

# MEDIUM-WEIGHT-OIL IMMERSION HEATER

MTO-3 Series  
Starts at

**\$600**



- ✓ 3-Element Design
- ✓ 240 and 480V, 3-Phase
- ✓ 3 to 9 kW
- ✓ Rugged Steel Sheath
- ✓ Low Watt Density for Heating Medium-Weight Oils
- ✓ 2½ NPT Steel Fitting
- ✓ General Purpose NEMA 1 (IP00) or Moisture-Resistant/Explosion-Resistant Terminal Enclosure

## SPECIFICATIONS

**Wattage:** 3 to 9 kW

**Power:** 240 and 480V, 3-phase

**Watt Density:** 15 W/in<sup>2</sup>

**Sheath:** 1 cm (0.475") diameter steel

**Screw Plug:** 2½ NPT steel

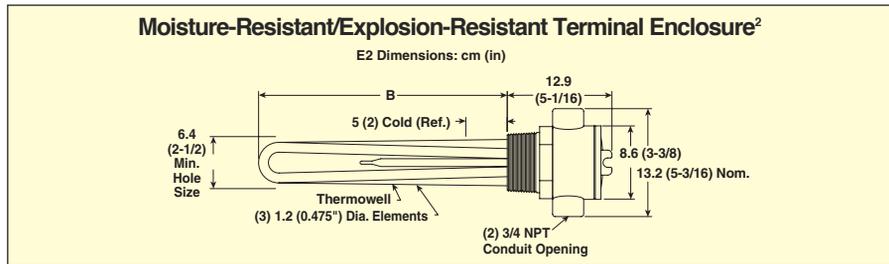
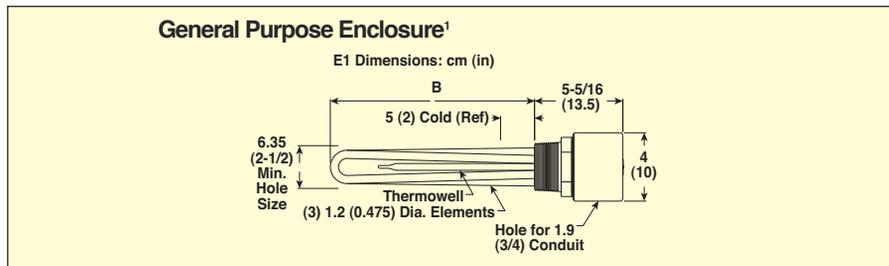
**Enclosure:** General purpose, NEMA 1 (IP00) rated, or E2 moisture-resistant/explosion-resistant enclosure.†



MTO-303/240, \$600, shown smaller than actual size.



MTO-306/480, \$850, shown smaller than actual size.



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

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MODELS HIGHLIGHTED!**

## To Order (Specify Model Number)

kW	Phase	W/in <sup>2</sup>	Htg. Elem.	Dim. B cm (in)	E1 General Purpose Enclosure <sup>1</sup>			E2 Explos/Moist-Resis. Encl. <sup>2†</sup>		
					Model No.	Price	Wt. kg (lb)	Model No.	Price	Wt. kg (lb)
3	3	15	3	62 (24¾)	MTO-303/*	\$600	3 (6)	MTO-303E2/*	\$825	3 (9)
4	3	15	3	82 (32¼)	MTO-304/*	675	4 (9)	MTO-304E2/*	925	5 (12)
5	3	15	3	101 (39¾)	MTO-305/*	750	4.5 (10)	MTO-305E2/*	1000	5 (13)
6	3	15	3	120 (47¼)	MTO-306/*	850	5 (11)	MTO-306E2/*	1100	5 (14)
7.5	3	15	3	145 (57)	MTO-307/*	975	6 (14)	MTO-307E2/*	1250	5 (17)
9	3	15	3	171 (67¼)	MTO-309/*	1100	7 (15)	MTO-309E2/*	1350	5 (18)

\* Designate voltage: "240" for 240 Vac, "480" for 480 Vac.

† **Caution:** Explosion-resistant Type E2 construction refers to heater design features that provide explosion-resistant containment of electrical wiring according to National Electric Code. Use of heaters at excessive temperatures can create hazardous conditions that can lead to fire. consult Section Z for data on allowable watt densities for more viscous materials.

<sup>1</sup> Heaters with general purpose enclosures are UL listed and CSA certified.

<sup>2</sup> Heaters with moisture-resistant/explosion-resistant enclosures are CSA NRTL/C certified.

**Ordering Examples:** MTO-303/240, 3 kW, 240 Vac heater, \$600.

MTO-309E2, 9 kW, 240 Vac heater with E2 explosive/moisture-resistive enclosure, \$1350.



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