Steam tracing applications range from freeze protection to maintaining temperatures close to that of the steam itself. Thermon steam tracing systems have a low installed cost compared to multiple bare tracers, “light” tracing with spacer blocks, or jacketed systems. “Thermonized” systems also provide predictable operation and maintenance that process plants demand.

**ENGINEERED STEAM TRACING SOLUTIONS**

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**STEAM TRACING SYSTEMS EXTEND BEYOND THE PIPING, VESSELS, AND EQUIPMENT**

- **Engineering Services**
  - Layout circuits
  - Locate supply and return manifolds
  - Estimate installed costs
  - Estimate condensate loads and operating costs
  - VisiTrace 3-D design

- **Field Services**
  - Audit/Locate existing circuits
  - Complete trap data for maintenance and operations

**MANIFOLD TO MANIFOLD**

THERMON OFFERS A STEAM TRACING SOLUTION FOR EVERY APPLICATION

**ENGINEERED STEAM TRACING SYSTEMS PROVIDE**

**plus+ Lower Installed Cost**
- Optimized Circuit Lengths
- Fewer Steam Traps
- Manifolds Locations Optimized

**plus+ Optimal Performance**
- More Accurate Temperatures
- Reduced Summer/Winter Temperature Swings

**plus+ Lower Operating Costs**
- No Overheating - By Design
- Reduced Steam Consumption

**plus+ Lower Maintenance Costs**
- Fewer Traps to Replace
- Audit and Maintenance Services Available

equals=**Lowest Cost of Ownership!**

“Deliverables” Can Include:
- Steam Tracing ISO Drawings with Manifold Locations
- Steam Circuit Schedules with Manifolds and Traps Identified
- Detailed Installation Instructions

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- Detailed Installation Instructions
**PIPE TEMPERATURE RANGES WITH A COMMON STEAM PRESSURE/TEMPERATURE**

- **High Heat Delivery**
  - **“Thermonized” Tracing with Thermon Heat Transfer Compounds**
  - Insulated pipe approaching temperature of steam/fluid media.
  - SnapTrace® Preformed Extrusions for Fast Installation
  - Available in 4’ (1.22 m) lengths
  - Significantly Reduces Installation Time
  - No Surface Preparation Required
  - Use With Up to 208°C (406°F) Fluid/Steam

- **Medium Heat Delivery**
  - **SafeTrace™ BTS or DLS for “Light” Traced Systems**
  - Application: Fuel Oils, Heavy Grease, Crude
  - SafeTrace SLS & DLS Isolated Tracing for lowest pipe temperature.

- **Low Heat Delivery**
  - **“Thermonized” Tracing**
  - Application: Asphalt, Resids, Sulfur

**HIGH MAINTAIN TEMPERATURES**
- “Thermonized” with Thermon Heat Transfer Compounds
  - Consistent Heat Transfer Properties
  - Less Than 20% of Cost for Steam Jacketing
  - Reduce Bare Trace Circuits by 3 Times or More

**SnapTrace®** Preformed Extrusions for Fast Installation
- Available in 4’ (1.22 m) lengths
- Significantly Reduces Installation Time
- No Surface Preparation Required
- Use With Up to 208°C (406°F) Fluid/Steam

**HT Compounds for Piping, Valves and Irregular Surfaces**
- (Maximum temperature ratings shown)
  - T-3: 371°C (700°F)
  - T-89: 1,000°C (1832°F)
  - T-80: 163°C (325°F)
  - T-85: 190°C (375°F)
  - T-802: 135°C (275°F) (two part compound)

**MEDIUM MAINTAIN TEMPERATURES**
- **SafeTrace™ BTS: 38°C to 121°C**
- **SafeTrace Isolated Steam Tracers** reduce or eliminate risk of burns.

**LOW MAINTAIN TEMPERATURES**
- **“Light Tracing” alternative to “spacer blocks”**
  - **SafeTrace™ SLS-IT: 24°C to 93°C**
  - **SafeTrace™ DLS-IT: 5°C to 54°C**

For additional information see Thermon Form TSP0005.
- Increase Circuit Lengths
- Reduce Number of Circuits and Traps
- Reduce Operating Costs
- Installed with Special Adhesive Tape

**ONE STEAM PRESSURE FOR DIFFERENT PIPE TEMPERATURES**

Heat-up and maintain characteristics for Thermon systems on 2” NPT (50mm) lines with 1” (25mm) insulation with 50 psig (3 barg) steam service (298°F/148°C)

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**THERMON The Heat Tracing Specialists®**
MORE ENGINEERED STEAM TRACING SOLUTIONS

TUBETRACE® HEATED INSTRUMENT TUBING
• Reduces installation time and costs.

**Type SP/MP Single/Multiple Process Tubes**
• “Heavy Traced” for higher temperature maintenance
• The tracer tube is in direct contact with the process tube(s), so process tube temperatures will be very close to the tracer tube temperature.

**Tube Temperature Range:**
5°C (40°F) to 205 °C (400°F) *

**Maximum Exposure:** 205°C (400°F) *

**Type SI/MI Single/Multiple Isolated Tubes**
• “Light Traced” for freeze protection and lower temperature maintenance.
• The tracer tube is insulated from the process tube(s), so process tube temperatures will be significantly lower than the tracer tube temperature.

**Tube Temperature Range:**
5°C (40°F) to 121°C (250°F)

**Maximum Exposure:** 205°C (400°F) *

TubeTrace bundles are also available with Thermon Electrical Heat Tracing Products (see CLX0025 for more information).

STEAM SUPPLY/CONDENSATE RETURN

ThermoTube® Pre-Insulated Tubing
• Reduces installation time and costs.

**Continuous Temperature Range:**
Service to 205°C (400°F) *

ThermoTube ratings to 593°C (1100°F) also available *

* Higher tube temperatures are possible with XINS-extra insulation HT and HTX type designs.

HEETSHEET® TANK AND VESSEL HEATING UNITS
• Provides 2 to 3 Times the Heat Transfer of Plate-Type Coils
• No Risk of Cross-Contamination with Process
• Light-weight Stainless Steel for Easy Installation
• Low Profile—Oversized Insulation Not Required

For electrically heated tank applications consider FlexiPanel™ pad-type heating systems and/or Thermon electric heat tracing systems (see TMP0025 for more information).