

IMMERSION HEATERS FOR HEAVY-WEIGHT OIL APPLICATIONS

MTO-2 and EMTO-3
Starts at

\$295



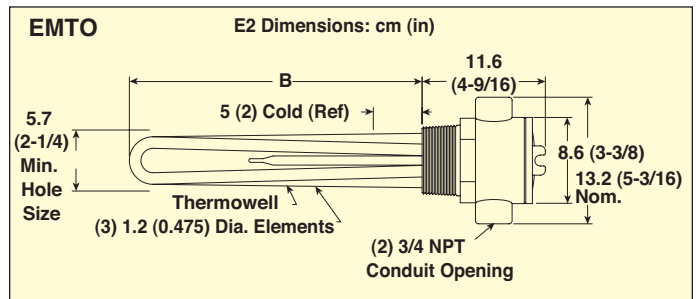
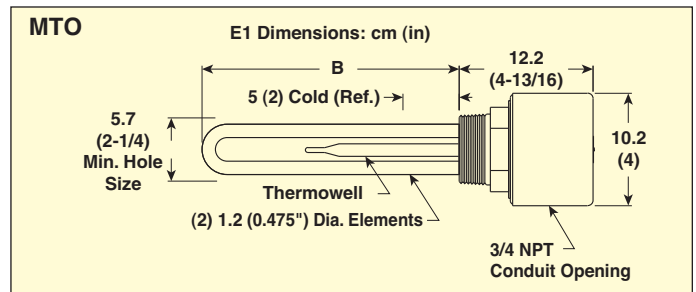
- ✓ 2 NPT Steel Screw Plug
- ✓ Steel Sheath Elements
- ✓ 6 and 8 W/in²
- ✓ 0.5 to 3 kW
- ✓ Without Thermostat
- ✓ 120, 208, 240, and 480V; 1 and 3 Phase
- ✓ General Purpose or Moisture-Resistant/Explosion-Resistant Terminal Enclosure



MTO-2005/120, \$295, shown smaller than actual size.



EMTO-301E2/240, \$600, 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.	Price	Wt. kg (lb)	Model No.	Price	Wt. kg (lb)
MTO-2										
0.5	1	6	2	45 (17 ³ / ₄)	MTO-2005/*	\$295	1.8 (4)	MTO-2005E2/*	\$550	3.2 (7)
1.1	1	6	2	83 (32 ³ / ₄)	MTO-2011/*	445	2.7 (6)	MTO-2011E2/*	700	4.0 (9)
1.4	1	6	2	102 (40 ¹ / ₄)	MTO-2014/*	525	3.2 (7)	MTO-2014E2/*	775	4.5 (10)
EMTO-3										
1	3	8	3	45 (17 ³ / ₄)	EMTO-301/**	\$330	3.2 (7)	EMTO-301E2/**	\$600	4.5 (10)
1.5	3	8	3	63 (24 ⁷ / ₈)	EMTO-3015/**	485	4 (9)	EMTO-3015E2/**	750	5.4 (12)
2	3	8	3	82 (32 ⁷ / ₁₆)	EMTO-302/**	625	4.5 (10)	EMTO-302E2/**	900	5.9 (13)
2.5	3	8	3	103 (40 ³ / ₈)	EMTO-3025/**	800	5.4 (12)	EMTO-3025E2/**	1050	6.8 (15)
3	3	8	3	122 (47 ¹ / ₈)	EMTO-303/**	950	6.3 (14)	EMTO-303E2/**	1200	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, \$330.

