

## DI Water Heaters

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**Lufuran™ Fluoropolymer Water Heaters:** One of the most popular high purity water heaters in the world. Proven technology for UPDI heating applications and suitable for the most stringent high purity specifications. Constructed with all **PTFE** and **PVDF** wetted parts. Patented “purged” resistive element design offers exceptional **MTBF of ten years**. **Third party certified** to SEMI and UL standards, and CE compliant. Standard patented DAC™ software provides accurate temperature control for different flow and temperature requirements. Sizes available up to **312kW**.



**H<sub>2</sub>OT SHOT™ Quartz Water Heaters:** High purity water heaters for demanding applications. Resistive element design for maximum service life. Ultra pure **quartz** wetted parts for superior cleanliness. **Third party certified** to SEMI and UL standards, and CE compliant. Standard patented DAC™ software provides accurate temperature control for different flow and temperature requirements. Sizes available up to **72kW**.



**Tytan™ Water Heaters:** This heater is a low cost, high quality alternative for noncritical DI and RO water heating applications. Constructed with **titanium elements** and wetted parts for exceptionally long life. **Third party certified** to UL standards. Semi and CE compliant configurations available upon request. PID control standard. Sizes available up to **144kW**, wall mounted up to 72kW.

## Inline Chemical Heaters

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**TIH Fluoropolymer Chemical Heaters:** Durable inline heaters for virtually any chemistry. **For use in processes up to 180°C (356°F)**. **Third party certified** to SEMI and UL standards, and CE compliant. Several plumbing configurations offered. Vertical mounting standard, optional horizontal configuration available. Model with cooling coil combination also available. Sizes up to **18kW**.



**H<sub>2</sub>OT SHOT™ Quartz Chemical Heaters:** Constructed with all ultra pure quartz wetted parts. Excellent choice for SC1, SC2, and other quartz compatible applications. **For use in processes up to 180°C (356°F)**. Exceptionally easy maintenance. Several plumbing configurations available for maximum flexibility. **Third party certified** to SEMI and UL standards, and CE compliant. Sizes available up to **12kW**.

## Solvent/Nitrogen Heaters

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**Soltan™ Inline Solvent/Gas Heaters:** Electric heater with stainless steel flow path designed for **safe, indirect heating** of many solvents including but not limited to: NMP, EKC 265, EKC 830, ACT 690, and ACT 97. Also heats inert gases (nitrogen, etc.) up to 200°C (392°F). Standard and high flow versions available. Suitable for class 1, division 2 hazardous environment. Sizes available up to **18kW**.

## Electric Immersion Heaters

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**TFB Series, Immersion Heaters:** Fluoropolymer immersion heaters for chemical bath applications. Constructed with our exclusive patented N<sub>2</sub> “purged” elements for extended service life. Custom configured to fit your tank size. High efficiency in a compact design, and an excellent alternative for replacing strip heaters on quartz tanks. Two basic configurations available: TFB for bottom heater applications, and TFW for inside tank wall requirements. Small package size for fast heat-up. Sizes available up to **15kW**.



**HX Series, Immersion Heaters:** Fluoropolymer immersion heaters for chemical bath applications. Metal ground for safety. Durable design for longevity, and optional patented N<sub>2</sub> “purged” elements available for extended service life. Standard thick wall sheath construction. Three basic configurations offered: HXRL for low profile bottom heater applications, HXOL for higher wattage requirements, and HXSL for inside tank wall specifications. Standard and custom configurations available. Sizes up to **6kW**.

## Heat Exchangers

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**XC Series, Inline Fluoropolymer Heat Exchangers:** Rugged inline heat exchangers ideal for one pass cooling of chemicals dumping to waste stream. This product is also appropriate for heating applications. Eliminates high costs associated with water aspiration. PP or PVDF housing and fluoropolymer tubing. Custom configured for your application. **Custom sizes** available, please contact factory for sizing assistance.



**TherMax<sup>2</sup> Spiral Plate Heat Exchangers:** Compact, low carbon stainless steel heat exchanger design is ideal for solvent heating or cooling. **Enhanced turbulence** for high efficiency thermal exchange while maintaining minimal pressure drop. All welded construction. Seven sizes available, up to 15 square feet (1.4 m<sup>2</sup>).

## High Temperature Filters

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**LFTH Series Filter Housing:** **Reusable** high temperature filter housing made of heavy wall PTFE for the most demanding applications. Capable of **applications up to 180°C** (356°F). Utilizes standard single, open-end (flat end) filter cartridges with double 222 o-ring seal. **Three sizes** available: 10 inch/70mm, 20 inch/70mm, and 10 inch/83mm cartridge sizes.

