

### Multi-Versal Extruder Heat/Cool System

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.

## 2 – Multi-Versal Construction

### Multi-Versal Extruder

**Solid, Stainless Steel  
Single Layer Shroud**

### 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 Air Outlet combined with Terminal Box at top**
- \* **Optional Air Outlet Features Include:**
  - ➔ **Air Outlet separate from Terminal Box**
  - ➔ **Alternate Radial Air Outlet locations available**
- \* **Shroud Air-Inlet Baffle Optional**
- \* **Vent Hole(s) Optional**



Multi-Versal shown with horizontally mounted blower & vertical combination terminal box & air outlet

#### 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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