

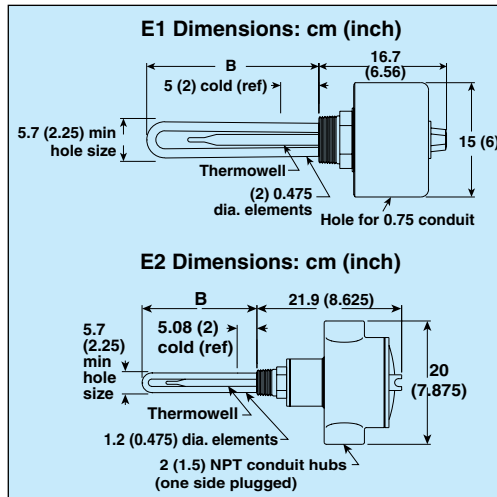
MEDIUM WEIGHT OIL IMMERSION HEATER

With Integral Thermostat—2 NPT Fitting



ARMTO-2 Series

- ✓ Steel Sheath and Low Watt Density for Heating Medium Weight Oils
- ✓ Integral Thermostat Three Temperature Ranges Available
- ✓ 2 to 6 kW
- ✓ 208, 240 or 480V; 1 Phase
- ✓ 2 Element Construction with 2 NPT Steel Fitting



ARMTO-2020/240 shown smaller than actual size.

ARMTO-2020E2T1/240 shown smaller than actual size.

APPLICATIONS

Heating medium viscosity oil— Suitable for heating medium bodied oils such as industrial gear oils or numbers 4 and 5 residual fuel oils. Heating provides low ambient temperature protection, ensuring that oil remains fluid to lubricate effectively and reduce load on gear motor drives.

SPECIFICATIONS

Wattage: 2 to 6 kW
Power: 240, or 480V; 1 phase
Watt Density: 15 W/in²
Sheath: 0.475" diameter steel
Screw Plug: 2 NPT steel
Enclosure: General purpose¹, NEMA-1 rated, or E2 moisture resistant/explosion resistant enclosure²; see caution below

Note: This integral thermostat functions as a temperature control only. This is not a fail safe device. An approved pressure and/or temperature limit control should be used with these heaters to assure safe operation. Visit OMEGA for our selection of controllers.

To Order							
kW	W/in ²	Elem.	No. Dim. B cm (in)	T3 Temp Range (200 to 550°F) Model No.	T2 Temp Range (60 to 250°F) Model No.	T1 Temp Range (0 to 100°F) Model No.	Htg. Wt. lb (kg)
ARMTO-2 Series with General Purpose Enclosure¹							
2	15	2	16 (24 ⁷ / ₈)	ARMTO-2020/*	ARMTO-2020T2/*	ARMTO-2020T1/*	4 (8)
2.66	15	2	16 (32 ³ / ₄)	ARMTO-2026/*	ARMTO-2026T2/*	ARMTO-2026T1/*	4 (9)
3.33	15	2	20 (40 ¹ / ₄)	ARMTO-2033/*	ARMTO-2033T2/*	ARMTO-2033T1/*	4 (9)
4	15	2	23 (47 ³ / ₄)	ARMTO-2040/**	ARMTO-2040T2/**	ARMTO-2040T1/**	5 (10)
5	15	2	31 (57 ¹ / ₂)	ARMTO-2050/*	ARMTO-2050T2/*	ARMTO-2050T1/*	5 (11)
6	15	2	41 (67 ³ / ₄)	ARMTO-2060/*	ARMTO-2060T2/*	ARMTO-2060T1/*	5 (12)
ARMTO-2 Series with Moisture Tight/Explosion Resistant Enclosure^{2†}							
0.2	15	2	16 (24 ⁷ / ₈)	ARMTO-2020E2/*	ARMTO-2020E2T2/*	ARMTO-2020E2T1/*	6 (13)
2.66	15	2	16 (32 ³ / ₄)	ARMTO-2026E2/*	ARMTO-2026E2T2/*	ARMTO-2026E2T1/*	6 (14)
3.33	15	2	20 (40 ¹ / ₄)	ARMTO-2033E2/*	ARMTO-2033E2T2/*	ARMTO-2033E2T1/*	6 (14)
4	15	2	23 (47 ³ / ₄)	ARMTO-2040E2/**	ARMTO-2040E2T2/**	ARMTO-2040E2T1/**	7 (15)
5	15	2	31 (57 ¹ / ₂)	ARMTO-2050E2/*	ARMTO-2050E2T2/*	ARMTO-2050E2T1/*	7 (16)
6	15	2	31 (67 ³ / ₄)	ARMTO-2060E2/*	ARMTO-2060E2T2/*	ARMTO-2060E2T1/*	8 (17)

/* Designate voltage, i.e., insert "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.

¹ Heaters with general purpose enclosures are UL Listed with T1 or T2 temps and CSA certified with T1, T2 or T3 temps.

² Heaters with moisture resistant/explosion resistant enclosures are CSA NRTL/C certified with T1, T2 or T3 temps.

Ordering Examples: ARMTO-2020/240, 2 kW heater with thermostat range of 200 to 550°F, powered by 240 Vac.

ARMTO-2020E2/120V, 0.2 kW heater with thermostat range of 200 to 550°F, powered by 120 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 consult OMEGA for data on allowable watt densities for more viscous materials.