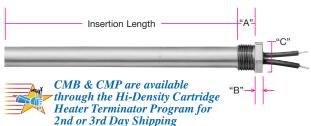


Mounting Fitting Termination & Option

Cartridge Heater Termination — Single Ended National Pipe Thread (NPT) Fitting

TYPE CM Fig. 1 – Fitting Flush with Lead End of Sheath



NOTE: Stainless steel fittings are available through the Terminator program for heaters 1/2" diameter and larger.



Note: Fitting can be offset from end of sheath. See Figure 2, Single Threaded Mounting Options CMV and CMW below.

Standard	NPT	B	usl	hing	Dimensions
	(Fig.	1	&	Fig.	2)

Heater Diameter (in)	NPT Size	" A "	"B"	"C"
1/4	1⁄8-27	3/8	3/16	7/16
3/8	1⁄4-18	1/2	3/16	9/16
1/2	³ / ₈ -18	9/16	1/4	11/16
5/8	1/2-14	5/8	1/4	7/8
3/4	3⁄4-14	3/4	1/4	1-1/8
7/8	1-11½	3/4	1/4	1-3/8
1	1-11½	3/4	1/4	1-3/8
1-1/4	11/4-111/2	7/8	5/16	1-3/4

Type CM Single Threaded Fitting Mounting Termination Fitting Flush with Lead End of Sheath

Available on HDC, HDM, and LDC cartridge heaters

A single threaded pipe fitting is attached to the end of a cartridge heater to allow for installation into a threaded hole. Brass fittings are silver brazed and stainless steel fittings are heli-arc welded. Available with the potting seals listed in the table.

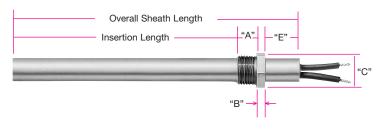
Potted end seals help to protect the heater from moisture or contamination from plastic material, cleaning solvents, or oils. The bushing cavity can be sealed with various materials such as:

- **CMA/CMN** Low temperature epoxy potting 266°F (130°C), UL rated to 194°F (90°C) Teflon[®] leads internally connected, rated 392°F (200°C).
- **CMB/CMP** Hi-temp cement potting with silicone varnish 1000°F (538°C)
 - Fiberglass leads internally connected, rated 482°F (250°C).
- **CMC/CMQ** Silicone rubber potting 392°F (200°C) Silicone rubber leads internally connected, rated 392°F (200°C).
- **CMD/CMR** High temperature epoxy potting -450° F (232°C) Teflon[®] leads internally connected, rated 392°F (200°C).
- > A minimum of 1/4" unheated section below the bushing is required.
- **Standard** 10" (254 mm) leads. Specify longer leads.

Type Codes for Single Threaded Fittings						
Potting Seal Type	Fitting Material Brass Steel					
Low Temp Epoxy	СМА	CMN				
Hi-Temp Cement	CMB	СМР				
Silicone Rubber	CMC	CMQ				
Hi-Temp Epoxy	CMD	CMR				

Single Ended National Pipe Thread (NPT) Fitting Option

TYPE CM Fig. 2 – Fitting Offset from Lead End of Sheath



Type CM Single Threaded Fitting Mounting Option Fitting Offset from Lead End of Sheath

Available on HDC, HDM, and LDC cartridge heaters

This mounting option available with many terminations attaches a fitting offset from the lead end of the sheath. This option is useful when the lead wires need to be kept away from the heated area. Brass fittings are silver brazed and stainless steel fittings are offset heli-arc welded.

CMV Brass Fitting

CMW Stainless Steel Fitting

- > Specify offset dimension "E" when ordering.
- > A termination must be specified separately.

Hi-Density Cartridge Immersion Heater Specifically Designed for Heating Water & Other Liquids



See Page 2-23.

View Product Inventory @ www.tempco.com