GET A QUOTE

Serpentine Replacement Element (SRE)

Field-replaceable Upgrades for Air Heaters

TUTCO SureHeat SRE (Serpentine Replacement Elements) are high-performance process heating cartridges featuring six high-watt density Serpentine™ elements in each assembly. Engineered as an upgrade for European field-replaceable element cartridges, they are compatible with various popular process heating products.

Unlike other heating element solutions, Serpentine™ Technology supports the heating wire along the entire length of the coil. Supporting the entire length eliminates many of the stresses placed on the wire during the heating and cooling process. Supporting the element wire is critical for processes that index the heater. Unsupported heating element coils are also very vulnerable to premature failures in horizontal mounting positions. SRE products can be mounted vertically or horizontally and are built for demanding processes. Additionally, the design creates a higher air-to-wire surface contact. The increased contact improves high-temperature capabilities and offers faster ramp-up time. The SRE build construction is built for industrial processes and very heavy duty. Stainless steel housings, high-quality connectors, and machined ceramics all contribute to the SRE's design durability.

Key Features

- Direct replacement for air heater elements manufactured in Europe
- Durable 304 Stainless Steel housing
- Heavy-duty electrical pin connectors High-temperature ceramic inner housing
- Mica-wrap for double insulation
- Elements supported by threaded ceramic rod
- Gold-plated high current contact pins

The Advantage of Serpentine™ Technology

Serpentine™ Technology was first introduced and patented over 50 years ago. The technology has continued to evolve to meet global demand for higher temperatures and improved processes. In today's fast-paced business environment, customer expectations are higher and product life cycles are shorter. Getting reliable products quickly to market has never been more critical for success. Where other companies falter, TUTCO's capabilities position the company ahead of the competition and provide long-term value as a proven global manufacturing partner.