

Industrial Tubing



Industrial Tube Application

- Corrosion protection (near shore / offshore sites)
- Pneumatic or Hydraulic Control Lines

Tubing Sizes

- 1/4", 3/8", 1/2", 3/4"
- 6mm, 10mm, 12mm

Common Tube Materials

- 316/316L, Seamless
- #122DHP Copper

Number of Tubes

- 1-7**

Max. Operating Temperature

- 140°F / 60°C

Options:

- Contact Factory

Steam Tracing



Pre-Insulated Application

- Transport Steam from manifold to process or vessel
- Return spent steam (condensate) to boiler
- Reduce temperature drop in fluid transfer lines
- Protect Personnel from hot tubing

Tubing Sizes

- 1/4", 3/8", 1/2", 3/4"
- 6mm, 10mm, 12mm

Common Tube Materials

- 316/316L, Seamless or welded
- #122DHP Copper
- PFA Fluoropolymer

Number of Tubes

- 1

Max. Operating Temperature

- 400°F / 204°C
- 1100°F / 593°C

Options:

- Stack, Grab & Go® 100 ft boxes
- High temperature designs to 1100°F



Light Steam Traced Application

- Protect freezing in Instrument Lines
- Prevent degradation of process fluid
- Maintain Temperatures of Heated fluids, prevent boil-off

Tubing Sizes

- 1/4", 3/8", 1/2"
- 6mm, 10mm, 12mm

Common Tube Materials

- 316/316L, Seamless or welded
- #122DHP Copper
- PFA Fluoropolymer

Number of Tubes

- 2-4

Max. Operating Temperature

- 400°F / 240°C
- 1100°F / 593°C

Options:

- Other Materials and Aftermarket Options Available. Contact Factory



Heavy Steam Traced Application

- Temperature Maintenance
- Viscosity Maintenance
- Transfer of Heavy Waxes or Oils

Tubing Sizes

- 1/4", 3/8", 1/2", 3/4"
- 6mm, 10mm, 12mm

Common Tube Materials

- 316/316L, Seamless or welded
- #122DHP Copper

Number of Tubes

- 2-7**

Options:

- Other Materials and Aftermarket Options Available. Contact Factory

Electric Traced Tubing



Self Regulating Application

- Freeze Protection of Instrument Lines
- Low to Medium Temperature Maintenance
- Viscosity Maintenance of oils/grease
- Maintain proper fluid properties in automated equipment
- Hazardous Location Approvals

Tubing Sizes

- 1/4", 3/8", 1/2", 3/4"
- 6mm, 10mm, 12mm

Common Tube Materials

- 316/316L, Seamless or welded
- #122DHP Copper
- PFA Fluoropolymer

Number of Tubes

- 1-4**

Max. Operating Temperature

- Low Temp SR 85°C/185°F
- High Temp SR 150°C/302°F

Options:

- Carrier Tube replaceable heater design
- Multiple heating zones
- Buffered Heater Cables for high temperature applications to 1100°F / 593°C



Power Limiting Application

- Freeze Protection to Medium Temperature Maintenance
- Hazardous Location Approvals

Tubing Sizes

- 1/4", 3/8", 1/2", 3/4"
- 6mm, 10mm, 12mm

Common Tube Materials

- 316/316L, Seamless or welded
- #122DHP Copper
- PFA, PTFE, or FEP Fluoropolymer

Max. Operating Temperature

- Power Limiting 204°C/400°F

Options:

- Monel®, Incoloy®, Hastelloy®
- SilcoNert® coatings
- Electropolished tubing

CEMS (Continuous Emissions Monitoring System)



High Temp Application

- Nox / SOx

Max. Operating Temperature

- High Temp SR 150°C/302°F

Options:

- Special conditioning of Fluoropolymer tubing for low THC applications
- Electropolished stainless steel tubing

Power Limiting Application

- Ammonia
- CO, CO2, O2

Tubing Sizes

- 1/4", 3/8", 1/2", 3/4"
- 6mm, 10mm, 12mm

Common Tube Materials

- PFA Fluoropolymer
- PTFA Fluoropolymer

Number of Tubes

- 1-8***

Max. Operating Temperature

- Power Limiting 204°C/400°F

Options:

- SilcoNert® coatings
- Multiple heat zones



Series Resistance Application

- HCl
- Total Hydrocarbons
- Scrubber Monitoring
- Mercury
- Particulate Monitoring
- Flare Gas
- LNG
- Petrochemical Process Monitoring

Common Tube Materials

- 316/316L, Seamless or welded

Number of Tubes

- 2-4

Max. Operating Temperature

- 400°F / 204°
- 1100°F / 593°C

Options:

- Monel®, Incoloy®, Hastelloy®
- SilcoNert® coatings
- Electropolished tubing



Probe Support Application

- Temperature Maintenance
- Viscosity Maintenance
- Transfer of Heavy Waxes or Oils

Tubing Sizes

- 1/16", 1/8", 1/4", 3/8", 1/2"
- 4mm, 6mm, 10mm, 12mm

Common Tube Materials

- PFA Fluoropolymer
- PTFE Fluoropolymer
- 316/316L, Seamless or welded
- HDPE
- Nylon

Number of Tubes

- 1-12** (Includes wires & cables)

Max. Operating Temperature

- 60°C / 140°F

Options:

- Calibration Gas
- Blowback Air
- Vacuum Lines
- Sensor Cables
- Probe Power
- Fiberoptic cables
- Cat6 cables

Heated Hose



Heated Hose Application

- Portable Emissions Monitoring
- Diesel Engine Testing
- Adhesive Application
- Urethane Coating Application
- Plastics Extrusion / Coextrusion
- Off-loading / Drum filling
- Automated / Robotic Assembly Equipment / Manufacturing Lines
- FreeFlow™ Freeze Protected Fluid Transfer Lines

Tubing Sizes

- Hose Sizes -4, -6, -8, -10, -12, -16, -20, -24, -32, -48
- Tubing Sizes 1/8" - 3/4"
- Metric equivalents

Common Tube Materials

- PFA Fluoropolymer
- PTFE Fluoropolymer
- 316/316L, Seamless or welded
- Corrugated Stainless Steel
- Corrugated Fluoropolymer
- Reinforced Thermoplastic Hose
- Air/Water Hose
- Hydraulic Hose



Number of Tubes

- 1-4**

Max. Operating Temperature

- Fluoropolymer Tubes 230°C/450°F
- Metal Tubes 329°C/625°F
- Hose Materials based on core

Options:

- Special conditioning of Fluoropolymer tubing for low THC applications
- Electropolished stainless steel tubing
- SilcoNert® coatings
- Multiple heat zones
- Thermocouple or RTD temperature sensors
- Custom tube/wire breakouts
- Flange / Sanitary / NPT fittings
- Electrically and Hydraulically Complete
- Power Limiting Designs