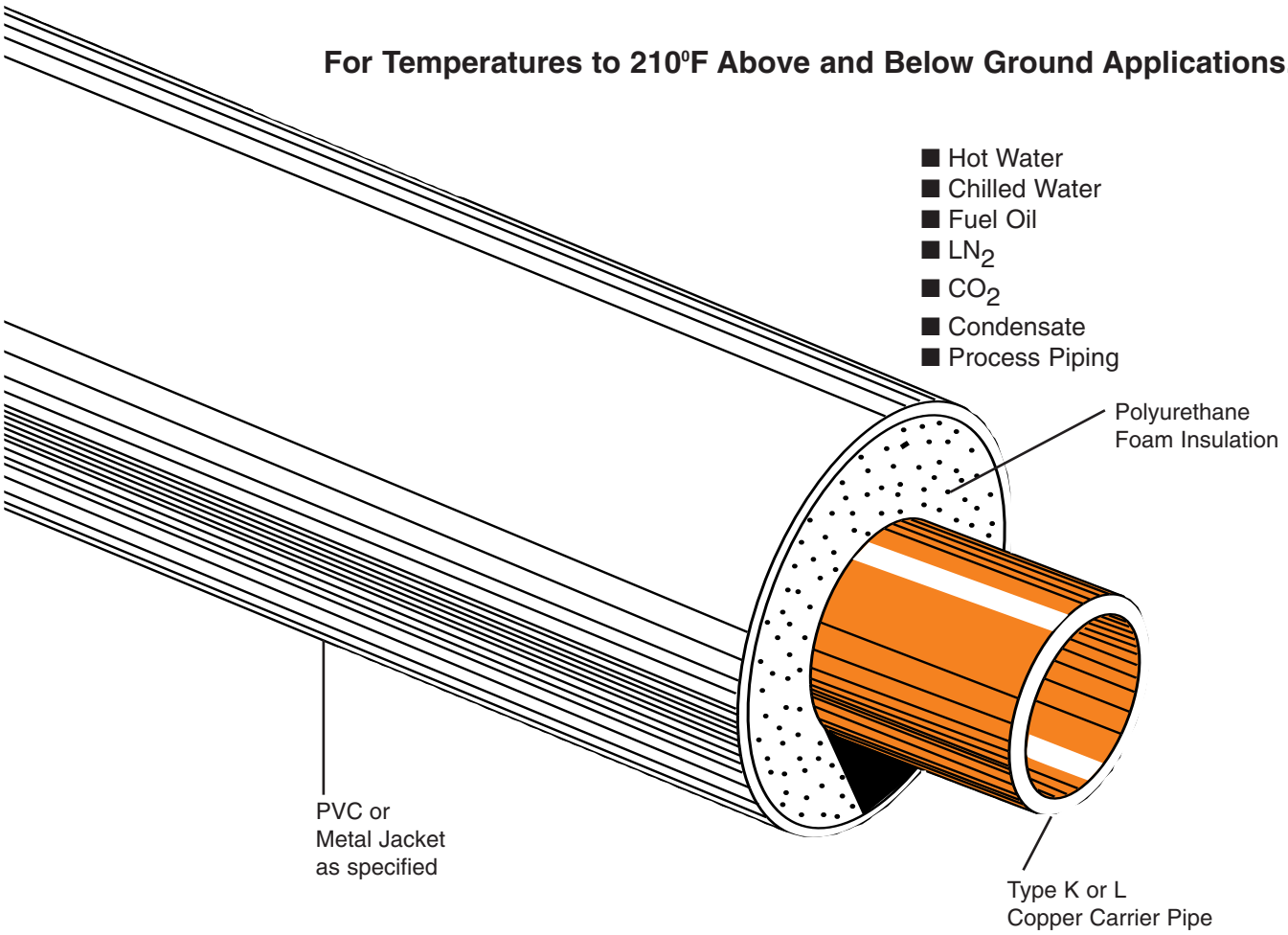
Rovanco Soldered Copper System

For Temperatures to 210°F Above and Below Ground Applications.*



Rovanco's Copper System is designed for piping systems above or below ground suitable for inside or outside applications. High quality polyurethane foam insulation combined with a durable watertight jacket supplied in 20' lengths, means an economical, high-quality system.

Rovanco's Copper System is provided with jacketing of PVC or a spiral lock seam jacket of aluminum or galvanized steel which can be supported from the outside with maximum support spans. Fittings can be either field insulated or factory fabricated as specified.

The Copper System comes complete with joint insulation, pipe materials and jacketing to make the installation completely watertight for applications of Process Fluids, hot water, chill water, etc.

To find out more about Rovanco's Copper System call or fax Rovanco at (815)741-6700, FAX: (815)741-4229, or visit our factory.

* For higher temperatures, consult factory.

SPECIFICATION DATA SHEET

Sweat Copper Piping System for Hot Water, Chilled Water, Fuel Oil, LN_2, CO_2, Condensate, or Process Piping Applications

Carrier Pipe:
Type (K) or (L) Hard Drawn Copper Tubing conforming to ASTM B-88 in 20-foot lengths.

Insulation:
Polyurethane foam with the following minimum characteristics: K Factor - .13, Density 2 pcf, Closed Cell Content - 90 - 95% in conformance with MIL-I- 24172 and ASTM C-591 completely filling the annular space between carrier pipe and jacketing. Minimum insulation thickness shall be in accordance with Table 1.

Jacketing Material:
High-impact, seamless Polyvinylchloride (PVC) Class 12454-B compound conforming to ASTM 1784, Type 1, Grade 1. No FRP jacketing will be allowed. Minimum jacket thickness shall be in accordance with Table 1.

Table 1:

Nominal Pipe Size in Inches	Minimum Insulation THickness in Inches	Jacket Size in Inches	Jacket Thickness in Mills
1/2	1.69	4	60
3/4	1.57	4	60
1	1.44	4	60
1 1/4	1.32	4	60
1 1/2	1.19	4	60
2	1.94	6	70
2 1/2	1.68	6	70
3	1.43	6	70
4	1.94	8	80

* The above is for HVAC applications, consult factory for information on cryogenic services and alternate jacket materials.

Joining Method:
Straight lengths of pipe will be joined by solder connection.

Fittings and Field Joints:
All fittings will be wrought copper in conformance with job specifications and will be insulated and jacketed with materials supplied by the system supplier and as per manufacturers standard procedures.

End Seals:
Each length of pre-insulated pipe will be fitted with a watertight mastic end seal at jacket and pipe surfaces. All field cuts will be sealed with a field applied end seal.

Anchors:
All pipe shall be anchored per system supplier's recommendations.

Backfill: (If below ground)
Should be tampered compactly in place so as to assure a stable surface. No rock should be used in the first foot of backfill. 24 inches, top of pipe to grade, of compacted fill shall meet H-20 Highway loading.

Manufacturer's Assistance:
Rovanco will provide a field service man on-site to properly train the installing personnel in all phases of installation. (if required)

Approved Vendors:
Copper Pipe System by Rovanco, Joliet, Illinois or approved equal. Any alternate supplier must submit their technical data to the engineer ten days prior to bid date to be approved in writing as an equal.

Contact Your Rovanco® Representative

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