Heating Technologies

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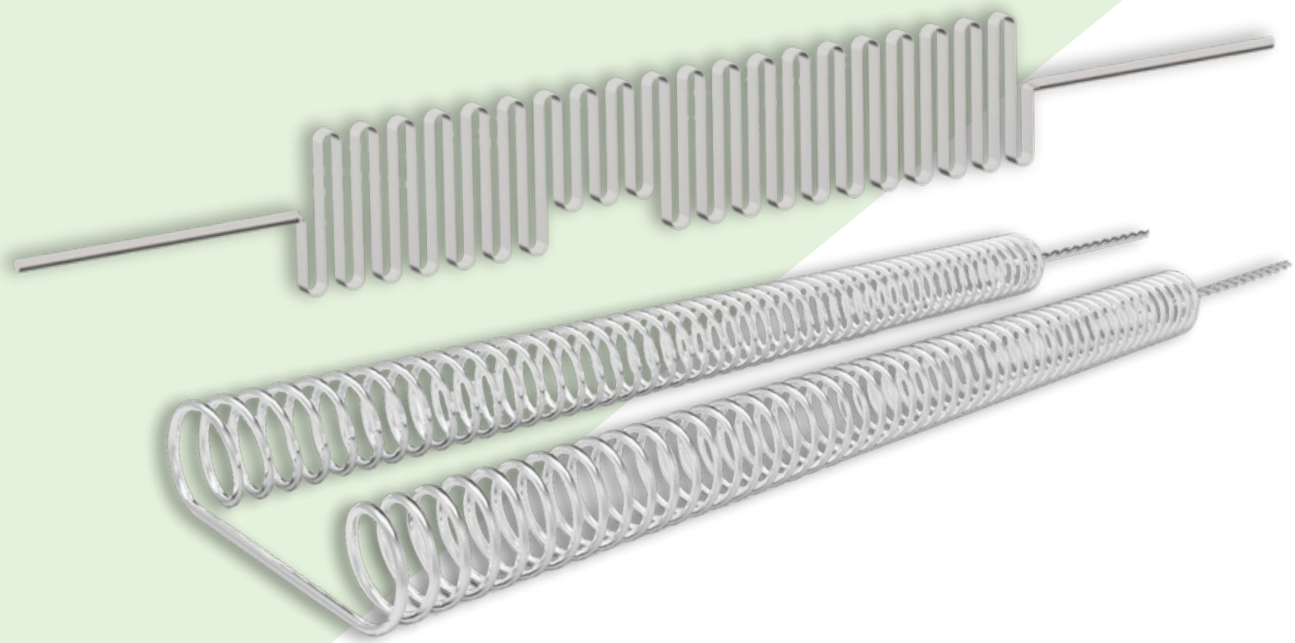

OPEN-COIL HEATERS

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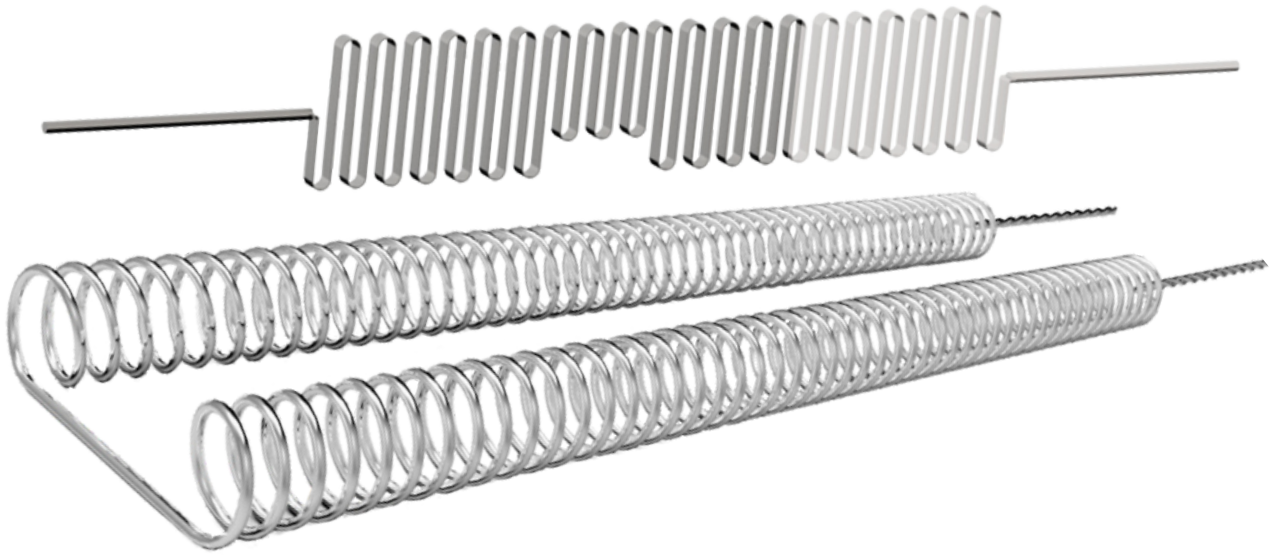
OPEN COIL & SINUSOIDAL STRIP :

Heating elements are open circuits that heat the medium directly. They are made of coiled resistance wire or strip (typically made of ferritic alloys FeCrAl or Ni-Chrome alloys) that is connected onto a supporting insulation body, such as ceramic tube, ceramic fiber board, insulation refractories, etc. These elements, which are regarded as the most effective, adaptable, and financially viable heating solution, have quick heat-up times due to direct heat transfer to objects via radiation without the need for an insulating layer. This increases productivity and is made with low-maintenance, low-cost replacement parts. The wire emits heat when an electrical current is applied to it.The wire is attached to the control panel, which fills the air handling unit's tunnel and controls how much heat the electric heater produces. It is recommended to utilize SSR or SCR switching devices due to their low bulk and quick response time. They act as a covert way to reduce the need for watt density and stop the degradation of heat-sensitive products. With the option of dispersed wattage, the heater can be shaped into a small, coiled nozzle heater that provides heat in all directions.



Technical details.

Heating Wire/Strip	Ni-chrome Alloys or Ferritic Alloys FeCrAl
Watt Density	Up to 5 W/cm²
Operating Temperature	Up to 1100°C
Length	Customize
Controls	SSR/ SCR/Relays/RTD
Terminations	Customized
Fixing	Mount on ceramic tube, ceramic fiber board or insulation refectories.

Applications.

- **Direct furnace heating application**
  Muffle furnaces application Air heating
  Heating in a vacuum environment

Benefit.

- **Fast heat up time Low maintenance cost and easy replaceable Low cost because of no need extra accessories.**

If you have specific design needs or want to discuss a custom project, please reach out to us.