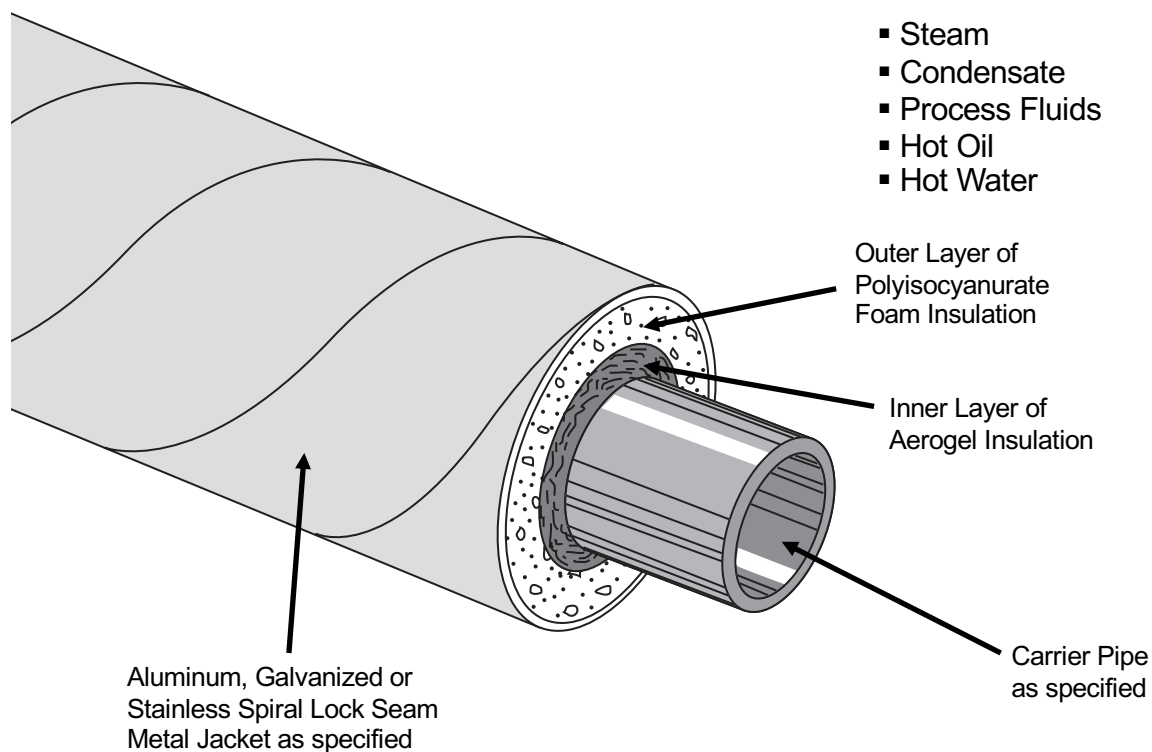


Rovanco Hi-Temp Elite Systems

High Temperature Above Ground (1100°F, 600°C)



Rovanco's Hi-Temp Elite is designed for piping systems above ground suitable for indoor or outdoor applications. Polyisocyanurate foam insulation and durable metal jacket supplied in 20' or 40' lengths, means an economical, high-quality system.

Rovanco's Hi-Temp Elite is provided with a spiral lock seam on a metal jacket of aluminum or galvanized steel. These jackets can be supported from the outside with maximum support spans and minimum guides. Fittings can be field insulated with material supplied by Rovanco.

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

Rovanco's Hi-Temp Elite System can be used up to 1100°F (600°C).

To find out more about Rovanco's Hi-Temp Elite System, you can visit our factory, phone us (815) 741-6700, fax us (815) 741-4229, visit our website at www.rovanco.com or e-mail us at marketing@rovanco.com.

SPECIFICATION FOR HI-TEMP ABOVE GROUND SYSTEM (1100°F, 600°C)

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:

Inner Layer

Shall be a nano porous & high temperature resistant glass fiber combined to make an aerogel blanket insulation. Aerogel blanket insulation shall either be banded on pipe with stainless steel banding on 18" center or shipped separately depending on insulation type. Insulation thickness shall be as specified.

Outer Layer

300°F polyisocyanurate foam insulation has an initial K factor of .14, density of 2.0, closed cell content of >90%, compressive strength of 30 psi, and continuous service temperature of -297° F (-182°C) to 300° F (148°C). Conformance with ASTM Standards D1621, 1622, 2126, 2842, 2856, C518 and E96. Completely filling the annular space between the containment casing and jacketing. Provide written independent performance certification with submittals. 400°F polyisocyanurate foam insulation available.

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.

Factory pre-fabricated and pre-insulated fittings are also available.

Anchors:

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

Approved Vendors:

HT Elite Systems by Rovanco, Joliet, Illinois. All other 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.

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Contact Rovanco® for the name of your local Representative

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