

THE CLARIFIER

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Successful Qualifications EI 1581 5th Edition

Velcon Filters, LLC. is pleased to announce two successful completions of a qualification test for the “EI 1581 Specification and Qualification Procedures for Aviation Jet Fuel Filter/Separators, Fifth Edition” as follows:

December 22, 2011:

Category M (Military), Type S-LW, with Jet A fuel filter/separator vessel (horizontal, end-opposed) HVS-3033 at 1057 USGPM, with 14 x I-624JF5TB coalescers and 8 x SO-614VSN5 synthetic separators

March 23, 2012:

Category M (Military), Type S-LW, with JP-8 fuel, 2 stage filter/separator vessel (horizontal, end-opener) HV2460 at 1065 USGPM with 6 x I-656JF5TB coalescers and 2 x SO-648VSN5 synthetic separators



*Qualified Cartridges
VSN5 Separator & JF5 Coalescer*

These tests were the first successful tests for Velcon’s new “JF5” coalescers, and “VSN5” synthetic separators. The JF5 series coalescer cartridges and VSN5 series separators represent the next step up on the technology ladder with regards to increased solids holding capacity, efficient water removal, higher flow rates and extended service life.

Please note that qualification to Category “M” automatically also qualifies for Category “C” for commercial. The new cartridges should be used in cases where higher flow rates are needed.

This is Velcon’s 24th & 25th successful completion of the EI 1581 qualification requirements for the fifth edition of this specification. Please see www.velcon.com/aviation/Qualifications.html for more detailed information.

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Find us on Facebook at www.facebook.com/velconfilters or on Twitter @VelconFilters

Vessels in Stock!

The following filter vessels are currently in stock for quick delivery (subject to change).

Model Number	Flow Rate (Jet)	Type of Vessel
VX-1	50 GPM	Vel-Max®
VX-2	100 GPM	Vel-Max®
VX-3	150 GPM	Vel-Max®
HM0610M150	50 GPM	Horizontal Monitor
AHM1430MRAM	800 GPM	Alum. Horizontal Monitor
VC4854285	600 GPM	Vertical Clay Treater
VV2838285A*	605 GPM	Vertical Filter Separator
HV1633150CX	240 GPM	Horizontal Filter Separator
HV1633150	240 GPM	Horizontal Filter Separator
HV1633M150N3**	300 GPM	Mobile Horizontal Filter Separator

*Available Mid July **Available Late June

For more information, quote and/or availability, please contact your local distributor or Velcon Filters at vfsales@velcon.com or 719.531.5855 →



HV1633150: Stationary Horizontal Filter/Separator

FDPM® MKII

Velcon has re-engineered its FDPM® unit. Based on customer feedback and in-field data, the FDPM® has been significantly upgraded to comply with various aviation standards. The newly enhanced system is called “FDPM® MKII.” For a list of these exciting changes, please visit www.velcon.com/aviation/fdpm.html.

FDPM® MKII main features:

- Automatic calculation of corrected differential pressure for varying flow rates
- Reduces the possibility of human error in the process
- Provides operators with assurance of the condition of the filters within the vessel
- Complies fully with ATA 103, EI 1550 and JIG 1 record keeping requirements
- Class 1 Division 2 certification pending
- NEMA 4X Compliant (Patent Pending)



DISPLAY OUTPUTS:

- Corrected DP
- Actual DP
- Flow Rate
- Peak corrected and actual DP
- DP rise or drop alarm →



Interactive touch screen display example, showing Corrected dP and Flow Information

Airlines for America (A4A) Announces EI 1583 6th Edition 2” Filter Monitor Elements Change-out Policy

The following important announcement was made by the organization that specifies ATA 103 Compliance on February 3, 2012:

The Energy Institute has qualified three suppliers of 2” 6th edition filter monitor elements for use at commercial airports. There are inherent incremental improvements to safety and operations, associated with the 6th edition elements, of which the industry wants to take advantage.

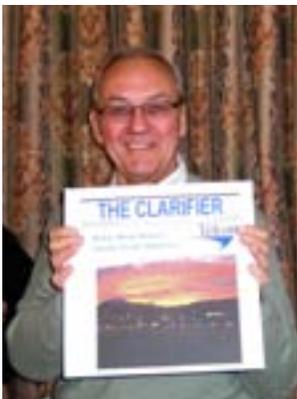
After consulting with Suppliers and End users, the A4A Fuel Technical Committee has agreed to establish a new compliance date of April 30, 2013 for the replacement of all 2” 1583 4th edition filter monitor elements. This policy will be reflected in all future ATA Specification 103 audit materials. **Compliance is defined as all elements installed in vessels as of April 30, 2013 shall be 6th edition. There will be no waivers or variances granted for this compliance date. This policy applies only to those locations which have adopted ATA Specification 103 as their guidance document.**

This notice does not cover the 6” filter monitors. The 6” elements have not yet completed the qualification testing process.

The A4A Fuel Technical Committee is fully supportive of establishing reasonable transition dates which recognize both the technical improvements with the 6th edition elements, which include SAP migration detection, and a cost conscious utilization of existing inventories.

