**Electric Immersion Heaters**

**Fluoropolymer (PTFE) Heaters**
Compatible with virtually any chemistry. Sizes up to 18 kilowatt, single or three phase. Large variety of standard and custom configurations for over-the-side and tank bottom installations. Screw plug and flange heaters in sizes from ½-inch screw plug (100 Watt) to 6-inch flange (18 kW). Thermal overtemperature protection standard (except screw plug). cULus and CE.

**Metal Heaters**
Variety of materials to match your application (titanium, 316 and 304 stainless steel, and plain steel. Sizes up to 54 kW. Standard and custom configurations for over-the-side and bottom installations in open tanks. Screw plug and flange heaters in titanium and 316 stainless, sizes from ½-inch screw plug (100 Watt) to 6-inch flange (72 kW). Thermal overtemperature protection standard (except screw plug). cULus and CE.

**Special Application Heaters**
We specialize in unique and difficult applications. Configurations available include: quartz heaters, phosphate heaters, lab heaters, flexible riser heaters, deep tank heaters, Varipower™ heaters, *EASYPLUG™* heaters (heater plugs into the control, the control plugs into the wall).

**Inline Heaters**

**Water Heaters**
Point of use electric water heaters for industrial applications. Excellent for DI spray rinse, precision cleaning, reverse osmosis water, city water, and salt water. Integrated heater and control system. Wall mounted up to 72 kW, floor mounted up to 144 kW. Single pass or recirculation. All titanium or stainless steel wetted parts. Custom controls available. cULus.

**Chemical/Solvent Heaters**
Optimum solution for heating solvents and IPA! 316SS Electropolished heaters for Surface Finishing and Solvent applications. Up to 36 kW and temperature range up to 180°C. Single pass or recirculation. All 316 stainless steel wetted parts. Custom controls available. UL823, UL499, CSA 22.2 and CE certified.
**Immersion Coils and Inline Exchangers**

### Metal Immersion Coils

Designed and built to your specific application needs. Grid coils (single and multi-layer), serpentine coils, helical coils and “U” coils. Standard and custom designs. Steam or water service for heating or cooling. Immersion liquid-to-liquid heating/cooling. Wide variety of materials available including: titanium, 316 stainless steel, and zirconium.

### Fluoropolymer Immersion Coils

Rugged construction for difficult applications. Integral perforated fluoropolymer guards. Excellent chemical compatibility. 30 PSI steam, 60 PSI steam, or water service. Integral inlet/outlet manifolds for single point plumbing connections. Immersion liquid-to-liquid heater/cooling. Up to 46 square feet (4.3 square meters) exchangers are available.

### Inline Exchangers

Sized to your application. 316L stainless steel spiral plate (up to 15 square feet/1.4 square meters) design. Custom manufactured shell and tube fluoropolymer heat exchangers also available, contact factory for assistance.

---

**Power Supplies**

### Power Supplies/Rectifiers

Now offering a wide range of highly accurate and precise DC, Pulse, and Pulse Reverse power supplies! Featuring output ranges from 0.001 amperes to 13,000 amperes.

---

**Temperature and Liquid Level Controls**

### Temperature Controls

Wide range of styles available for your wet process application. Digital controls in 1/4, 1/8 and 1/16 DIN sizes. Combination controls for large heater installations up to 150 amp capacity. Custom designed central control stations. Fluoropolymer-covered temperature sensors included standard. Plastic enclosures for chemical resistance.

### Liquid Level Controls

Conductivity and capacitive style level controls for the ultimate in reliability. Multi-level controls available (up to five levels in one probe assembly). Can be packaged and matched with our temperature controls. Several materials available for chemical compatibility.

---

**Accessories**

We offer a wide variety of accessories including: thermowells to stabilize temperature sensors in the tanks, digital timers to start heat up cycles, amp hour meters to measure rectifier output, solenoid valves to turn on/off heat exchangers, strainers to remove contaminants from steam lines, coil insulators to protect metal heat exchangers from stray electrical current, vacuum breakers for protecting fluoropolymer heat exchangers in steam lines from collapse, and rigid temperature sensors.