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UDYAM-
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Heating Technologies



Ceramic infrared HEATERS

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- The Elmec Speciality thermocouple operates on the principle that clear quartz glass is an excellent transmitter of infrared radiation. Infrared heaters are one of the most efficient and rapid means of transferring heat into an object.
- By placing a clear quartz tube over the heating wire and keeping the thermocouple in direct contact with the tube, the heat is rapidly transferred into the thermocouple, and so the temperature change in the element is closely followed. This system prevents displacement of thermocouple during the casting process.



If you have specific design needs or want to discuss a custom project, please reach out to us.



Power Consumption	450 W
Color	White
Heater Material	Ni-Cr
Surface Temperature	800 DegreeC
Voltage	240V
Thermocouple Type	Inbuilt K-Type
Thermocouple Temp Range	1250 DegreeC
Wavelength	Medium Wave
Emission Efficiency	90%

Note: Watt density depends largely on the fluid to be heated and it can vary anywhere between 0.7w/cm² to 15W/cm².