



PRODUCT SPECIFICATIONS

SafeTrace[®] BTS STEAM TRACER

APPLICATION

SafeTrace BTS is a metallic tracer tube covered with a special high temperature polymer jacket¹. 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 jacket² 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)

BENEFITS

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

Notes

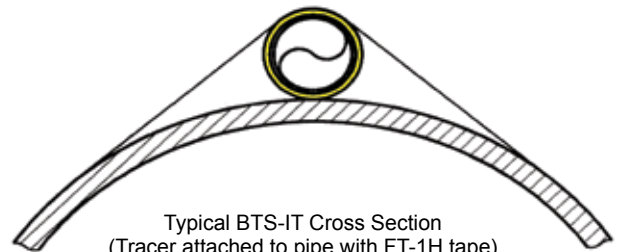
1. U.S. Patent No. 6,131,617; Foreign Patents pending.

2. 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.



CONSTRUCTION

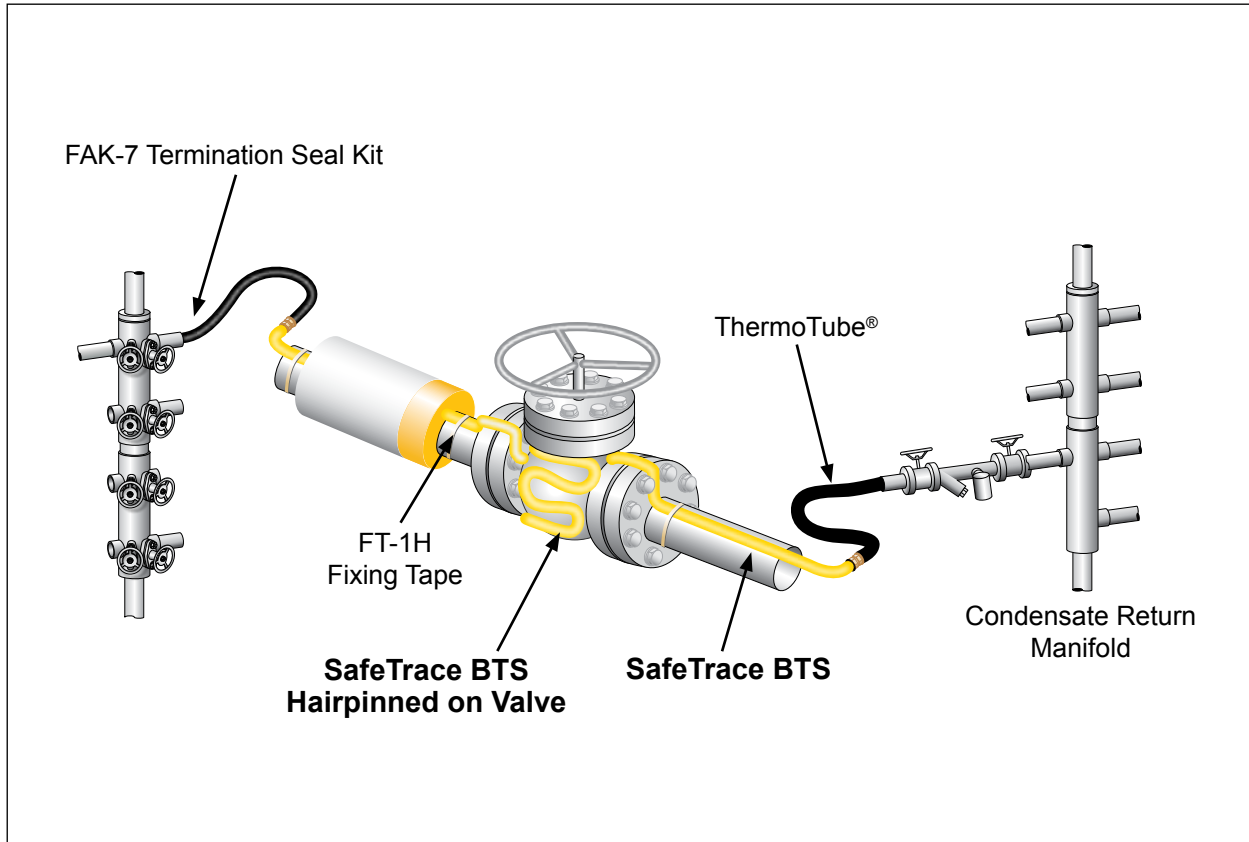
1. Copper or stainless steel tube
2. Safety yellow polymer jacket



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



TYPICAL STEAM TRACING SYSTEM



PRODUCT CONFIGURATIONS

Catalog Number	Tube Material ¹	Tube Dia. (O.D.)	Wall Thickness ²
BTS-3B32	Copper	3/8"	0.032"
BTS-4B35	Copper	1/2"	0.035"
BTS-3A35	SS Welded	3/8"	0.035"
BTS-4A35	SS Welded	1/2"	0.035"
BTS-3F35	SS Seamless	3/8"	0.035"
BTS-4F35	SS Seamless	1/2"	0.035"
BTS-10B1	Copper	10 mm	1 mm
BTS-12B1	Copper	12 mm	1 mm
BTS-10A1	SS Welded	10 mm	1 mm
BTS-12A1	SS Welded	12 mm	1 mm
BTS-10F1	SS Seamless	10 mm	1 mm
BTS-12F1	SS Seamless	12 mm	1 mm

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.

Notes

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