

SnapTrace™

Pre-formed Heat Transfer Compound

Product Specifications

Application . . .

SnapTrace is a preformed flexible heat transfer compound designed for rapid, consistent installation on straight piping. SnapTrace includes TFK channel, providing mechanical and weather protection to the installation. Refer to the back of this specification sheet for additional information.

Thermon's heat transfer compounds provide an efficient thermal connection between the tracer and the process equipment. By eliminating the air voids that would ordinarily exist, heat is directed into the pipe wall primarily through conduction rather than convection and radiation. A single tracer utilising Thermon's heat transfer compound has the equivalent performance of three to five air convection (bare) tracers.

Bulk Heat Transfer Compounds can be installed in TFK channels to create a ChannelTrace™ system. While SnapTrace is considered part of the ChannelTrace family, the rapid installation of SnapTrace on straight runs is unique.

Specifications/Ratings . . .

Standard length	preformed 1.22 m sections
Maximum exposure temperature.....	208°C
Minimum exposure temperature	-73°C
Minimum installation temperature	-12°C
Heat transfer coefficient, U	tracer to pipe wall 114-227 W/m ² •°C
Electrical resistivity.....	57 Ohm/cm
Shelf life.....	indefinite
Bond shear	689-1034 kPa
Water-soluble.....	no

Benefits . . .

- Factory-formed to fit the tracer and pipe
- Can be installed up to five times faster than hand trowel compounds
- Nonsoluble in water
- No surface preparation required
- No curing required
- Increases heat transfer rates significantly over bare tracing
- Free design assistance available from Thermon

Note . . .

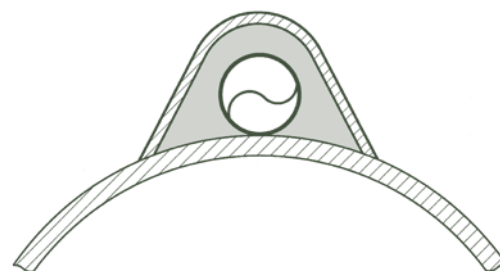
1. If under normal conditions heat transfer fluids are below 93°C, a four-hour start-up procedure should be implemented to circulate fluids ≥ 93°C through the tracers.



Description . . .

SnapTrace sections are shipped in 1.22 m lengths and are packaged 25 sections per box. Each SnapTrace order includes protective TFK channels.

SnapTrace is nonsoluble in most liquids and requires no curing procedures when the heating medium is at or above 93°C¹.



Typical Installed Cross Section
(ChannelTrace system)



