



Parker Hannifin Corporation  
Aerospace Filtration Division  
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February 5, 2021

**RE: Commitment to Continued Support of 2" SAP Monitors**

Dear Valued Customer,

In November 2017, the Energy Institute (EI) updated their specification: *EI 1583 - Laboratory Tests and Minimum Performance Levels for Aviation Fuel Filter Monitors* to the 7th Edition. "The only change from the 1583 6th Edition to the 7th Edition was the inclusion of a requirement that SAP (super absorbent polymer) is not detectable in fuel downstream of a filter monitor element under test during Qualification Testing."

On December 31st 2020, the EI formally withdrew the 1583 specification over concerns that filter monitors qualified to EI 1583 may potentially release super absorbent polymer (SAP) into fuel.

In April 2019, Parker Velcon **qualified** our new CDFX-2XX series water barrier filters to EI 1588 1st Edition and shortly thereafter, commenced with field trials in accordance with A4A/IATA/JIG newly established trial evaluation process for new technologies. Unfortunately, due to the unprecedented downturn in airport and flight operations due to the Covid-19 pandemic, field trial activities have been negatively impacted.

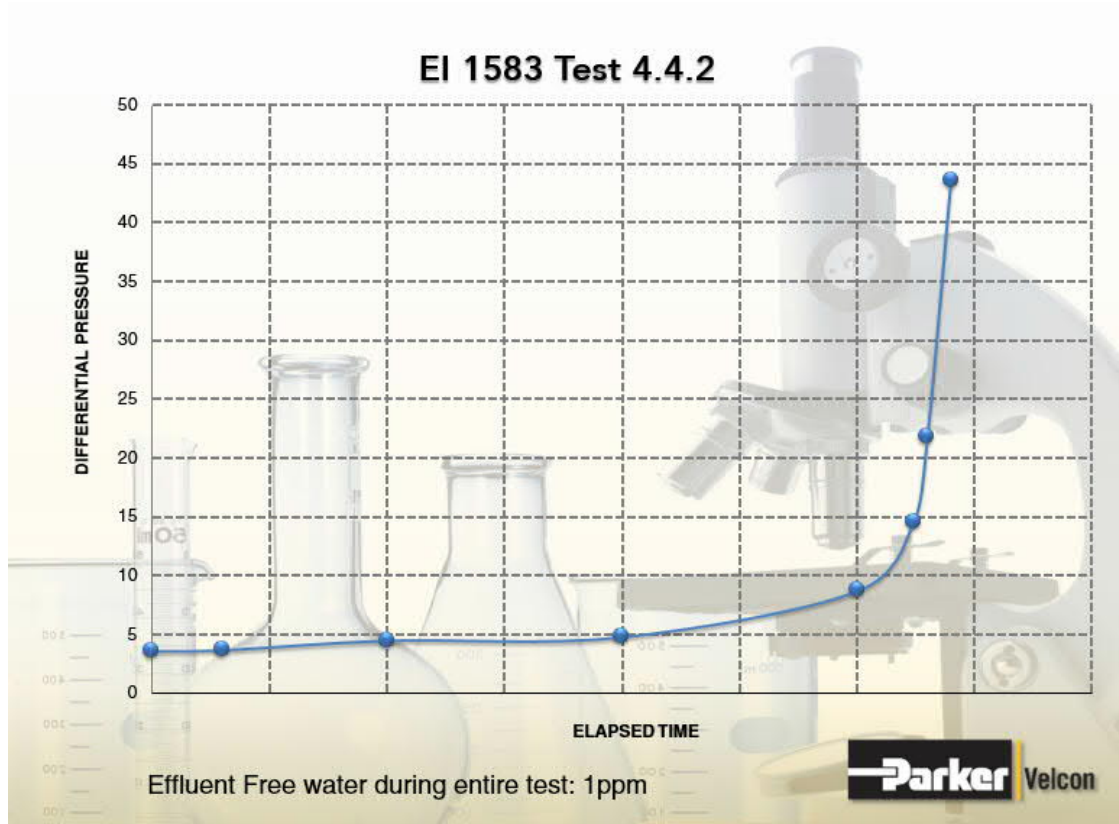
In May 2020, A4A/IATA/JIG issued a bulletin: [Joint Industry Filtration Field Trials](#) stating that filter monitors previously qualified to EI 1583 7th Edition will remain listed in ATA-103 and JIG operating standards. EI has also stated that existing qualifications for such filter monitors will remain valid even though the specification has been withdrawn, provided that no changes are made to the design, materials, or construction.

