

OVER-THE-SIDE IMMERSION HEATERS FOR MILDLY CORROSIVE FLUIDS



TLS and KTLS Series
Starts at

- ✓ 2 to 18 kW
- ✓ 120, 240, 480V, 1 and 3 Phase
- ✓ Stainless Steel Sheath and Riser Elements
- ✓ Optional Thermostat Kits are Available to Fit into Terminal Box

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.

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
Watt Density: 40 W/in²

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 warnings.



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

| kW | Riser (A) cm (in) | Straight Elements | | Curved Elements | | Wt. lb (kg) |
|---|----------------------|------------------------------------|---------------------|------------------------------------|----------------------|----------------|
| | | Min. Tank Clearance (B)—cm (in) | Model No. | Min. Tank Clearance (B)—cm (in) | Model No. | |
| Two Elements—Stainless Steel, 40 W/in.² | | | | | | |
| 2 | 91 (36) | 31 (12¼) | TLS-220A-036/120 | 27 (10⅝) | KTLS-220A-036/120 | 8 (4) |
| 2 | 91 (36) | 31 (12¼) | TLS-220A-036/* | 27 (10⅝) | KTLS-220A-036/* | 8 (4) |
| 4 | 91 (36) | 57 (22¼) | TLS-240A-036/120 | 35 (13¾) | KTLS-240A-036/120 | 8 (4) |
| 4 | 91 (36) | 57 (22¼) | TLS-240A-036/* | 35 (13¾) | KTLS-240A-036/* | 8 (4) |
| 6 | 91 (36) | 75 (29½) | TLS-260A-036/120 | 41 (16⅝) | KTLS-260A-036/120 | 10 (5) |
| 6 | 91 (36) | 75 (29½) | TLS-260A-036/* | 41 (16⅝) | KTLS-260A-036/* | 10 (5) |
| 8 | 91 (36) | 95 (37⅞) | TLS-280A-036/* | 47 (18⅝) | KTLS-280A-036/* | 12 (5) |
| 10 | 121 (48) | 103 (45) | TLS-210A-048/* | 54 (21¼) | KTLS-210A-048/* | 14 (6) |
| 12 | 121 (48) | 133 (52½) | TLS-212A-048/* | 59 (23½) | KTLS-212A-048/* | 16 (7) |
| Three Elements—Stainless Steel, 40 W/in.² | | | | | | |
| 3 | 91 (36) | 31 (12¼) | TLS-330A-036/120 | 27 (10⅝) | KTLS-330A-036/120 | 9 (4) |
| 3 | 91 (36) | 31 (12¼) | TLS-330A-036/240/** | 27 (10⅝) | KTLS-330A-036/240/** | 9 (4) |
| 3 | 91 (36) | 31 (12¼) | TLS-330A-036/480/** | 27 (10⅝) | KTLS-330A-036/480/** | 9 (4) |
| 6 | 91 (36) | 57 (22¼) | TLS-360A-036/120 | 35 (13¾) | KTLS-360A-036/120 | 10 (5) |
| 6 | 91 (36) | 57 (22¼) | TLS-360A-036/240/** | 35 (13¾) | KTLS-360A-036/240/** | 10 (5) |
| 6 | 91 (36) | 57 (22¼) | TLS-360A-036/480/** | 35 (13¾) | KTLS-360A-036/480/** | 10 (5) |
| 9 | 91 (36) | 75 (29½) | TLS-390A-036/240/** | 41 (16⅝) | KTLS-390A-036/240/** | 12 (5) |
| 9 | 91 (36) | 75 (29½) | TLS-390A-036/480/** | 41 (16⅝) | KTLS-390A-036/480/** | 12 (5) |
| 12 | 121 (48) | 95 (37⅞) | TLS-312A-048/240/** | 47 (18⅝) | KTLS-312A-048/240/** | 14 (6) |
| 12 | 121 (48) | 95 (37⅞) | TLS-312A-048/480/** | 47 (18⅝) | KTLS-312A-048/480/** | 14 (6) |
| 15 | 121 (48) | 103 (45) | TLS-315A-048/240/** | 54 (21¼) | KTLS-315A-048/240/** | 16 (7) |
| 15 | 121 (48) | 103 (45) | TLS-315A-048/480/** | 54 (21¼) | KTLS-315A-048/480/** | 16 (7) |
| 18 | 121 (48) | 133 (52½) | TLS-318A-048/240/** | 60 (23½) | KTLS-318A-048/240/** | 18 (8) |
| 18 | 121 (48) | 133 (52½) | TLS-318A-048/480/** | 60 (23½) | KTLS-318A-048/480/** | 18 (8) |

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

Optional thermostat kits are available to fit into heater terminal box.

Ordering Examples: TLS-220A-036/240, 2 kW heater powered by 1 phase 240 Vac.

TLS-330A-036/240/3P, 3 kW heater powered by 3 phase 240 Vac.



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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters