

SafeTrace®

DLS-IT Steam Tracer

Product Specifications

Application . . .

SafeTrace DLS-IT is a metallic tracer tube covered with composite materials¹ that lower thermal conductance to reduce heat output and temperature. SafeTrace provides a reduced yet predictable heat output along a traced pipe while preventing hot spots and overheating. It replaces bare metallic tracers that waste energy and stress pipe works by raising pipe temperatures much higher than desired. SafeTrace DLS-IT tracers utilise a safety yellow identification jacket² to signify materials inherently 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 58°C when in contact with a hot surface for five seconds.

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

Specifications/Ratings . . .

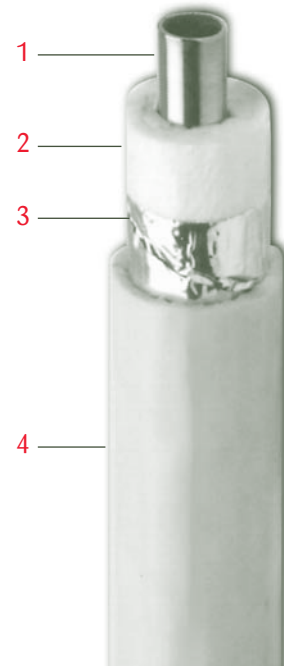
Available tube diameters.....3/8" & 10 mm
 Nominal O.D..... 25 mm
 Available tube materialscopper & stainless steel
 Typical pipe temperature range 5°C to 54°C
 Maximum exposure temperature..... 215°C
 Minimum installation temperature -40°C
 Max. recommended steam pressure 1825 kPa
 Skin contact temperature <58°C³

Benefits . . .

- Significantly reduces risk of burns
- Saves up to 50% of steam consumption compared to bare metal tube
- Predictable heat transfer—no hot spots or overheating
- Lower cost of ownership—can be run continuously from the steam supply to the condensate collection system
- Simple tape-on installation
- Quick delivery
- Free design assistance

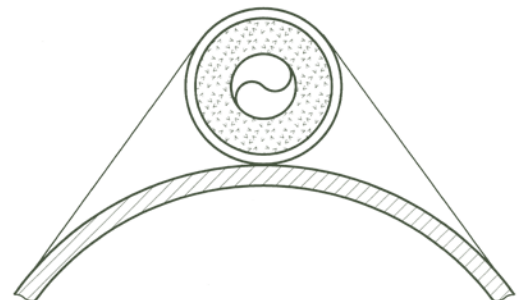
Notes . . .

1. Patents pending.
2. Thermon does not purport to address all of the safety issues, if any, associated with the use of Thermon products when handling steam or other dangerous materials. It is the responsibility of the user to establish appropriate practices to ensure compliance with local health and safety legislation.
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).



Construction . . .

- 1 Copper or Stainless Steel Tube
- 2 Thermal Retardant
- 3 Heat Reflective Tape
- 4 Safety Yellow Polymer Jacket



Typical DLS-IT Cross Section
 (Tracer attached to pipe with FT-1H tape)



