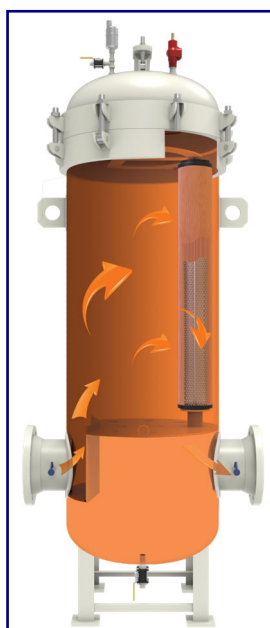


FACET FILTRATION GROUP'S RANGE OF FILTRATION EQUIPMENT

Facet Filtration Group offers a wide range of filter vessels and filter elements to cover a number of different applications including Aviation, Diesel, Military and Offshore. We hold stock of the more commonly used filter elements and can supply all other filtration equipment from the Facet range within short lead times.

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. Facet also offer FWSs that are designed specifically for offshore and military installations. The elements are fully compliant with EI 1581 7th edition Category C, Type S as well as Category M and we can also offer conversions to competitor's vessels with a similarity certificate and nameplate in accordance with EI 1582 2nd edition.

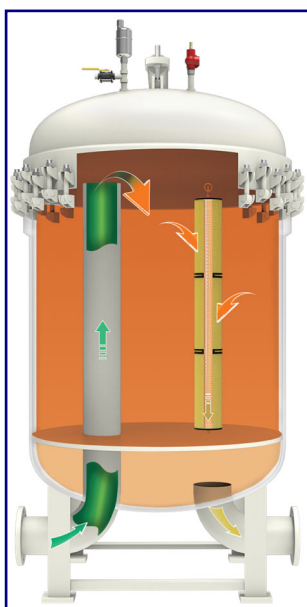


Microfilters

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 extend the life of the coalescer elements 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.

Filter Water Barrier

The Filter Water Barrier (FWB) is a drop in replacement for 2 inch monitor elements following the withdrawal of the EI 1583 specification at the end of 2020. They act as a robust shield against both water and fine solids such as rust, sand and other particles that could be found in Aviation fuels. The elements are compliant with EI 1598 2nd edition and are available with a 2 inch diameter only. The filter water barrier elements can be used on Jet A1 and fuel where FSII (anti-icing additive) is present.



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 fuel which could contain surfactants.

Single Element Filtration

There are locations such as General Aviation sites, which require low flow rate, inexpensive filtration. For these applications Facet have small vessels that house a single element, these are available as either a FWS or microfilter and in 2 different sizes (9 inch and 12 inch). The FWS houses a combined coalescer/separator with a maximum flow rate of 133 litres/minute for the 9 inch element and 189 litres/minute for the 12 inch element. The microfilter vessel is suitable for flow rates with 170 litres/minute for the 9 inch element and 212 litres/minute for the 12 inch element.



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