

Dual Media Microfilter Cartridges

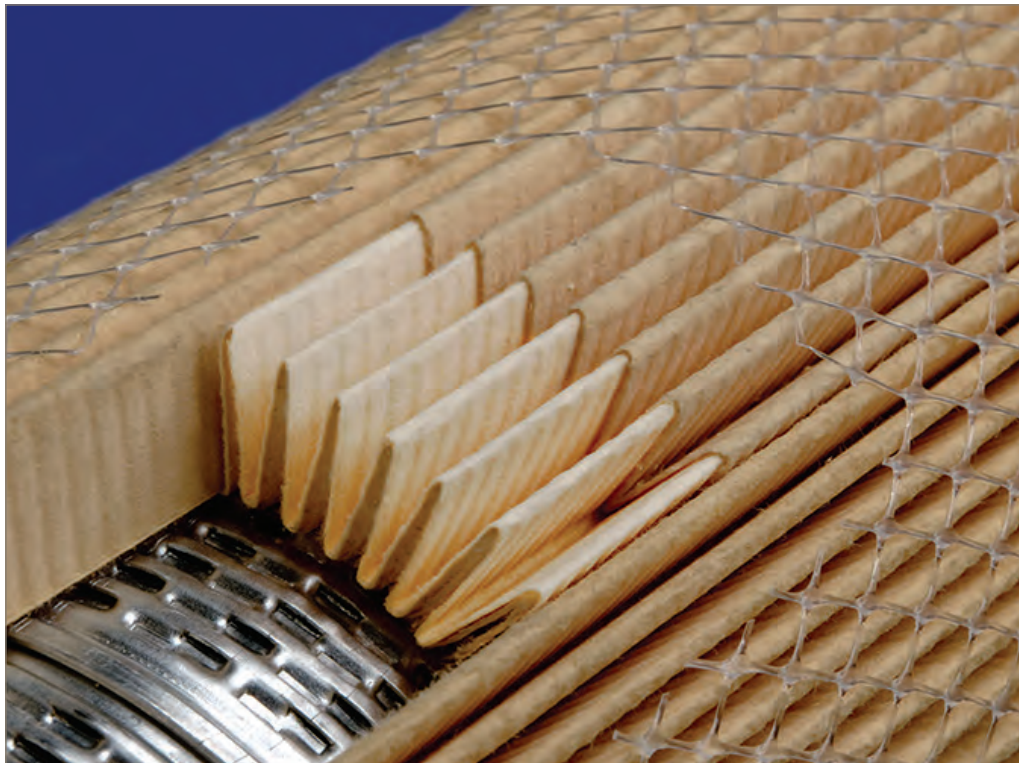
Two-Layer Filtration Through a Single Filter Cartridge



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

Parker 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.



CONTACT INFORMATION:

Parker Hannifin Corporation
Aerospace Filtration Division
1210 Garden of the Gods Road
Colorado Springs, CO 80907

phone 719 531 5855
fax 719 531 5690
vfsales@parker.com

velcon.com | parker.com

BENEFITS

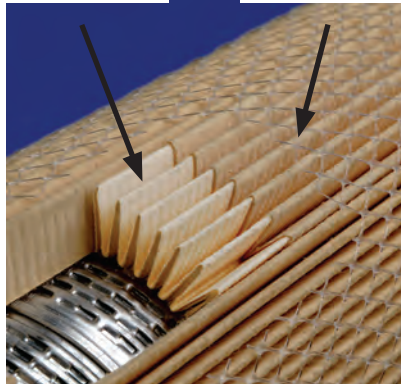
- Coarse and fine contaminants are cleaned in a single pass
- Larger particles captured in first layer
- Second layer acts as a polishing filter for finer particles
- Money saving alternative to several different filter vessels to handle different sized particles
- Users of dual layer filtration have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

APPLICATIONS:

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

Inner layer:
2 micron
rated media

Outer layer:
15 micron
rated media



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 (121.1°C) 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!