THERMON . . . The Heat Tracing Specialists®
 www.thermon.com

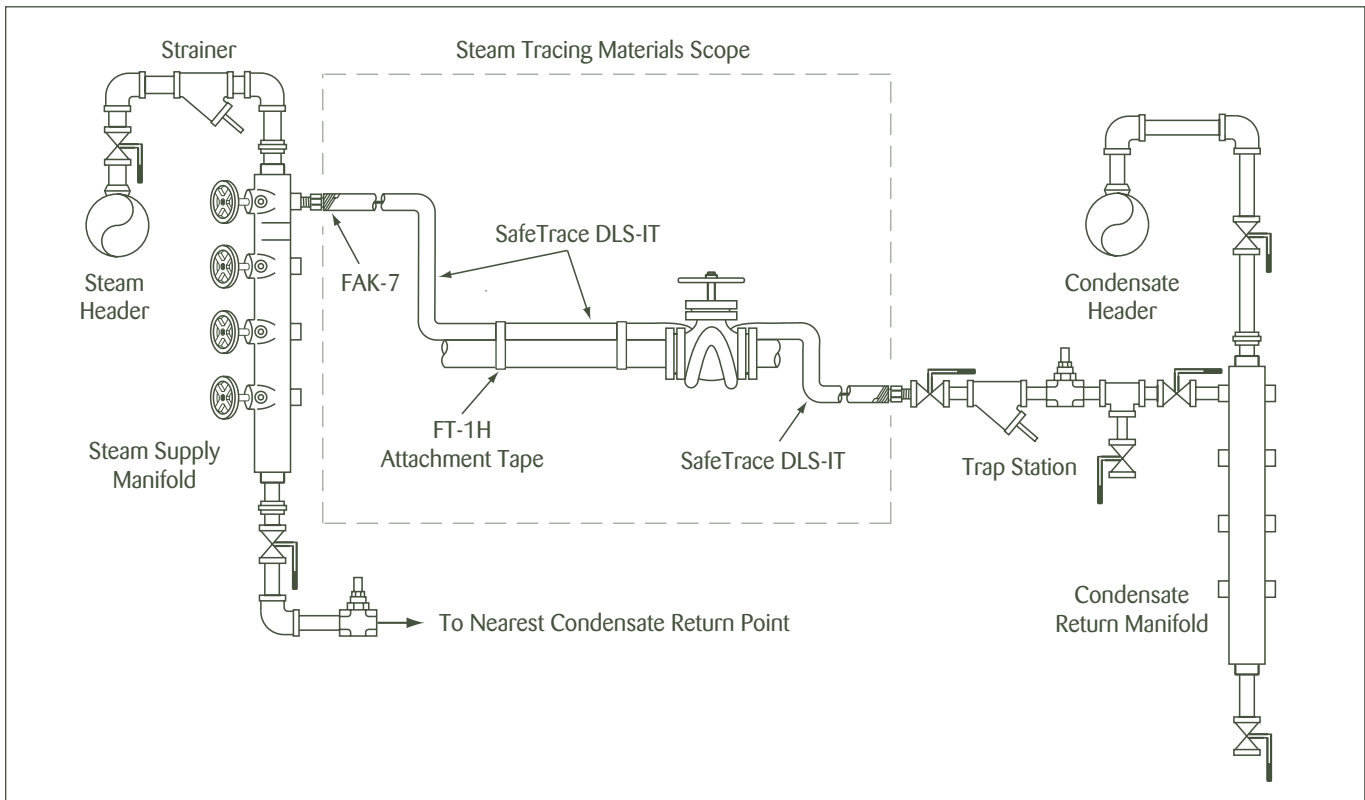
European Headquarters
 Boezemweg 25 • PO Box 205
 2640 AE Pijnacker • The Netherlands
 Phone: +31 (0) 15-36 15 370

Corporate Headquarters
 100 Thermon Dr. • PO Box 609
 San Marcos, TX 78667-0609 • USA
 Phone: +1 512-396-5801

For the Thermon office nearest you
 visit us at . . .
www.thermon.com



Typical Steam Tracing System . . .



Product Configurations . . .

Product Type	Tube Material ¹	Tube Dia. (O.D.)	Wall Thickness
DLS-IT-3B32	Copper	3/8"	0.032"
DLS-IT-3A35	SS Welded	3/8"	0.035"
DLS-IT-3F35	SS Seamless	3/8"	0.035"
DLS-IT-10B1	Copper	10 mm	1 mm
DLS-IT-10A1	SS Welded	10 mm	1 mm
DLS-IT-10F1	SS Seamless	10 mm	1 mm

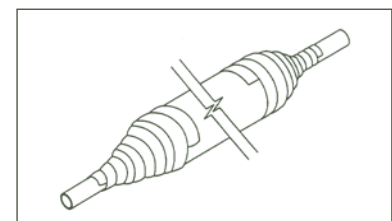
Notes . . .

1. Copper tubing meets ASTM Std B68-B75. Stainless steel tubing meets ASTM Std A269.
2. All imperial tubes are available in 0.049" wall thickness; contact Thermon.

Basic Accessories . . .



FT-1H...polyester fibre tape for circumferential banding of SafeTrace DLS-IT to piping every 30 cm or as required by code or specification. Tape is 12 mm wide x 33 m long and has a maximum exposure temperature of 260°C.



FAK-7...end termination kit contains a roll of self-vulcanising silicone rubber tape and RTV sealant (sufficient materials to waterproof approximately six terminations). No heat gun or special tools are needed for installation. The FAK-7 has a maximum exposure temperature of 204°C.