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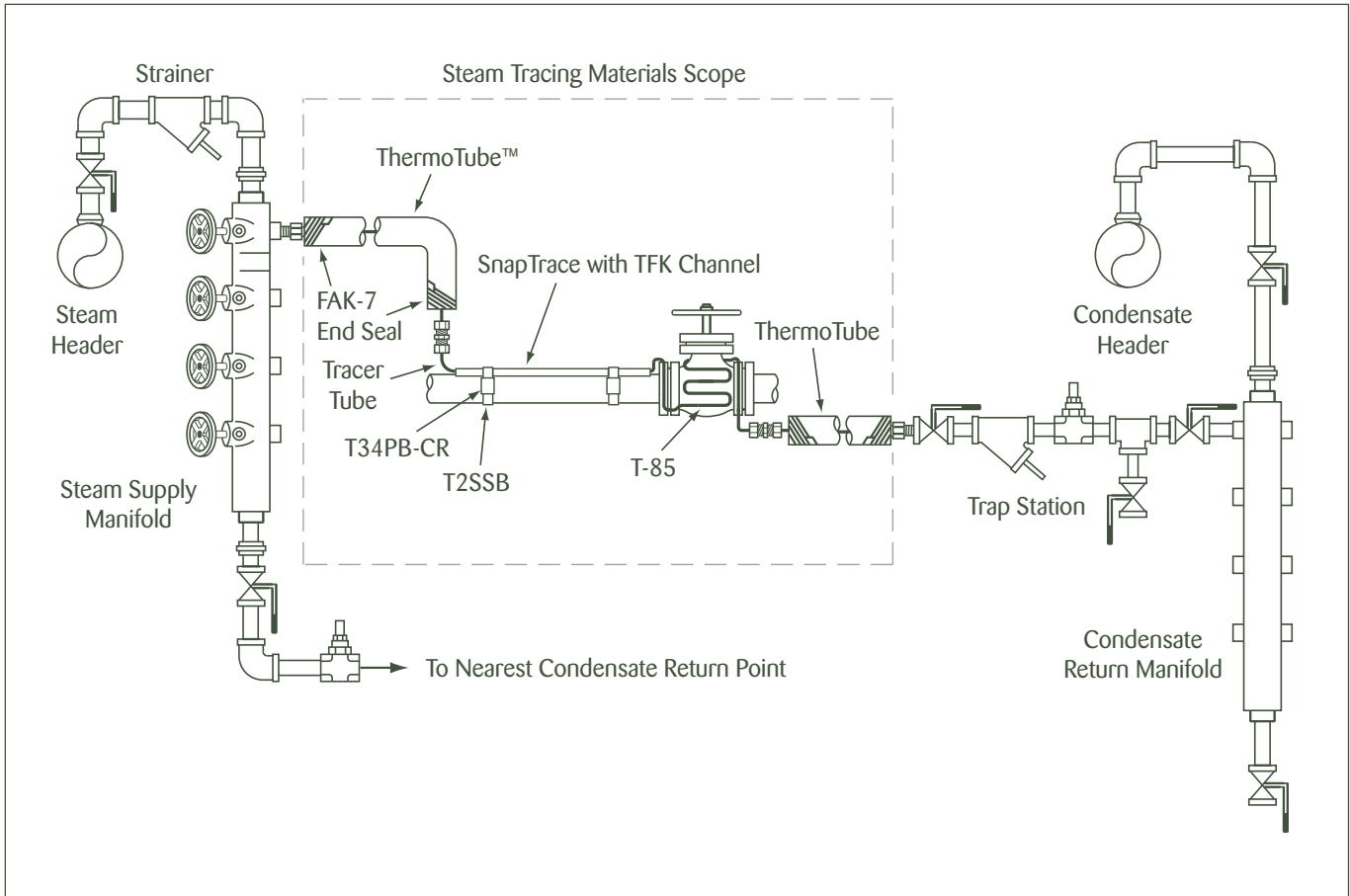
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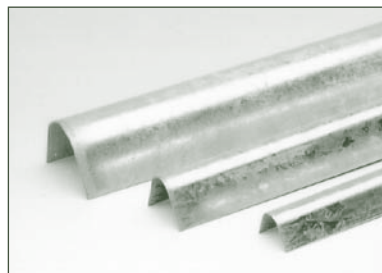
Typical Steam Tracing System . . .



SnapTrace Sizes . . .

Product Type	Description
ST-1	Fits 10 mm O.D. Tracer Tubing for Nominal Pipe Sizes 40 mm or Larger
ST-2	Fits 12 mm O.D. Tracer Tubing for Nominal Pipe Sizes 40 mm or Larger
ST-3	Fits 20 mm O.D. Tracer Tubing for Nominal Pipe Sizes 80 mm or Larger
ST-4	Fits DN 15 or 1/2 inch NPS Pipe Tracers for Nominal Pipe Sizes 80 mm or Larger
ST-5	Fits DN 20 or 3/4 inch NPS Pipe Tracers for Nominal Pipe Sizes 150 mm or Larger
ST-6	Fits DN 25 or 1 inch NPS Pipe Tracers for Nominal Pipe Sizes 150 mm or Larger

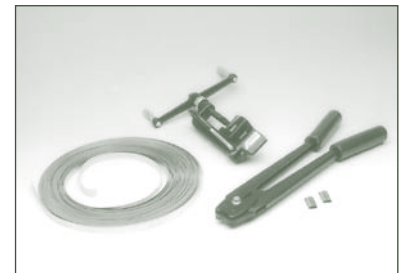
Basic Accessories . . .



TFK-4...galvanised steel channel 30 mm x 21 mm covers SnapTrace heat transfer compound applied to 10 mm and 12 mm O.D. tube tracers.

TFK-7...galvanised steel channel 41 mm x 31 mm covers SnapTrace heat transfer compound applied to 20 mm O.D. tube and DN 15 (1/2 inch NPS) pipe tracers.

TFK-9...galvanised steel channel 64 mm x 44 mm covers SnapTrace heat transfer compound applied to 25 mm O.D. tube and DN 20 or 25 (3/4 or 1 inch NPS) pipe tracers.



Stainless Steel Banding...used to secure tracer, compound and channel to piping.

- **T2SSB** (12 mm wide, 0,5 mm thick) for 10 mm and 12 mm O.D. tube tracers.

- **T3SSB** (12 mm wide, 0,8 mm thick) for 20 mm or 25 mm O.D. tube and DN 20 or 25 (3/4 or 1 inch NPS) pipe tracers.

C001...banding tool for applying tension to T2SSB or T3SSB banding.

1950A...crimping tool for T34PB-CR seals.

T34PB-CR...crimp seals for fastening tensioned banding.