

# *the* **CLARIFIER**



February 2019



We are exhibiting at  
InterAirport Europe 2019  
October 8 - 10, 2019  
Hall B6, Booth 220, Munich, Germany  
We look forward to seeing you at the show.

## EI1588 CDFX Water Barrier Update



After the Surabaya incident in 2010, pressure began to mount in the Aviation Refueling market that SAP (Super Absorbing Polymer) monitor technology needed to be replaced. With this knowledge, Parker Velcon began developing a fresh approach for into-plane fueling filtration technology. Since there is no practical solution in designing absorbent containing monitors that can guarantee zero downstream extractables, water and dirt had to be stopped using proven dirt filtration and hydrophobic technologies.

Parker Velcon dedicated significant resources to developing a new technology branded CDFX™ (Clean Dry Fuel eXtreme). Our goal for this project, from its inception, is to provide a product that is reliable in defending against both water and dirt contaminants at into-plane refueling. When we began working on this project years ago, we had very high expectations on the performance of the CDFX monitor. Our laboratory testing to date verifies that our expectations are being met and we firmly believe that we can deliver a reliable, safety driven product.



Working closely with the Energy Institute, Parker Velcon supported the development of the EI1588 Water Barrier specification for element qualification. This rigorous specification contains most of the same tests and all the same effluent requirements in the traditional EI1583 fuel filter monitor specification. The twenty-one tests included in this specification consist of the rejection of emulsified

and slug water, filtration of solids/dirt removal, salt water and DiEGME (FSII) resistance, and many challenges at varying fuel flow conditions.

There will be several product qualification steps and challenges before we can bring the product to market. Presently, we are completing the required two iterations of our internal EI1588 qualification. We are confident that we will complete this portion of the qualification in February 2019 and will submit this data to the Energy Institute for review and comment. Given our current pace, we are expected to complete the Energy Institute industry witness qualification in late March or early April this year. Internal and external robustness testing will follow immediately. After the qualification and robustness testing is complete, we look forward to collaborating with Airlines for America (A4A) and the Joint Inspection (JIG) to conduct the final step of field trials that can potentially begin as early as mid 2019.

We have heard and understand the industry's concerns with the December 2020 EI1583 filter monitor specification withdrawal deadline soon approaching. Parker Velcon is committed to providing the market with a true water and solids removal drop-in technology while ensuring a premier reliable solution that performs when most critical.

If you are interested in participating in the upcoming EI1588 witnessing, let us know by replying to this newsletter or contact Phillip Tran at [phillip.tran@parker.com](mailto:phillip.tran@parker.com).

---

## EI1598 Water-in-Fuel (WIF™) Sensor Update



We are excited with the progress our engineers are making toward finalizing the development of our simple and cost-effective water in fuel (WIF) sensor. **We have tested the WIF sensor to the Energy Institutes' EI1598 2nd edition requirements without issue.** We are now in the process of completing our internal robustness testing, which also includes thermal cycling and vibration testing. Lastly, we are working with an external testing organization to complete our electrical certification to IECX & ATEX (Class 1, Zone 0). Once complete, we look forward to announcing the availability of the WIF.

---

## When the Muzik Stops.



The Parker Velcon team would like to wish Tom Muzik all the best as he has accepted a leadership position in a Fuels and Energy company located in Colorado, USA.

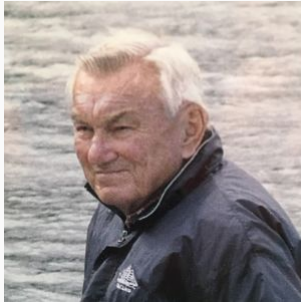
Over the past ten years, Tom's leadership has been instrumental in directing Velcon through the transition from a family owned business to the Parker Hannifin Corporation, while working closely with the Velcon leadership team to develop the new generation of aviation filtration products. He has been a vital voice in the aviation fuel filtration community and his constant focus on ensuring that Velcon is committed to the safety and growth of the industry. We wish him

many great successes in his new role!

