Tempco's Arctic Cast Shroud System was our pioneer shroud design for the air-cooling of extruders. The cooling efficiency of the Arctic Cast shroud system meets or exceeds that of water-cooled systems when used with our field proven high-capacity blowers.

The Arctic Cast shroud features a vented 1/4" thick cast aluminum layer for durability. The cast-in heaters are designed with a large fin surface area to maximize cooling efficiency. The blower port directs inlet air to the hottest part of the heater, distributing it evenly over the entire cross section of the zone.

**Arctic Cast Extruder Heat/Cool System**

**Arctic Cast**

**Arctic Cast® Shroud System**

**Arctic Cast® Extruder Heat/Cool System**

**Usage Requirements**

This rugged shroud design is recommended for installations where the shroud system could be exposed to physical damage, such as instances where the extruder barrel is low to the ground. It is suited to work with Tempco’s Specially Designed Finned Cast-In Aluminum Heater and cannot be used on any existing finned cast-in heaters.

**Arctic Cast Construction Details**

**Single Layer Shroud**

- Vented 1/4" thick Cast Aluminum layer – directs the cooling air flow over the heater

**Shroud Assembly Features**

- Two Individual Halves bolted together (Two-Piece) and clamped around finned cast heater
- Blower Options – See Pages 3-41 through 3-43 for complete details
  - Single or Dual Tempco Recommended Blowers available from 148 CFM up to 1210 CFM at 115V or 230V, or 480V 3-Phase
  - Customer Specified blower
- Blower Location
  - Vertical Orientation – at the bottom of the shroud
  - Custom location achieved only by rotating entire shroud system
- Standard top Air Outlet
  - Custom location achieved only by rotating entire shroud system
- Shroud Air-Inlet Baffle with built-in air deflector that breaks up incoming airflow, distributing it across the cast-in heater(s)

**Ordering Information**

See Page 3-40 for complete Ordering Information.

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