# Dual Media Cartridges

## Two-Layer Filtration Through a Single Filter Cartridge

***Bulk fuel suppliers are increasingly being called upon to supply cleaner fuels to accommodate new engine technology, more stringent emissions standards, and ever-increasing environmental concerns. Velcon's Dual Media Cartridges provide a cost effective solution to meet these needs.***

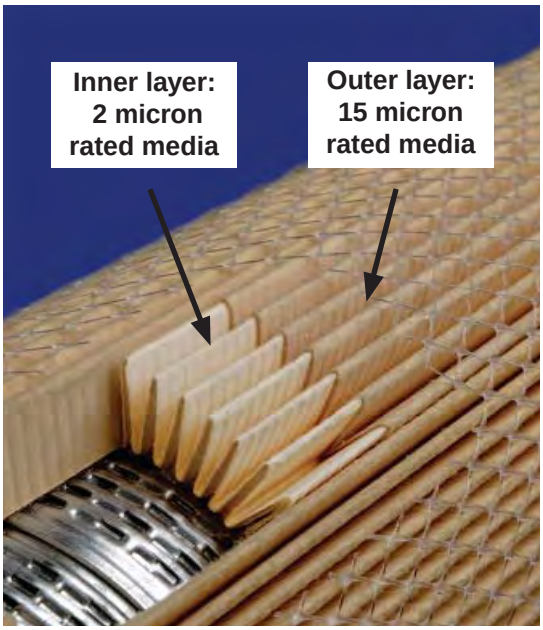


### DESCRIPTION

Velcon Dual Media Cartridges are designed for bulk fuel filtration applications that would benefit from two layers of filter media in a single filter cartridge. These cartridges are desirable in applications where a large variance of contaminant particle size occurs such as at terminals, refineries and pipelines.

### APPLICATIONS

- Diesel fuel
- Gasoline
- Naphtha
- Biodiesel fuel
- Kerosene
- Jet fuel
- All hydrocarbon fuels




### BENEFITS

- Coarse and fine contaminants are cleaned in a single pass
  - Larger particles captured in first layer
  - Second layer acts as a polishing filter for finer particles
- Money saving alternative to several different filter vessels to handle different sized particles
- Users of dual layer filtration have experienced fewer mechanical equipment problems at the load rack downstream of filtration
- New and innovative way to meet previously unattainable fuel cleanliness levels as tested per ISO 11171.

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## CARTRIDGE INFORMATION

| MODEL NUMBER | DIMENSIONS | NOMINAL MICRON EFFICIENCY | |
|---|---|---|---|
| | | UPSTREAM | DOWNSTREAM |
| FO-629PLF5/1M | 6” OD x 29” OAL x 3-1/2” ID | 5 | 1 |
| FO-629PLF15/2M | | 15 | 2 |
| FO-629PLF25/5M | | 25 | 5 |
| FO-644PLF5/1M | 6” OD x 44” OAL x 3-1/2” ID | 5 | 1 |
| FO-644PLF15/2M | | 15 | 2 |
| FO-644PLF25/5M | | 25 | 5 |
| FO-656PLF5/1M | 6” OD x 56” OAL x 3-1/2” ID | 5 | 1 |
| FO-656PLF15/2M | | 15 | 2 |
| FO-656PLF25/5M | | 25 | 5 |

NOTE:
1. All cartridges have nylon mesh protective outer jacket.
2. For Centertubeless configuration, substitute “DC” for “FO” in model number (Example: DC-629PLF15/2M).
3. For Threaded Base configuration, add “TB” suffix to model number (Example: FO-644PLF5/1MTB).
4. Centertubeless & Threaded Base configurations subject to minimum order requirements.

## SPECIFICATIONS

- 75 psi Collapse strength
- 5 - 9 Operating pH range
- 98%+ Nominal filtration efficiency
- 250°F Maximum operating temperature
- Recommended changeout differential pressure - 25 psid

The photos below show contaminant that was removed from a two-inch square block of filter media on a cartridge that had been filtering diesel fuel. The photo on the left shows the coarse contaminant that was removed by the fifteen micron layer of filter media. The photo on the right shows the finer particles that were removed by the two micron filter layer. This filter cartridge (FO-644PLF15/2M) held over ten pounds of contamination before it was changed out!





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


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Due to Velcon Filters’ continuing product improvement, drawings, specifications and pictures are subject to change without notice.