



PRODUCT SPECIFICATIONS

# SnapTrace®

## PREFORMED HEAT TRANSFER COMPOUNDS

### APPLICATION

SnapTrace is a preformed flexible heat transfer compound designed for rapid, consistent installation over steam trace tubing on straight piping. SnapTrace also 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 utilizing Thermon's heat transfer compound has the equivalent performance of three to five (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 and cost effective with rapid installation.

### SPECIFICATIONS/RATINGS

Standard length .....	pre-formed 4' (1.22 m) sections
Maximum exposure temperature.....	406°F (208°C)
Minimum exposure temperature.....	-100°F (-73°C)
Minimum installation temperature .....	10°F (-12°C)
Heat transfer coefficient, U <sub>t</sub> .....	tracer to pipe wall 20-40 Btu/hr•°F•ft <sup>2</sup> (114-227 w/m <sup>2</sup> •°C)
Electrical resistivity .....	146 ohms/inch (57 ohms/cm)
Shelf life.....	indefinite
Bond shear .....	100-150 lbs/in <sup>2</sup> (689-1,034 kPa)
Water-soluble .....	no



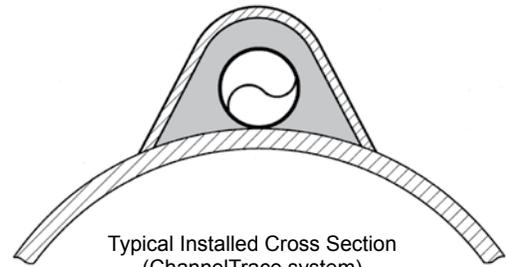
### DESCRIPTION

SnapTrace sections are shipped in 4-foot (1.22 m) lengths and are packaged 25 sections per box. Each SnapTrace order includes protective TFK galvanized steel channels.

SnapTrace is non-soluble in most liquids and requires no curing procedures. 1

### BENEFITS

- Factory-formed to fit the tracer and pipe
- Can be installed up to five times faster than hand troweled compounds
- Non-soluble in water
- No surface preparation required
- No curing required,1
- Increases heat transfer rates significantly over bare tracing
- Free design assistance available from Thermon



Typical Installed Cross Section  
(ChannelTrace system)

#### Note

1. A four-hour start-up procedure should be implemented to circulate fluids > 200°F (93°C) through the tracers to soften the SnapTrace for maximum surface conformance and optimal performance.

