



# Tubular Heating Elements

AccuTherm's years of manufacturing and application experience has been combined to provide a high quality product, off the shelf, at low cost.

It is our goal to provide you, the customer, with the finest product available, engineered to do the desired job in your application, at the lowest cost. Our stock allows us to do this with minimum lead time.

We feel that the AccuTherm line of Tubular Heaters are superior because of the following features:

## Features

1. UL & CSA Recognition.
2. Incoloy 840 sheath standard on all items-allows for the widest coverage of applications and temperatures, plus gives a margin of safety should there be any unknown corrosives or contaminants in the application.
3. High purity MgO powder compacted to provide maximum heat conductivity and optimum dielectric strength.
4. Type 'A' 80/20 resistance wire sized to provide lowest wire watt density for maximum life.
5. Fusion welded junction between pinresistance wire to provide a 360° circumferential joint, giving superior strength and life
6. Choice of end seals for a variety of applications. See item 2, adjacent column.

## Additional Optional Features

1. Mounting methods.
  - a.) Bulkhead fittings
  - b.) Brackets
  - c.) Flanges
2. End seals.
  - a.) Silicone resin for 300° F continuous maximum temperatures and the most economy.
  - b.) Epoxy for 266° F continuous maximum temperatures and high moisture areas.
  - c.) Vulcanized overmolded leads.
  - d.) Ceramic to metal end seals.
3. Formations to nearly every imaginable configuration-see link below.
4. Terminations-leadwires, plate terminals with screws, threaded stud.
5. Other sheath materials available; copper, steel, stainless, Monel 400, Inconel 600, Carpenter 20, Hastelloy and Titanium. Consult factory.

7. Integral cold pins centered in compacted MgO of nickel plated steel to provide optimum in current carrying capacity.
6. Special lengths, wattages and voltages.
8. 100% inspected for:
  - A. Dielectric or Hi-Pot between conductors and sheath.
  - B. Insulation resistance.
  - C. Wattage.
9. All stock Tubular Heaters are recognized components under U.L. file #E78533.

