**Lufran®**: 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.

**Tytn™**: 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 Solvent/Chemical Heaters**

**Frontier™**: Safely heat the harshest solvents or chemicals with the Frontier, which delivers superior temperature stability and offers outstanding performance over a wide range of flow and temperature requirements up to 180°C. Optional self-limiting element offers additional safety. UL823, UL499, CSA C22.2 certified and CE compliant; rated for Class 1, Division 2 hazardous locations. Sizes up to 36kW.

**SHB/SHC**: The SHB and SHC series are a compact size electric inline heater for lower Wattage applications designed to safely heat solvents or chemicals through indirect contact instead of direct immersion. These heaters deliver superior temperature stability with changes in flow and offer multiple temperature sensors to ensure safe operation. ETL listed and CE compliant; tested to UL823, UL499, and CSA C22.2. Available with either electropolished stainless steel or fluoropolymer wetted surfaces. Sizes up to 2kW.

**Nexus**: This multi-loop heater allows you to heat up to four separate process loops with a single heater. Featuring all PFA wetted surfaces with no o-rings for ultra pure cleanliness. Nexus has excellent temperature stability with changes in flow and very low Watt-density. Safely heat solvents and IPA due to indirect heating, including being capable of heating liquids to near boiling points without outgassing. Optional self-limiting element also available for additional safety.

**Heat Exchangers**

**XC Series, Inline Fluoropolymer Exchangers**: Rugged inline heat exchangers ideal for single 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.
Pro Series: Now offering a wide range of highly accurate DC, Pulse, and Pulse Reverse power supplies! Our Pro Series features outputs from 0.001 to 50 amperes. It provides precise process control for critical electrochemical applications with complete customization tailored to your exact needs, including PC or web browser controls.

**Inline Chemical Heaters**

ChemHeat Compact Fluoropolymer Chemical Heater: Ultra-pure inline heater for heating of acids, bases, and water. Featuring a fast heat-up time from a reduced internal volume that minimizes chemistry costs. Enhanced safety features including an internal ground plane, patented purged housing for detecting leaks, and a very low watt-density. Our patented purged housing also extends service life by removing chemical permeates that could damage heating elements. For processes up to 95°C with sizes available up to 6kW.

TIH™ Fluoropolymer Chemical Heater: Durable inline heaters for virtually any chemistry. For use in processes up to 180°C. 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.

HCQ Quartz Chemical Heater: 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. 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.

**Electric Immersion Heaters**

TF Series: Fluoropolymer immersion heaters for chemical bath applications. Constructed with our exclusive patented N₂ “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 12kW.

HX Series: Fluoropolymer immersion heaters for chemical bath applications. Metal ground for safety. Optional patented N₂ “purged” elements available for extended service life. Standard thick wall sheath construction. Numerous standard and custom configurations available. Sizes up to 18kW.

**High Temperature Filter Housing**

LTFH Series: Reusable high temperature filter housing made of heavy wall PTFE for the most demanding applications. Capable of applications up to 180°C. Utilizes standard single, open-end (flat end) filter cartridges with double 222 o-ring seal. Multiple sizes available.

**Inline Solvent/Gas Heaters**

SoltaN₂: The Soltan heats inert gases (nitrogen, etc.) up to 200°C. Standard and high flow versions available. Suitable for class 1, division 2 hazardous environment. Sizes available up to 18kW.

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