OVER-THE-SIDE IMMERSION HEATERS
FOR MILDLY CORROSIVE FLUIDS

**APPLICATIONS**
Alkaline cleaners (electrified), alkaline soaking cleaners, copper sulfate, electroless copper, electro cleaners, mild acid baths, wash tanks dip tanks containing alkali, oakite, caustic soda, detergent and other aqueous solutions

**SPECIFICATIONS**
- **Wattage:** 2 to 18 kW
- **Power:** 120, 240, 480V, 1 & 3 Phase
- **Watt Density:** 40 W/in²

**FEATURES**
These over-the-side immersion heaters are designed for installing in the top of a tank with the heated portion directly immersed along the side or at the bottom. This provides easy removal of the heater and ample working space inside the tank.

<table>
<thead>
<tr>
<th>kW</th>
<th>Risers (A) cm (in)</th>
<th>Curved Elements</th>
<th>Price</th>
<th>Wt. lb (kg)</th>
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<td>2</td>
<td>91 (36)</td>
<td>TLS-220A-036/120</td>
<td>$1100</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>91 (36)</td>
<td>TLS-220A-036/240</td>
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<tr>
<td>4</td>
<td>91 (36)</td>
<td>TLS-240A-036/120</td>
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<tr>
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<td>TLS-260A-036/120</td>
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<td>TLS-280A-036/120</td>
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<td>121 (48)</td>
<td>TLS-210A-048/240</td>
<td>$1600</td>
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</table>

* Designate voltage, i.e. insert “240” for 240V for “480V” for 480V. ** Add the suffix “3P” to the model number for 3 phase power.

**Ordering Examples:** TLS-220A-036/240, 2 kW heater powered by 1 phase 240 Vac, $1100. TLS-330A-036/240/3P, 3 kW heater powered by 3 phase 240 Vac, $1250.
More than 100,000 Products Available!

- Temperature

- Flow and Level
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- pH and Conductivity
  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- Data Acquisition

- Pressure, Strain and Force
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

- Heaters

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