

Wide Heavy Insulated Heating Tape

Description:

Wide Heavy heaters are made of two or more standard tapes sewn between layers of heavy fiberglass, or AMOX™ cloth. They are very flexible, and may be used on conductive surfaces such as metal as well as glassware and ceramic.



High Temperature Capability

1400°F AMOX™ Yarn Insulation:

AWH Wide Heavy Tapes may be operated to 1400°F, with de-energized exposures to 1600°F.

900°F Fiberglass Yarn Insulation:

AIH Wide Heavy Tapes may be operated to 900° F, with de-energized exposures to 1000° F.

Low Watt Density Design

13 Watts/In²:

AWH AMOX™ Wide Heavy Tapes are rated at 13 watts/in² of internal element.

8.67 Watts/In²:

AIH Fiberglass Wide Heavy Tapes are 8.67 watts/in² of internal element.

Knitted, Serpentine, Construction

Minimized Expansion, Vibration and Thermal Stress:

Unlike other straight element tapes, HTS/Amptek® tapes are knitted into sine wave configurations. The element is cushioned and supported by knitted warp fabric as it expands evenly in all directions rather than one.

Longer Life:

Knitting puts more element length into a given area, providing longer life through better distribution of heat. (lower watts per inch of wire)

Flexible:

Knitting yields ultimate flexibility.

Multi-Strand Wire Element

High Temperature and Flexible:

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.

Heavy Cloth Outer Cover

AWH, Amox™ Cloth or AIH, F/G Cloth.

The heavy cloth outer cover provides blanket type abrasion and dielectric protection for the element. This feature allows wide heavy tapes to be used on conductive surfaces.

Lead Wires, High Temperature

2 Ft. Leads on Each End:

The multi-strand, 'A' Nickel conductor is covered with two layers of AMOX™ yarn and impregnated with a high temperature binder.