

FG Series Fuel-Gard® Monitor Cartridges **2" O.D. - Outside/Inside Flow**



MAXIMUM WATER REMOVAL, SOLIDS HOLDING CAPACITY AND SHUTDOWN PROTECTION ASSURES CLEAN, DRY FUEL

The Facet 2" (51 mm.) nominal outside diameter FG Series Fuel-Gard monitor cartridges perform three jobs—they absorb free and emulsified water to less than 5 ppm; remove ultra-fine solids; and shut down system flow when hit with a localized slug of water, giving you clean, dry fuel. The FG Series Fuel-Gard monitor cartridges are designed to flow from the outside to inside at a rate of 1 gallon (3.79 liters) per inch of length.

Fuel-Gard monitor cartridges meet the 4th edition of IP 1583 Specifications and Qualification Procedures—Aviation Fuel Filter Monitors With Absorbent Type Elements including the following optional tests:

- 50 PPMV Water Test Short Element
- 50 PPMV Sea Water Test
- Tested using JP-8 Jet Fuel (Military) Static Dissipator, Corrosion Inhibitor, Petronate L and FSII Anti-icing Agent Diegme, MIL-PRF-81380D Dated 11 December 2001.

The presence of water or solids in the incoming fuel will be indicated by an increase in the pressure differential or a decrease in the flow rate as the cartridges reach their maximum capacity for solids, water or a combination of both. When either happens, the cartridges should be replaced.

Each FG Series Fuel-Gard monitor cartridge is constructed of various water absorbent media, plus fine filtration layers wrapped around a molded center tube for balanced flow and structural strength—all encased in a protective outer sock material. The end cap material is of injection molded, glass-filled nylon which provides superior strength and ease of maintenance. This material gives excellent support for the o-ring on the mounting/adaptor end.

STANDARD DESIGN FEATURES

- Tested and qualified to meet the 4th Edition of IP 1583 Specifications and Qualification Procedures—Aviation Fuel Filter Monitors With Absorbent Type Elements
- Multi-layered media for increased solids holding, water removal and shutdown protection
- New conductive end caps with anti-static properties which greatly reduce the possibility of static discharge during the fueling process
- Structurally withstands a minimum of 180 psid
- Less than 0.3 mg/liter of solids in effluent
- Less than 5 ppm of water in effluent
- Buna-N gaskets—Viton available on request
- Not adversely affected by exposure to temperatures varying from -65°F to 160°F

Due to our continuing program of improvement, specifications are subject to change without notice.

FG Series Fuel-Gard® Monitor Cartridges

2" O.D. - Outside/Inside Flow

DATA

MODEL NUMBER	NOMINAL LENGTH		OUTSIDE DIAMETER		INSIDE DIAMETER	
	in.	mm.	in.	mm.	in.	mm.
FG-205-4	5 ⁷ / ₈	150	1 ³ / ₄	45	7 ⁷ / ₈	23
FG-207-4	7 ¹¹ / ₁₆	195	1 ³ / ₄	45	7 ⁷ / ₈	23
FG-210-4	10 ⁷ / ₈	227	1 ³ / ₄	45	7 ⁷ / ₈	23
FG-215-4	15 ⁷ / ₈	404	1 ³ / ₄	45	7 ⁷ / ₈	23
FG-217-4	17 ⁷ / ₈	454	1 ³ / ₄	45	7 ⁷ / ₈	23
FG-220-4	20 ⁷ / ₈	531	1 ³ / ₄	45	7 ⁷ / ₈	23
FG-225-4	25 ⁷ / ₈	658	1 ³ / ₄	45	7 ⁷ / ₈	23
FG-230-4	30 ⁷ / ₈	785	1 ³ / ₄	45	7 ⁷ / ₈	23

Due to our continuing program of improvement, specifications are subject to change without notice.