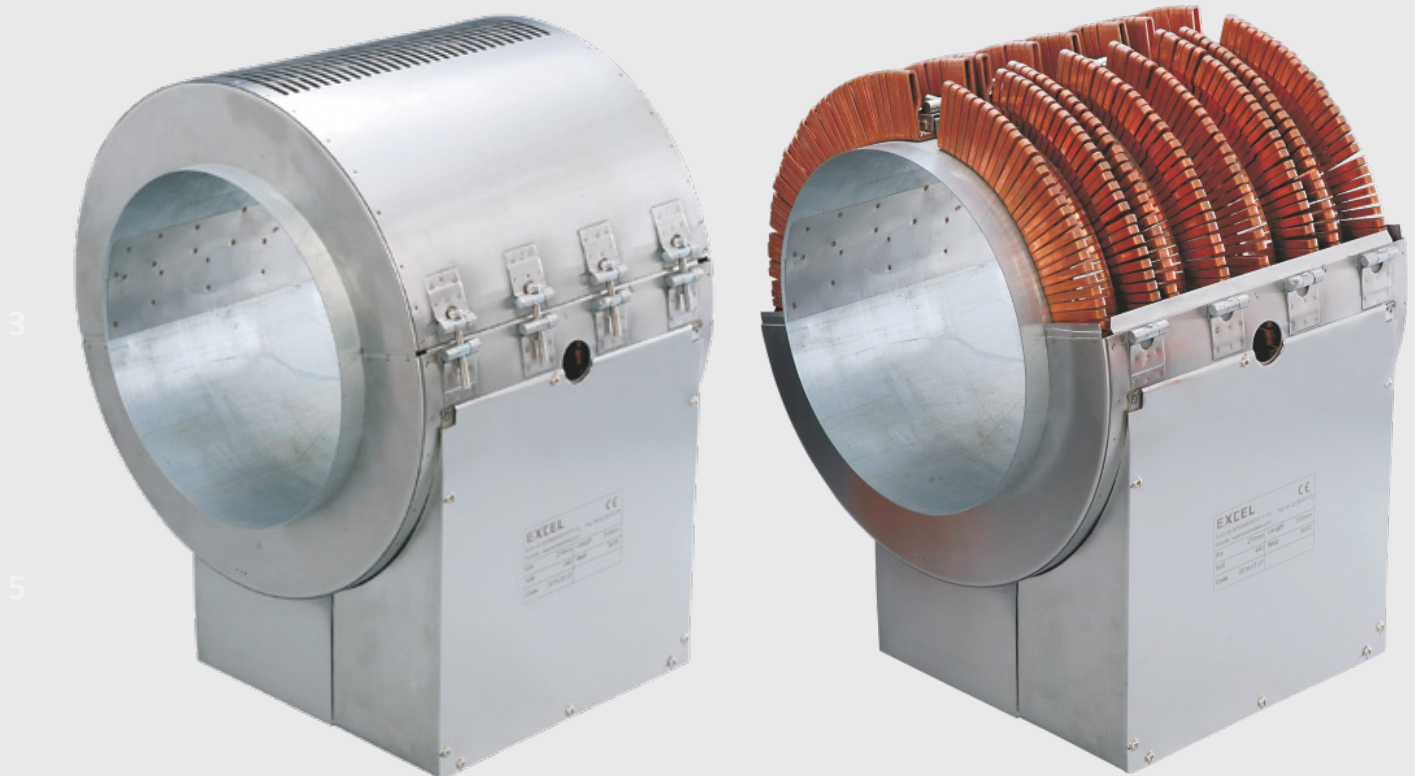


## Cylinder Barrel Heating For Temperature Sensitive Application

**Applications:** Plastic Processing Machines where heating as well as cooling is important along with precise temperature control requirement.

### Technical Specifications

- ▶ Temperature upto 800°C or 1500°F
- ▶ Inner Diameter 4" or 100mm and up
- ▶ Width 4" or 100mm and up
- ▶ Voltage Up to 480 V (single or three phase)
- ▶ Watt Density Up to 45 W/in<sup>2</sup>
- ▶ Fins Material Copper or Aluminium
- ▶ Resistance tolerance NEMA Standard plus 10% Minus 5%
- ▶ Wattage Tolerance NEMA Standard plus 5% Minus 10%
- ▶ Terminals As per requirement
- ▶ Outside Metal Body Material Stainless Steel SS304
- ▶ Clamping Arrangement M6 fastner



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## Features

- ▶ Perforated Ceramic Heaters are used on the inside with 60% open space for more efficient cooling, thus maintaining precise temperatures
- ▶ The Heater band is covered with an external SS enclosure for mounting the blower. Advantages of air cooled operations include: lower cost, easy replacement, low maintenance, no leakages and precise temperature control
- ▶ Copper and Aluminium is used for fins since these material are really good conductors of heat, which helps in quick response to temperature changes and helps in applications where precise temperature control is required
- ▶ The outer cover casing of the heater is made from stainless steel sheet, with detachable cover for simple assembly & mounting flange for cooling fan
- ▶ Specially designed internal air distribution channels and exhaust vents for uniform blower cooling
- ▶ Spacious terminal box for electrical connection

