

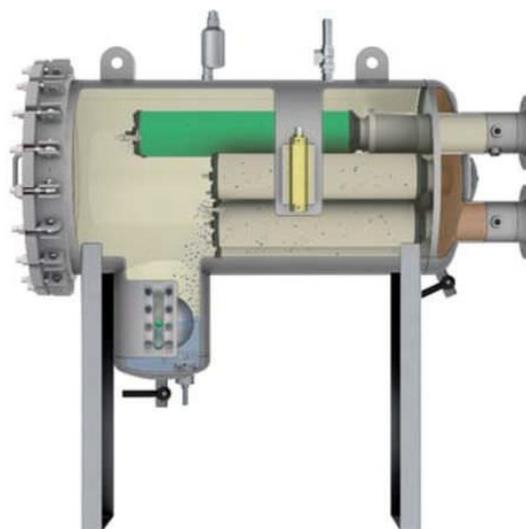
FAUDI AVIATION'S RANGE OF FILTRATION EQUIPMENT



Faudi Aviation offers a wide range of filter vessels, filter elements and sensors to cover a number of different applications including Aviation, Diesel, Military and Offshore. We keep a stock of various filter elements and can provide others within a short lead time.

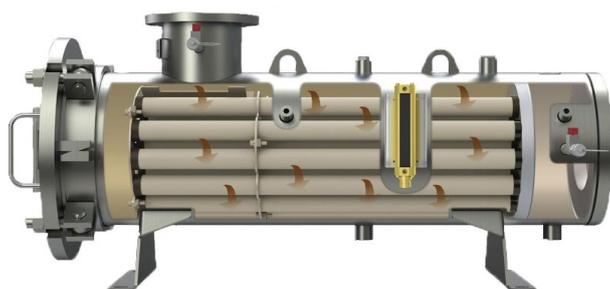
Filter Water Separators.

Filter Water Separators (FWSs) are designed to remove water from fuel at any stage of the supply chain. They contain two stages of element. The first stage (coalescer) causes fine water droplets to come together forming larger droplets which then fall under gravity into the vessel sump. The second stage (separator) acts as a final barrier preventing small water droplets from exiting the vessel with the fuel product. The vessels are available in either a horizontal or vertical orientation and in either Carbon Steel or Stainless Steel. Faudi also offer FWSs that are designed specifically for offshore and military installations. The latest addition to the range is the FWS that uses 2 inch coalescers which is specifically designed for installation on vehicles where space is limited. The elements are fully compliant with EI 1581 6th edition Category C, Type S as well as Category M, Type S. We can also offer conversions on competitor's vessels with a similarity certificate and nameplate in accordance with EI 1582 2nd edition.



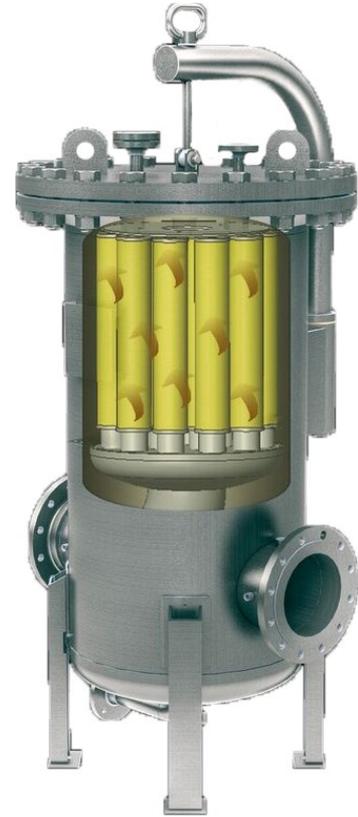
Monitors.

Monitors are designed to be the last form of defence against water before the fuel enters the aircraft. Most hydrant dispensers are fitted with a monitor vessel but they are commonly used on the refuellers as well. Monitors are sometimes fitted at the fuel terminals but the main application is for mobile use so monitor vessels are normally of a horizontal orientation to save space. The vessels are available in Carbon Steel and Stainless Steel and are fitted with either 2 inch or 6 inch monitor elements which are fully compliant with EI 1583 7th edition. The 2 inch monitor vessels come complete with an interlock system that prevents the vessel from being closed without the correct number of elements being installed. Lower flow rate vessels are available without this option if required. The 6 inch monitor vessels are less common than the 2 inch, but they have a higher water holding capacity which makes them preferable in some situations. **Monitors are NOT suitable for use with fuels containing Anti-Icing Additive.**



Microfilters.

Microfilters are designed to remove dirt from the fuel at any stage of the supply chain. A microfilter vessel is sometimes installed in front of a FWS in order to protect the coalescer elements from blocking if the product contains high volumes of particulate contamination. Given the main application is at refineries, terminals or airport receipt lines, the microfilter elements are usually housed in vertical vessels. Horizontal vessels are available should space be limited or if this is preferred by the customer. The microfilter elements themselves are fully compliant with EI 1590 3rd edition and are available in a range of micron ratings. Non EI approved elements are available as an alternative.



Clay Treatment.

Clay Treatment vessels are used to remove unwanted surface acting agents (surfactants), colourants and additives that can be picked up during the refining process or during the transportation of Jet fuel. Unwanted surfactants can accumulate in vessels and disarm coalescers and separators which affects their water removal capability. Clay Treatment Vessels are therefore commonly installed upstream of FWS vessels at refineries, ocean terminals or other locations with large throughputs of dubious quality fuel.

Single Element Filtration.

There are locations such as General Aviation sites, which require low flow rate, inexpensive filtration. For these applications Faudi have small vessels that house a single element and are available as either a monitor, FWS or microfilter. The monitor vessel is suitable for flow rates up to 193 litres/minute and is tested and qualified to EI 1583 7th edition. The FWS houses a combined coalescer/separator and is available with either a commercial or military element. The FWS vessels are tested and qualified to EI 1581 5th edition (compliant to EI 1581 6th edition), with the commercial element reaching a maximum flow rate of 136 litres/minute and the military element reaching a maximum flow rate of 90 litres/minute. The microfilter vessel is suitable for flow rates up to 177 litres/minute and is tested and qualified to EI 1590 3rd edition.



If you would like further information please contact our Sales Department at sales@aljac.com.