APPLICATION
SafeTrace BTS is a metallic tracer tube covered with a special high temperature polymer jacket. The SafeTrace BTS jacket provides a measure of personnel burn protection without sacrificing thermal performance when compared to bare metal tube tracers installed on a pipe. SafeTrace BTS tracers utilize a safety yellow identification jacket to signify materials potentially dangerous such as steam per ASME/ANSI A13.1-1996.

SafeTrace BTS is supplied in long length coils and may be installed anywhere bare tracing is specified.

SPECIFICATIONS/RATINGS
Available tube diameters .................................. 3/8" & 1/2"
and 10 mm & 12 mm
Available tube materials .................. copper & stainless steel
Typical pipe temperature range ............... 100°F to 250°F
(38°C to 121°C)
Max. exposure temperature .................. 420°F (215°C)
Min. installation temperature .................. -40°F (-40°C)
Max. recommended steam pressure ....... 250 psig (17 bar)

CONSTRUCTION
1. Copper or stainless steel tube
2. Safety yellow polymer jacket

BENEFITS
• Significantly reduces risk of burns
• Superior corrosion resistance to most acids and alkalis
• Simple tape-on installation
• Quick delivery
• Free design assistance

Notes
1. U.S. Patent No. 6,131,617; Foreign Patents pending.
2. Thermen does not purport to address all safety issues, if any, associated with the use of Thermen products when handling steam or other potentially dangerous materials. It is the responsibility of the user to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.
PRODUCT CONFIGURATIONS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Tube Material</th>
<th>Tube Dia. (O.D.)</th>
<th>Wall Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>BTS-3B32</td>
<td>Copper</td>
<td>3/8&quot;</td>
<td>0.032&quot;</td>
</tr>
<tr>
<td>BTS-4B35</td>
<td>Copper</td>
<td>1/2&quot;</td>
<td>0.035&quot;</td>
</tr>
<tr>
<td>BTS-3A35</td>
<td>SS Welded</td>
<td>3/8&quot;</td>
<td>0.035&quot;</td>
</tr>
<tr>
<td>BTS-4A35</td>
<td>SS Welded</td>
<td>1/2&quot;</td>
<td>0.035&quot;</td>
</tr>
<tr>
<td>BTS-3F35</td>
<td>SS Seamless</td>
<td>3/8&quot;</td>
<td>0.035&quot;</td>
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<tr>
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<td>1/2&quot;</td>
<td>0.035&quot;</td>
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<tr>
<td>BTS-10B1</td>
<td>Copper</td>
<td>10 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>BTS-12B1</td>
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<td>1 mm</td>
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</tbody>
</table>

Notes
2. All tracer tubes are available in 0.049" wall thickness; contact Thermon.

BASIC ACCESSORIES

FT-1H fixing tape for circumferential banding of SafeTrace tracer to piping every 12" (300 mm) or as required by code or specification. Tape is 1/2" (13 mm) wide x 108" (33 m) long.

Product Rating
Max. Exposure Temp.......500°F (260°C)
Min. Installation Temp.......-40°F (-40°C)

RELATED MATERIALS
Connections between the steam and condensate headers and the SafeTrace BTS may be accomplished with ThermoTube preinsulated tubing. ThermoTube is available in a variety of configurations to meet the requirements of most applications. For information on ThermoTube preinsulated tubing, refer to Form TSP0009.

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