

T-3 Heat Transfer Compound

Product Specifications

Application . . .

T-3 heat transfer compound creates an efficient thermal bond between a steam or electric heater and process pipes or equipment. A single “Thermonized™” steam tracer utilizing Thermon’s heat transfer compound is more cost effective than a contoured clamp-on jacket and has the equivalent performance of three or more bare tracers.

T-3 is typically utilized for applications with maximum exposure temperatures of 371°C. To minimize waste and speed installation, use Thermon’s ChannelTrace™ system featuring TFK channels. The ChannelTrace system provides protection prior to installation of thermal insulation and requires no special curing procedure for the T-3 heat transfer compound under the TFK channel. Refer to the back of this specification sheet for details.

Specifications/Ratings . . .

Container sizes

T-3-1	3.79-liter pail
T-3-2	7.58-liter pail
T-3-5	18.93-liter can
Maximum exposure temperature	371°C
Minimum exposure temperature	-196°C
Minimum installation temperature	0°C
Heat transfer coefficient, U_p , tracer to pipe wall	114-227 $w/m^2 \cdot ^\circ C$
Nominal electrical resistivity	0.86 ohms-cm
Shelf life (unopened)	1 year
Nominal bond shear	1,034 kPa
Water-soluble	yes

Benefits . . .

- Free design assistance for “Thermonized” tracing
- Increase heat transfer rates significantly over bare tracing, reducing number of tracers and steam traps
- Reduce installation time and eliminates waste
- Water-soluble for easy cleanup
- Requires no special curing procedure for tracing under TFK channels

NEW
Re-Sealable
2 Gallon Pail



Description . . .

T-3 is a heat transfer compound that hardens when cured.

Options . . .

TFK steel channel provides additional protection for a “Thermonized” tracer prior to the insulation of the pipe or equipment.

Banding and tools to secure steam tracing (TFK channel and/or tubing) to pipe or equipment.



THERMON . . . The Heat Tracing Specialists®
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ISO 9001
REGISTERED

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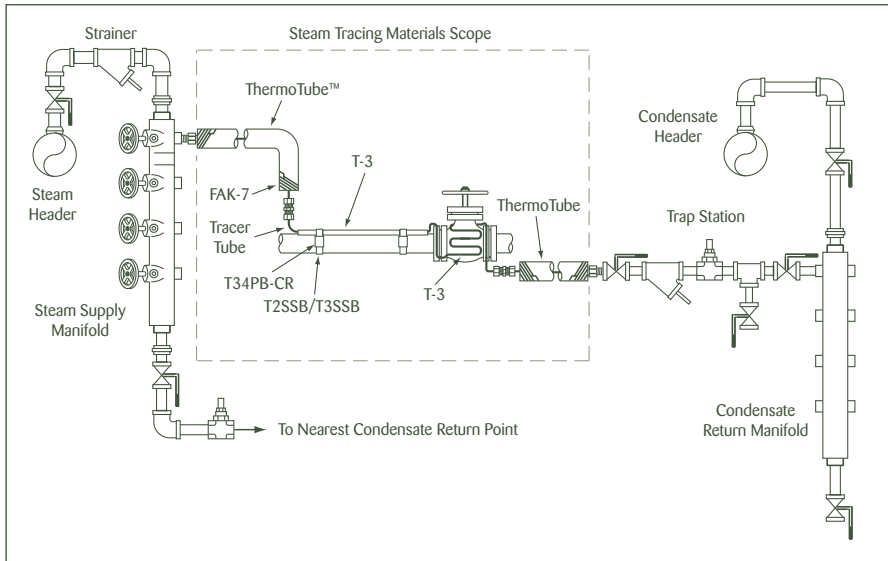
For the Thermon office nearest you
visit us at . . .
www.thermon.com

T-3

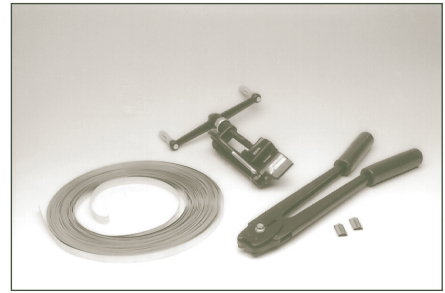
Heat Transfer Compounds

Product Specifications

Typical Steam Tracing System . . .



Basic Accessories . . .



Stainless Steel Banding . . . used to secure tracer 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.

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

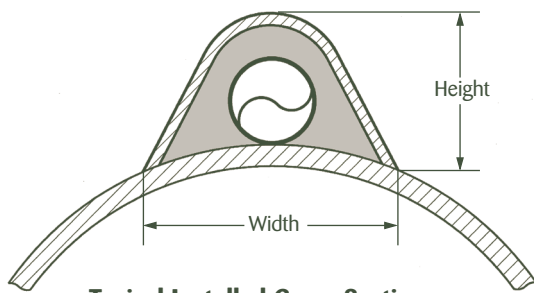
C001 . . . banding tool for applying tension to T2SSB or T3SSB banding.

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

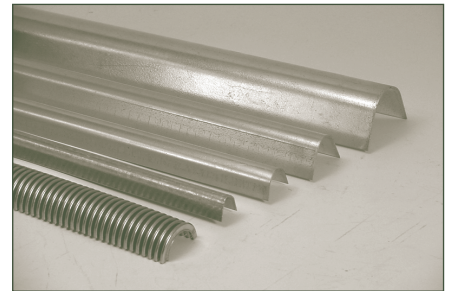
TFK Channel Specifications . . .

Catalog Number	Nominal TFK Channel Dimensions				Channel Material
	Width mm	Height mm	Length m	Thickness mm	
TFK-4	30	21	1.2	1.0	Rigid Galvanized Steel
TFK-6	51	25	1.2	0.7	Flexible Stainless Steel
TFK-7	41	31	1.2	1.0	Rigid Galvanized Steel
TFK-8	17	19	1.2	1.0	Rigid Galvanized Steel
TFK-9	64	44	1.2	1.6	Rigid Galvanized Steel

Note: Galvanized TFK channels are used up to 210°C. Use optional stainless steel channels for higher temperatures.



Typical Installed Cross Section
(ChannelTrace system with TFK Channel)



TFK Channels for ChannelTrace Systems

TFK-4 . . . for 10 mm and 12 mm O.D. tubing.

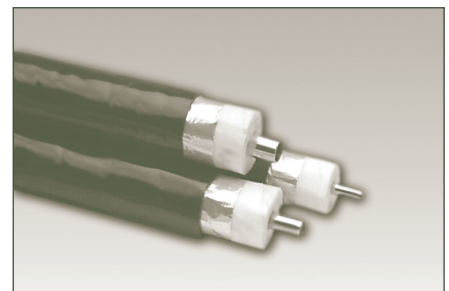
TFK-6 . . . flexible stainless steel for 10 mm - 20 mm tubing.

TFK-7 . . . for 20 mm O.D. tube and DN 15 (1/2 inch NPS) pipe tracers.

TFK-8 . . . for 10 mm tubing on small lines.

TFK-9 . . . for 25 mm O.D. tube and DN 20 or 25 (3/4 or 1 inch NPS) pipe tracers.

(Galvanized steel is standard - contact Thermon for optional stainless steel)



ThermoTube . . . pre-insulated tubing used for steam supply and condensate return lines. Available in various materials and ratings.

