TraceFREE®
Electric Pipe Heating

INDEECO®

Indeeco's Impedance Heating System is a unique, safe and proven method for pipeline heating.

Product Features

- **Uniform Heating** - Thermal design by proprietary ImpedancePRO software provides uniform heat distribution throughout the entire length and circumference without hot/cold spots.
- **Safe** - low voltage operation as all systems operate at less than 50 volts, ground fault current protection included. Meets NEC 427, NFPA 70E, IEEE 844.
- **Highly Reliable** - low maintenance robust system with longest service life of any pipe heating system.
- **Wide Temperature Range** - from ambient to >1000°F. Only limited by pipe and fluid thresholds.
- **Precise Temperature Control** - Contactor, SCR or SSR control optimized for process requirements.

Industry Applications

- Food Processing
- Plastic Processing
- Chemical Processing
- Asphalt Processing
- Gas Processing
- Solar Power
- Power Generating Utility
- Lead Recycling
- Steel
- Semiconductor

Materials Heated

- Asphalt
- Chocolate
- Coal Tar Pitch
- Crude Oil
- Lube Oil
- Polymers
- Sulphur
- Liquid Sweeteners
- Wax
- Molten Salt
- Molten Metals
- Specialty Gases
- Specialty Chemicals
- Caustic

Keeping Your Process Flowing Is Your Main Priority...
and since 1929 it has been Ours **Too.**

Process Pipe Heating Technologies Comparison

Consideration	TraceFREE® Electric Pipe Heating	Steam Heat	Electric Heat Trace
Uniform Heat	Yes	No	No
Temperature Sensitive Products	Yes	No	Limited
Long Pipe Runs	Yes	Limited	Limited
Cold Start / Quick Heat Up	Yes	No	No
Maintenance Costs	Low	High	High
Steam Leak	No	Yes	No
High Temperature Applications >400°F/204°C	Yes	Limited	Limited
Raise Temperature of Flowing Product	Yes	Limited	No

Engineering Application Guide

End Feed Connection

- Most common used
- Simpler installation
- Requires dielectric flange gaskets

Center Feed Connection

- Typically used for point to point applications
- Does not require use of insulated pipe joints or dielectric flange gaskets
- Grounded at each end