IMMERSION HEATERS FOR HEAVY WEIGHT OIL APPLICATIONS



STYLES ARMTO-2 & AREMTO-3

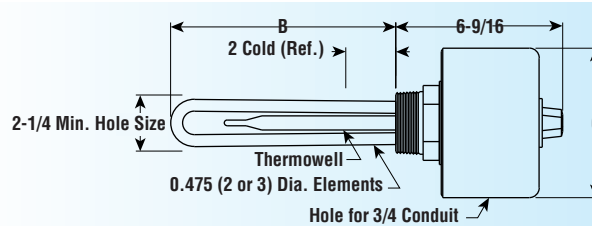
Basic Unit
\$655



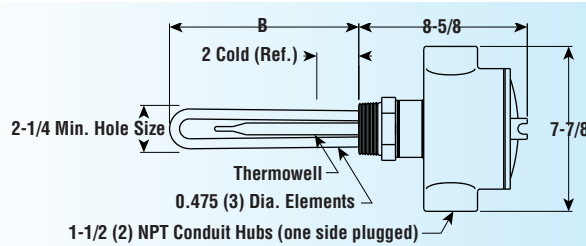
NRTL/C

- ✓ 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.	Price	Model No.	Price
AREMTO-3 — E1 General Purpose¹										
1	240	3	8	3	17-3/4	8	AREMTO-3015T2/240	\$788	AREMTO-3015T1/240	\$788
1	480	3	8	3	17-3/4	8	AREMTO-3015T2/480	788	AREMTO-3015T1/480	788
1.5	240	3	8	3	24-7/8	9	AREMTO-30155T2/240	882	AREMTO-30155T1/240	882
1.5	480	3	8	3	24-7/8	9	AREMTO-30155T2/480	882	AREMTO-30155T1/480	882
2	240	3	8	3	32-7/16	10	AREMTO-3025T2/240	981	AREMTO-3025T1/240	981
2	480	3	8	3	32-7/16	10	AREMTO-3025T2/480	981	AREMTO-3025T1/480	981
2.5	240	3	8	3	40-3/8	11	AREMTO-30255T2/240	1083	AREMTO-30255T1/240	1083
2.5	480	3	8	3	40-3/8	11	AREMTO-30255T2/480	1083	AREMTO-30255T1/480	1083
3	240	3	8	3	47-7/8	12	AREMTO-3025T2/240	1183	AREMTO-3035T1/240	1183
3	480	3	8	3	47-7/8	12	AREMTO-3025T2/480	1183	AREMTO-3035T1/480	1183
AREMTO-3 — E2 Moisture Resistant/Explosion Resistant²										
1	240	3	8	3	17-3/4	13	AREMTO-3015E2T2/240	\$1083	AREMTO-3015E2T1/240	\$1083
1	480	3	8	3	17-3/4	13	AREMTO-3015E2T2/480	1083	AREMTO-3015E2T1/480	1083
1.5	240	3	8	3	24-7/8	14	AREMTO-30155E2T2/240	1177	AREMTO-30155E2T1/240	1177
1.5	480	3	8	3	24-7/8	14	AREMTO-30155E2T2/480	1177	AREMTO-30155E2T1/480	1177
2	240	3	8	3	32-7/16	15	AREMTO-3025E2T2/240	1275	AREMTO-3025E2T1/240	1275
2	480	3	8	3	32-7/16	15	AREMTO-3025E2T2/480	1275	AREMTO-3025E2T1/480	1275
2.5	240	3	8	3	40-3/8	16	AREMTO-30255E2T2/240	1377	AREMTO-30255E2T1/240	1377
2.5	480	3	8	3	40-3/8	16	AREMTO-30255E2T2/480	1377	AREMTO-30255E2T1/480	1377
3	240	3	8	3	47-7/8	17	AREMTO-3025E2T2/240	1477	AREMTO-3035E2T1/240	1477
3	480	3	8	3	47-7/8	17	AREMTO-3025E2T2/480	1477	AREMTO-3035E2T1/480	1477
ARMTO-2 — E1 General Purpose¹										
0.5	120	1	6	2	17-3/4	7	ARMTO-2005T2/120	\$655	ARMTO-2005T1/120	\$655
0.5	208	1	6	2	17-3/4	7	ARMTO-2005T2/208	655	ARMTO-2005T1/208	655
0.5	240	1	6	2	17-3/4	7	ARMTO-2005T2/240	655	ARMTO-2005T1/240	655
1.1	120	1	6	2	32-3/4	9	ARMTO-2011T2/120	788	ARMTO-2011T1/120	788
1.1	208	1	6	2	32-3/4	9	ARMTO-2011T2/208	788	ARMTO-2011T1/208	788
1.1	240	1	6	2	32-3/4	9	ARMTO-2011T2/240	788	ARMTO-2011T1/240	788
1.4	120	1	6	2	40-1/4	10	ARMTO-2014T2/120	859	ARMTO-2014T1/120	859
1.4	208	1	6	2	40-1/4	10	ARMTO-2014T2/208	859	ARMTO-2014T1/208	859
1.4	240	1	6	2	40-1/4	10	ARMTO-2014T2/240	859	ARMTO-2014T1/240	859

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, \$882.

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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