



*Velcon*®

# FUEL FILTRATION EQUIPMENT & CARTRIDGES



# INDUSTRY QUALIFIED



## **Filter/Separators**

Filter/Separators are two-stage vessels designed to remove dirt and separate water from fuel at refineries, product terminals, fuel farms, and on refueling vehicles.

They continuously coalesce and separate water, which collects in the vessel sump where it can be drained. Velcon Filter/Separators have passed numerous tests qualifying them to the latest EI 1581 edition. Construction is to ASME Code. Units qualified to military specifications are also available.

## **Equipment**

Fixed Installations

- VV Series Vertical Vessels
- HV Series Horizontal Vessels
- V Series Vertical Vessels Mobile

Mobile Fueling Equipment

- HV Series Horizontal Vessels
- HVS Series Horizontal Vessels

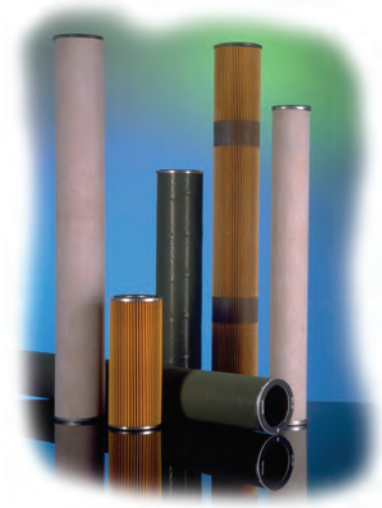


## **Coalescer Cartridges**

Used as a first-stage cartridge in Filter/Separators. Remove particulates and coalesce water into large water drops. Also available in threaded base design.

## **Separator Cartridges**

Second stage cartridges in Filter/Separators repel coalesced water drops which then collect in the sump for easy removal. Available in Teflon® Coated Screen, Synthetic Media or Pleated Paper Media.



**V**elcon Filters manufactures hundreds of different filter cartridges, with a range of filtration efficiencies in a variety of configurations, to meet specific industry standards. This includes a complete line of cartridges qualified to the latest editions of EI specifications (EI 1581, EI 1583 & EI 1590). A small sampling of Velcon's offerings is shown on these two pages.

Velcon's research, testing and product development team continues to seek solutions to many fuel quality problems and issues. Some of Velcon's innovative products include:

**FDPM® MKII** – Flow Differential Pressure Module, Mark II – provides automatic reporting of corrected differential pressure for varying flow rates.

**VCA®** – Velcon Contaminant Analyzer for real-time fuel quality analysis in the field.

**VCA-CV** – the VCA combined with a Cla-Val valve.

**Sump Recovery System** – for fuel savings and environmentally sound handling of sumped fuel.

For more information about any of Velcon's products and to discuss your specific filtration requirements and fuel handling needs please contact your local Velcon Representative.

FDPM® & VCA® are registered trademarks of Velcon Filters, LLC.

# & TESTED . . . VELCON FILTERS

## **Water Protection Filters**

Velcon's Water Protection Filters are single-stage filter vessel systems which remove water and dirt from Avgas and Jet Fuel and provide protection from water at the point of final fuel filtration. When a monitor system's water holding capacity is reached, the flow of fuel is restricted. Units meet all EI Specifications. Construction is to ASME Code Section VIII.

## **Equipment**

Fixed or Mobile Units

- AHM or HM Series Horizontal Monitor Vessels
- AVM or VM Series Vertical Monitor Vessels

High Capacity **Aquacon®** Units

- HA Series Horizontal Vessels
- VA Series Vertical Vessels

## **Micronic and Clay Vessels**

Micronic and Clay Vessels remove dirt and surfactants. Micronic vessels offer economical particulate prefiltration upstream of clay units or Filter/Separators. Clay elements remove surfactants. Construction is to ASME Code Section VIII.

## **Equipment**

Fixed Installations

- VF, VFA Series Vertical Filter Vessels
- HF Series Horizontal Filter Vessels
- VC Series Clay Element Vessels

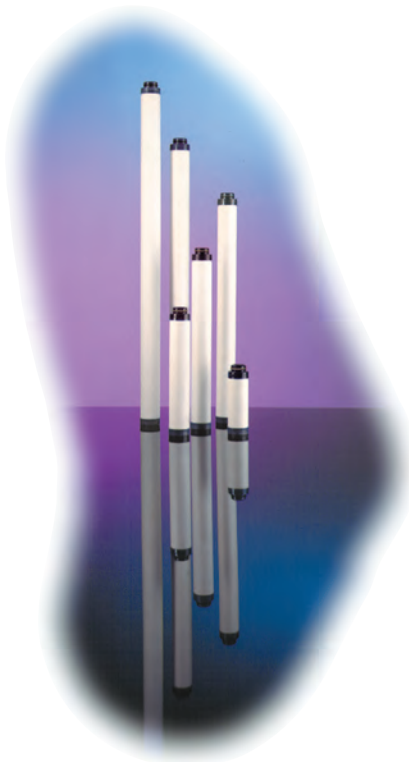
## **Pleated Paper Cartridges**

Corrugated pleated media with large surface area for filtration of granular contaminants. Also available in threaded base design.



## **CDF® Cartridges**

Absorb water and filter solids from Avgas and Jet Fuel. Provide protection against water slug transmission.



## **Aquacon® Cartridges**

Filter particulate matter and absorb water with great efficiency. Water capacity is approximately 40 times greater than 2" diameter monitor cartridges. Also provide protection against water slugs.



## **Fiberglass Filter Cartridges**

Progressively finer layers of fiberglass filter colloidal or slimy contaminants.

## **Clay Canister Cartridges**

Attapulugus clay canisters for removal of surfactants from jet fuel and other petroleum products.

## **Commissioning Cartridges**

Commissioning Cartridges (our FI-xxx series) are now available. They can be used in place of coalescers to remove heavy solid contaminants during start up. Our FO-754PL05 and other shorter length filter elements can be used in place of clay canisters for initial system flush.

# Velcon Filters, LLC Markets

## Commercial Aviation

Products for the commercial aviation market provide filtration and fueling solutions for jet fuel and avgas.



## Military Aviation

Products for the military aviation market provide filtration and fueling solutions for military jet fuels.



## Utilities

Products for the electrical utility market provide filtration solutions for oil in transformers, circuit breakers and load tap changers.



## Industrial Diesel

Products for the industrial diesel market provide filtration and fueling solutions for diesel and biodiesel fuel.



# Office Locations



### Velcon Headquarters

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

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### MANUFACTURING PLANTS LOCATED AT:

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Sylacauga, Alabama  
Henryetta, Oklahoma

### OFFICES AND AFFILIATES IN:

Canada, Germany, Singapore, & Spain



**Liquid Filtration  
and Separation  
Specialists**