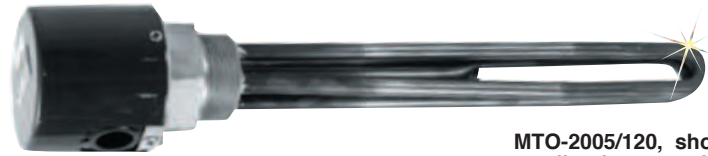


IMMERSION HEATERS FOR HEAVY-WEIGHT OIL APPLICATIONS

MTO-2 and EMTO-3
Starts at



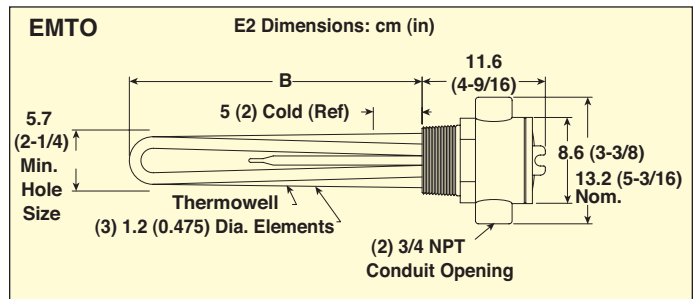
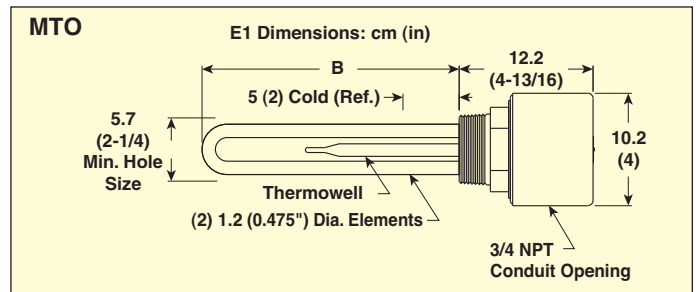
- ✓ 2 NPT Steel Screw Plug
- ✓ Steel Sheath Elements
- ✓ 6 and 8 W/in²
- ✓ 0.5 to 3 kW
- ✓ Without Thermostat
- ✓ 120, 208, 240, and 480V; 1 and 3 Phase
- ✓ General Purpose or Moisture-Resistant/Explosion-Resistant Terminal Enclosure



MTO-2005/120, shown smaller than actual size.



EMTO-301E2/240, shown smaller than actual size.



SPECIFICATIONS

Wattage: 0.5 to 3 kW

Power: 120, 208, 240 and 480V, 1 and 3 phase

Watt Density: 6 to 8 W/in²

Sheath: 1.2 cm (0.475") diameter Incoloy

Screw Plug: 2 NPT stainless steel

Enclosures: E1 general purpose, NEMA 1 (IP00) rated, or type E2 moisture-resistant/explosion-resistant enclosure.²

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

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

kW	Phase	No. W/in ²	Dim B Elem.	cm (in)	E1 General Purpose ¹		E2 Moisture Resistant/Explosion Resistant ²		
					Model No.	Wt. kg (lb)	Model No.		Wt. kg (lb)
MTO-2									
0.5	1	6	2	45 (17 ³ / ₄)	MTO-2005/*	1.8 (4)	MTO-2005E2/*		3.2 (7)
1.1	1	6	2	83 (32 ³ / ₄)	MTO-2011/*	2.7 (6)	MTO-2011E2/*		4.0 (9)
1.4	1	6	2	102 (40 ¹ / ₄)	MTO-2014/*	3.2 (7)	MTO-2014E2/*		4.5 (10)
EMTO-3									
1	3	8	3	45 (17 ³ / ₄)	EMTO-301/**	3.2 (7)	EMTO-301E2/**		4.5 (10)
1.5	3	8	3	63 (24 ⁷ / ₈)	EMTO-3015/**	4 (9)	EMTO-3015E2/**		5.4 (12)
2	3	8	3	82 (32 ⁷ / ₁₆)	EMTO-302/**	4.5 (10)	EMTO-302E2/**		5.9 (13)
2.5	3	8	3	103 (40 ³ / ₈)	EMTO-3025/**	5.4 (12)	EMTO-3025E2/**		6.8 (15)
3	3	8	3	122 (47 ¹ / ₈)	EMTO-303/**	6.3 (14)	EMTO-303E2/**		7.7 (17)

* Designate voltage: insert "120" for 120 Vac, "208" for 208 Vac or "240" for 240 Vac. "480" for 480 Vac.

** Designate voltage: insert "240" for 240 Vac or "480" for 480 Vac.

¹Heaters with general purpose enclosures are UL listed and CSA certified.