### THERMON The Heat Tracing Specialists®

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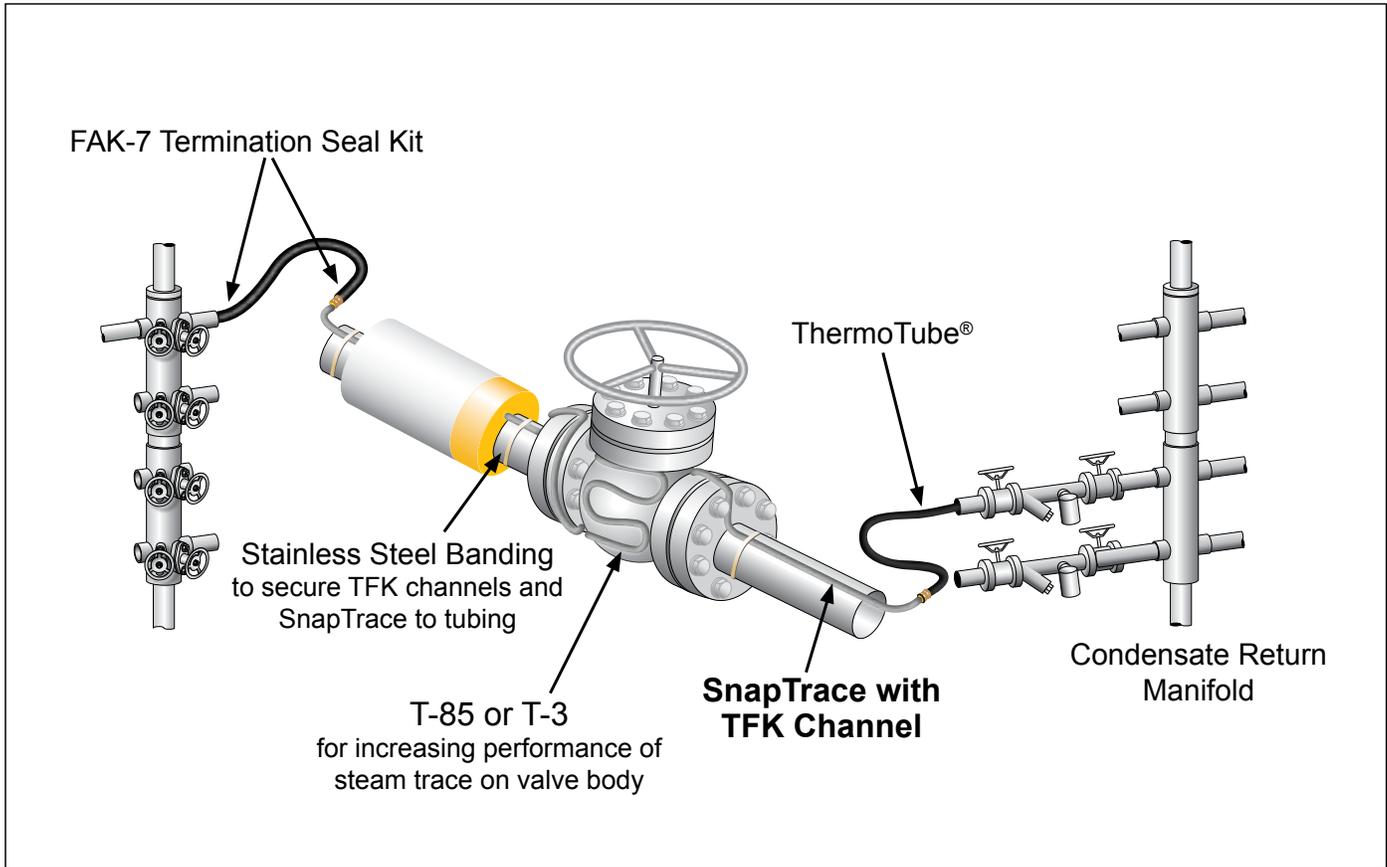


PRODUCT SPECIFICATIONS

**SnapTrace®**

PREFORMED HEAT TRANSFER COMPOUNDS

**TYPICAL STEAM TRACING SYSTEM**



**SNAPTRACE SIZES**

Product Type	Description
ST-1	Fits 3/8" O.D. Tracer Tubing for Nominal Pipe Sizes 1-1/2" or Larger
ST-2	Fits 1/2" O.D. Tracer Tubing for Nominal Pipe Sizes 1-1/2" or Larger
ST-3	Fits 3/4" O.D. Tracer Tubing for Nominal Pipe Sizes 3" or Larger
ST-4	Fits 1/2" NPS Pipe Tracers for Nominal Pipe Sizes 3" or Larger
ST-5	Fits 3/4" NPS Pipe Tracers for Nominal Pipe Sizes 6" or Larger
ST-6	Fits 1" NPS Pipe Tracers for Nominal Pipe Sizes 6" or Larger

**BASIC ACCESSORIES**



**TFK-4** galvanized steel channel 1.18" x .84" (30 mm x 21 mm) covers SnapTrace heat transfer compound applied to 3/8" or 1/2" O.D. tube tracers.

**TFK-7** galvanized steel channel 1.62" x 1.22" (41 mm x 31 mm) covers SnapTrace heat transfer compound applied to 3/4" O.D. tube or 1/2" NPS pipe tracers.

**TFK-9** galvanized steel channel 2.5" x 1.75" (64 mm x 44 mm) covers SnapTrace heat transfer compound applied to 1" O.D. tube and 3/4" or 1" NPS pipe tracers.

Stainless steel TFK channels are also available.



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

- **T2SSB** (.50" x .020") for 3/8" and 1/2" O.D. tube tracers.
- **T3SSB** (.50" x .030") for 3/4" and 1" O.D. tube tracers and 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.