

## Heating Blankets, Large Surface Area

- Custom Size, Modular, Fast Install
- Pre-Insulated or Flat configurations
- High Temperature, to 1200°F (649°C)
- Element Watt Density from 1 to 13.0 WSI
- Voltage, 120V to 480V/3ph
- Multi Heat Zones, Leads & Sensors



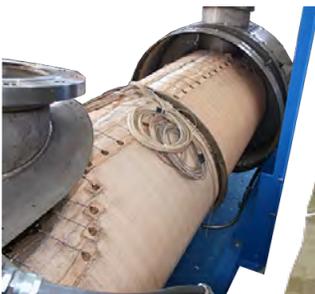
Heating Blankets with Controls are Custom Designed System Solutions. Contact HTS/Amptek® and receive professional assistance for your application. Call 281.340.9800 USA central time. Email info@heatingtapes.com

HTS/Amptek® Blankets are a great solution for flexible electric surface heat. They may be configured to fit on floors, plattens, ducts or wrapped around cylindrical surfaces such as pipes, cylinders, bottles and chambers. Large areas may be engineered using a modular approach having multiple heaters. Contact HTS/Amptek® for fast, professional design assistance.

All Blanket Heating Systems are custom designed. Heaters, Insulation, Controls, Sensors and Power Distribution are components of a complete system. HTS/Amptek® can coordinate a System Design, then produce drawings for approval before the fabrication may start.

### Flat Solutions for more Complex Shapes

Flat surface heat for cylinders, cones and rectangles becomes more of a



SCREW CONVEYOR HEATING BLANKETS, TO BE INSULATED AFTER INSTALLATION

LARGE ENCLOSURES HEATED USING A SYSTEMATIC BLANKET DESIGN APPROACH. OBSTRUCTIONS AND HEATED ZONES ARE FABRICATED AND PREWIRED.



TANK "DISHED" BOTTOM



STAR SHAPED BLANKET

challenge when cut-outs are necessary for ports, flanges, hangers and supports.

The "dished head" on the bottom of this tank required heat, and a unique design approach.

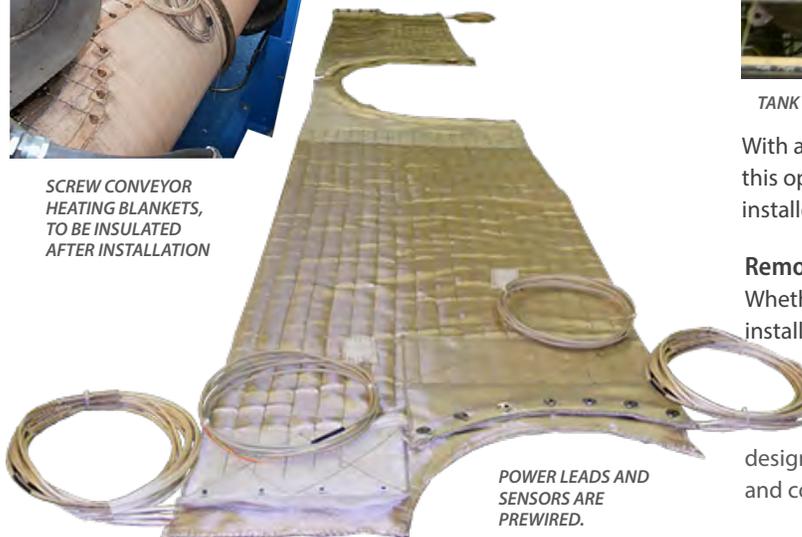
With an immovable drain in the center at the bottom, and a spherical shape, this open "star" shape fits against the bottom surface. Insulation would be installed over the heater to complete the assembly.

### Removable Insulation installed over top

Whether prefabricated Jackets or contractor installed, (soft fiberglass or similar) insulation must cover these blankets to maintain heat efficiency. For insulation method recommendations, trust HTS/Amptek® design engineers for thermal sizing, plus power and control system suggestions.



RECTANGULAR HEATING BLANKET



POWER LEADS AND SENSORS ARE PREWIRED.

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



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# Heating Blankets for Large & Small Area

heatingtapes.com

## Blanket Assembly Features



LACING HOOK FLAP

EYELET CLOSURE FLAP

Lead Wires and Jumpers are attached with a Strain Relief Loop, while the remaining Heating Tape Element is either stitched to the

liner or inserted in "pockets" to isolate each element strip. Once the Blanket is stitched closed, lacing hook or eyelet flaps complete the assembly.



## 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 Blankets feature "pocket" or direct installed Heating Tape elements which are distributed in an even matrix for optimum heat transfer. Lead Wires, Jumpers and Sensors are stitched/bonded in place with adequate strain relief and sleeving reinforcement where necessary.

## Outer Fabrics and Closures:

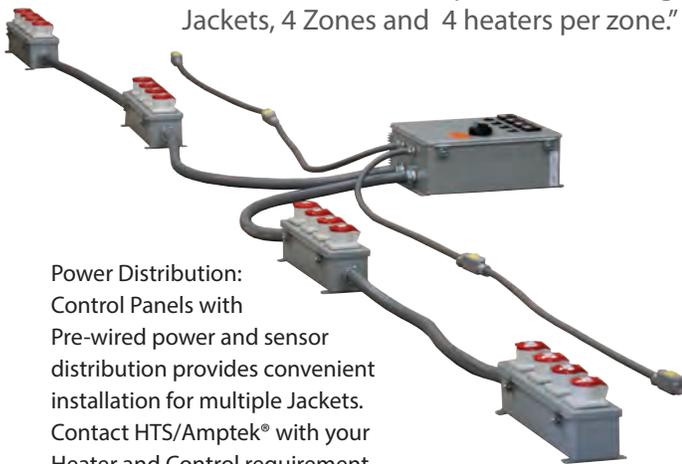
The outer Fabric, typically Fiberglass, Silica-Glass or AMOX™ provides flexibility and dielectric strength. Installation "closure" flaps are typically lacing hooks or eyelets.

## Power Leads, Sensors and Plugs:

Lead Wires, Jumpers and Sensors exit Jackets via sewn and reinforced tabs on the sides or ends where convenient. They may be custom length and armored with Stainless flex. Desired connectors may be specified, such as, Straight Blade, Twist Lock or Pin and Sleeve, in single or three phase.

## Heating Blanket 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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