



[Home](#)

[Products](#)

[Support](#)

[Industries](#)

[Services](#)

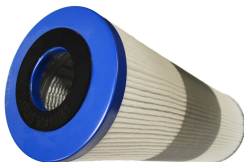
[Solutions](#)

[Where to Buy](#)

[Home](#) / [Products](#) / [Filters, Collectors](#) / [Replacement Engines](#) / [Fuel Filter Elements](#) / [DFO Filter Cartridges](#) / [DFO-614PLF2](#)

DFO Filter Cartridges for Particulate Removal in Diesel Fuel.

Part #: DFO-614PLF2



Parker Velcon DFO Series are designed for removal of granular contaminants from fuel and oils.

[View Series Page](#)

[View Catalog\(s\)](#)

[Share / Email](#)

[Print](#)

Technical Specifications

Length (inch):	14	Brand:	Velcon
Filter Type:	Particulate	Flow Rate:	Depends on fluid viscosity and application. See brochure for more information.
Seal Material:	Buna-N	Application:	Diesel
Maximum Operating Temperature:	107 °C, 225 °F	Filter Construction:	Pleated
Collapse Pressure:	75 psi	Micron Rating (µm):	2
Changeout Pressure Differential:	25 psi, 1.7 bar	Application:	Diesel
pH Range:	Continuous Operation: 5 - 9	End Cap Configuration:	Double Open End
		Inside Diameter (inch):	3.5
		Outside Diameter (inch):	6

[Safety Warning](#)

Item Information

Diesel fuel is stored and transferred multiple times from refining to dispensing. Preventative action does not always eliminate contamination. Common contaminants introduced during transportation include both extremely fine and abrasive silica as well as pipe scale. These contaminants can quickly deteriorate fuel quality below engine manufacturer standards, reducing the durability and performance of the engine.

Velcon's DFO filters transform contaminated fuels to meet stringent downstream ISO 4406 cleanliness standards for the demanding d on diesel and biodiesel fuels. The DFO design balances high surface area and depth filtration to maximize filter life which reduces filtrat. .s.

Tiered Ratings

To meet industry fuel quality standards, Velcon developed pleated media filters for diesel and biodiesel fuels. In accordance with ISO standards, the DFO filters were designed with tiered media classification using absolute rated media. Each media tier provides a unique solution from managing fuel contamination to final fuel conditioning.

- DFO filters with ratings of 2 and 4 micron are the ultimate solution to condition fuel for dispensing while assuring ISO 4406 Cleanliness Standards are consistently met. Each progressively tighter DFO filter rating delivers additional particle removal and fuel cleanliness; therefore progressively lower ISO 4406 particle counts.
- The mid-range DFO filters of 6 and 10 micron extend filter life following secondary conditioning by removing particulate contaminants and allowing Velcon's downstream coalescing products to focus on water removal rather than particle removal.
- The DFO filters rated at 25 and 40 micron are the ideal solution to manage contaminated fuel entering and leaving terminal storage tanks throughout the fuel transferring process.

Benefits

- Reduced operating costs by removing particulates that can cause engine damage
- Reliable fuel injector performance when particulate contaminants are removed to meet ISO 4406 Cleanliness Standards
- Improved equipment uptime, reduces equipment failures, repairs, and/or replacements

Velcon DFO Series features high efficiency particulate media and a long service life. DFO Series cartridges extend coalescer life and protect critical equipment downstream.

Features Include:

- Large Surface Area – Allows high flow rate with low initial pressure drop and maximum contaminant holding capacity.
- Resinated Media – Maintains strength resists effects of water and heat.
- 75 PSI Collapse Strength – Heavy gauge carbon steel center tubes give safety margin against pressure surges.
- Coated Steel Components – Resist corrosion from most industrial fluids.
- Corrugated Media – More surface area ensures longer service life.
- Buna-N Gaskets – The best general gasket material available assures positive seal in most fluids.
- Thermoset Bonding Material – Durable endcap-to-media bond prevents internal bypassing
- Threaded base filter cartridges – Available for easier installation.
- These are also available in screw-base design

Application:

Velcon DFO Series are designed for particulate removal from bulk diesel fuel at high flow rates. Typical applications include:

- Fuel Reception
- Bulk Fuel Storage
- Fuel Dispensing

Specifications:

- Recommended changeout differential pressure - 25 psid
- 75 psi Collapse strength
- Micron ratings from 2 to 40
- 98%+ Nominal filtration efficiency
- 5 - 9 Operating pH range
- 225°F Maximum operating temperature
- Flow rate depends on the fluid

CAD Drawings + Files



Related Documents



Parker Sales Company UK

psc.uk.webform@support.parker.com
[+44 \(0\)1926 317878](tel:+44201926317878)

+ Company Information

+ Global Operations

+ Help & Support



+ Follow Us :

© PARKER HANNIFIN CORP 2023

ENGINEERING YOUR SUCCESS.

[SITE MAP](#) [SAFETY](#) [PRIVACY POLICIES](#) [TERMS AND CONDITIONS](#)

