

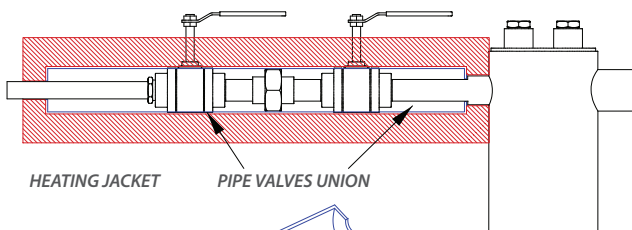
Heating Jackets with Thermal Sleeve

- 16ga Stainless Steel
- Simplifies Fit Geometry
- Oven Effect Indirect Heat to 1000°F
- Low Watt Density, 1.0 to 5.0 WSI
- Voltage, 120V to 480V/3ph
- Thermocouple or RTD Sensor(s)



Heating Jackets with Controls are Custom Designed System Solutions. Contact HTS/Amptek® and receive professional assistance for your application. Call 281.340.9800 USA central time. Email info@heatingtapes.com

Thermal Sleeve Jackets are a great solution for surface areas that are too uneven for typical direct fitting Jackets. The Sleeve fits over the uneven surface to smooth and simplify it allowing the Insulated Heating Jacket to fit over top. An envelope of heat may be created around the complex object.



METAL SLEEVE

This 1000°F application is too hot for tracing and too uneven for band heaters. The Sleeved Jacket assembly easily closes over the valves and union allowing the heat to saturate completely and accurately.



METAL SLEEVE & JACKET

Sleeved Jacket Heating Systems are custom designed. Once the concept is established, HTS/Amptek® will produce a drawing for customer approval. A temperature controller is required to regulate the Jacket(s). Single or Multi-Zone solutions are available from HTS/Amptek®.

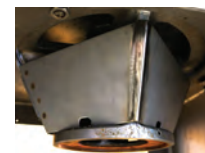
Typical applications may be as common as heating a valve.

This metal Sleeve design smooths the surface while the Jacket fits over the top to maintain a constant temperature. The space around the valve becomes an "oven".



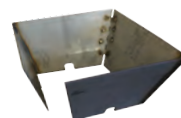
More difficult geometries require custom design solutions.

This machine segment needed even heat distribution.



This Metal Sleeve is a flat sided, truncated pyramid.

The final configuration is simple and easy to install and remove. The Sleeve and Heating Jacket are built in two pieces.



METAL SLEEVE



HEATING JACKET



COMBINED ASSEMBLY

Contact HTS/Amptek®, or your representative, to discuss your application...



HTS/Amptek® Company
info@heatingtapes.com
800.965.4316
011.281.340.9800

Thermal Sleeve Heating Jackets

heatingtapes.com

Jacket Assembly Features



Lead Wire is attached with a Strain Relief Loop, while the remaining MONO-Tape™ Element is stitched to the liner. Insulation and outer Fabric applied over-top.



CGB CORD GRIP

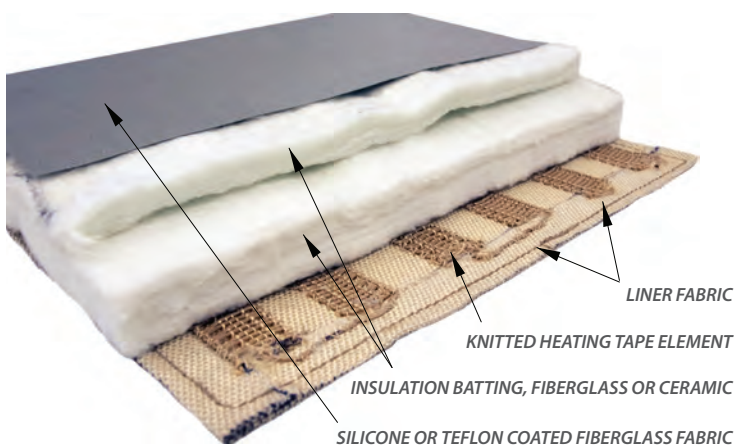


SENSORS



D-RING STRAP VELCRO® FLAP

Power and Sensor leads typically exit Jackets via Grommets. Strain Relief methods include CGB fittings or Silicone molded Grommet Inserts.



Knitted Heating Element:

The serpentine knitted Heating Tape Element is durable and impervious to expansion stress. The multi-strand wire is Nickel alloy and pre-insulated with two layers of braided AMOX™ yarn.

Element, Sensors and Power Leads Stitched to the Liner:

High temperature Jackets and Blankets feature machine attached Heating Tape elements which are stitched bonded in an even matrix for optimum heat transfer. Lead Wires, Jumpers and Sensors are stitched in place with adequate strain relieve and sleeving where necessary.

Insulation, Outer Fabrics and Closures:

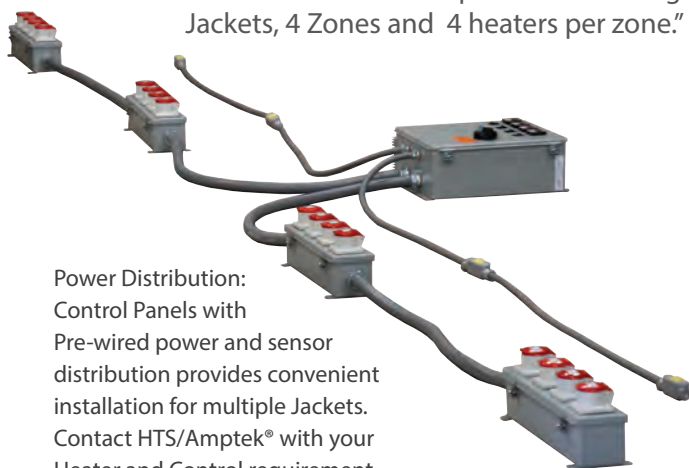
High temperature Insulation, TempMat™ or Ceramic Batting is applied in layers to preserve the shape of the Jacket. The outer Fabric is typically Silicone or Teflon™ coated providing strength and cleanability. Velcro Flap closures, with "D" Ring Straps, Grommets, Delrin Clips or Lacing Hooks.

Power Leads, Sensors and Plugs:

Lead Wires, Jumpers and Sensors exit Jackets via grommets or CGB fittings. They may be custom length and armored with Stainless flex. Desired connectors may be specified, such as Pin and Sleeve, Twist Lock, Single or 3/PH.

Heating Jacket Control and Distribution Systems available from HTS/Amptek®

"This 4 Zone Control Panel powers 16 Heating Jackets, 4 Zones and 4 heaters per zone."



Power Distribution: Control Panels with Pre-wired power and sensor distribution provides convenient installation for multiple Jackets. Contact HTS/Amptek® with your Heater and Control requirement.



Standard Controllers:
Standard Single Zone Controllers available from HTS/Amptek® are accurate and easy to use. Ideal for a Single Jacket, they are Auto-Tune PID with Solid State Relay output.



Custom Control Panels:
Control Systems may be Wall, Floor, Rack or Portable Cart mount type. Contact support at HTS/Amptek® for expert design consultation.

Contact HTS/Amptek®, or your representative, for a custom configured Control System...

To Order or Additional information:

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