On June 8th 2020, Parker Velcon stated our [commitment](#) to the industry by notifying users that we would continue to supply previously qualified EI 1583 7th Edition filter monitors until such time as our barrier filter technology completes Joint Industry commercial aviation field trials.

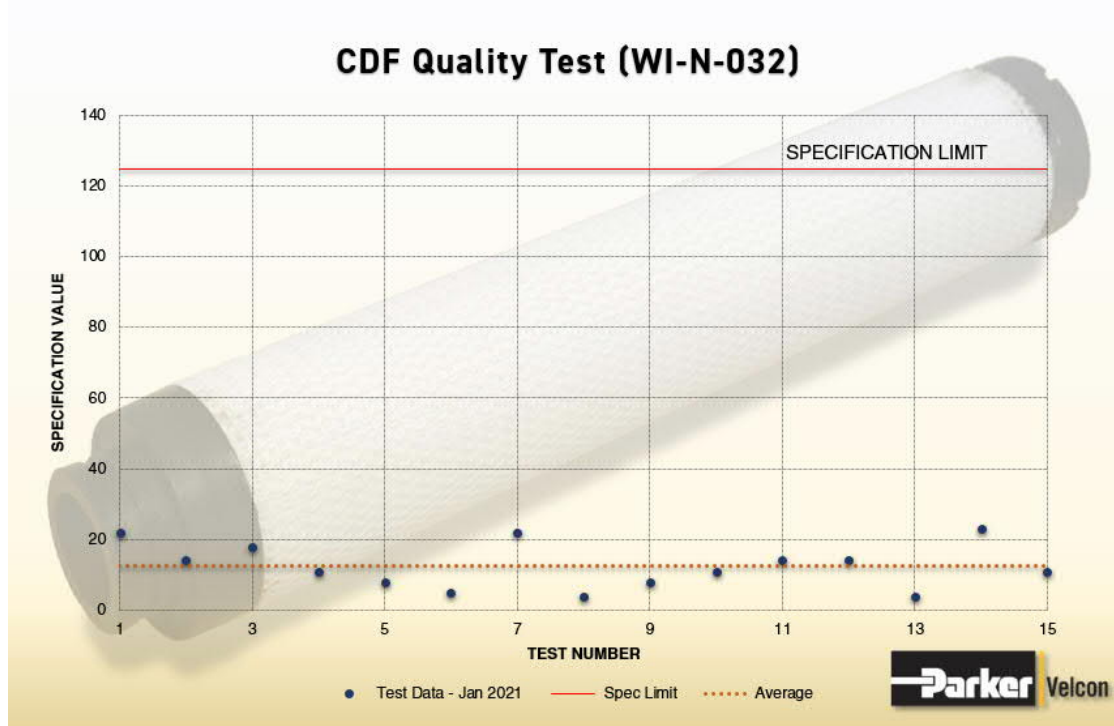
Today, we reaffirm our commitment in continuing to support current users of 2" SAP filter monitors. When used in conjunction with the mitigating guidelines indicated in both [A4A bulletin 2018.1](#) and [JIG Bulletin 105](#), Parker Velcon's previously qualified EI 1583 products have proven to be a consistent and effective technology for ensuring delivery of Clean Dry Fuel.

To ensure ongoing performance and quality, filter monitor elements are regularly sent to our Jet Fuel Laboratory for testing. Our filter monitors continue to meet or exceed the EI specifications including less than the detection limit of 50 parts per billion of ICP Cu as measured during the media migration test.

Jet Fuel Test Result Example:



As a focal point of our culture on continuous improvement, we regularly monitor and improve our world class manufacturing processes. Some examples of this commitment to outstanding quality includes; razor-wave blade cutting process, 100% vacuum cleaning of all filters, 100% length measurement and visual inspection of all finished goods. Furthermore, a recent statistical analysis of the quality data for one of our internal CDF quality tests (WI-S-015) showed a process capability index (Cpk) over 6. For reference, a Cpk of 2.0 is considered "Six-Sigma" and has a defect rate of 3.4 parts per million.



***As always... Safety is Our Priority!***

Sincerely,

Jay Studer  
General Manager

Robert Guglielmi  
Global Business Development  
Manager

Lewis Wolfe  
Division Engineering Manager

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