

Duct Heaters

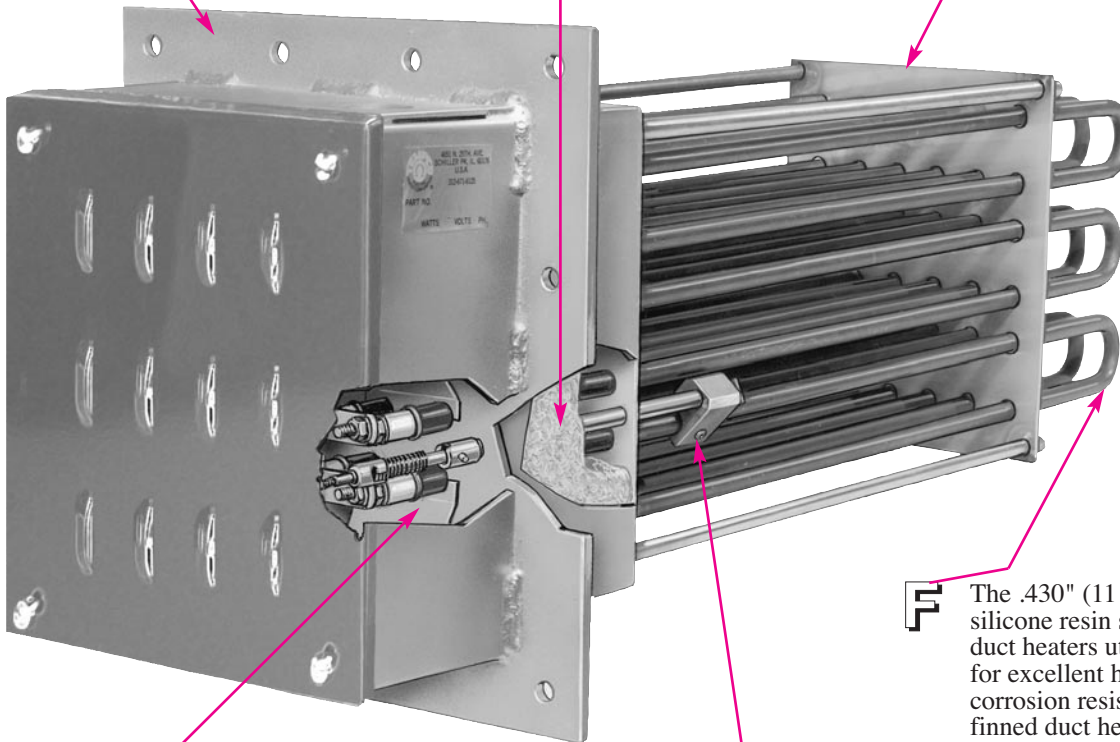
Forced Air Tubular and Finned Tubular Duct Heaters

A NEMA 1 terminal box enclosure with vented cover to help keep wiring cooler. Optional enclosures: NEMA 4 (moisture resistant), NEMA 7 (explosion resistant) and NEMA 12 (dust resistant).

B 3-1/2 inches (89 mm) of mineral insulation in a stainless steel enclosure below the mounting flange, minimizes heat losses while keeping the electrical wiring cooler.

C The heavy duty frame is composed of a 1/4 inch (6 mm) thick steel mounting flange, stainless steel support plate and corner posts to securely hold the heating elements rigid in any mounting position.

Standard Features

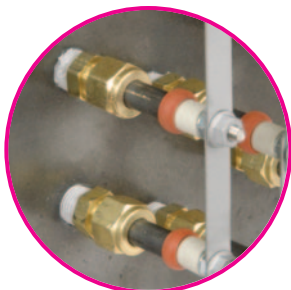


Finned Duct Heater

D Standard field replaceable elements are held in place with single-screw quick-release "V" clamps. Pressure resistant designs utilizing welded elements, bulkhead fittings, or compression fittings to attach elements to the flange are available to limit leakage of ducted air or gases into the terminal enclosure. Welded elements are used for gas tight applications.

F The .430" (11 mm) diameter elements are silicone resin sealed. High temperature tubular duct heaters utilize Incoloy® sheath material for excellent high temperature scaling and corrosion resistance. The medium temperature finned duct heaters have stainless steel fins on a corrosion resistant stainless steel sheath. High temperature Incoloy® elements have all bends repressed in special dies to recompact the MgO refractory to eliminate any electrical insulation voids and hot spots.

E A 9/32" (7 mm) inside diameter thermowell accessed through a 1/8" NPT tapped hole in the flange allows installation of an optional Type J or K thermocouple for sensing temperature within the element bundle. It can be clamped directly to an element for use as a high limit providing a faster response. An excellent safeguard for your system.



Compression Fittings



Bulkhead Fittings



Duct Heaters have been certified as Recognized Components by Underwriters Laboratories (File Number E90771) to meet UL standard 1030, and CSA certified to meet Canadian Standard C22.2, No 72 and 88 (File Number 043099).

These files specify end use limitations and conditions of acceptability for the use of this type of heater. For additional information consult Tempco.

If you require UL, CSA, or other NRTL Agency Approvals, please specify when ordering.