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

Ordering Example: EMTO-301/480, 480V, 1 kW, 3-phase general purpose heater,

IMMERSION HEATERS FOR HEAVY WEIGHT OIL APPLICATIONS



Basic Unit

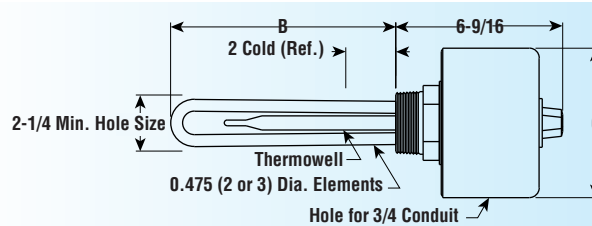
STYLES ARMTO-2 & AREMTO-3



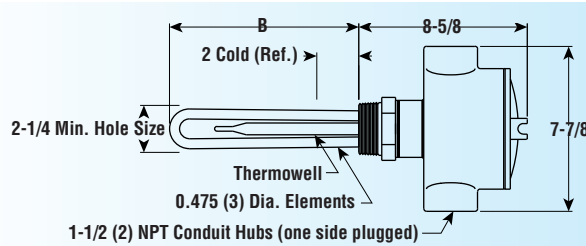
NRTL/C

- ✓ 2" NPT Steel Screw Plug
- ✓ Steel Sheath Elements
- ✓ 6 - 8 W/In²
- ✓ 0.5 - 3 kW
- ✓ Integral Thermostat (DPST)
- ✓ 120, 208, 240 and 480 Volt, 1 & 3 Phase
- ✓ General Purpose or Moisture Resistant/Explosion Resistant Terminal Enclosure

E1 – Dimensions in (cm)



E2 – Dimensions in (cm)



To Order (Specify Model Number)

							T2 — Temperature (60 - 250°F)	T1 — Temperature (0 - 100°F)		
kW	Volts	Phase	W/In ²	No. Elem.	DIM B (In.)	Wt. (Lbs.)	Model No.		Model No.	
AREMTO-3 — E1 General Purpose¹										
1	240	3	8	3	17-3/4	8	AREMTO-3015T2/240		AREMTO-3015T1/240	
1	480	3	8	3	17-3/4	8	AREMTO-3015T2/480		AREMTO-3015T1/480	
1.5	240	3	8	3	24-7/8	9	AREMTO-30155T2/240		AREMTO-30155T1/240	
1.5	480	3	8	3	24-7/8	9	AREMTO-30155T2/480		AREMTO-30155T1/480	
2	240	3	8	3	32-7/16	10	AREMTO-3025T2/240		AREMTO-3025T1/240	
2	480	3	8	3	32-7/16	10	AREMTO-3025T2/480		AREMTO-3025T1/480	
2.5	240	3	8	3	40-3/8	11	AREMTO-30255T2/240		AREMTO-30255T1/240	
2.5	480	3	8	3	40-3/8	11	AREMTO-30255T2/480		AREMTO-30255T1/480	
3	240	3	8	3	47-7/8	12	AREMTO-3025T2/240		AREMTO-3035T1/240	
3	480	3	8	3	47-7/8	12	AREMTO-3025T2/480		AREMTO-3035T1/480	
AREMTO-3 — E2 Moisture Resistant/Explosion Resistant²										
1	240	3	8	3	17-3/4	13	AREMTO-3015E2T2/240		AREMTO-3015E2T1/240	
1	480	3	8	3	17-3/4	13	AREMTO-3015E2T2/480		AREMTO-3015E2T1/480	
1.5	240	3	8	3	24-7/8	14	AREMTO-30155E2T2/240		AREMTO-30155E2T1/240	
1.5	480	3	8	3	24-7/8	14	AREMTO-30155E2T2/480		AREMTO-30155E2T1/480	
2	240	3	8	3	32-7/16	15	AREMTO-3025E2T2/240		AREMTO-3025E2T1/240	
2	480	3	8	3	32-7/16	15	AREMTO-3025E2T2/480		AREMTO-3025E2T1/480	
2.5	240	3	8	3	40-3/8	16	AREMTO-30255E2T2/240		AREMTO-30255E2T1/240	
2.5	480	3	8	3	40-3/8	16	AREMTO-30255E2T2/480		AREMTO-30255E2T1/480	
3	240	3	8	3	47-7/8	17	AREMTO-3025E2T2/240		AREMTO-3035E2T1/240	
3	480	3	8	3	47-7/8	17	AREMTO-3025E2T2/480		AREMTO-3035E2T1/480	
ARMTO-2 — E1 General Purpose¹										
0.5	120	1	6	2	17-3/4	7	ARMTO-2005T2/120		ARMTO-2005T1/120	
0.5	208	1	6	2	17-3/4	7	ARMTO-2005T2/208		ARMTO-2005T1/208	
0.5	240	1	6	2	17-3/4	7	ARMTO-2005T2/240		ARMTO-2005T1/240	
1.1	120	1	6	2	32-3/4	9	ARMTO-2011T2/120		ARMTO-2011T1/120	
1.1	208	1	6	2	32-3/4	9	ARMTO-2011T2/208		ARMTO-2011T1/208	
1.1	240	1	6	2	32-3/4	9	ARMTO-2011T2/240		ARMTO-2011T1/240	
1.4	120	1	6	2	40-1/4	10	ARMTO-2014T2/120		ARMTO-2014T1/120	
1.4	208	1	6	2	40-1/4	10	ARMTO-2014T2/208		ARMTO-2014T1/208	
1.4	240	1	6	2	40-1/4	10	ARMTO-2014T2/240		ARMTO-2014T1/240	

Ordering Example: AREMTO-30155T2/240, is a 240 V, 1.5 kW, 3-Phase, General Purpose Enclosure, with a Temp range of 60-250°F,

1. Heaters with General Purpose Enclosures are UL Listed and CSA Certified.
2. Heaters with Moisture Resistant/Explosion Resistant Enclosures are CSA NRTL/C Certified.



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