*"The decision to accept this new role has been difficult for me as I have a great appreciation for what Velcon, and the entire aviation market, accomplishes every day in assuring the delivery of clean dry fuel. I have no doubt that the Velcon team will continue to deliver today's world-class filtration solutions, while quickly bringing the next generation of fueling solutions to the market for tomorrow's needs. "*

Tom Muzik

## Parker Velcon Remembers



Parker Velcon remembers **Lu Taylor**.

Lu was the founder and owner of Velcon Filters, Inc. for 55 plus years. Lu had a love for sailing the seas. Lu passed away on September 20, 2018 at his residence. He is survived by his two sons, David, Richard and daughter, Carol; 5 grandchildren; and 14 great-

grandchildren.



*"Lu was responsible for founding Velcon Filters that was recognized as the premier Aviation Fuel Filtration Company in the world. He was a tough leader respected throughout the Industry for leading a successful team of Filtration people that developed a comprehensive range of products that were built to high standards on time with great customer service.*

*I was proud to be one of his team members and really appreciated all the opportunities I received."*

Dave Taylor



Parker Velcon remembers **Rob Perkins**.

Rob started at Velcon as our plant manager for the Alabama facility in 2007

and eventually accepted the Engineering Manager role in Colorado Springs. Rob was well known in the aviation, petrochemical and industrial

filtration/separation for over 40 years. His passion for filtration could only be surpassed by his love for motorcycles. Rob passed away in his home in Oklahoma in October of 2018. Rob is survived by his wife Gretta Wiseley Perkins.



## Parker Velcon Success Stories

Featuring our latest successes in providing quality filtration solutions that helps our customers create value and market growth.

### JFS2500 Filtration Skid for a Major Electric Utility Company



A major electric utility provider in the east coast uses jet fuel to power turbine generators in their facility. The utility provider recognized an opportunity to market jet fuel to major airline companies and needed a system to remove additives, filter particulate and water contaminants and provide EI qualified fuel to the airport. The company needed a drop-in solution that met their 2500 GPM flow rate need. Our vessel engineering team was able to meet their need and provided several hundred new drawings and assemblies. The company was in urgent need of the skid but agreed that quality was of highest priority. After delivery of the JFS2500 skid, elements were loaded and successfully test flowed through the system. ***The project manager called the JFS2500 "the pride of the operation"***. Parker Velcon was pleased to be able to provide a quality filtration solution to FPL that met their application need without sacrificing on quality.

The JFS2500 is a complete filtration skid solution which includes clay treaters, micronic filtration and filter water separator. The JFS2500 is designed to be a simple drop-in solution for high flow rate fuel filtration applications.

---

### Clay Vessels for an East Coast International Airport





A major airport on the east coast of the United States needed to upgrade their fuel farm. The project involved 19 vessels that included four 66" clay treaters, four 20" micronic filters and eleven filter water separators. The airport needed the vessels completed within 10 months. Working with AFTEC and the airport, Parker Velcon was able to provide the necessary vessels in a sequence that met their site availability schedule. Commissioning is currently underway. The success of this project opened the doors for AFTEC to receive a large upgrade project that will be awarded soon.

---

## Upcoming Events

Parker Velcon will be participating the the following upcoming events.  
We look forward to see you at the events.

**Gammon Aviation Fuel Handling Training Symposium**

March 19 - 21, 2019 - Dallas-Fort Worth, TX

**International Conference of Doble Clients**

April 7 - 12, 2019 - Boston, MA

**IATA Aviation Fuel Forum**

May 21 - 23, 2019 - Athens, Greece

**ILTA 39th Annual International Operating Conference**

June 3 - 5 - Houston, TX

**InterAirport Europe 2019**

October 8 - 12, 2019 - Munich Trade Fair Center  
Munich, Germany

More to come!

---

*Copyright © 2019 Parker Velcon, All rights reserved. Want to change how you receive these emails? You can or .*