PRODUCT SPECIFICATIONS

T-85 HEAT TRANSFER COMPOUND



APPLICATION

T-85 is a low to medium temperature heat transfer compound for use in moist and corrosive environments. Thermon's heat transfer compounds provide an efficient thermal bond between the tracer and the process equipment. By eliminating the air voids that would ordinarily exist, heat is directed into the surface being heated through conduction rather than convection and radiation. A single tracer utilizing Thermon's heat transfer compound has the equivalent performance of three to five convection (bare) tracers.

T-85 is typically utilized around valves and equipment where maximum exposure temperatures will not exceed 375°F (190°C). To reduce installation time and waste, this compound is available in 0.10 gallon (0.379-liter) cartridges.

SPECIFICATIONS/RATINGS

Container sizes
- T-85-C ..... 0.10 gallon (0.379-liter) cartridges
- T-85-1 ..... 1-gallon (3.79-liter) cans
- T-85-5 ..... 5-gallon (18.93-liter) cans

Maximum exposure temperature
- T-85 ..... 375°F (190°C)

Minimum exposure temperature ..... -320°F (-196°C)

Minimum installation temperature
- T-85 ambient temperature ..... 32°F (0°C)
- T-85 product temperature ..... 70°F (21°C)

Heat transfer coefficient, U ..... tracer to pipe wall
20-40 Btu/hr•°F•ft² (114-227 w/m²•°C)

Electrical resistivity ..... 146 ohms/inch (57 ohms/cm)

Shelf life
- 1/10-gallon cartridges ..... 90 days
- 1 and 5-gallon cans ..... 30 days

Bond shear ..... 1,000-1,800 lbs/in2 (6,895-12,411 kPa

Water-soluble ..... no

DESCRIPTION

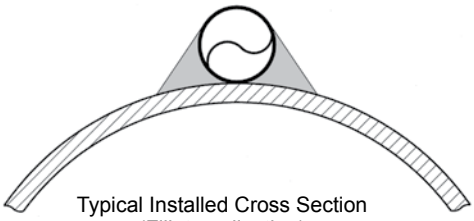
T-85 is available in 0.10 gallon (0.379-liter) cartridges as well as 1-gallon (3.79-liter) and 5-gallon (18.93-liter) cans.

OPTIONS

T-85 cartridge applicators allow easy installation for the 0.10 gallon heat transfer compound.

BENEFITS

- Non soluble in water - no special curing required
- Epoxy resin base creates strong mechanical bond
- Suitable for moist or corrosive environments
- 0.10 gallon cartridges allow easy application for valve and accessory heat tracing
- Free design assistance



Typical Installed Cross Section
(Fillet application)

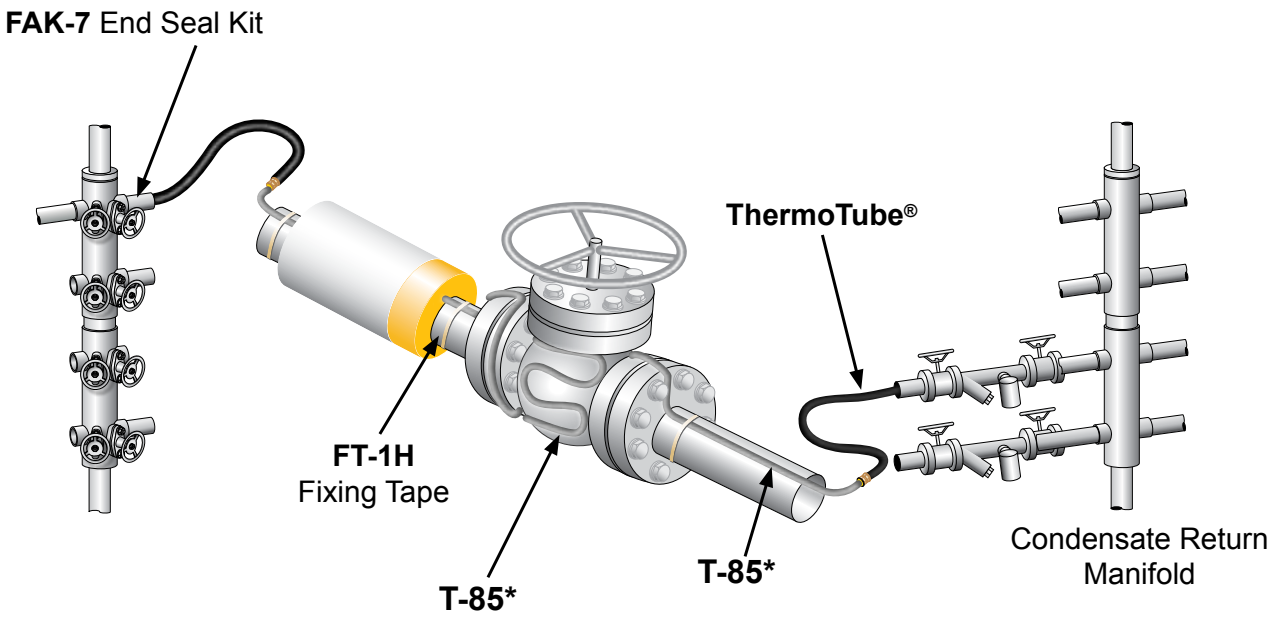
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PRODUCT SPECIFICATIONS

T-85 HEAT TRANSFER COMPOUND

TYPICAL STEAM TRACING SYSTEM



*Thermal insulation not shown to highlight T-3 Compound and FT-1H Tape. Completed steam trace installation should include thermal insulation.

PRODUCT CONFIGURATIONS

Catalog Number	Description	Max. Exposure Temperature
T-85-C	1/10-Gallon Cartridge	375°F (190°C)
T-85-1	1-Gallon Can Compound	375°F (190°C)
T-85-5	5-Gallon Can Compound	375°F (190°C)

BASIC ACCESSORIES



MC-1 manual applicator.

AC-1 air-powered cartridge applicator with 50' of air hose.



846-1E battery powered cartridge applicator for 0.10 gallon cartridge T-85 Heat Transfer Compound. Battery pack and 120 Vac charger included.



Stainless Steel Banding . . . used to secure tracer to piping.

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

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

T34PB-CR crimp seals for fastening tensioned banding.

1950A crimping tool for T34PB-CR seals.