

# **mor** Electric Heating Assoc., Inc.

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## **Tank Heating Questionnaire**

When heating tanks of various fluids, there are several types of heaters that can be used. Immersion heaters placed in the fluid, strip heaters attached to the outside of the tank, barrel/blanket/silicone heaters or heat trace cable wrapped around the outside of the tank. The following questionnaire can be used to gather the information needed to select the most appropriate heater:

- 1.) Size of Tank? (dimensions) \_\_\_\_\_
- 2.) What material is the tank made out of? \_\_\_\_\_
- 3.) What "gauge" or thickness are the tank walls? \_\_\_\_\_
- 4.) Is the tank covered? \_\_\_\_\_
- 5.) What type of liquid is inside the tank? \_\_\_\_\_  
What is the level of the liquid? (gallons) \_\_\_\_\_  
Will the level be constant? \_\_\_\_\_
- 6.) Will any additional material be added to the tank? \_\_\_\_\_  
What type of material will be placed in the tank? \_\_\_\_\_  
How much additional material will be added? \_\_\_\_\_  
How often is the material added to the tank? \_\_\_\_\_
- 7.) What is the required operating temperature of the material? \_\_\_\_\_
- 8.) What is the required warm-up time? \_\_\_\_\_
- 9.) What is the ambient temperature? \_\_\_\_\_
- 10.) Is the tank insulated? \_\_\_\_\_  
How thick is the insulation? \_\_\_\_\_  
What type of insulation is used? \_\_\_\_\_  
Is the base of the tank insulated? \_\_\_\_\_
- 11.) Is the tank located indoors or outdoors? \_\_\_\_\_  
Is the base of the tank raised of the ground? \_\_\_\_\_  
Is the base of the tank resting on an insulated concrete slab? \_\_\_\_\_  
Is the base of the tank resting on an un-insulated concrete slab? \_\_\_\_\_
- 12.) What is the "Area Classification"? \_\_\_\_\_
- 13.) What voltage is available? \_\_\_\_\_
- 14.) Is there any electrical limitation (such as amperage) allocated for the system? \_\_\_\_\_
- 15.) What is the operating temperature tolerance? (tight or loose control) \_\_\_\_\_
- 16.) Is there a particular style of heater you would like? (screw plug, flange, strip heater or over the side). \_\_\_\_\_
- 17.) Is there a particular heater manufacturer that you prefer? \_\_\_\_\_  
Name the preferred heater manufacturer: \_\_\_\_\_
- 18.) How soon do you need the quote? \_\_\_\_\_