td>0.7</td>
</tr>
</tbody>
</table>

D Withdrawal distance

Capacities

Safety information, installation and maintenance
For full details see the Installation and Maintenance Instructions (IM-P068-31) supplied with the product.
The trap should preferably be installed in the horizontal plane, with a
small drop leg proceeding it. Suitable isolation valves must be
installed to allow for safe maintenance and trap replacement.
Where the trap discharges into a closed return system, a non-return
valve should be fitted downstream to prevent return flow.

Disposal
The product is recyclable. No ecological hazard is anticipated with
the disposal of this product, providing due care is taken.

How to order
Example: 1 off ¼" Spirax Sarco TD10 thermodynamic steam trap
with swagelock outlet connection.

Spare parts
There are no available spares for the TD10.

Recommended tightening torques

<table>
<thead>
<tr>
<th>Item</th>
<th>mm or</th>
<th>N m</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>17 A/F</td>
<td>22 - 25</td>
</tr>
</tbody>
</table>