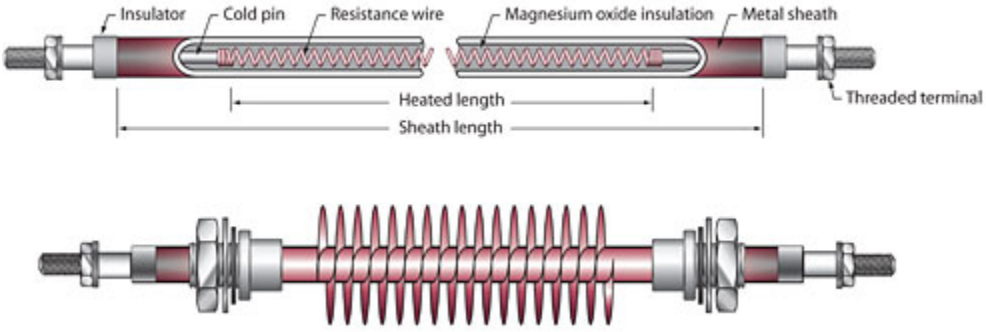
Finned Tubular Heaters



Finned Tubular Heaters

Finned Tubular Heating Elements

Finned Tubular Heating Elements are the most versatile, dependable and rugged of any heat generating device. These qualities make **Finned Tubular Heating Elements** an ideal heat source for many applications. **Finned Tubular Heating Elements** are the core of the most common heating solutions found today.

Finned Tubular Heating Elements designed and engineered by National Plastic Heater are made of the highest quality of materials. This gives you the most dependable heat source for your specific needs. When you have to rely on heat to get the job done, you can rely on NPH **Finned Tubular Heating Elements** to do it right.

Finned Tubular Heating Elements are a mineral insulated, metal-sheathed electric resistance heater. They are sometimes referred to as CalRod® Heaters.

National Plastic Heater offers you the absolute best **Finned Tubular Heating Elements** available.

Experts In Element Design

With many years of experience designing and applying heating elements, we have mastered both the science and art of **Finned Tubular Heating Elements** manufacturing. Your NPH heater will perform as you expect it to.

Figure 34

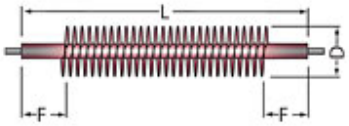


Figure 35

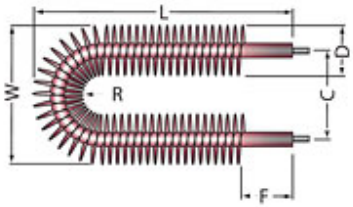


Figure 36

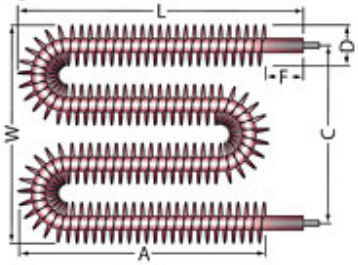
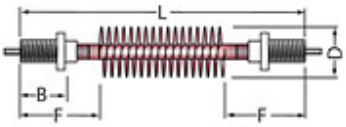


Figure 37



Fitting $^{1}/_{2}$-20 for 0.315" O.D element
$^{5}/_{8}$-18 for 0.430" O.D element
} Brass crimped on

Figure 38

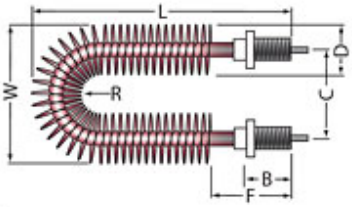
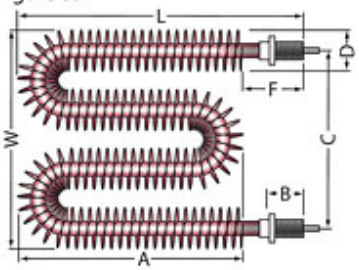


Figure 39



Components

NPH uses 80-20 ni-chrome wire, "A" grade magnesium oxide, and the highest quality tubing. Filling machines and roll reduction equipment are expertly maintained to manufacturer's tolerances, and final test equipment is fully calibrated. You can expect high quality from us.

Finned Tubular Heating Elements have 4 basic components:

1. Metal Sheath
2. Magnesium oxide (MgO)
3. Helix resistance coil
4. Cold section at each end

Here Is What Makes The NPH Finned Tubular Heating Elements Your Obvious Choice!

1. A variety of sheath materials are available for different application conditions.

These take into account corrosion and temperature factors. Let us help you choose the optimum sheath material to ensure the longest possible life for your application. Sheath materials include:

a. Steel
b. Copper
c. Titanium
d. Incoloy 800®
e. Incoloy 840®
f. Inconel 600®
g. 304 stainless steel
h. 316 stainless steel

2. Only grade "A", High Purity, MgO is used in all NPH heaters. This material contributes to better heat transfer properties and higher electrical insulation from the sheath. The result is a high quality heater which meets the rigorous demands of Industrial process applications.

3. The resistance element in all heaters made by NPH is a premium grade **80/20 Nickel-Chromium Alloy**. this material offers higher temperature capabilities and mechanical strength. As with the MgO insulation, a superiror heater component leads to a superior element.

4. The heater element requires a cold section at each end to keep the electrical terminals from overheating. A steel pin of the desired length is used for this purpose. It is spot welded to the helix coil element for a secure connection. In the final step of assembly, the pin is exposed at each end of the element and is ready to accept a variety of terminal options.

Why Are Finned Tubular Heating Elements So Widely Accepted For Process Heating?

- Extremely rugged
- Can be formed into many unique and complex shapes
- Can be finned for improved forced air heat transfer
- Easy to precisely control the heat output to perfectly match your process requirements
- Low capital cost
- Negligible maintenance
- Can be used in virtually every industrial environment up to about 1000°F (540°C)
- Has a proven track record of over many years and applications.

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Terms and conditions posted below apply:

http://www.nphheaters.com/terms.htm