Heated Jackets & Blankets

Description:
HTS/Amptek® Heavy Insulated Heating Blankets and Jackets are flexible insulation covers with integrally installed heating elements. These units are custom designed for each application to provide optimum fit and efficient heat transfer.

High Temperature Capability
Constructions:
HTS/Amptek tape elements are bundled fine strand resistance wire, 36 to 40 gauge, covered with a minimum of two layers of braided AMOX™ yarn.

Multi-Strand, Serpentine, Knitted Heating Tape Element
AMOX™ lined units may be operated to 1200°F, with exposures to 1400°F. Fiberglass cloth lined units may be operated to 900°F.

Out Performs 'Single Wire' or 'Served Core' type Elements
All HTS/Amptek tape elements are bundled fine strand resistance wire, 36 to 40 gauge, covered with a minimum of two layers of braided AMOX™ yarn.

Unlike other heated jackets, HTS/Amptek® tapes put more element length into a given area, providing longer life through better distribution of heat. (lower watts per inch of heater element)

High Temperature materials are inherently fragile. HTS/Amptek® knitted construction is the most rugged available.

Applications:
- Lab Mantles
- Pilot Plant Jkts.
- Vacuum Bakeout
- Process Ovens
- In-line Ovens
- Cleanroom Hrs.
- Reactor Heating
- Composite Bonding and Repair
- Process Maint.
- Pipeline Heaters
- Sample Heaters
- Mold Pre-heating
- Platten Heating
- Extruder Lines
- Post Weld Treat
- Pre Weld heating
- Hopper Heating
- Viscosity Control

Pipes & Tubing
"Tees" & Valves
Special Geometry
Vessels

All Jackets and Blankets are custom and built to order.
- Tubular
- Conical
- Flat Rectangular
- Flat Round
- Box Rectangular
- Combination

With Special Features, such as:
- Cut-Outs
- Velcro Flaps
- Straps & D Ring
- Multi Zones
- Sensors
- Armored Leads
Straps and 'D' Ring, Hook & Lacing, Velcro® Flaps & Eyelets:

Stainless Steel ‘D’ ring fittings are used with straps and velcro® flaps for most applications. Lacing hooks, buckles or eyelets and fabric ties, are some of the many options available.

Fiberglass, Amox™, Silica-Glass, Teflon®, Silicone and more:

Insulation materials are selected for each application according to performance and efficiency requirements. No Asbestos

Covers may be Silicone or Teflon® coated for moisture and abrasion resistance.

HTS/Amptek® Removable
Custom Heating Blankets & Jackets

Contact AmpTek for specific requirements...

- Shape Dimensions
- Insulation & Cover Materials
- Closure Methods
- Built in Thermocouples
- Heat Zones
- Lead Wire Configurations
- Watt Density
- Higher Energy Efficiency
- Clean Room Compatibility

Jacket & Blanket Special Features:

High temperature features and accessories such as multiple heat zones, armored lead wire, multiple sensors, twist-lock power connectors and temperature controls are just a few.

To Order or Additional Information:

Heating Blankets and Jackets designed for specific application. Contact your local HTS/Amptek Representative or Distributor or call us direct for order assistance.

Contact AmpTek with your mechanical, electrical and thermal requirements. Insulation type and thickness, voltage (single or 3ph) and watt density are important variables.

Special Designs are Standard!

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