

CDF® Fuel Monitor Cartridges

EI 1583 6th Edition P Series
Field Proven: CDF® Replacement
Cartridges Assure Clean Dry Fuel Delivery



Description

The Velcon CDF® P Series cartridges are designed to provide superior performance and reliability in standard fuel monitor housings through a unique, patented combination of media that absorbs water, filters solids that may be present in the fuel and provides for reduced static charge.

The cartridge has injection molded endcaps that are bonded to the media and an O-ring seal on the outlet end. This minimizes the possibility of bypassing contaminated fuel or transmission of water downstream at low flow rates.

As the cartridge removes water and/or dirt from the influent fuel there will be an increase in the pressure differential along with a decrease in flow rate. These changes are the result of flow restriction caused by dirt retention or water absorption in the media. The rate of these changes depends on the quantity of water or dirt contamination in the fuel.



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- CDF® P SERIES are qualified to EI 1583 Sixth Edition specification for Aviation Fuel Filter Monitors.
- IMPROVED SALT WATER PERFORMANCE
- CONDUCTIVE END CAPS and adhesive to reduce static charge within the vessel.
- O-RING SEAL minimizes the possibility of bypassing contaminated fuel at differential pressures up to 175 psi.
- RUGGED CONSTRUCTION collapse strength exceeds 175 psi differential pressure.



ENGINEERING YOUR SUCCESS.

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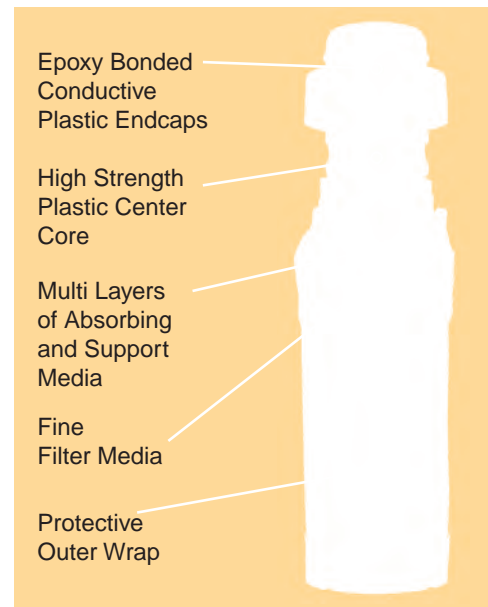
EI SPECIFICATION 1583 6TH EDITION INFORMATION

Velcon's new CDF®-P Series Cartridges incorporate several structural features due to requirements of the Sixth Edition of EI 1583. Some of these include:

- Increased product conductivity to decrease the risk of electrostatic discharges
- Improved media structure to lower the risk of media migration
- Lower initial DP - a major factor for installations that require changing cartridges at 15 PSID.
- New structure that provides longer cartridge life in the presence of small amounts of water

Some of the new requirements of the sixth edition of EI 1583 are:

- 18 lab qualification tests vs. 14 for the 4th edition
- Testing salt resistance
- Testing for cartridge conductivity
- Testing for structural integrity
- Testing for any trace SAP migration
- Water slug test at low flow (10% of rated flow)
- Low water (50 ppmv) at low flow (10% of rated flow)



CARTRIDGE SELECTION TABLE

Cartridge Flow Rate USGPM	Velcon Model Number	Overall Length	Replacements for:		
			Facet Model Number	Racor Model Number	Faudi Model Number
5	CDF-205P	5 13/16"	FG-205 (-3 or -4) GNG-205	RMO-205-4-E —	M.2-134 (/4 or /E)
10	CDF-210P	10 13/16"	FG-210 (-3 or -4) GNG-210	FMI-10203 FM-10202 RMO-210-4-E	M.2-261 (/4 or /E)
15	CDF-215P	15 13/16"	FG-215 (-3 or -4) GNG-215	FMI-15203 FM-15202 RMO-215-4-E	M.2-387 (/4 or /E)
20	CDF-220P	20 13/16"	FG-220 (-3 or -4) GNG-220	FMI-20203 FM-20202 RMO-220-4-E	M.2-515 (/4 or /E)
25	CDF-225P	25 13/16"	FG-225 (-3 or -4) GNG-225	FMI-25203 FM-25202 RMO-225-4-E	M.2-642 (/4 or /E)
30	CDF-230P	30 13/16"	FG-230 (-3 or -4) GNG-230	FMI-30203 FM-30202 RMO-230-4-E	M.2-770 (/4 or /E)

SPECIFICATIONS AND TECHNICAL INFORMATION CDF® P SERIES

- 175 psid (12 bar) collapse strength
- 0.5 micron rating
- 160°F maximum operating temp.
- Recommended changeout differential pressure = 25 psid
- Typical water holding capacity for CDF-230P is 120 ml.
- For service life information, please refer to Operating Procedures # 1839 or consult your company fuel handling procedures.

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VEL1962R4 0414



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