



OMEGA
HEATER
COMPANY

Air Cooled Ceramic Heater Assembly For Extruder Barrels



Ceramic Air Cooled Heater Assembly is an excellent alternate to water-cooled or air-cooled cast aluminum heaters. Because of reduced mass both heat up and cool down times are minimized. No leaks and no clogged tubes and no messy operations.

The heaters are manufactured with perforated stainless steel sheath and no insulation, which can trap heat. They are spaced apart to expose the barrel to the airflow for faster cooling.

The number of heaters and their width will be based on the watt density to allow for optimum heating and cooling areas. Each heater will be made for single phase and multiple heaters can be wired for three-phase operation. Thermocouple holes can be provided as required. Even with the exposed barrel design, the total watts of the original cast heaters can be maintained because of the high efficiency of the ceramic heaters. With our UltraThin[®] construction even higher watt densities are available, if required.

The outer shroud is made of stainless steel sheet metal. Its hinged design allows it to be installed over the heaters after they are installed and wired on the barrels. The shroud is completely independent of the heaters. It can be taken out while the heaters are still connected. This enables easy replacement of heaters. The shroud has separate openings for power and thermocouple wires in the gap area. Latch & trunion lockup for easy installation is a standard feature.

The blowers are standard catalog house items, which can be purchased by the end user. We will provide suitable footprint for easy installation.

Contact us with your requirements, and we will engineer one for your application.

Omega Heater Company • Ronkonkoma, NY 11779 • Tel: (631) 588-8820
Fax: (631) 588-8953 • Web Site: www.omegaheater.com