

ThermoTube™ Type SL

Preinsulated Tubing

Product Specifications

Application . . .

ThermoTube is a single insulated process tube ideally suited to transport steam, hot or cold liquids, gases or refrigerants. Preinsulated with nonhygroscopic glass fibre, the tube is complete with a heat reflective foil wrap and a weather-resistant outer covering. Available for immediate shipment in numerous standard configurations, ThermoTube can also be manufactured in a variety of optional process tube materials, wall thicknesses and outer coverings to meet a multitude of applications.

ThermoTube is supplied in long length coils and can be quickly and easily installed. The preinsulated feature of ThermoTube allows installation to be completed in one step as opposed to multiple steps required when using field-installed materials. Ease of installation is further enhanced by the ability to attach ThermoTube to existing cable trays, angles, channels, struts and I-beams.

Specifications/Ratings . . .

Available standard tube diameters¹ 1/4", 3/8", 1/2" & 3/4"
(6, 8, 10, 12 & 20 mm)

Available tube materials¹ copper & stainless steel

Maximum process temperature 204°C

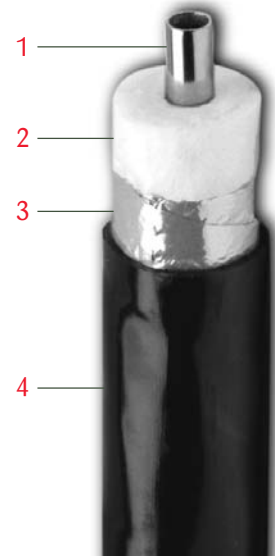
Minimum installation temperature² -10°C

Max. recommended steam pressure 1825 kPa

Surface temperature <60°C³

Notes . . .

1. Other diameters, wall thicknesses and process tube materials are available; contact Thermon.
2. Minimum installation temperature is based on standard PVC outer jacket. For lower installation temperatures, refer to Optional Jacket Materials at right.
3. The outer jacket temperature of ThermoTube is designed to remain below 60°C when the tube temperature is 204°C and the ambient air temperature is 27°C with no wind.



Construction . . .

- 1 Copper or Stainless Steel Tube
- 2 Thermal Insulation
- 3 Heat Reflective Wrap
- 4 Black Weather/Moisture Protective PVC Jacket

Optional Jacket Materials . . .

- 5 Black ATP—"Arctic" Formulation (minimum installation temperature: -40°C)
- 6 Black TPU—Polyether Urethane Elastomer (minimum installation temperature: -40°C)
- 7 Other Jacket Materials Available—Contact Thermon



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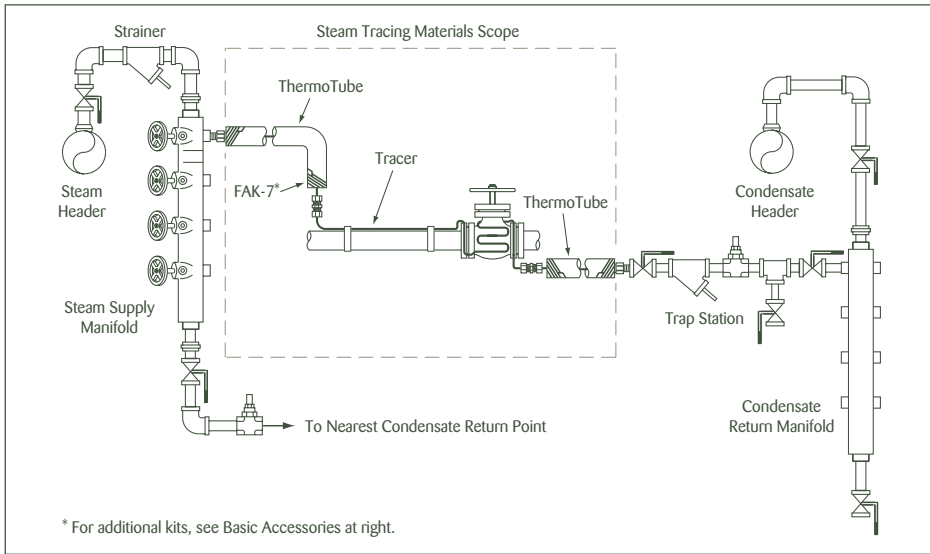
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Typical Steam Tracing System . . .



Basic Accessories . . .



End Termination Kits... permit waterproof terminations to the ends of ThermoTube.

FAK-7... contains a roll of self-vulcanising silicone rubber tape and RTV sealant to complete approximately six terminations.

