

AXI FPS MX-F

INTERNATIONAL Compact Fuel Polishing Systems

The FPS MX-F is a programmable, fully automated, fuel maintenance system that removes water, sludge, and other contaminants from fuel storage tanks. Once installed, the FPS MX-F system operates independently to ensure fuel reliability through routine fuel filtration. The system's fuel polishing process stabilizes diesel and bio-fuels, eliminates microbial contamination, and ensures fuel remains clean. These compact fuel maintenance systems are specifically designed for permanent installations indoors, as well as confined spaces, such as inside gen-set enclosures or engine rooms.



◆ FPS MX-F SPECIFICATIONS:

Nominal Flow Rate	4 GPM/240 GPH (15 LPM/984.2 LPH)
Primary Filter	10 or 30μ Particulate or 60μ Stainless Steel Screen with Centrifugal Water Separator
Secondary Filter	1, 3, 10 or 25μ Fine Filter or 3, 10μ Water Block
Fuel Conditioner	LG-X 1500 Inline Conditioner
Pump	1/3 HP Gear Pump
System Controller	SFC-50 Smart Filtration Controller with Safety and Alarm Features
Power	120V/60Hz/15A or 230V/50Hz/15A
Plumbing	Black Iron
Ports	3/4" Equivalent JIC 37° Flare In 3/4" Equivalent JIC 37° Flare Out
Construction	Powder Coated Aluminum Back Plate
Dimensions	≈ 23" x 26" x 9" (H x W x D) (58 x 69 x 23 cm)
Weight	≈ 70 lbs (31.8 kg)
Not for use with fluids that have a flash point below 100°F (37.8°C).	

*At 50 Hz, nominal flow rate decreases from 4 GPM to 3.2 GPM

Fuel has a limited shelf-life and even newly delivered fuel can contain water, sediment and microbial contaminants. Fuel filters should last thousands of hours. However, frequent filter changes, tank cleaning, and fuel replacement have become common maintenance practices that only address the symptoms of poor fuel quality.

The FPS fuel maintenance systems are designed to prevent fuel deterioration through routine filtration in order to consistently provide a reliable supply of fuel.

◆ FPS MX-F SYSTEM FEATURES:

- Smart Filtration Controllers (SFC-50)
- Fully Automated and Programmable Operation
- Integration with Vessel Monitoring Systems
- Modular "Plug & Play" Flexibility
- Unique Safety & Alarm Features
- Continuous-Duty Pumps, Viton Seals

For safe operation, the FPS MX-F is equipped with an automatic pump shut-down and indicators when filter elements require servicing.



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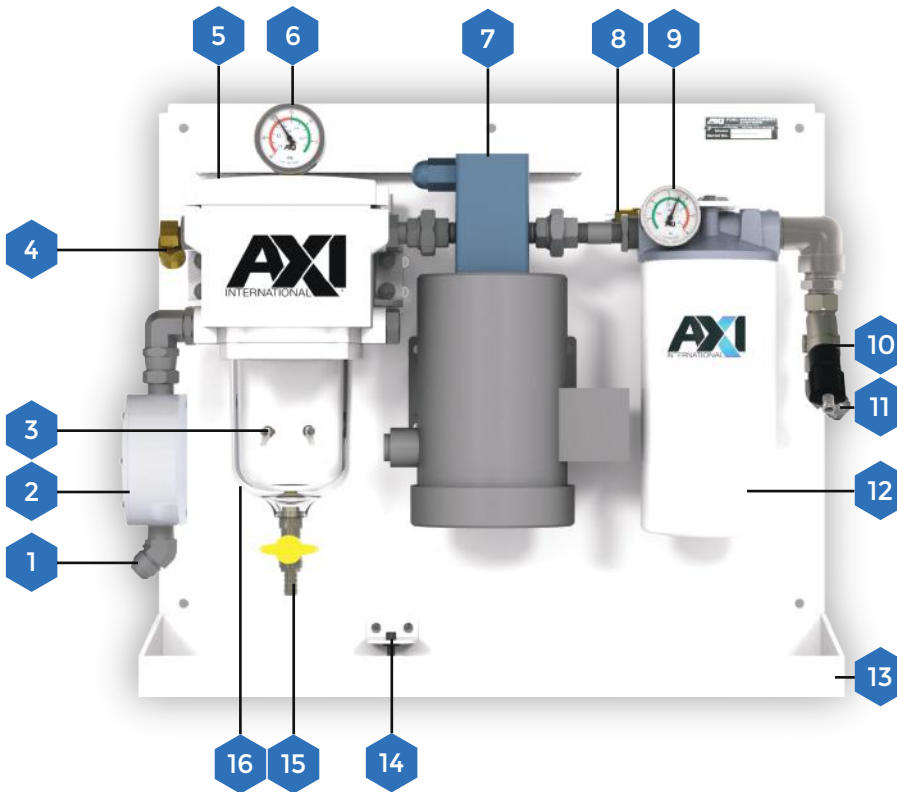
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1. Fuel Inlet (From Tank)
2. LG-X Inline Fuel Conditioner
3. Water Level Sensors
4. Vacuum Switch
5. Primary Filter/Water Separator
6. Vacuum Gauge
7. Motor with Coupled Gear Pump
8. Pressure Switch
9. Pressure Gauge
10. Flow Switch
11. Fuel Outlet (To Tank)
12. Fine Filter
13. Drip Tray
14. Leak Detector
15. Drain Valve
16. Water Collection Sump

FPS MX-F SYSTEM OPTIONS:

- TSC-7000 Controller
- Additive Injection
- Auto Water Drain
- Auto Filter Drain
- Multi-Point Flow Path

REPLACEMENT FILTER OPTIONS:

Cartridge Filter	Part No.	Spin-On Filter	Part No.
10 μ Filter Element	01810	3 μ Water Block Filter	WB-3
30 μ Filter Element	01830	10 μ Water Block Filter	WB-10
60 μ Filter Element	01860S	3 μ Fine Filter	FF-3
		10 μ Fine Filter	FF-10
		25 μ Fine Filter	FF-25
		3 μ X-Glass Media Fine Filter	FFZ-3

FPS SYSTEM INTEGRATION:

