



PRODUCT SPECIFICATIONS

T-3 HEAT TRANSFER COMPOUND



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 invites no special curing procedure for the T-3 heat transfer compound. (Refer to the back of this specification sheet for details.)

SPECIFICATIONS/RATINGS

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, Ut, tracer to pipe wall	
114-227 w/m ² •°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
- Fewer steam tracers reduce installation time; ChannelTrace eliminates waste
- Water-soluble for easy cleanup
- Requires no special curing procedure for tracing under TFK channels

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®

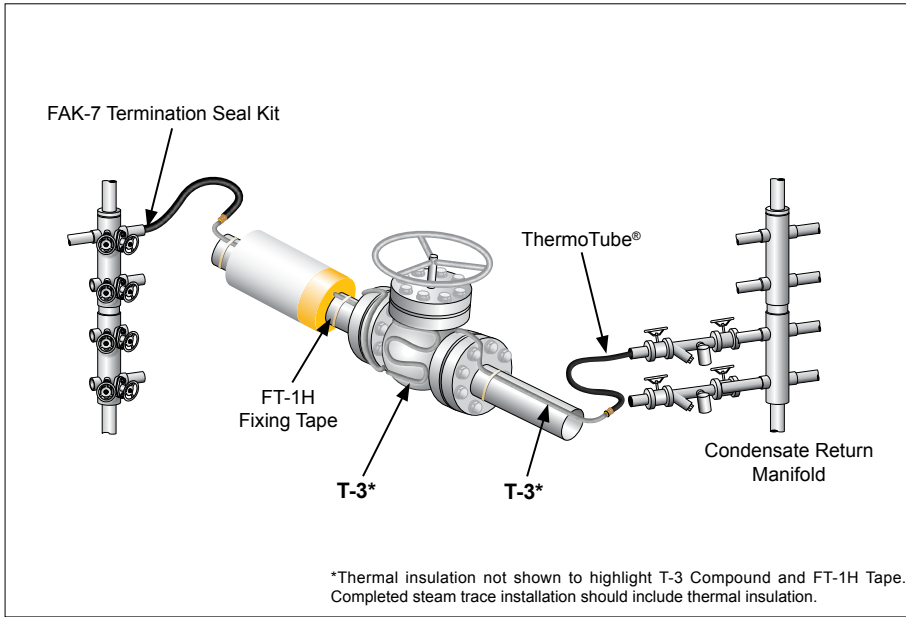


European Headquarters: Boezemweg 25 • PO Box 205 • 2640 AE Pijnacker • The Netherlands • Phone: +31 (0) 15-36 15 37
Corporate Headquarters: 100 Thermon Dr • PO Box 609 San Marcos, • TX 78667-0609 • Phone: 512-396-5801 • 1-800-820-4328
For the Thermon office nearest you visit us at . . . www.thermon.com



T-3 HEAT TRANSFER COMPOUND

TYPICAL STEAM TRACING SYSTEM



BASIC ACCESSORIES . . .



Stainless Steel Banding used to secure tracer to piping.

ALP-1 dielectric coating applied to aluminum pipe prior to T-3 compound application.

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

T3SSB (12 mm wide, .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.

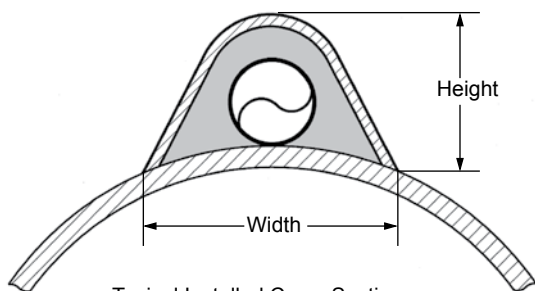
C001 banding tool for applying tension to T2SSB or T3SSB banding.

1950A crimping tool for T34PB-CR seals.

TFK CHANNEL SPECIFICATIONS

Nominal TFK Channel Dimensions (See Cross Section Below)					
Catalog Number	Width mm	Height mm	Length m	Thickness mm	Channel Material
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	25	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 process 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. See Form TSP0009 for more info.