



# SMART FPS SX-F

Compact Fuel Polishing Systems

The SMART FPS SX-F 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 SX-F 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 SX-F SPECIFICATIONS:

Flow Rate	2.5 GPM/150 GPH (9.5 LPM/567.8 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 500 Inline Conditioner
Pump	1/3HP Gear Pump
System Controller	SFC-50 SMART FPS System Monitor with Safety and Alarm Features
Power	120V/50Hz/15A or 230V/60Hz/15A
Plumbing	Stainless Steel
Ports	3/4" 37° Flare In 1/2" 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	≈ 57 lbs (25.9 kg)
<b>Not for use with fluids that have a flash point below 100°F (37.8°C).</b>	

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 SX-F SERIES FEATURE:

- SMART Filtration Controller
- 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 SX-F is equipped with an automatic pump shut-down and indicators when filter elements require service. Also included are indicators for high pump vacuum, high filter pressure, and leaks.



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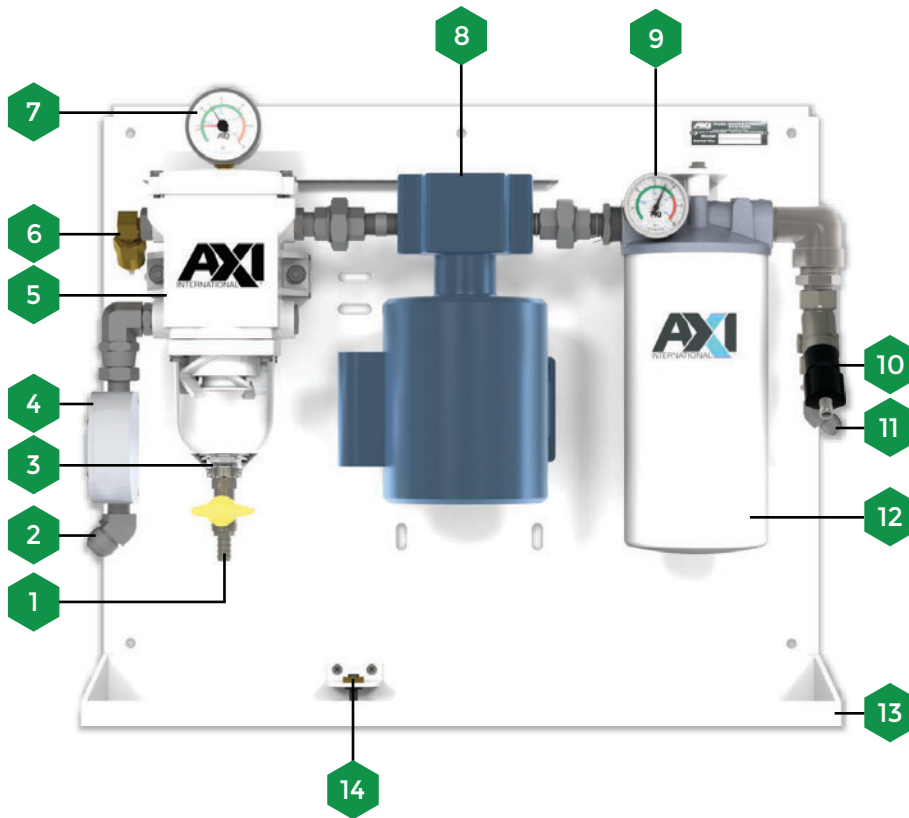
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1. Drain Valve
2. Fuel Inlet (From Tank)
3. Water Collector
4. Fuel Conditioner
5. Pre Filter/Water Separator
6. Vacuum Switch
7. Vacuum Gauge
8. Pump with Close Coupled Motor
9. Pressure Gauge
10. Flow Switch (Optional)
11. Fuel Outlet (To Tank)
12. Final Filter
13. Drip Tray
14. Leak Detector

### SMART FPS SX-F OPTIONS:

- Fuel Contamination Test Kit
- Fuel Sampling Kit
- AFC 705/710 Fuel Catalyst
- Racor Filter
- TSC-7000 Controller

### REPLACEMENT FILTER OPTIONS:

Pre Filter	Part No.	Fine Filter	Part No.
10 $\mu$ Filter Element	01010	3 $\mu$ Water Block Filter	WB-3
30 $\mu$ Filter Element	01030	10 $\mu$ Water Block Filter	WB-10
60 $\mu$ Filter Element	010605	1 $\mu$ Fine Filter	FF-1
		3 $\mu$ Fine Filter	FFZ-3
		10 $\mu$ Fine Filter	FF-10

### FPS SYSTEM INTEGRATION:

