

Drum Immersion Heaters

- Fits Through the Standard 51 mm (2") Bung Opening in 55 Gallon Drums
- Ideal for Improving the Flow of Lard, Tar, Oils and Other High Viscosity Solutions
- Double Pole 16 to 121°C (60 to 250°F) Thermostat with Over-Temperature Cutout and Pilot Lamp to Indicate Heater On/Off Status
- Only 203 mm (8") of Vertical Riser is Heated, Allowing Liquid Level to Fluctuate without Damaging the Heater
- Adjustable Stainless Steel Mounting Bracket

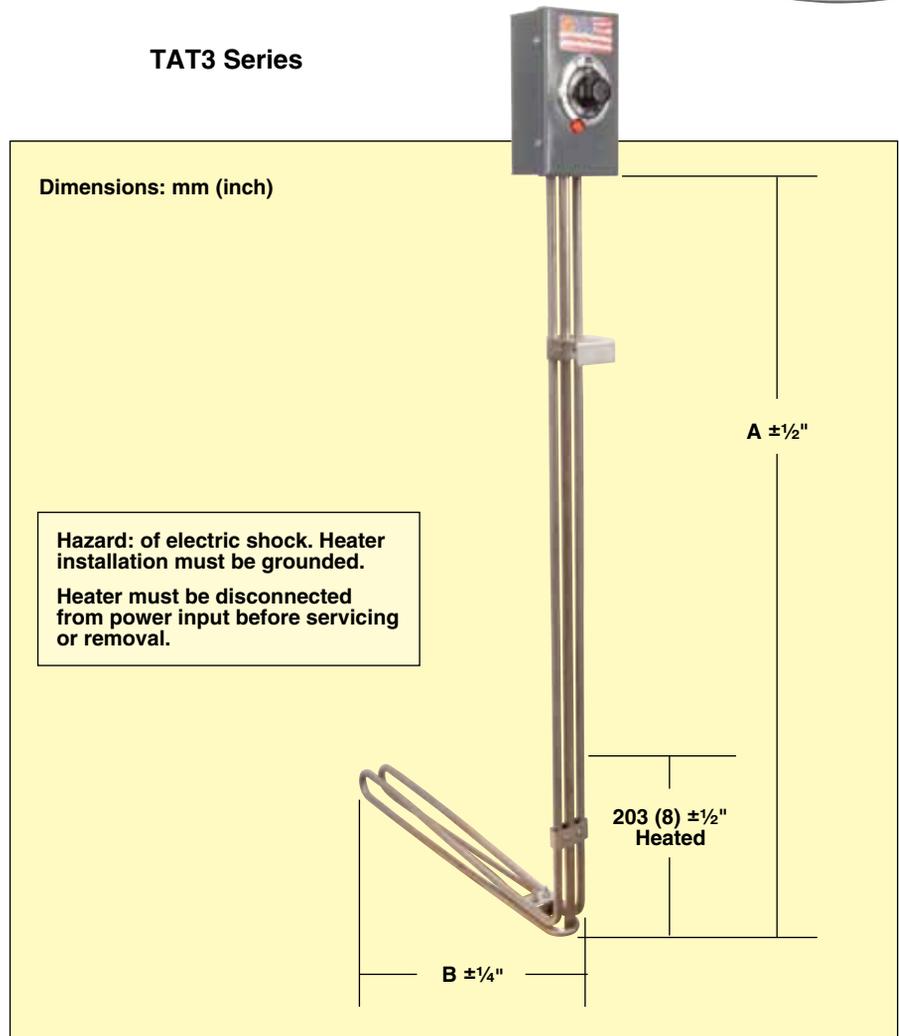
Optional Features

- Passivation, Electropolished, or Bright Annealed Surface Treatments Available for Stainless Steel or Incoloy Sheath Designs
- NEMA 4 (Moisture Resistant) and/ or NEMA 7 (Explosion Resistant) Terminal Enclosures
- External Power Wiring Options Include Flexible Cord/Plug, Armored Cable, Wire Braided or Plain Lead Wire
- Process or Hi-Limit Thermocouple in Thermowell in Place of the Thermostat

Installation, Operation and Maintenance Instructions

1. Ensure the Vertical Heated Portion, Which Extends 203 mm (8") Up Riser from Bottom of Element, is Always Fully Immersed
2. Use in Metal Drums, Containers or Heat Resistant Tanks Only
3. All Wiring Should Be in Accordance with NEC/NFPA and Local Codes
4. Use Techniques Safe for the Heater and Surrounding Environment
5. Use Mounting Brackets to Position Heater Away from Tank Wall and Above Sludge Buildup at Bottom of Tank
6. Periodically Remove the Heater to Clean Residues and Inspect for Damage

TAT3 Series



Custom Engineered/Manufactured Heaters

An electric heater can be very application specific, for ratings not listed, OMEGA® will design and manufacture an immersion heater to meet your requirements.

Please specify the following:

- Application
- Wattage, Voltage
- Element Sheath Material
- Element Watt Density
- "A" and "B" Dimensions
- Unheated Section
- Optional Features
- Quantity

To Order Visit omega.com/tat3_series for Pricing and Details

Model No.	Sheath	Watt Density		Watts	Volts	A		B	
		watt/in ²	watt/cm ²			mm	inch	mm	inch
TAT30003 TAT30004	Copper	8 32	1.2 5.0	1000 4000	120 240	914	36	483	19
TAT30002 TAT30001	Stainless Steel	8 32	1.2 5.0	1000 4000	120 240	914	36	483	19
TAT30005 TAT30006	Steel	8 32	1.2 5.0	1000 4000	120 240	914	36	483	19

Note: This style heater can be manufactured with "A" and "B" dimensions suitable for other applications. Consult Omega with your requirements.
Ordering Example: TAT30003, 1000 watts, 120 Vac immersion heater.