



SMART FPS LX-FB

Compact Fuel Polishing Systems

The SMART FPS LX-FB system is a programmable, fully automated, fuel maintenance system that removes water, sludge, and contaminants wherever fuel is stored or used. Adding a SMART FPS LX-FB system will remove particulate, separate water, and condition fuel. This fuel polishing process stabilizes diesel and bio-fuels, eliminates microbial contamination, and ensures fuel remains clean and dry. 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.



SMART FPS LX-FB SPECIFICATIONS

Flow Rate	10 GPM/600 GPH (38 LPM/2271.3 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 3000 Inline Conditioner
Pump	1HP Spur Gear Pump
System Controller	Smart Filtration Controller
Power	110V 60Hz 15A or 230V 50Hz 15A
Plumbing	Stainless Steel
Ports	1" NPT In 1" NPT Out
Enclosure Cabinet	NEMA 12 (IP55), 13 (IP65), 4 (IP66), and 4X (IP66) Powder Coat or Stainless Steel
Dimensions	36" x 36" x 12" (H x W x D) (91 x 91 x 30 cm)
Weight	≈ 305 lbs (138.3 kg)
Not for use with fluids that have a flash point below 100°F (37.8°C).	

Fuel has a limited shelf-life and even “fresh fuel” could contain water, sediment and microbes upon delivery. Fuel filters should last thousands of hours. However, frequent filter changes, tank cleaning and replacing fuel have become common maintenance practices that address the symptoms of poor fuel quality, not the problem itself.

SMART FPS Systems reverse fuel deterioration while decontaminating, cleaning and optimizing the fuel for reliable, continuous, uninterrupted service.

SMART FPS LX-FB SERIES FEATURE:

- SMART Filtration Controllers
- Fully Automated and Programmable Operation
- Integration with Vessel Monitoring Systems
- Modular “Plug & Play” Flexibility
- Unique Safety & Alarm Features
- Continuous-Duty Pumps, Viton Seals

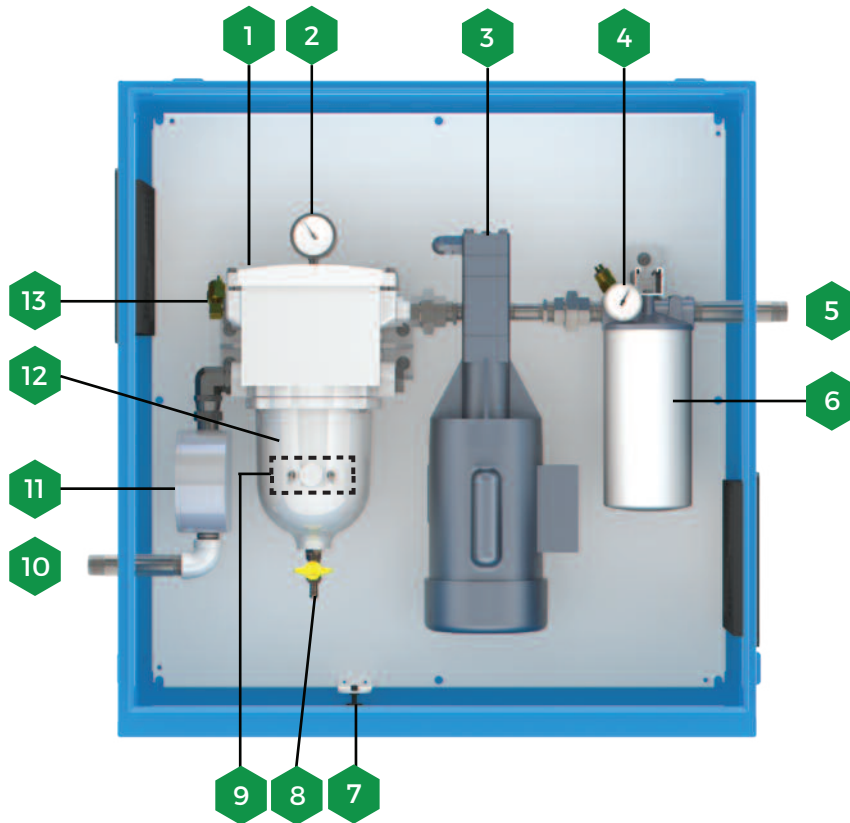
For safe operation, the SMART FPS-LX-FB is equipped with an automatic pump shut-down and indicators when filter elements require service. Also included are indicators for high pump vacuum, pressure exits, and leaks.



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

SMART FPS LX-FB OPTIONS

- Fuel Contamination Test Kit
- Fuel Sampling Kit
- AFC 705/710 Fuel Catalyst

REPLACEMENT FILTER OPTIONS

Pre Filter	Part No.	Fine Filter	Part No.
10 μ Filter Element	04010	3 μ Water Block Filter	WB-3
30 μ Filter Element	04030	10 μ Water Block Filter	WB-10
60 μ Filter Element	04060	1 μ Fine Filter	FF-1
		3 μ Fine Filter	FFZ-3
		10 μ Fine Filter	FF-10

FPS SYSTEM INTEGRATION

