

# LIGHTWEIGHT OIL IMMERSION HEATER

## With Thermostat—1" NPT Steel Fitting ARTMO Series

- ✓ Built in Thermostat—Three Temperature Ranges Available
- ✓ 0.25 to 0.50 kW
- ✓ 120 and 240 V, 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.

### To Order (Specify Model Number)

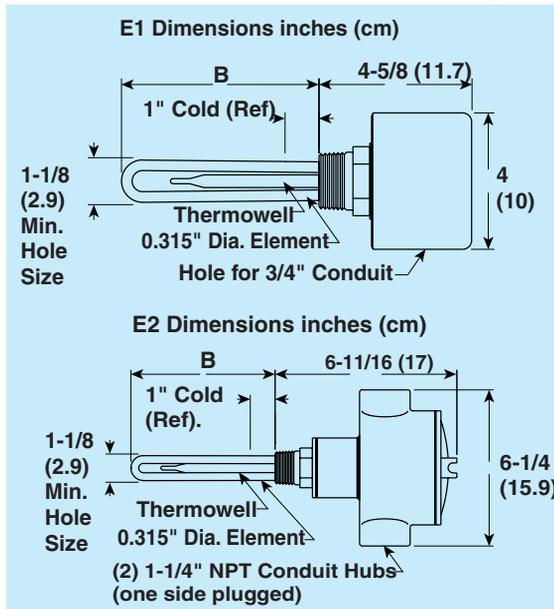
kW	W/in <sup>2</sup>	No. Htg. Elem.	Dim. B in (cm)	Temp. Range (60-187°F)		Temp. Range (60-240°F)		Temp. Range (0-127°F)		Wt lb(kg)
				Model No.	Price	Model No.	Price	Model No.	Price	
<b>ARTMO Series with E1 General Purpose Enclosure<sup>1</sup></b>										
.250	20	1	6½ (17)	ARTMO-250/120	\$196	ARTMO-250TH/120	\$196	ARTMO-250TL/120	\$196	2 (1)
.375	20	1	9½ (24)	ARTMO-375/*	215	ARTMO-375TH/*	215	ARTMO-375TL/*	215	3 (1)
.500	20	1	12½ (32)	ARTMO-500/*	235	ARTMO-500TH/*	235	ARTMO-500TL/*	235	3 (1)
<b>ARTMO Series with E-2 Moisture Resistant/Explosion Resistant Enclosure<sup>2</sup></b>										
.250	20	1	6½ (17)	ARTMO-250E2/120	421	ARTMO-250E2TH/120	421	ARTMO-250E2TL/120	421	5 (2)
.375	20	1	9½ (24)	ARTMO-375E2/*	439	ARTMO-375E2TH/*	439	ARTMO-375E2TL/*	439	6 (3)
.500	20	1	12½ (32)	ARTMO-500E2/*	461	ARTMO-500E2TH/*	461	ARTMO-500E2TL/*	461	6 (3)

<sup>1</sup>Designate voltage, i.e. insert 120 for 120 for 120 VAC or 240 for 240 VAC. Those part nos. containing/120 are only available in that voltage. Consult Section Z for data on allowable watt densities for more viscous materials.

**Ordering Example:** Model ARTMO-375/120 is a .375 kW heater with a thermostat range of 60-187°F powered by 120 VAC, \$215

<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.



**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.

*Please 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.

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