

T-80 and T-85

Heat Transfer Compounds

Product Specifications

Application . . .

T-80 and T-85 are low to medium temperature heat transfer compounds for use in moist and/or corrosive environments. 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.

T-80 and T-85 are typically utilised around valves and equipment where maximum exposure temperatures will not exceed 163°C and 190°C respectively. To reduce installation time and product waste, these compounds are available in 0.379-litre cartridges.

Specifications/Ratings . . .

Container sizes

T-80-C/T-85-C	0.379-litre cartridges
T-80-1/T-85-1	3.79-litre cans
T-80-5/T-85-5	18.93-litre cans

Maximum exposure temperature

T-80	163°C
T-85	190°C

Minimum exposure temperature

	-196°C
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Minimum installation temperature

T-80 ambient temperature	-18°C
T-80 product temperature	-12°C
T-85 ambient temperature	0°C
T-85 product temperature	21°C

Heat transfer coefficient, U

tracer to pipe wall
114-227 W/m²•°C

Electrical resistivity

57 Ohm/cm

Shelf life

0.379-litre cartridges	90 days
3.79- and 18.93-litre cans	30 days

Bond shear

6895-12411 kPa

Water-soluble

no

Benefits . . .

- Nonsoluble in water—no special curing required
- Epoxy resin base creates strong mechanical bond
- Suitable for moist and/or corrosive environments
- Cartridges allow easy application for valve and accessory heat tracing
- Free design assistance

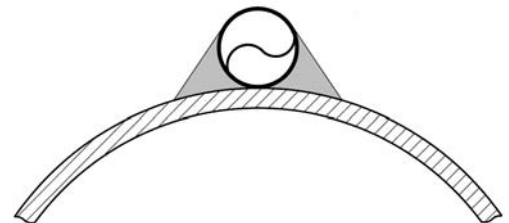


Description . . .

T-80 and T-85 are available in 0.379-litre cartridges as well as 3.79-litre and 18.93-litre cans.

Options . . .

T-80 and T-85 cartridge handguns allow easy installation for the 0.379-litre heat transfer compound.



Typical Installed Cross Section
(Fillet application)



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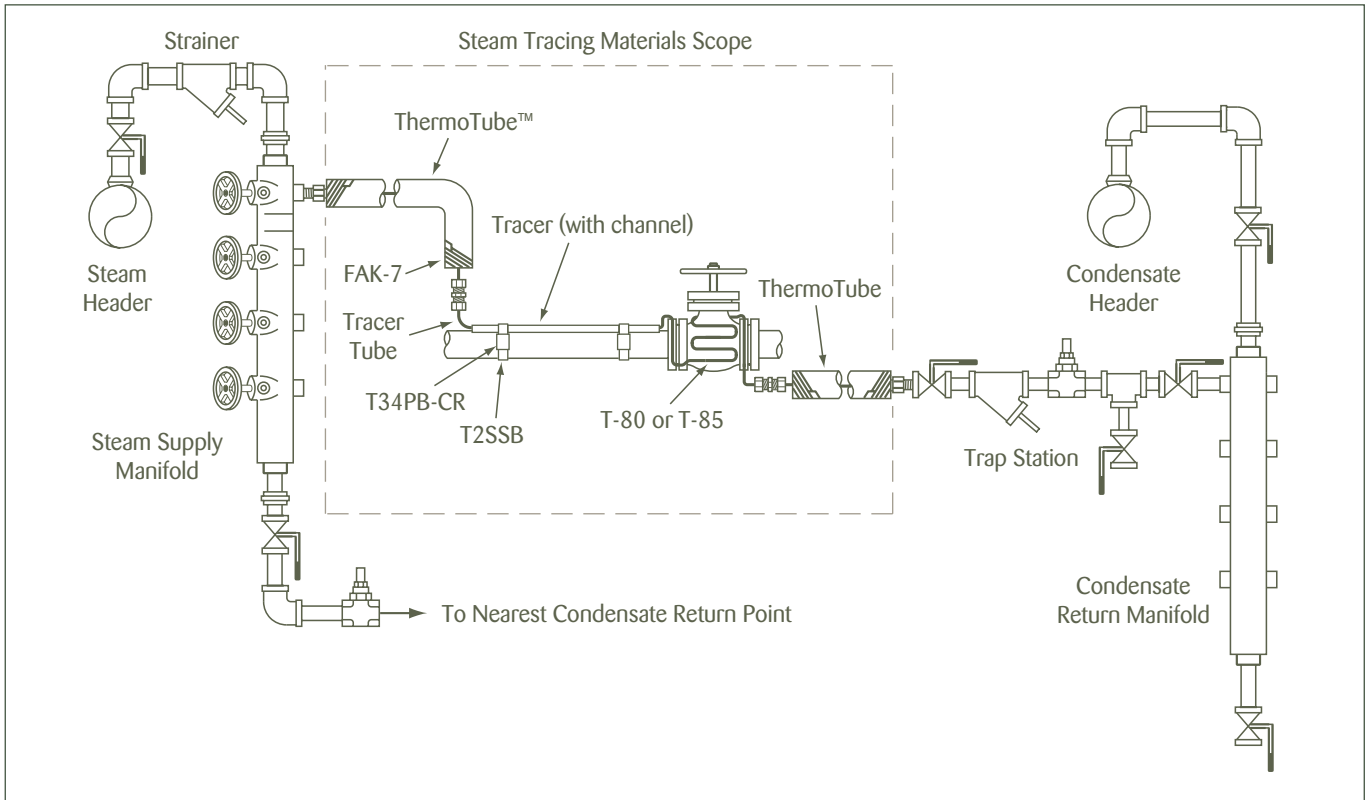
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T-80 and T-85

Heat Transfer Compounds

Product Specifications

Typical Steam Tracing System . . .



Product Configurations . . .

Product Type	Description	Max. Exposure Temperature
T-80-C	0.379-Litre Cartridge	163°C
T-80-1	3.79-Litre Can Compound	163°C
T-80-5	18.93-Litre Can Compound	163°C
T-85-C	0.379-Litre Cartridge	190°C
T-85-1	3.79-Litre Can Compound	190°C
T-85-5	18.93-Litre Can Compound	190°C

Basic Accessories . . .



MC-1...manually powered cartridge gun.
AC-1...air-powered cartridge gun with 15 m of air hose.



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.

