

# AXI FPS LX-F

INTERNATIONAL Compact Fuel Maintenance System

The FPS LX-F is a programmable, fully automated, fuel maintenance system that removes water, sludge, and other contaminants from fuel storage tanks. Once installed, the FPS LX-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 LX-F SPECIFICATIONS:

Nominal Flow Rate	10 GPM/600 GPH (38 LPM/2271.3 LPH) 4,800 gallons (18,168 liters) per 8-hour shift 14,400 gallons (54,504 liters) per 24-hour shift
Primary Filter	10 or 30 $\mu$ Particulate or 60 $\mu$ Stainless Steel Screen with Centrifugal Water Separator
Secondary Filter	1, 3, 10 or 25 $\mu$ Fine Filter or 3, 10 $\mu$ Water Block
Fuel Conditioner	LG-X 3000 Inline Magnetic Conditioner
Pump	3/4HP Spur Gear Pump
System Controller	SFC-55 Smart Filtration Controller with Safety and Alarm Features
Power	120V/60Hz/15A/1Ph or 230V/50Hz/15A/1Ph*
Plumbing	Black Iron
Ports	1" Equivalent JIC 37° Flare In 1" Equivalent JIC 37° Flare Out
Construction	Powder Coated Aluminum Back Plate
Dimensions	$\approx$ 26" x 34" x 12" (H x W x D) (66 x 86 x 31 cm)
Weight	$\approx$ 125 lbs (57 kg)
<b>Not for use with fluids that have a flash point below 100°F (37.8°C).</b>	

\*At 50 Hz, nominal flow rate decreases from 10 GPM to 8 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 LX-F SYSTEM FEATURES:

- Smart Filtration Controllers (SFC-55)
- 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 LX-F is equipped with an automatic pump shut-down and indicators when filter elements require servicing.



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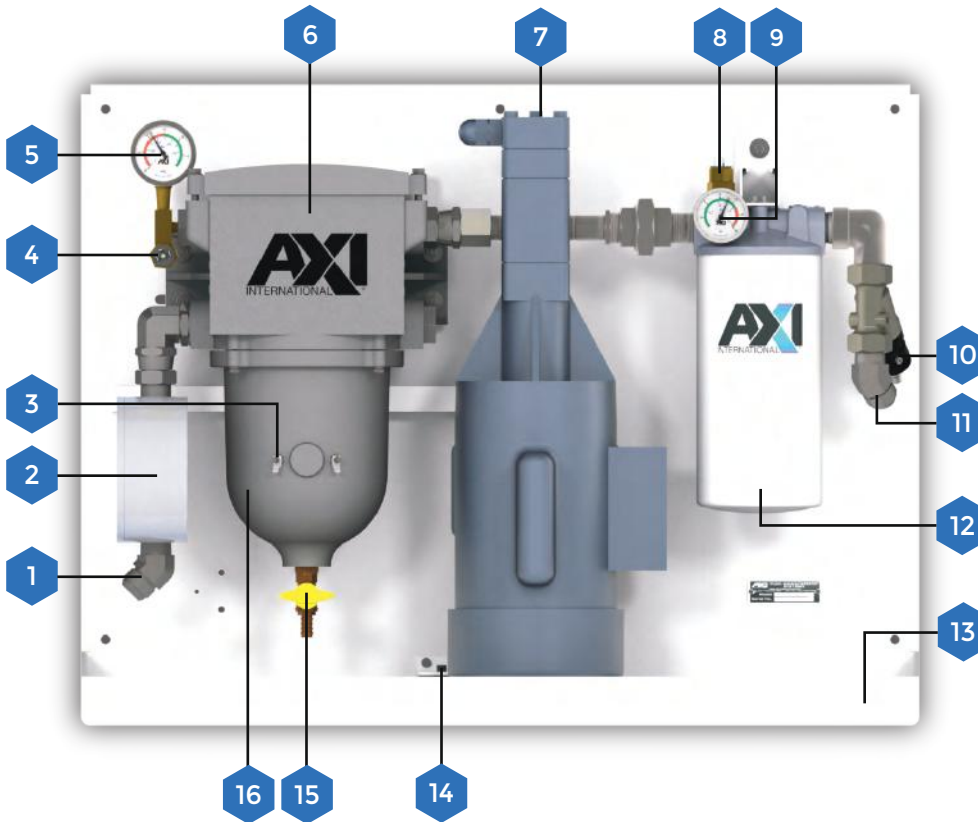
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1. Fuel Inlet (From Tank)
2. LG-X Inline Fuel Conditioner
3. Water Level Sensors
4. Vacuum Switch
5. Vacuum Gauge
6. Primary Filter/Water Separator
7. Motor with Coupled Gear Pump
8. Pressure Switch (Rear Port)
9. Pressure Gauge
10. Flow Switch
11.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

### ◆ FPS LX-F SYSTEM OPTIONS:

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

### ◆ REPLACEMENT FILTER OPTIONS:

Cartridge Filter	Part No.	Spin-On Filter	Part No.
10 $\mu$ Filter Element	04010	3 $\mu$ Water Block Filter	WB-3
30 $\mu$ Filter Element	04030	10 $\mu$ Water Block Filter	WB-10
60 $\mu$ Filter Element	04060S	3 $\mu$ Fine Filter	FF-3
		10 $\mu$ Fine Filter	FF-10
		25 $\mu$ Fine Filter	FF-25
		3 $\mu$ X-Glass Media Fine Filter	FFZ-3

### ◆ FPS SYSTEM INTEGRATION:

