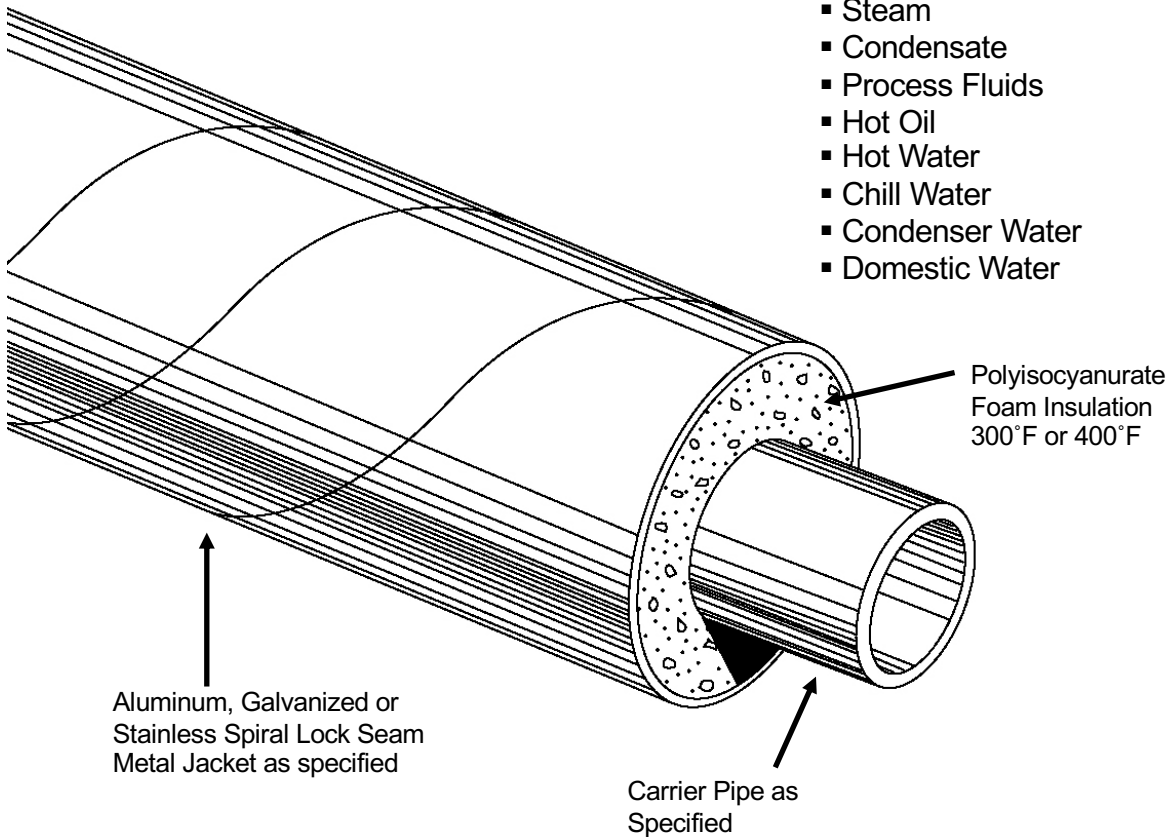


Rovanco Hi-Temp

High Temperature Above Ground for Plenums, Tunnels and Trenches (300°F / 400°F)



Rovanco's Hi-Temp is designed for above ground, indoor* & outdoor, piping systems. Insulated with polyisocyanurate foam in combination with a durable metal jacket supplied in 20' or 40' lengths, means an economical, high-quality system.

The Spiral lock seam metal jackets can be supported from the outside with maximum support spans and minimum guides. Fittings will be field insulated with material supplied by Rovanco.

* Suitable for indoor applications if 300°F polyisocyanurate insulation with a 25/50 Flame/Smoke rating is used.

The Hi-Temp System comes complete with metal cover, insulation, sealant and banding to make the installation completely watertight for above grade applications

Rovanco's Hi-Temp System with 400°F insulation can be operated at temperatures up to 400°F.

To find out more about Rovanco's Hi-Temp System, you can visit our factory, phone us (815) 741-6700, visit our website at www.rovanco.com or e-mail us at marketing@rovanco.com.

This is a generic product datasheet and is not intended for submittal use.

SPECIFICATION FOR OVERHEAD PLENUM, TUNNEL OR TRENCH HI-TEMP SYSTEM

Carrier Pipe:

Shall be A-53 Grade B Schedule 40 seamless or ERW (Schedule 80 for condensate). Lengths shall be 20' or 40', random as specified. Other metallic pipes available.

Insulation (2 Temps):

300°F

Hi-Temp polyisocyanurate foam insulation has a K factor of .14, density of 2.0, closed cell content of >90%, compressive strength of 30 psi, and service temperature of 300°F. Insulation must be capable of handling intermittent temperature spikes to 350°F. Conformance with ASTM Standards D1621, 1622, 1623, 2126, 2842, 2856, and C518-91. Completely filling the annular space between the carrier pipe and jacketing. Provide written independent performance certification with submittals. Meets 25/50 Flame Smoke Rating ASTM E84.

400°F

Hi-Temp polyisocyanurate foam insulation has a K factor of .145, density of 2.5, closed cell content of 87%, compressive strength of 30 psi, and continuous service temperature of 400°F. Insulation must be capable of handling intermittent temperature spikes to 450°F. Conformance with ASTM Standard D1621, 1622, 1623, 2126, 2842, 2856, and C518-91. Completely filling the annular space between the carrier pipe and jacketing. Provide written performance certification with submittals.

Jacketing Material:

Jacket Size In Inches	Aluminum Jacket Spiral Aluminum with impact and Chemical resistance equivalent to H-14 Temper T-3003 in accordance with ASTM-B 313 specifications	Galvanized Steel Jacket Spiral Seam Galvanized Steel in accordance with ASTM A-366 ASTM A-26 G90.	Stainless Steel Jacket Spiral Seam Stainless Steel in accordance with ASTM A-366 ASTM A-26 G90.
4	22 Gauge	26 Gauge	26 Gauge
6	22 Gauge	26 Gauge	26 Gauge
8	22 Gauge	26 Gauge	26 Gauge
10	22 Gauge	26 Gauge	26 Gauge
12	22 Gauge	26 Gauge	26 Gauge
14	18 Gauge	22 Gauge	22 Gauge
16	18 Gauge	22 Gauge	22 Gauge
18	18 Gauge	22 Gauge	22 Gauge
20 & larger	18 Gauge	22 Gauge	22 Gauge

Insulated Fitting and Joints:

All straight joints and fitting joint shall be insulated using material supplied by system manufacturer.

Jacket Fitting and Joint Cover:

Provide metal covers designed to fit snugly on the jacketing to provide a watertight closure. All covers shall be banded in place with 3/8" wide stainless steel straps and will be the same thickness as the jacketing.

Anchors:

All anchors will be 1/2" thick steel plate welded to internal pipe and sealed at jacket areas per manufacturer's recommendations.

Approved Vendors:

HT Systems by Rovanco, Joliet, Illinois. All other ISO Certified manufacturers wishing to bid on this project must provide the engineer with certified test data from either foam manufacturer or an independent testing agency that the product is capable of withstanding the service temperature continuously. The manufacturer shall obtain written approval from the engineer 10 days prior to bid date.

* Contact our home office or local representative for insulation sizing.

cc #04102024

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Contact Rovanco® for the name of your local Representative

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