

CERAMIC JACKETED HEATERS

Top Quality Power Saver



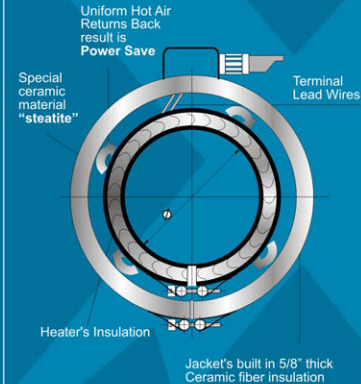
FEATURES

- Ceramic Jacketed Heaters are EXCEL's premium product since Three decades
- Especially to heat the cylinders (barrels) on all types of plastic(s) processing machinery
- The key to the ceramic-jacketed heaters is its superior design to save power
- Outer insulation jacket conserves energy
- **Up to 30%** of power consumption reduces
- Maximum watt density = 50 watts/square inches
- Note : In case where high watt densities are required, it is important that all heaters should be used with appropriate, approved and precise temperature control/sensor device(s)
- Maximum sheath temperature up to 800°C
- Use of special ceramic material "steatite" with high thermal conductivity
- The model is designed & constructed with special effective dual insulation which reduces the rate of heat radiation/loss, resulting swift rise in the temperatures of the object to be heated
- Uniform heat distribution throughout the barrel
- Reduction of thermal shocks on polymer melt, resulting in improved quality
- Good shine of your finished products
- Increases productivity
- Ceramic Jacketed heaters meet progressive requirements of the plastic processors



**UP TO 30%
POWER SAVER**

CERAMIC JACKETED HEATERS



WORKING PRINCIPLE

The key to the ceramic-jacketed heater is its superior design to save the power. It is constructed with EXCEL's exclusive DUAL INSULATION - first is the heater's built-in insulation & second is the jacket's insulation. The heat transfer in the ceramic heater is by convection & radiation. The heat dissipation from the heater's built-in insulation will be prevented by its outer jacket. Hot air will be trapped between the gap. The process of heat exchange is making a uniform layer of heat all over the barrel. The jacket has insulation lining which further prevents the heat loss. This process reduces the rate of heat radiation, resulting in swift development of temperature. Quick response to temperature controller will have more "off" cycles at maintained set temperature. Result is saving of electric power.



- Reduce Heat loss
- Maximize operator Comfort
- Conserve Energy
- Reduce overall Operation Cost