

# CDF<sup>®</sup> Fuel Monitor Cartridges

EI 1583 6th Edition P Series

Field Proven: CDF<sup>®</sup> Replacement Cartridges Assure Clean Dry Fuel Delivery

## FEATURES

- CDF<sup>®</sup> 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.

## DESCRIPTION

The Parker Velcon CDF<sup>®</sup> P Series cartridges provide superior performance and reliability in standard fuel monitor housings through a unique combination of media that absorbs water and filters solids that might be present in the fuel while helping reduce static charge build-up inside the vessel.

The injection molded endcaps bond with the media and with the 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 contaminant from the influent fuel the pressure differential will increase 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 contamination in the fuel.

## ORDERING INFORMATION

Specify Parker Velcon model number from table on page 5. CDF<sup>®</sup> Cartridges are packaged 20 per carton.

**\*\*\*CAUTION\*\*\***

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

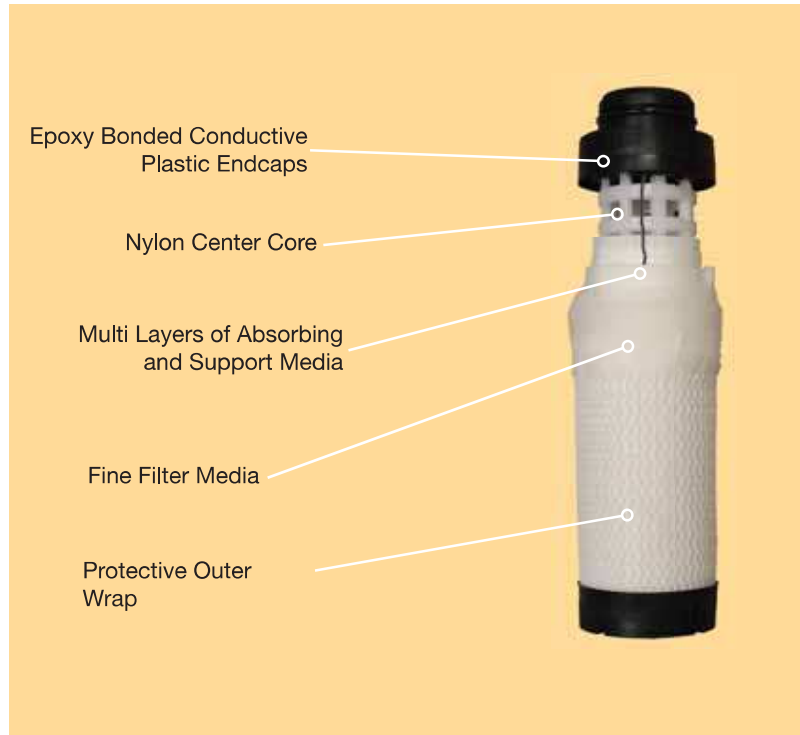
**EI SPECIFICATION 1583 6TH EDITION INFORMATION**

Parker Velcon's 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 requirements of the sixth edition of EI 1583 are:

- Salt resistance tests
- Water slug test at low flow (10% of rated flow)
- Tests for trace SAP migration
- Structural integrity test
- Low water (50 ppmv) at low flow (10% of rated flow)
- Testing for cartridge conductivity



**SPECIFICATIONS AND TECHNICAL INFORMATION**

- 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 120 ml.
- For service life information, please refer to Operating Procedures #1839 or consult your company fuel handling procedures.

**CARTRIDGE SELECTION TABLE**

Cartridge Flow Rate USGPM	Parker Velcon Model Number	Overall Length	Replacements for:	
			Facet Model Number	Faudi Model Number
5	CDF-205P	5 13/16"	FG-205 (-3 or -4) GNG-205	M.2-134 (/4 or /E)
10	CDF-210P	10 13/16"	FG-210 (-3 or -4) GNG-210	M.2-261 (/4 or /E)
15	CDF-215P	15 13/16"	FG-215 (-3 or -4) GNG-215	M.2-387 (/4 or /E)
20	CDF-220P	20 13/16"	FG-220 (-3 or -4) GNG-220	M.2-515 (/4 or /E)
25	CDF-225P	25 13/16"	FG-225 (-3 or -4) GNG-225	M.2-642 (/4 or /E)
30	CDF-230P	30 13/16"	FG-230 (-3 or -4) GNG-230	M.2-770 (/4 or /E)