

# MEDIUM WEIGHT OIL IMMERSION HEATER

## With Integral Thermostat—2 NPT Fitting

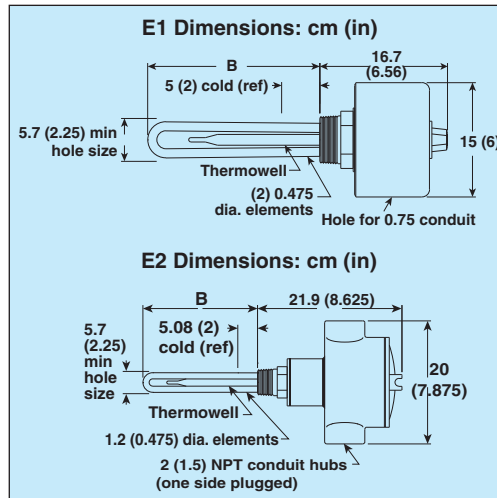
ARMTO-2 Series  
Starts at

**\$875**

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

### 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/in<sup>2</sup>  
**Sheath:** 0.475" diameter steel  
**Screw Plug:** 2 NPT steel  
**Enclosure:** General purpose<sup>1</sup>, NEMA-1 rated, or E2 moisture resistant/explosion resistant enclosure<sup>2</sup>; see caution below



ARMTO-2020/240, \$875, shown smaller than actual size.

ARMTO-2020E2T1/240, \$1000, shown smaller than actual size.

Please 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. See Section P for our selection of controllers.

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

kW	Htg. W/in <sup>2</sup>	No. Dim. B Elem.	cm (in)	T3 Temp Range (200 to 550°F)		T2 Temp Range (60 to 250°F)		T1 Temp Range (0 to 100°F)		Wt. lb (kg)
				Model No.	Price	Model No.	Price	Model No.	Price	
ARMTO-2 Series with General Purpose Enclosure <sup>1</sup>										
2	15	2	16 (24 <sup>7</sup> / <sub>8</sub> )	ARMTO-2020/*	\$875	ARMTO-2020T2/*	\$875	ARMTO-2020T1/*	\$875	4 (8)
2.66	15	2	16 (32 <sup>3</sup> / <sub>4</sub> )	ARMTO-2026/*	950	ARMTO-2026T2/*	950	ARMTO-2026T1/*	950	4 (9)
3.33	15	2	20 (40 <sup>1</sup> / <sub>4</sub> )	ARMTO-2033/*	1000	ARMTO-2033T2/*	1000	ARMTO-2033T1/*	1000	4 (9)
4	15	2	23 (47 <sup>3</sup> / <sub>4</sub> )	ARMTO-2040/**	1100	ARMTO-2040T2/**	1100	ARMTO-2040T1/**	1100	5 (10)
5	15	2	31 (57 <sup>1</sup> / <sub>2</sub> )	ARMTO-2050/*	1200	ARMTO-2050T2/*	1200	ARMTO-2050T1/*	1200	5 (11)
6	15	2	41 (67 <sup>3</sup> / <sub>4</sub> )	ARMTO-2060/*	1300	ARMTO-2060T2/*	1300	ARMTO-2060T1/*	1300	5 (12)
ARMTO-2 Series with Moisture Tight/Explosion Resistant Enclosure <sup>2†</sup>										
0.2	15	2	16 (24 <sup>7</sup> / <sub>8</sub> )	ARMTO-2020E2/*	\$1000	ARMTO-2020E2T2/*	\$1000	ARMTO-2020E2T1/*	\$1000	6 (13)
2.66	15	2	16 (32 <sup>3</sup> / <sub>4</sub> )	ARMTO-2026E2/*	1200	ARMTO-2026E2T2/*	1200	ARMTO-2026E2T1/*	1200	6 (14)
3.33	15	2	20 (40 <sup>1</sup> / <sub>4</sub> )	ARMTO-2033E2/*	1250	ARMTO-2033E2T2/*	1250	ARMTO-2033E2T1/*	1250	6 (14)
4	15	2	23 (47 <sup>3</sup> / <sub>4</sub> )	ARMTO-2040E2/**	1350	ARMTO-2040E2T2/**	1350	ARMTO-2040E2T1/**	1350	7 (15)
5	15	2	31 (57 <sup>1</sup> / <sub>2</sub> )	ARMTO-2050E2/*	1450	ARMTO-2050E2T2/*	1450	ARMTO-2050E2T1/*	1450	7 (16)
6	15	2	31 (67 <sup>3</sup> / <sub>4</sub> )	ARMTO-2060E2/*	1550	ARMTO-2060E2T2/*	1550	ARMTO-2060E2T1/*	1550	8 (17)

/\* Designate voltage, i.e., insert "240" for 240 Vac, or "480" for 480 Vac.

\*\* Designate voltage, i.e., insert "208" for 208 Vac, "240" for 240 Vac, or "480" for 480 Vac.

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

<sup>2</sup> 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, \$875.

ARMTO-2020E2/120V, 0.2 kW heater with thermostat range of 200 to 550°F, powered by 120 Vac, \$1000.

† **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 section Z for data on allowable watt densities for more viscous materials.

# omega.co.uk®

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

**www.omega.co.uk**



#### UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA  
Stamford, CT.

#### CANADA

[www.omega.ca](http://www.omega.ca)

Laval(Quebec)  
1-800-TC-OMEGA

#### GERMANY

[www.omega.de](http://www.omega.de)

Deckenpfronn, Germany  
0800-8266342

#### UNITED KINGDOM

[www.omega.co.uk](http://www.omega.co.uk)

Manchester, England  
0800-488-488  
+44-(0)161-777-6611

#### FRANCE

[www.omega.fr](http://www.omega.fr)

0800-466-342

#### BENELUX

[www.omega.nl](http://www.omega.nl)

0800-099-33-44



## More than 100,000 Products Available!

### • Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

### • Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

### • pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

### • Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers, Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

### • Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

### • Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters