

THE CLARIFIER

Volume 14 Special Edition

October, 2003



Velcon Filters at London Heathrow T5

Velcon Filters, Inc. of Colorado USA, and its European partner, Warner Lewis Jr. Industrie-Filter GmbH of Germany are pleased to have been awarded the contract for the supply of microfilter vessels and filter water separators for the new fuel storage facilities at London Heathrow Airport. The new fuel capacity will be necessary to meet the additional requirements for fuel at the new

Terminal 5. The filters to be supplied are designed and constructed to meet the stringent requirements of the aviation fuel filtration specifications API/IP 1581 5th Edition and API/IP 1590 2nd Edition. The vessels will be rated for a maximum flow rate of 2500 USGPM, the maximum that may be qualified to the API/IP specification.

Mission statement:

Velcon is committed to going above and beyond to offer customers around-the-clock service by providing support 24 hrs a day, 365 days a year.

Velcon[®]



Velcon Filters Qualifies to API/IP-1581, 5th Edition

Velcon Filters, Inc. has tested and qualified a comprehensive range of products to meet the latest API/IP-1581 5th Edition Specification. The new categories for the new specification are:

CATEGORY C

This category replaces the previous class A, B, & C of API/IP-1581 Third Edition. Velcon's new coalescer cartridges that meet Category C requirements are our I-6xxC5 Series (the xx denotes nominal cartridge length). These new cartridges have been developed to provide better water removal performance of surfactant-laden fuels, and improved filtration efficiency combined with longer life. Category 'C' cartridges can be used at any point in the fuel distribution system – from refineries to into-plane fueling. Velcon's Teflon® Separator Cartridges for Category C vertical vessels are SO-6xxV5, SO-6xxPV5, and SO-6xxVA5. For horizontal vessels our previously qualified Teflon® Separator Cartridges SO-6xxV, SO-6xxC, and SO-6xxVA would be used.

CATEGORY M

This is a brand new specification for military fuels, like JP8 (similar to Jet A but containing anti-icing and other additives).

Velcon's coalescer products for this series are our I-6xxMM cartridges.

The separators for this category are currently our SO-6xxC.

CATEGORY M100

This specification is for military fuels like JP8, but it also includes a surfactant additive called +100. The '+100' allows fuels to run at higher operating temperatures and reduces maintenance for high performance military jet engines. Velcon's coalescer cartridges for the M100 Category are our I-6xxA4 Series. The Teflon Separators for M100 are currently our SO-6xxCM and SO-6xxGS (three-stage).

New to the 5th Edition is a specification that allows operators to incorporate a third stage water absorbing cartridge with each category. Velcon has currently qualified our CDF-2xxK Series monitor cartridges for Category M100.

Also new is the description of filter/separators as "Type S" & "Type S-LD." (S= Significant levels of water & dirt, LD for low dirt.) All of Velcon's qualified products are Type S, which also qualifies them to Type S-LD, as specified in API/IP 1581 5th Edition Paragraph 2.4.2. See also Paragraphs 2.3.1 - 2.3.3.

50 Years of
Filtration Excellence.

Dependable Global Response
1-800-531-0180
24 hours every day.

50 YEARS
1953-2003
Velcon

ISO 9001 Certified
Products Qualified to:
• API/IP 1590
• API/IP 1581 3rd, 4th, & 5th Edition
• API/IP 1583 3rd Edition
Also a Wide Range of
Filter Cartridges,
Vessels, & Systems.

4525 CENTENNIAL BLVD.
COLORADO SPRINGS
COLORADO, USA 80919
(719) 531-5855
FAX (719) 531-5690
VISIT OUR WEB SITE AT
www.velcon.com

Velcon Filters, Inc. is the first filter manufacturer that has qualified products to all three categories. The testing for API/IP 1581 5th Edition will continue over the next few years. Velcon remains committed to quality, performance, and innovation.

Date	Test Vessel	Flow Rate (GPM)	Category, API/IP 1581 5 th Edition	Coalescers	Separators	3 rd Stage
Sep-03	VV4256	2500	C - New & Existing Equipment	18 x I-654C5TB	8 x SO-646V5	N/A
Jul-03	HV2856	1000	C - New & Existing Equipment	7 x I-656C5TB	2 x SO-648CM	N/A
Jun-03	HV2856M	1312	C - Existing Equipment	7 x I-656C5TB	2 x SO-648V	N/A
Jun-03	VV2752B	900	C - New & Existing Equipment	7 x I-644C5TB	3 x SO-644V5	N/A
Apr-03	AAE	2000	M - New & Existing Equipment	50 x I-620MM	20 x SO-620C	N/A
Dec. 2002	HVS2628M 3 Stage	600	M100 - New & Existing Equipment	10 x I-628A4TB	8 x SO-616GS	40 x CDF-215
Nov. 2000	HV2856	1000	M100 - New & Existing Equipment	7 X I-656A4TB	2 X SO-648CM	N/A

**API/IP-1581 5th Edition Completed Tests
Velcon Filters, Inc.**