

20th April 2020



FACET's latest filter element developments

Dear Valued Customers,

This bulletin provides a quick update on FACET's latest developments regarding Monitor replacement technology to combat the pending expiration of EI-1583 in Dec 2020.

Energy Institute (EI) have confirmed that they are removing the EI-1583 qualification standard by December 31, 2020. In doing so, EI are not removing the qualification of existing EI-1583 7th Edition qualified products, and Joint Inspection Group (JIG) have communicated that the use of monitor elements will be allowed by the end of 2020.

EI have already issued specifications for EI-1599 (Dirt Defense), EI-1588 (Water Barrier) and are currently reviewing EI-15xx (Water Containment).

EI-15xx (Water Containment element)

Facet is progressing well with the development of their EI-15XX Water Containment element. This technology would serve as a drop-in replacement for EI-1583 monitors. Based on current time lines we expect field trials to commence in the USA by approximately August/September 2020.

EI-1599 (Dirt defense)

Since this technology will only remove dirt, these filters must be used in conjunction with what could be a costly electronic water sensor (EI-1598).

Facet has conducted an extensive development program on the Dirt Defense filter technology which is required to use a qualified electronic water sensor (EWS) for into plane fueling. Through this development Facet completed a thorough test program to validate the performance of the technologies. It has been found that the EWS does not accurately report the water concentration passing into the aircraft within normal process variations anticipated during airport fueling operations, such as the proximity of the EWS to bends in piping, the water droplet size distribution and low flow rates. As a result, Facet has elected to cease development of the Dirt Defense cartridge at this time.

EI-1588 (Water barrier)

Water barrier filters should be able to be used in conjunction with what could be a costly electronic water sensor (EI-1598) to ensure there is no water passing downstream, this practice is recommended by some manufacturers. When using these filters, vessel will need to be sumped daily to ensure there is not any blocked water being held in the vessel which would create an opportunity for microbial growth.

If you have any questions please don't hesitate to contact your local Liquip Representative.

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