



# API/EI 1590 Qualified Filter Cartridges

## 1 and 3 Micron Rated Cartridges for Aviation Fuels

- Primarily designed to be used as prefilter (micronic) cartridges for use in jet fuel handling systems.
- Used to extend the life of coalescer cartridges in filter/separator vessels described in API/EI 1581.

Velcon Filters, LLC has qualified cellulose and microfiberglass media filter cartridges to API/EI Specification 1590, "Specifications and Qualification Procedures for Aviation Fuel Microfilters."

- **Large Surface Area** – Allows high flow rate with low initial pressure drop and maximum contaminant holding capacity.
- **Resin Impregnated Microfiberglass/Cellulose Media** – Maintains strength, resists effects of water and heat.
- **75 psi Collapse Strength** – Heavy gauge carbon steel endcaps and center tube give safety margin against pressure surges.
- **Coated Steel Components** – Resist corrosion from most industrial fluids.
- **Corrugated Media** – Prevents pleat pinch-off, assuring all filtration media is utilized.
- **Buna-N Gaskets** – The best general gasket material available assures positive seal in most fluids.
- **Epoxy Bonding Material** – Endcaps epoxy-bonded to media to prevent internal bypassing.
- **Threaded Base also available**



FO-614A3



FOH-644A1K

### SPECIFICATIONS

75 psi Collapse strength  
1 & 3 micron efficiency  
(per API/EI 1590)

5 - 9 Operating pH range  
250°F Maximum operating temperature

### CARTRIDGE INFORMATION

VELCON MODEL NUMBER	DIMENSIONS	OUTER WRAP	API MICRON EFFICIENCY
FO-614A3(TB)	6" x 14½" x 3½" ID	NO	3
FO-629A3(TB)	6" x 29" x 3½" ID	YES	3
FO-644A3(TB)	6" x 44" x 3½" ID	YES	3
FO-656A3(TB)	6" x 56" x 3½" ID	YES	3
FOH-614A1K(TB)	6" x 14½" x 3½" ID	YES	1
FOH-629A1K(TB)	6" x 29" x 3½" ID	YES	1
FOH-644A1K(TB)	6" x 44" x 3½" ID	YES	1
FOH-656A1K(TB)	6" x 56" x 3½" ID	YES	1

Please see Data Sheet #1936 for more information about the FOH Series Cartridges.



Velcon products are sold and serviced by a world-wide representative network. To order, contact Headquarters or your **LOCAL REPRESENTATIVE**:

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