

# LIGHTWEIGHT OIL IMMERSION HEATER

## With 2 Element Design—2 NPT Steel Screw Plug

MTO-2 Series  
Starts at

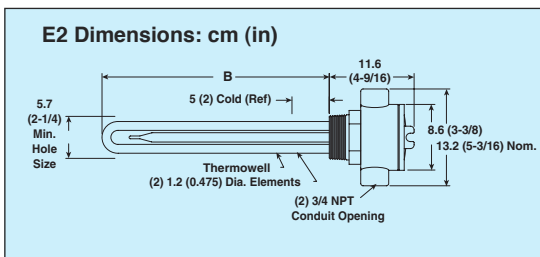
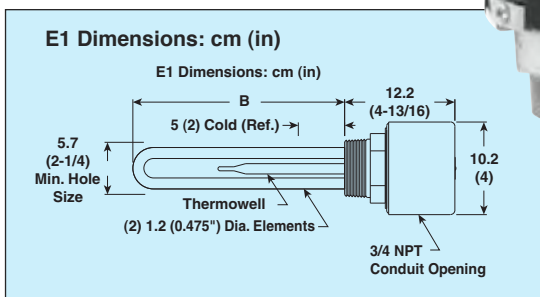


- ✓ Rugged Steel Sheath for Use with Lightweight Oils
- ✓ 1.5 to 6 kW
- ✓ 120, 208, 240 or 480V; 1 Phase
- ✓ General Purpose<sup>1</sup> NEMA-1 Rated and UL Listed Enclosure or Moisture Resistant/<sup>2</sup> Explosion Enclosure<sup>2</sup>

Note: The immersion heater should be used with an approved temperature control device to assure safe operation. See Temperature Section for our selection of process controllers.

### SPECIFICATIONS

**Wattage:** 1.5 to 6 kW  
**Power:** 120, 208, 240 or 480V; 1 phase  
**Watt Density:** 23 to 26 W/in<sup>2</sup>  
**Sheath:** 1.2 cm (0.475") diameter  
**Screw Plug:** 2 NPT steel  
**Enclosure:** E1 general purpose<sup>1</sup>, NEMA-1 rated, or type E2 moisture resistant/explosion resistant enclosure.<sup>2</sup>



**CAUTION AND WARNING!**  
 Fire and electrical shock may result if products are used improperly or installed or used by non-qualified personnel. See inside back cover for additional warning.



**MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)									
kW	W/in <sup>2</sup>	No. Htg. Elem.	Dim. B cm (in)	E1 General Purpose Enclosure <sup>1</sup>		Wt. kg (lb)	E2 Explos. /Moist Res. Encl. <sup>2</sup>		Wt. kg (lb)
				Model No.			Model No.		
1.5	24	2	30 (11¾)	MTO-215A/*		1 (3)	MTO-215E2/*		3 (6)
2	24	2	45 (17¾)	MTO-220A/*		2 (4)	MTO-220E2/*		3 (7)
2.5	26	2	9 (19⅞)	MTO-225A/*		2 (4)	MTO-225E2/*		3 (7)
3	23	2	63 (24⅞)	MTO-230A/*		2 (4)	MTO-230E2/*		3 (7)
4	23	2	83 (32¾)	MTO-240A/*		3 (6)	MTO-240E2/*		4 (8)
5	23	2	102 (40 ¼)	MTO-250A/*		3 (7)	MTO-250E2/*		4 (8)

\*Designate voltage, i.e., insert "120" for 120 Vac, "208" for 208 Vac, "240" for 240 Vac, or "480" for 480 Vac.  
 //Designate voltage, ie., insert "208" for 208 Vac, "240" for 240 Vac, or "480" for 480 Vac.  
<sup>1</sup> Heaters with General Purpose Enclosures are UL recognized and CSA Certified.  
<sup>2</sup> Heaters with Moisture Resistant/Explosion Resistant Enclosures are CSA NRTL/C Certified.

**Ordering Example:** MTO-215A/240, 1.5 kW heater powered by 240 Vac.

Caution: Explosion resistant type E2 construction refers to heater design features which provide explosion resisting containment of electrical wiring according to National Electric Code. Abnormal application or use of heaters which in excessive temperatures can create hazardous conditions which can lead to fire



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