

COMPLETE SYSTEMS ENGINEERING

Without the Engineering Staff to 'Turn the Heat on'... Count on OMEGA's FREE Technical Assistance!

CUSTOM ENGINEERING LEVEL III



An OMEGA® TMS Series Flanged Immersion Heater and a Pre-Wired 4534 Series NEMA-4 SCR Temperature/Power Control Panel Constitute a Complete Electric Heating and Temperature Control System

\$5072


A CASE IN POINT

A manufacturing facility has a large tank of caustic cleaning solution that must be heated to 66°C (150°F). A complete electric heating and temperature measurement and control system is required.

PROBLEM

The manufacturing facility does not have the engineering staff to calculate the installed wattage required for the heater or to design the temperature measurement and control system. The plant manager wants to purchase a complete, pre-wired temperature and power control panel that will both control the process temperature and provide backup high limit temperature protection for the heater. The heater will be powered by a 480 V, three-phase supply. A great deal of moisture is present in the area of the heater due to the nature of the cleaning operation.

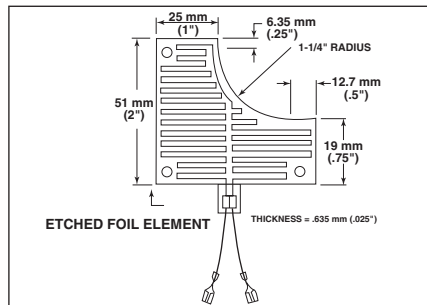
OMEGA® SOLUTION

OMEGA's heater engineers (OMEGALUX®) help customers calculate the installed wattage (kW) required for the heater based on data supplied by the plant manager. They select an 18 kW flanged immersion heater, Model TMS-6185E4/480V/3P with a moisture tight terminal enclosure, modified with an overtemperature protection, thermocouple welded to the heater sheath. Process and high limit temperature control and power control is accomplished with a complete pre-wired NEMA-4 SCR Temperature/Power Control Panel, Model 4534-404J. The total cost for the heater and SCR panel is \$5072. 

...If You Don't See What You're Looking For, Ask Us!



Two Custom Engineered Skid-Mounted Circulation Heaters, for Heating Lubricating Oil **\$26,375**



High Quantities of Specialized Heater Sensors Made to Your Specifications for OEM System Applications **\$75 Each**



300 kW Flanged Immersion Heater Custom Designed for Heating Gases up to 538°C (1000°F) **\$14,595**