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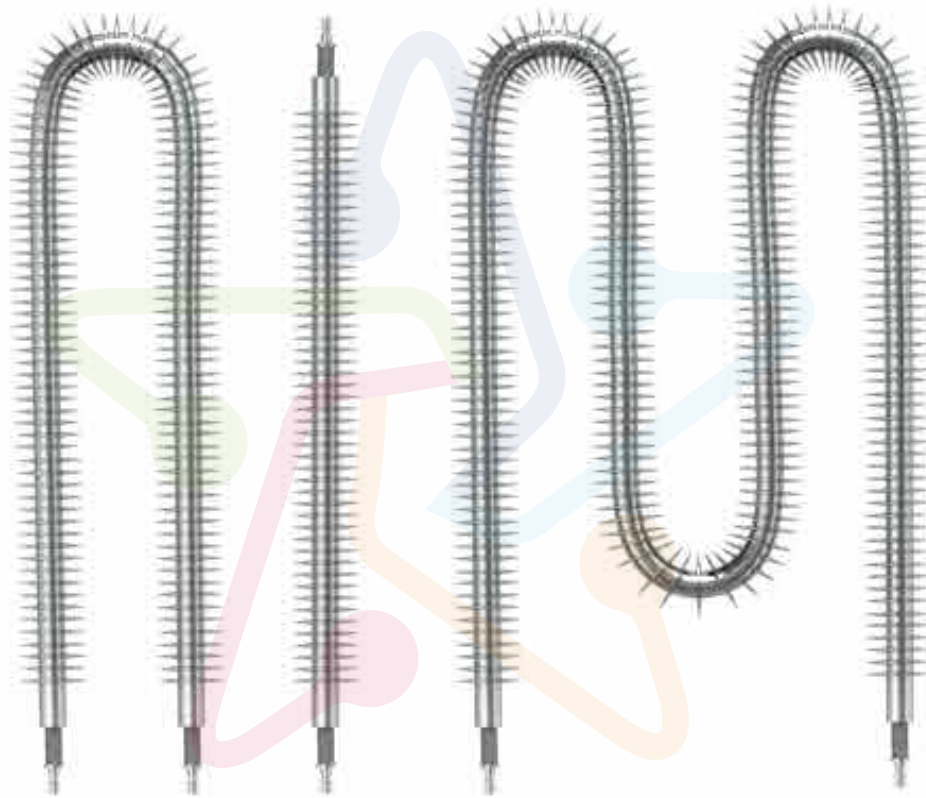
# DESIGN & MANUFACTURE ELECTRIC HEATING PRODUCTS

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**MAGMA TECHNOLOGIES** established in 2003 manufactures electric heating products. With over several years of experience, commitment and exclusive cutting edge technology, MAGMA offers most versatile and quality products and services in INDIA and Abroad as well. Magma aims to achieve control over all electric heating problems or projects that proves difficult to the buyer in all aspects whether technical or commercial area.

Magma designs and manufactures commercial and industrial electric heating and control systems that set the industry for excellence. Our main focus is to build custom made electric heating elements for customers from domestic specialists to industrial manufacturers who need a new heating solution or who can't find a replacement for their machine / appliance. We deliver satisfaction by giving total electric heating solution package from start to finish in any project.

Magma is fully equipped for all challenges whether internally or externally managed situation. Our quality checks are done in house. We can undergo any certification (PRODUCT OR COMPANY) process of different - different countries if the deal so demands.



# **FINNED TUBULAR HEATERS**

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MAGMA Tubular heating elements are the most versatile and the best suited solutions to a large number of applications. Inside the metal tube, a heater coil is embedded and electrically isolated in highly compressed magnesium oxide. The optimized structure and very high density of the magnesium oxide form the basis for the excellent mechanical and thermal characteristics of the MAGMA Tubular Heating Elements. They can also be fitted with thermostats and temperature limiters in most applications. Tubular heating elements perform exceptional heat transfer by conduction, convection or radiation to heat liquids, air, gases and surfaces. Bends are made to customer requirements.

Tubular elements from MAGMA are factory-configured to almost any shape or size. Custom bending diameters can be made upon request. Typically using steel, stainless steel, Incoloy, Inconel or titanium alloys, tubular elements are often regarded as the foundation of all heating elements. These heating elements have a strong outer sheath to help protect the heater from physical stress and uses high quality alloys to allow efficient heat transfer from resistance coil to your heating medium.

Durability of finned tubular heater is affected by two critical factors i.e. sheath material and its watt density. As steel is very efficient in heat transfer the standard finned tubular heaters are made of steel sheath and steel fins (750°F max. surface temperature). These heaters have a plain-surface finish. Finned tubular heaters could be made with stainless steel sheath and stainless steel fins for corrosive environments or high temperature applications (above 750°F). Safe watt densities that keep surface temperatures below allowable limits depend on the speed of the incoming air and its outlet temperature.

- To heat stagnant air
- For heating circulating air and air flows
- For gas heating
- For heating of air ducts
- As pre-heating unit in machines
- In air-conditioning ducts
- In industrial furnaces and drying chambers
- For shrink packaging machines
- Heating elements in air heaters