



CDF[®] Fuel Monitor Cartridges EI 1583 6th Edition P Series

Field Proven: CDF[®] Replacement Cartridges Assure Clean Dry Fuel Delivery

BENEFITS

CDF[®] P SERIES are qualified to EI 1583 Sixth Edition specification for Aviation Fuel Filter Monitors.

IMPROVED SALT WATER PERFORMANCE

IMPROVED WATER CAPACITY

IMPROVED WATER REMOVAL EFFICIENCY

CONDUCTIVE END CAPS and adhesive 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.

DESCRIPTION

The Velcon CDF[®] P Series cartridges are designed to provide superior performance and reliability in standard fuel monitor housings through a unique, proprietary combination of media that absorbs water, filters solids that may be present in the fuel and reduces 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, differential pressure will increase and the flow rate will decrease. 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.



*****CAUTION*****

**DO NOT USE WITH PRE-MIXED FUEL
CONTAINING ANTI-ICING ADDITIVES.**

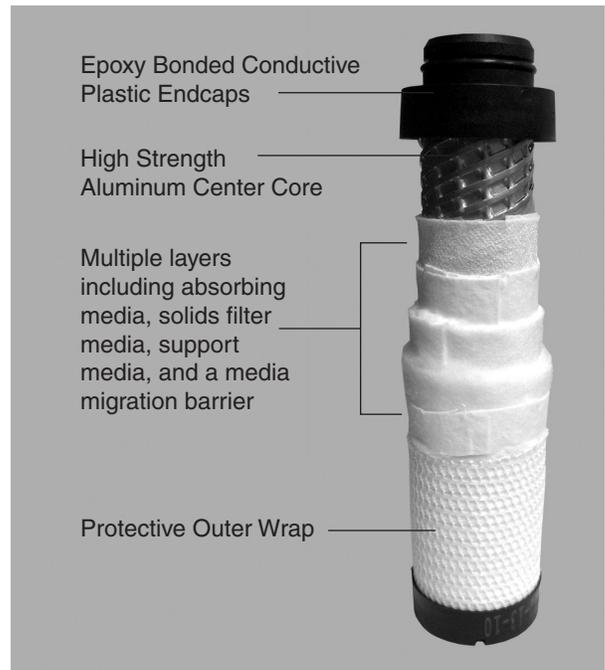
EI Specification 1583 Sixth Edition Information

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

- Increased product conductivity decreases the risk of electrostatic discharges
- Improved media structure lowers 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 cartridge conductivity
- Testing 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, -4, or -6) GNG-205	RMO-205-4-E —	M.2-134 (/4 or /E)
10	CDF-210P	10 ¹³ / ₁₆ "	FG-210 (-3, -4, or -6) 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, -4, or -6) 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, -4, or -6) 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, -4, or -6) 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, -4, or -6) GNG-230	FMI-30203 FM-30202 RMO-230-4-E	M.2-770 (/4 or /E)

All cartridges are packaged 20 per carton

SPECIFICATIONS AND TECHNICAL INFORMATION CDF® P SERIES

- 175 psid (12 bar) collapse strength
- 0.5 micron rating
- 160°F maximum operating temperature
- Recommended changeout differential pressure = 25 psid
- Typical water holding capacity for CDF-230P is 200 ml.
- For service life information, please refer to Operating Procedures # 1839 or consult your company fuel handling procedures.



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

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