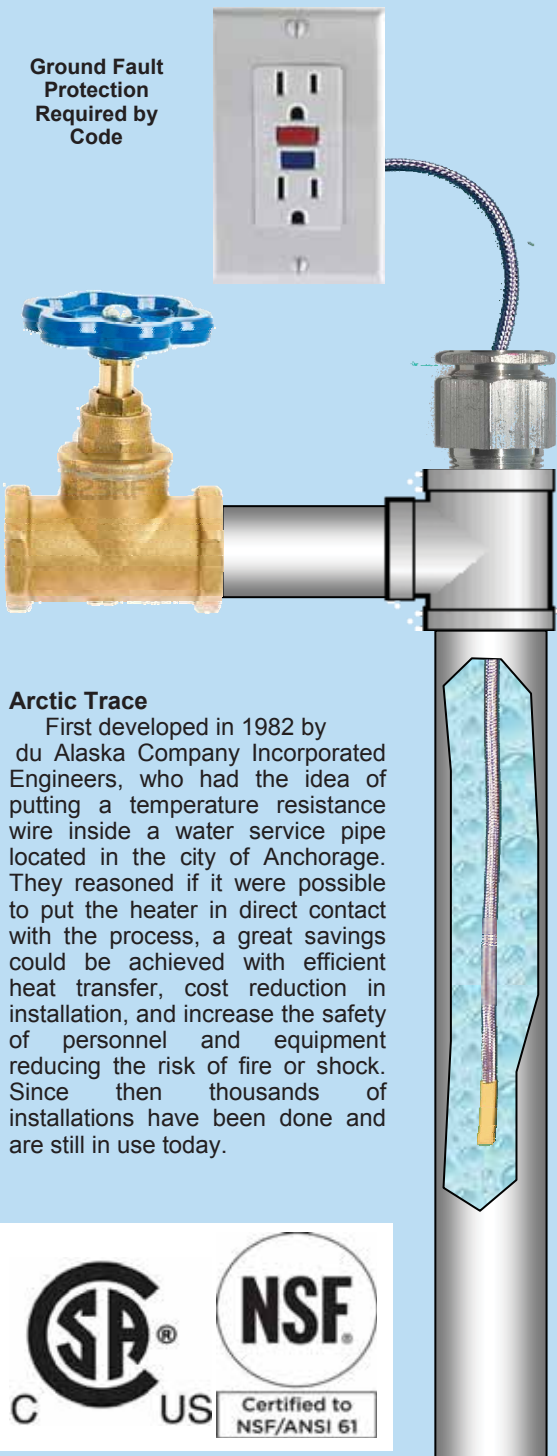


Arctic Trace® TL Series

Submersible Heat Trace Freeze Protection System

TL Temperature Limiting heating cable incorporates a special **Nonflammable** metal heating element that decreases its heat output in response to temperature changes giving the cable a temperature limiting quality thus saving energy, protecting pipes from damage due to overheating, and delivering the watt output required by the process condition. **The heater is also suitable for use inside the pipe or tank allowing efficient energy transfer and at the same time protecting personnel and equipment.** The heater is equipped with large 12 AWG copper bus wires making it possible to run the heater in long runs up to 1000' consequently reducing the installation cost associated with multiple power connections. **Arctic Trace is safe for use with Plastic or Metal pipes and tanks.**



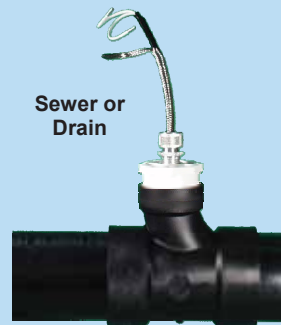
Ground Fault Protection Required by Code

Arctic Trace

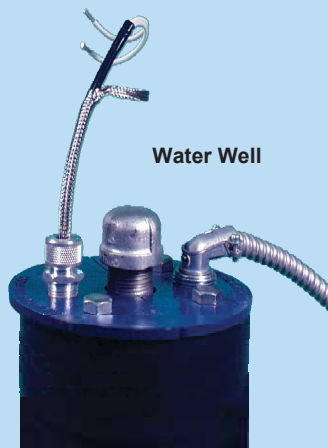
First developed in 1982 by du Alaska Company Incorporated Engineers, who had the idea of putting a temperature resistance wire inside a water service pipe located in the city of Anchorage. They reasoned if it were possible to put the heater in direct contact with the process, a great savings could be achieved with efficient heat transfer, cost reduction in installation, and increase the safety of personnel and equipment reducing the risk of fire or shock. Since then thousands of installations have been done and are still in use today.



Water Supply



Sewer or Drain



Water Well

Electric Heat Tracing Application

Arctic Trace® Heating cable includes heaters designed for many pipe freezing applications. The versatility allows the heater to be installed inside or outside the pipe making the cable suitable for the freeze protection of:

- Water Supply Lines
- Sewer Outfall Lines
- Water Supply Points
- Well Water Supply Lines

Industrial Process Maintenance Application

- Petroleum Refineries Process Maintenance
- Waste Water Treatment Facilities
- Food Processing Plants for Viscosity Control
- Instrument Lines and Enclosures
- Storage Tanks
- Hazardous or Non-Hazardous Applications
- Municipal Land Fill Methane Line Freeze Protection

Commercial Application

- Water and Sewer Service Lines
- Hot Water Temperature Maintenance
- Arctic Pipe
- Deep Well Freeze Protection
- Parking Garage Drain Lines
- Sump Discharges Pipe and Equipment
- Roof and Gutter De-Icing
- Sewer and Water Outfall Lines
- Marina, Dock, & Harbor Watering Points

Residential Application

- Water Supply Freeze Protection
- Water Well Freeze Protection
- Septic Tank & Sewer Line Freeze Protection
- Snow and Ice Melting

Heat Fusion Water Proof End Seal is the Key to a Great Success Story

Caution - Arctic Trace must only be installed by a licensed professional, who fully understands electrical equipment placement, and must be placed in service with the use of an adequate ground fault circuit interrupter to protect personnel from shock or injury.

du Alaska Incorporated

Accessories and Optional Equipment

Part

105A Low Temperature Vinyl shrink Butt Splice with solderless connectors and heat shrink



206C 1/2" MNPT Water Proof Pressure Connector



207SS 1/2"x1/2" MNPT Water Proof Pressure Connector



208C NEMA 4X Power Connection Junction Box with DIN Terminals Single Gang



209C NEMA 4X Power Connection Junction Box with DIN Terminals Double Gang



305C Water Proof End Seal



330C 150'x2" Metal Heat Transfer Tape

38036 500VDC Insulation Tester Megohmmeter



Part

907 1100F Heat Gun with end cap adapter 120VAC,



C14880 15 Amp GFCI Protected 12' Plug and Cord Set 120VAC



PGF1221BN114A 20 AMP GFCI Protected 15' Plug and Cord Set 240 VAC



C33120SP 20 Amp 120 volt, Universal Power connection kit with switch, pilot light and GFCI 4 each 1/2" hubs



SST-2 120/208/240/277VAC 30 AM Freeze Protection Digital Thermostat, Status Indicators, temperature Sensor, 30 mA GFEP NEMA 4X Enclosure



TRD115 120/240 VAC General Purpose Adjustable Thermostat, 5' Capillary, NEMA 4X Enclosure



Automatic Ice and Snow Melting Controls
Snow, Ice, Roof, Gutter, Pavement, Concrete Sensors and Controls

