

AIRCRAFT TANKLESS WATER HEATERS

Keltech aircraft tankless water heaters are custom built to meet your specs. Designed to exacting specifications and tested to ensure precise temperature delivery and specific flow rates, Keltech tankless water heating solutions perform reliably even in the most exacting environments.

THE ES7 SERIES MODELS PERFORM ON-DEMAND AND CAN ACCOMPLISH MOST AIRCRAFT FLUID HEATING APPLICATIONS THAT REQUIRE HOT WATER:

- Lavatories
- Showers
- Galleys
- Testing thermal fluids
- Pure drinking (reverse osmosis) water

Keltech aircraft tankless water heaters are compact and lightweight and fit in tight spaces under lavatory sink cabinets, in bulk heads, and in galleys.

Keltech can custom build a lightweight, energy efficient aircraft hot water heater that provides precise temperature control at the flow rate you need.

Keltech aircraft water heating solutions range in size and capacity from 5 kilowatts to 18 kilowatts.

Powered to operate at 400hz 115 volt phase to ground, Keltech tankless water heating solutions for aircraft applications run at 208 volt AC with a controlled 28 volt DC electrical supply.

Precision engineered for optimal performance, Keltech aircraft water heating solutions meet applicable Mil-Spec requirements. All units are made of lightweight aluminum, and are built to last featuring quality control systems and premium materials like copper and brass to meet your demanding specs and increase the life of the heater.

THE KELTECH AIRCRAFT PROCESS HEATERS ARE:

- *Compact* – our aircraft water heaters fit in tight spaces like galley cabinets, in bulk heads, and lavatory sink cabinets
- *Easy to Install* – Just add water and power. All you need is access to one electrical connection, a cold water line, and plumbing to a drain.
- *Safe* – Safety is paramount. We have engineered redundant safety features into all Keltech tankless heaters to protect people and your investment. Keltech tankless water heaters also meet DO 160 vibration testing requirements, FAA burn testing requirements, and applicable Mil-Spec requirements.
- *Built to Last* – all Keltech tankless water heating solutions feature lightweight aluminum and rugged components

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AIRCRAFT TANKLESS WATER HEATERS *(continued)*

- *Energy Efficient* – Keltech aircraft water heaters are lightweight, and perform on-demand requiring power and water only when needed
- *Easy to Maintain* – Our aircraft tankless water heaters require minimal maintenance. We recommend regular visual inspections and functionality testing.

KELTECH TANKLESS WATER HEATING ADVANTAGES FOR AIRCRAFT APPLICATIONS:

Energy Savings

Keltech's heaters are tankless and heat water only when it's needed. There's no wasted energy. There is no excess weight.

Low Flow Activation

With a Keltech tankless water heating solution, you don't need a high-pressure feed line to ensure an adequate flow of water. Our minimum aircraft activation flow rate can be as low as .5 GPM and still provide adequate flow of water to multiple sinks.

Flow Modulation to Meet the Demand

Keltech tankless water heating solutions can be spec'd to meet the maximum demand for any application. Our aircraft tankless water heaters modulate power to meet the right temperature for the flow requirements without using excess energy. Tanks do not have the ability to accurately control water temperature or energy usage. The added tankless benefit is maximum energy efficiency. With a Keltech tankless solution, there is no wasted water or unnecessary heating.

Safe Lavatory Temperature Settings

Because Keltech tankless water heating solutions can provide precise temperature range, you can pre-set lavatory temperatures from 105° F to 115° F. Galleys can be set as high as 140° F with the High Temperature option.

De-ionized and Reverse Osmosis Water Solutions

Keltech has developed unique and exclusive protection systems that meet the requirements for ultra pure water. All ES series aircraft process heaters are available with an optional Teflon® like fluorocarbon protective coating on internal passageways, Keltech's water heating solutions are A-rated for de-ionized water and reverse osmosis water.

Reliable Performance and Minimal Maintenance

Keltech tankless fluid heaters are built to last. We design and manufacture each custom built heater using rugged industrial strength components made of high quality copper and brass construction to extend the life of the heat exchanger. We pressure test each unit at 600 PSI to meet your exacting requirements and the demands of any environment. And, we are committed to specing quality components like Incoloy 800 sheathed heating elements to lengthen the useful life of the element.