FAK-3... contains a snap-tight band, silicone rubber grommet and RTV sealant. Kits are sized for specific ThermoTube diameters:

- **FAK-3A** for 1/4" & 6 mm ThermoTube
- **FAK-3B** for 3/8", 8 & 10 mm ThermoTube
- **FAK-3C** for 1/2" & 12 mm ThermoTube
- **FAK-3D** for 3/4" & 20 mm ThermoTube

Product Configurations . . .

Product Type	Tube Material ¹	Tube Dia. (O.D.)	Wall Thickness ²	Nominal Bundle	Min. Bend Radius
SL-2B130-PVC	Copper	1/4"	0.030"	29.2 mm	178 mm
SL-3B132-PVC	Copper	3/8"	0.032"	31.8 mm	178 mm
SL-4B135-PVC	Copper	1/2"	0.035"	34.3 mm	203 mm
SL-4B149-PVC	Copper	1/2"	0.049"	34.3 mm	203 mm
SL-6B149-PVC	Copper	3/4"	0.049"	45.7 mm	254 mm
SL-2A135-PVC	SS Welded	1/4"	0.035"	29.2 mm	178 mm
SL-3A135-PVC	SS Welded	3/8"	0.035"	31.8 mm	178 mm
SL-4A135-PVC	SS Welded	1/2"	0.035"	34.3 mm	203 mm
SL-4A149-PVC	SS Welded	1/2"	0.049"	34.3 mm	203 mm
SL-6A135-PVC	SS Welded	3/4"	0.035"	45.7 mm	254 mm
SL-6A149-PVC	SS Welded	3/4"	0.049"	45.7 mm	254 mm
SL-2F135-PVC	SS Seamless	1/4"	0.035"	29.2 mm	178 mm
SL-3F135-PVC	SS Seamless	3/8"	0.035"	31.8 mm	178 mm
SL-4F135-PVC	SS Seamless	1/2"	0.035"	34.3 mm	203 mm
SL-4F149-PVC	SS Seamless	1/2"	0.049"	34.3 mm	203 mm
SL-6F135-PVC	SS Seamless	3/4"	0.035"	45.7 mm	254 mm
SL-6F149-PVC	SS Seamless	3/4"	0.049"	45.7 mm	254 mm
SL-6B101-PVC (M)	Copper	6 mm	1 mm	29.2 mm	178 mm
SL-8B101-PVC (M)	Copper	8 mm	1 mm	31.8 mm	178 mm
SL-10B101-PVC (M)	Copper	10 mm	1 mm	31.8 mm	178 mm
SL-12B101-PVC (M)	Copper	12 mm	1 mm	34.3 mm	203 mm
SL-20B11.5-PVC (M)	Copper	20 mm	1 mm	45.7 mm	254 mm
SL-6A101-PVC (M)	SS Welded	6 mm	1 mm	29.2 mm	178 mm
SL-8A101-PVC (M)	SS Welded	8 mm	1 mm	31.8 mm	178 mm
SL-10A101-PVC (M)	SS Welded	10 mm	1 mm	31.8 mm	178 mm
SL-12A101-PVC (M)	SS Welded	12 mm	1 mm	34.3 mm	203 mm
SL-20A101-PVC (M)	SS Welded	20 mm	1 mm	45.7 mm	254 mm
SL-20A11.5-PVC (M)	SS Welded	20 mm	1.5 mm	45.7 mm	254 mm
SL-6F101-PVC (M)	SS Seamless	6 mm	1 mm	29.2 mm	178 mm
SL-8F101-PVC (M)	SS Seamless	8 mm	1 mm	31.8 mm	178 mm
SL-10F101-PVC (M)	SS Seamless	10 mm	1 mm	31.8 mm	178 mm
SL-12F101-PVC (M)	SS Seamless	12 mm	1 mm	34.3 mm	203 mm
SL-20F101-PVC (M)	SS Seamless	20 mm	1 mm	45.7 mm	254 mm
SL-20F11.5-PVC (M)	SS Seamless	20 mm	1.5 mm	45.7 mm	254 mm

Notes . . .

1. Copper tubing meets ASTM Std B68-B75. Stainless steel tubing meets ASTM Std A269.
2. All imperial tubes are available in 0.049" wall thickness; contact Thermon.



Elbow, In-Line and T-Splice Kits... permit weatherproof and insulated splices of ThermoTube. Each kit includes UV-resistant ABS shell halves, fiberglass insulating wrap, aluminum heat reflective wrap, stainless steel fasteners and RTV sealant.

- **FAK-2** for 90° elbow splice
- **FAK-4** for in-line splice
- **FAK-5** for T-splice



FAK-8 Self-Sealing Patch Kit... permits a weatherproof seal over splices or outer cover repairs to ThermoTube. Kit includes 200 mm x 200 mm patch, fiberglass insulation wrap and aluminum heat-reflective wrap.

