

High-Density Cartridge Heater

High-density cartridge heaters are cylindrical electrical heating elements. Protected with a stainless steel sheath, their watt density can reach 30 W/cm² and their operating temperature can go up to 800°C (1472°F).



Product Overview

High-Density Cartridge Heater

These high-density cylindrical electrical heating elements are engineered for demanding industrial applications. Encased in a durable stainless steel sheath, they deliver robust performance with watt densities reaching 30 W/cm². Designed for versatility, they are primarily used for heating solids such as injection molds and heating plates, but also support water and gas heating under specific conditions.

Technical Specifications

Max Watt Density

30 W/cm²
Watt Density

Max Operating Temperature	800 °C
Rated Voltage	600 V
Rated Power	27 W

Design & Construction

Sheath Material	Stainless Steel
Form Factor	Cylindrical

Applications

Primary Applications

- Injection molds
- Heating plates
- Solid heating
- Water heating (specific conditions)
- Gas heating (specific conditions)

Served Industries	Automotive, Food Processing, Chemical, Electronics, Medical Equipment, Packaging, Nuclear
-------------------	-------------------------------------------------------------------------------------------