

# LIGHTWEIGHT OIL IMMERSION HEATER

## With Thermostat—1 NPT Steel Fitting

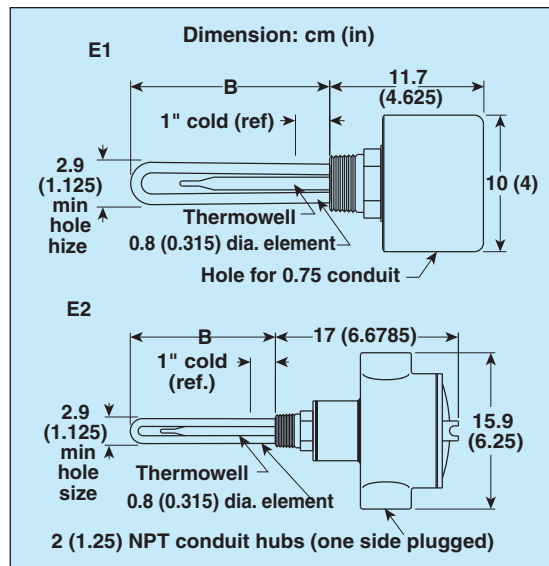
ARTMO Series  
Starts at



- ✓ Built in Thermostat—Three Temperature Ranges Available
- ✓ 0.25 to 0.50 kW
- ✓ 120 and 240V, 1 Phase
- ✓ 0.315" Diameter Heavy Duty Steel Sheath
- ✓ Lower Watt Density for Heating Light Weight Oils
- ✓ Single Heating Element Design

**Heating low viscosity oil —**  
For better flow, improved characteristics, and maintenance of bulk oil at predetermined temperature levels. Also suitable for hydrocarbon based coolants and heat transfer oils where adequate flow conditions are maintained.

**Features rugged construction —**  
Sturdy heating steel screw plugs provide superior rigidity and strength. Heavy duty jumper straps and terminal posts assure permanent tightness of connection's carrying capacity.



**High conductivity elements —**  
Filled with highest purity blends of magnesium oxide refractory (MgO) compacted to a rock hard density to insure maximum thermal conductivity, maximum electrical resistance, and assure long element life.

**Heavy coil construction —**  
Watt density on the heating coil is designed for low watt density operation by increasing the coil diameter and length to give maximum coil surface area and limit coil surface temperature, providing longer coil life.



**Note:** The integral thermostat functions as a temperature control only. This is not a fail safe device. An approved pressure and/or temperature control should be used with these heaters to assure safe operation. See the Temperature Section for our selection of control devices.

### CAUTION AND WARNING!

Fire and electrical shock may result if products are used improperly or installed or used by non-qualified personnel. See inside back cover for additional warning.

**AVAILABLE FOR FAST DELIVERY!**

### To Order (Specify Model Number)

kW	W/in <sup>2</sup>	No. Htg. Elem.	Dim. B in (cm)	Temp. Range (60 to 187°F) Model No.	Temp. Range (60 to 240°F) Model No.	Temp. Range (0 to 127°F) Model No.	Wt lb (kg)
<b>E1 General Purpose Enclosure<sup>1</sup></b>							
0.250	20	1	6½ (17)	ARTMO-250/120	ARTMO-250TH/120	ARTMO-250TL/120	2 (1)
0.375	20	1	9½ (24)	ARTMO-375/*	ARTMO-375TH/*	ARTMO-375TL/*	3 (1)
0.500	20	1	12½ (32)	ARTMO-500/*	ARTMO-500TH/*	ARTMO-500TL/*	3 (1)
<b>E2 Moisture Resistant/Explosion Resistant Enclosure<sup>2</sup></b>							
0.250	20	1	6½ (17)	ARTMO-250E2/120	ARTMO-250E2TH/120	ARTMO-250E2TL/120	5 (2)
0.375	20	1	9½ (24)	ARTMO-375E2/*	ARTMO-375E2TH/*	ARTMO-375E2TL/*	6 (3)
0.500	20	1	12½ (32)	ARTMO-500E2/*	ARTMO-500E2TH/*	ARTMO-500E2TL/*	6 (3)

\* To designate voltage insert "120" for 120 Vac or "240" for 240 Vac. Model numbers containing "/120" are only available in that voltage. 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 and are not intended for use in hazardous areas.

**Ordering Example:** ARTMO-375/120, 0.375 kW heater with a thermostat range of 60 to 187°F, powered by 120 Vac.



## UNITED STATES

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

1-800-TC-OMEGA  
Stamford, CT.

## CANADA

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

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## GERMANY

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## UNITED KINGDOM

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## FRANCE

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088-466-342

## CZECH REPUBLIC

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## BENELUX

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### • 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