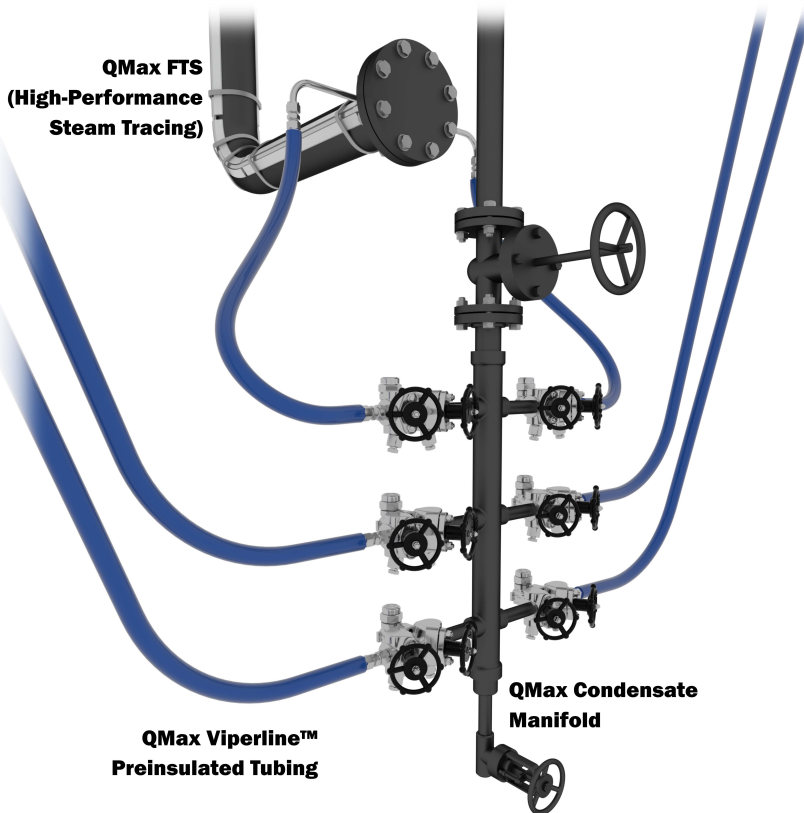


# VIPERLINE™



QMax ViperLine™ Preinsulated Tubing is available in various sizes, types and colors to meet your specification.



**QMax Industries, Inc.** is a technology company based in Charlotte, NC, with several innovations in the field of process heating.

**Our specialties include:**

- >High Performance Steam Tracing
- >High Performance Electric Tracing
- >Equipment Jacketing
- >Tank Heating

**“We’re committed to being the world leader in steam tracing technologies”**

Thomas W. Perry  
President

**Contact QMax Industries**  
EM sales@qmaxindustries.com  
PH 704.643.7299

No other company offers more steam tracing solutions than QMax Industries. From the steam supply manifold to the condensate return manifold, QMax can offer the entire scope of steam tracing.

- Steam Supply Manifolds
- Preinsulated Tubing for clean steam transfer
- Steam Tracing/Jacketing System (most steam tracing systems options of any company from freeze protection to jacketed pipe)
- Preinsulated Tubing for low-pressure loss condensate transfer
- Condensate Return Manifolds with steam traps designed for steam tracing
- Steam Tracing Design (supply & return sizing, layout, installation drawings)

With QMax ViperLine™ Preinsulated Tubing, QMax has you covered between your manifolds and steam tracing/jacketing. The thermally insulated fiberglass material is protected with a flexible black flame-resistant PVC jacket and can transfer fluids up to 400°F (204°C) while maintaining an outer jacket temperature of 140°F (60°C). This keeps your system at the temperature you want, while providing personal protection from steam or hot fluids at the same time. QMax ViperLine™ also comes in a variety of materials to meet your needs - all sizes of copper and stainless tubing, multiple colors, and different jacket materials. See the QMax ViperLine™ Part Numbering guide to help choose the best tubing to fit your application.

Choose QMax ViperLine™ for Steam Applications offered exclusively by Your Steam Tracing Authority. Call today.

# VIPERLINE™

## Preinsulated Tubing



### Introduction:

QMax ViperLine™ Preinsulated tubing is thermally insulated with a non-hygroscopic inorganic fiberglass material and protected with a flexible black flame-resistant PVC jacket.

### Performance Data:

QMax ViperLine™ is thermally insulated for transfer of fluids or gases up to 500°F (260°C) while maintaining an outer jacket surface temperature of 140°F (60°C), meeting NEC Personnel Protection Code 427.12.

Insulated bundles rated up to 1200°F (649°C) are available upon request. Contact QMax Industries for more details. Tubing is available in many alloys and sizes, including metric size.

### General:

QMax ViperLine™ is designed to provide an economical and highly efficient method of conveying steam or other hot materials through a plant and is intended to replace hard piping and field-installed insulation.

### Applications:

QMax ViperLine™ products are typically used in steam supply lines, condensate return lines, cooling water lines, lubrication lines, refrigeration lines, and liquid nitrogen lines.

### Tubing:

Type 122 DHP Seamless Copper and 316/316L Welded and Seamless Stainless Steel are standard. Additional materials and wall thicknesses are available upon request. Consult QMax Industries for details.

### Insulation:

Air-spaced, cross wrapped applied non-hygroscopic fiberglass thermal insulation for minimum heat loss. Optional insulation thicknesses are available; such as, 0.36", 0.72" and 0.96" insulation used in Cryogenic, Liquid CO2 and Liquid Nitrogen applications. For other thicknesses consult QMax Industries.

### Jacket:

The tough, black, 221°F (105°C) rated, flame-resistant PVC (FR PVC) jacket protects the tubing against corrosive atmospheres, water, oils, acids, alkalis and most chemicals. Additional jacket materials are available upon request. Consult QMax Industries for additional details.

### Testing:

Each tube in every length of QMax ViperLine™ preinsulated tubing is pressure tested prior to shipment to assure the instrument engineer a high quality, reliable, trouble-free product. For Testing Specifications contact QMax Industries.

### Accessories:

Accessories are available for connecting multiple lengths of QMax ViperLine™ tubing bundles and sealing bundle ends. NOTE: It is absolutely necessary to seal the ends against contamination from moisture and/or corrosive liquids. QMax Industries cannot assume any liability for product damage caused by moisture from unsealed ends.

## QMax ViperLine™ Part Numbering

## Sample Part Number: QVL-316-SML-08-35-FRPVC-N

1 2 3 4 5 6

**1 Tubing Type I:**  
 316 = 316/316L ASTM A269 Stainless Steel  
 304 = 304 ASTM A269 Stainless Steel  
 COP = DHP Alloy No 122 ASTM B68/B75 Copper

**2 Tubing Type II:**  
 SML = Seamless  
 WLD = Welded

**3 Tubing Outside Diameter:** Imperial:      Metric:  
 06 = 3/8"      8mm = 8mm  
 07 = 7/16"      10mm = 10mm  
 08 = 1/2"      12mm = 12mm  
 10 = 5/8"      14mm = 14mm  
 12 = 3/4"      16mm = 16mm

**4 Wall Thickness:**      Imperial:      Metric:  
 32 = .032"      10 = 1.0mm  
 35 = .035"      15 = 1.5mm  
 40 = .040"      20 = 2.0mm  
 47 = .047"      25 = 2.5mm  
 49 = .049"  
 50 = .050"  
 62 = .062"  
 65 = .065"  
 83 = .083"

**5 Jacket Material**  
 FRPVC = Fire-Resistant Polyvinyl Chloride  
 FRTPE = Fire-Resistant Thermoplastic Elastomer  
 FRPUR = Fire-Resistant Polyurethane  
 PUR = Polyurethane  
 TPR = Thermoplastic Rubber  
 FRPE = Fire-Resistant Polyethylene  
 LDPE = Low-Density Polyethylene  
 ATP = Advanced Thermoplastic Elastomer

**6 Jacket Color**  
 Note: QMax standard jacket color is black.  
 N = Black  
 B = Blue  
 O = Orange