

Cylindrical Heating Applications for quick response to over-shooting temperatures

Applications: Plastic Processing Machines esp. Extruders, Blow Moulding for extremely precise temperature control for heat sensitive polymers

Technical Specifications

- ▶ Max Operating Temperature 800°C or 1500°F
- ▶ Heater Inner Diameter 2½" or 65mm and up
- ▶ Width 1½" or 38mm and up
- ▶ Thickness 12mm
- ▶ Rated Voltage Upto 480 V (single or three phase)
- ▶ Watt Density Upto 50 W/in²
- ▶ Resistance Tolerance NEMA Standard plus 10% Minus 5%
- ▶ Wattage Tolerance NEMA Standard plus 5% Minus 10%
- ▶ Terminals Junction Box fitted with braided cable & Post terminals & many more options
- ▶ Sheath Material ALSTAR Aluminium coated steel (rust protection, high heat retention, faster heating)
- ▶ Clamping Arrangement M6 & M8 fastner



Features

- ▶ Working Principal: forced convection by blower air for quicker response to overheating, thus accurately controls temperature of the barrel
- ▶ Mounting Arrangement: Separate blower is fitted on the bottom of the flange of heater. Heater along with blower is mounted on an aluminum perforated ring (high thermal conductivity) which in turn, is mounted on barrel. Aluminum ring provide air distribution channel
- ▶ Function: As soon as barrel exceeds set temperature, blower is turned on. Excess heat from barrel is carried away by the air through forced convection. Via rapid heat up and accelerated cool down feature, it responds very quickly in case of even a minute deviation from set temperature. Thus, it reduces thermal shocks, material burn-out problem and maintenance related problems