Tempco’s Multi-Versal extruder heat/cool systems are designed for efficient heating and cooling. The shroud systems can be used with many styles of band heaters. Due to the single layer design, the Multi-Versal shroud system has a low profile OD.

The reflective interior of the shroud decreases the heat-up cycle, reducing energy consumption. The unrestricted blower port directs inlet air to the hottest part of the heater and distributes it evenly over the entire cross section of the zone.

**Multi-Versal Extruder Heat/Cool System**

**Usage Requirements**

A highly adaptable single layer shroud, suited for retrofit and/or new applications regardless of the type of barrel band heater being used.

**Multi-Versal Construction Details**

**Single Layer Shroud**

- **Solid Stainless Steel Layer** – radiation shield that directs the cooling air flow over the heater

**Shroud Assembly Features**

- **Two Mounting Styles are available:**
  - **Hinge with Barrel Clamps** – designed for ease of installation
  - **Two Individual Halves with Barrel Clamps (Two-Piece)** – used where installation space is tight or mounting is difficult
- **Internal Support Straps or Support U-Bolt on blower mount half of shroud permits shroud to be opened for servicing without removing unit from barrel
- **Anti-Rotate Tabs** – used only with Finned Cast-In Heaters to prevent shroud from radial and axial movement around the barrel
  - **Tabs are cast as part of the heater and may require a Terminal Box**
- **Blower Options** – See page 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 not required for Heat-Only Shrouds**
- **Blower Location**
  - **Horizontal or Vertical Orientation**
  - **Extension Housings Available**
- **Standard separate top Screened Air Outlet**
- **Optional Screened Air Outlet Features Include:**
  - **Air Outlet combined with Terminal Box**
  - **Alternate Radial Air Outlet locations available**
- **Shroud Air-Inlet Baffle Optional**
- **Vent Hole(s) Optional**

**Heater Type and Components**

- **Recommended Heater Types** – Finned Cast-In Heaters with standard 1/4” gap between heater halves, Ceramic Band and Maxiband Heaters
- **Power Input Terminal Box with 7/8” dia. K.O. for 1/2” conduit:**
  - **Standard 10-32 stud termination with ceramic or mica insulator**
  - **With Louvered Cover** – used when terminal box is separate from air-outlet
  - **Stainless Steel Screen** – used when terminal box is combined with air outlet
- **Power Input through Blower Mount** – input wiring through knockouts in blower mount eliminates terminal box and facilitates ease of heater service

**Sensing and Controlling**

- **Existing Zone Control Probe** – Shroud System can be designed per customer specifications
- **Tempco supplied Zone Control Probe**
- **Tempco customized Power Control Panel designed to complete Your Thermal Loop System**

**Ordering Information**

See Page 3-36 for complete Ordering Information.

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