A4A strongly encourages the manufacturers and end users to work together to complete this orderly transition to the 6th edition elements in order to continue to ensure the delivery of clean, dry jet fuel in a cost effective manner to the airline industry. →

Robin Mason Retires



In December, Robin Mason celebrated his retirement from full-time employment with Velcon. After a long and successful career in the filtration industry, Robin retired on December 31. Several distributors and customers also expressed their

appreciation for his work, sending in cards, gifts and even a video. A dinner was held on for Robin and his wife Shirley along with Velcon employees and their spouses. Also, at the company’s annual holiday party, Robin was presented with a memory book, shown above. Robin continues to work on a part-time basis as a consultant for Velcon on specific projects. →

Elona Shrum, 35 Years with Velcon!



In addition to Robin’s retirement, Velcon also recognized employees celebrating anniversaries of continuous service with Velcon. Here, Keith McAslan congratulates Elona Shrum for 35 years of service, quite an accomplishment in this day and age! →

Velcon Filters Completes Acquisition of Warner Lewis GmbH

Colorado Springs, CO (May 1, 2012)

Velcon Filters announced that it has acquired Warner Lewis GmbH.

Headquartered in Kelsterbach, Germany with locations in Phillipsburg, Germany; Farnborough, UK; Paris, France; and Dubai, UAE; Warner Lewis offers aircraft refueling solutions to customers in Europe, the Middle East and Africa (“EMEA”). Warner Lewis has been a strategic business partner of Velcon for over 40 years distributing Velcon’s line of products, in addition to manufacturing its own standard or custom vessels, pit-boxes and ground fueling products. The acquisition of Warner Lewis represents an opportunity for Velcon to directly serve customers in Europe, the Middle East and Africa.

This is the third acquisition for Velcon Filters in the past three years. “Velcon acquired Chemflo in late 2009 to expand our product offering into the energy markets, and in 2010 acquired Twin Filter B.V. in the Netherlands to diversify and grow the business in the oil, liquid and air filtration markets,” Greg Elliott, Chairman of the Board of Velcon Filters said. “We are excited to expand in the aviation fuel market where Velcon is a market leader in filtration and Warner Lewis is a trusted provider of filtration and refueling solutions.”

WARNER LEWIS

Keith McAslan, President of Velcon said, “Since 1969, Warner Lewis has been the recognized leader for aircraft fueling components and solutions in Europe, the Middle East and Africa and has been Velcon’s exclusive distributor in that region. As Velcon looks toward its 60th anniversary next year, we are pleased to join with Warner Lewis and directly provide a broader range of products and solutions to our aviation customers in the Americas and EMEA.”

Mark Hoye, recently promoted as Velcon Filters Vice President of Global Sales and Bruno Gervasoni, who will remain with the company as Managing Director, both commented: “The entire Warner Lewis organization is excited about joining the Velcon team and believes this partnership will provide opportunities to further develop and expand the aviation product offerings whilst continuing the excellent service to which customers of both Velcon and Warner Lewis have been accustomed.”



CDF® P Series: New Video/New Decal

Velcon’s 2” CDF®-P Series Fuel Monitors Cartridges uses the latest EI 1583 6th Edition qualified media. To see the difference between the new media versus the 4th edition media we have created a short video you can view on our website at: www.velcon.com/news/news.html and click on ” Video comparison of Velcon’s 6th Edition P-media (SAF) to 4th Edition N-media (SAP)”

Velcon has a new Monitor Conversion decal for the CDF®-P Series 6th Edition Fuel Monitor Cartridges. In order to comply with EI 1583 6th Edition requirements for the 2” Fuel Monitor cartridges, please ensure that you replace the 4th edition decal with the new 6th edition decal on your vessels. Submit your request to vfsales@velcon.com. Please reference Form #2139 11-11 Monitor Conversion Decal for the 6th Edition. →

Sump Recovery System Reintroduced

At the Cygnus Aviation Expo, Velcon reintroduced its redesigned Sump Recovery System, SRS-04DFS. ATA 103 guidelines require daily filter vessel sump sampling. Velcon's Sump Recovery System allows the sumped fuel to be sampled, cleaned, and reused, thus saving you money and gallons of previously wasted fuel.

The SRS-04DFS unit is a closed circuit system – the filter vessel being tested is pressurized as the sump sample is taken and the sump is flushed. After appropriate fuel testing, the fuel is drained into the auxiliary tank, then filtered and reused at the next filter sump test. Fuel that does not meet the standard can be easily removed from the system.



SRS-04DFS

The SRS-04DFS can also be used to reclaim fuel during filter change-outs using the auxiliary tank.

Photos below show a truck mounted unit and an optional coupler mount. The optional mount will make it easier on users – they will not have to lift the hydrant coupler so high to connect to the system. (Patent Pending.) ➔



Truck mounted unit



Optional coupler mount

Hydrokit® Notice

Due to the variation in additive chemistries, Velcon's Hydrokit® fuel test kit is not recommended for use in Category M fuels or any fuel containing DiEGME. For those cases Velcon recommends using the Gammon Water Detection system, also referred to as the Aqua-Glo Meter. ➔

Holiday Shutdown

Please note that Velcon will be closed on the following dates for 2012

Independence Day –
Wednesday, July 4

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We also welcome your comments and suggestions on topics covered in *The Clarifier*.

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