

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.

(800) 323-6859 • Email: sales@tempco.com