

The Clarifier

CDFX™ READY TO ROLL!

Now Accepting Orders for CDFX EI 1588 Qualified Water Barrier Filters.

We are officially launching our highly anticipated, CDFX Water Barrier Filter (WBF) – the only true drop-in replacement for 2” SAP monitor cartridges. The product datasheet can be found at:

<https://velcon.us/download/vel2296-parker-cdfx-ei-1588-water-barrier-technology/>

Since the industry’s decision to phase out SAP monitor elements by mid-2023, Parker Velcon has been diligently working on the first generation of WBF technology that is a true drop-in replacement for current EI 1583 2” monitor elements. CDFX prevents both dirt and water from reaching the aircraft. Parker Velcon CDFX elements are 100% qualified to EI 1588 1st Edition and can be installed at fueling locations not required to meet A4A or JIG operating standards; including General/Business/Private Aviation as well as Military Aviation.

For commercial applications, the CDFX is currently undergoing JIPL field trials and it is highly expected to become a part of the operating manuals for both A4A and JIG in 2021.

The following qualified elements are available:

- CDFX-205A
- CDFX-210A
- CDFX-215A
- CDFX-220A
- CDFX-225A
- CDFX-230A

Since EI qualification, hundreds of CDFX filter elements have been exposed to tests in the field including EI Phase II Robustness Tests, JIPL Field Trials, and independent General Aviation Field Trials. A large number of these General Aviation trial elements were returned to our laboratory for examination and post use

testing. In every case, the CDFX elements have always passed structural, emulsion, and water slug testing. Engineering Manager, Lewis Wolfe, stated *“I believe the CDFX has been the most thoroughly tested, robust, and reliable fuel filtration technology ever developed. No matter what conditions the CDFX filter is exposed to, it always does its job and prevents dirt and water from passing downstream. We have found this to be true over and over, for both new and used filter elements. We see no signs of performance degradation from contaminants or surfactants in the field.”*

Parker Velcon CDFX WBFs **do not** require the addition of any other equipment – simply remove current 2” monitors and replace with new CDFX elements **that offer identical flow rates to our CDF SAP Monitor.** Unlike water absorbing elements, CDFX elements repel water on the upstream (dirty) side of the element.

For price and delivery information, contact your local Parker Velcon Distributor or your Territory Sales Manager.

CDFX is a state-of-the-art, cutting edge and highly efficient filter that provides the ultimate in CLEAN DRY FUEL™. We are very proud of the hard work and dedication of our team in getting this new filter ready for market. Nevertheless, we’re not resting on our laurels – **we’re taking what we’ve learned from this unique technology to advance Water Barrier Filtration! We’re already hard at work on further R&D to enhance this first generation and produce the next generation of the CDFX.**

Stay tuned!



Please contact us at vfsales@parker.com for comments or questions.

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Our Commitment – Parker Velcon and our worldwide network of **Authorized Distributors** offers you unequalled Customer Service with on-time deliveries, unparalleled technical support, product development and quality products. For a discussion of your specific requirements, contact your local Parker Velcon Distributor or your Territory Sales Manager.

ACOX™ NEARLY READY!

We're Now Accepting Pre-Orders for ACOX Water Barrier Filters for small single element housings.

As exciting as the news is regarding our CDFX, we're just as excited to let you know that our ACOX is almost ready to launch. In fact, we are accepting preorders for the following elements:

- ACOX-512A*
- ACOX-524A*
- ACOX-609A*
- ACOX-612A*
- ACOX-614A†

Whether installed in Parker Velcon VF-61, VF-609 or our competitors' equivalent housings, our ACOX prevents dirt and water downstream of filtration - however, it is imperative that any water accumulated be drained at each fueling. Both the CDFX and the ACOX use our newly developed first generation of Water Barrier Technology. We strive to engineer better solutions for the markets we serve and will continue to develop WBF to meet and/or exceed current and future industry specifications.

The product datasheet can be found at:

<https://velcon.us/download/vel1681-acox-aquacon-aviation-fuel-monitors/>

Parker Velcon ACOX WBFs **do not** require the addition of any other equipment - simply remove the old elements and replace with new ACOX elements; **ACOX offers the same flow rates as our ACOs**. Unlike water absorbing elements, ACOX elements repel water on the upstream (dirty) side of the element.

* ACOX-512A, ACOX-524A, ACOX-609A and ACOX-612A are not currently included in any EI specification. However, these elements were tested to and meet the effluent fuel quality and structural requirements of EI 1588

† ACOX-614A **will** require EI-1588 qualification. The Energy Institute is currently finalizing an addendum for the specification to include this WBF model. Unfortunately, we will not be able to accept pre-orders of these elements until they are qualified to the specification and/or accepted by A4A/ IATA/JIG.



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PARKER VELCON SUPPORT



Pierre Poitras

Operating as Fuel Plus Consulting, Pierre worked for the Department of National Defence (DND) of Canada for more than thirty-four years in his position as Technical Authority for Fuels and Lubricants. He has a B.Sc. in chemistry from Ottawa University. He was responsible in coordinating projects where strong investigative skills were required and in providing appropriate technical recommendations.

Over his career, Mr. Poitras represented the Canadian Department of National Defence as the Head of Delegation for the NATO Fuels and Lubricants Working Group. He is still an active member of the American Standards Testing Material (ASTM), the Canadian Government Standards Board (CGSB), the Canadian Standard Association (CSA), and the International Air Transport Association (IATA) Technical Fuels Group.



Dennis Hughes

For those of you who don't know, Dennis retired from Parker Velcon back in March 2020. Luckily, we were able to engage with Dennis through his new company, 1550 Consulting Pty Ltd, as a technical resource. Having spent more than 50 years in the filtration industry, Mr. Hughes brings a wealth of knowledge and wisdom to our team with his thorough understanding of the science of aviation fuel filtration.

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