APPLICATION
SafeTrace SLS-IT is a metallic tracer tube covered with composite materials that lowers thermal conductance to reduce heat transfer. SafeTrace provides a reduced yet predictable heat output along a traced pipe to prevent hot spots and overheating. It replaces bare metallic tracers that often waste energy and stress pipe works by raising pipe temperatures much higher than necessary or desired.

SafeTrace SLS-IT tracers utilize a safety yellow identification jacket to signify materials potentially dangerous such as steam per ASME/ANSI A13.1-1996. All SafeTrace IT tracers also comply with ASTM Std C-1055, which requires that human skin temperature be less than 136.4°F (58°C) when in contact with a hot surface for five seconds.

SafeTrace SLS-IT is supplied in long length coils and may be run continuously from the steam supply manifold, along the pipe and over to the condensate return manifold.

SPECIFICATIONS/RATINGS
Standard tube diameters .................................. 3/8” and 10 mm
Nominal O.D. .................................................... 3/4” (19 mm)
Available tube materials ......copper & 316 stainless steel
Typical pipe temp. range ... 75°F to 200°F (24°C to 93°C)
Max. exposure temperature .................420°F (215°C)
Min. installation temperature ....................-40°F (-40°C)
Max. recommended steam pressure.....250 psig (17 bar)
Typical max jacket temperature............ <136.4°F (58°C)

BENEFITS
• Significantly reduces risk of burns
• Saves up to 35% of steam consumption compared to bare metal tube
• Predictable heat transfer—no hot spots or overheating
• Faster installation times—can be run continuously from the steam supply to the condensate collection system
• Longer circuit lengths—fewer traps
• Simple tape-on installation—not steel banding
• Quick delivery
• Free design assistance

Notes
1. U.S. Patent No. 6,905,566 B1; Foreign Patents pending.
2. Thermon does not purport to address all safety issues, if any, associated with the use of Thermon 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.
3. Based on operating at maximum recommended steam pressure. Temperature derived in accordance with ASTM Std C-1055 and ASTM Std C-1057 (skin temperature after five-second contact).
### TYPICAL STEAM TRACING SYSTEM

**PRODUCT CONFIGURATIONS**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Tube Material¹</th>
<th>Tube Dia. (O.D.)</th>
<th>Wall Thickness²</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLS-IT-3B32</td>
<td>Copper</td>
<td>3/8”</td>
<td>0.032”</td>
</tr>
<tr>
<td>SLS-IT-3A35</td>
<td>SS Welded</td>
<td>3/8”</td>
<td>0.035”</td>
</tr>
<tr>
<td>SLS-IT-3F35</td>
<td>SS Seamless</td>
<td>3/8”</td>
<td>0.035”</td>
</tr>
<tr>
<td>SLS-IT-10B1</td>
<td>Copper</td>
<td>10 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>SLS-IT-10A1</td>
<td>SS Welded</td>
<td>10 mm</td>
<td>1 mm</td>
</tr>
<tr>
<td>SLS-IT-10F1</td>
<td>SS Seamless</td>
<td>10 mm</td>
<td>1 mm</td>
</tr>
</tbody>
</table>

**Notes**

2. SLS also available with 1/2” and 12mm diameter tubing and 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)

**FAK-7** each kit contains a roll of self-vulcanizing silicone rubber tape and RTV sealant. The kit contains sufficient materials to waterproof approximately six terminations. No heat gun or special tools are needed for installation.

**Product Rating**

Max. Exposure Temp......400°F (204°C)
Min. Application Temp......-64°F (-54°C)