



SMART FPS-SX

Compact Fuel Polishing Systems

SMART Fuel Polishing Systems are programmable, fully automated Fuel Optimization Systems that remove water, sludge and contaminants. They condition and stabilize fuel, keeping it dry and free from microbial contamination. This system also features AXI's LG-X Fuel Conditioner that reverses fuel deterioration and sedimentation to sub micron levels - preventing clogged filters, extending injection system service life, and reducing smoke, emissions, and downtime.



Generators and pumps operating in remote locations are ideal applications for SMART FPS Systems. 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 instead of serious warning signs of fuel problems.

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

SMART FPS-SX SPECIFICATIONS

Flow Rate	150 GPH / 2.5 GPM
Primary Filter/ Water Separator	10 μ or 30 μ Particulate
Fuel Conditioner	LG-X 500 Inline Conditioner
Pump	1/3 hp Internal Gear Pump
Smart Filtration Controller	SFC-50
Power	110V 60Hz 15A or 230V 50Hz 15A
Plumbing	Stainless Steel
Ports	3/4" (1.9 cm) 37° Flare In 1/2" (1.9 cm) 37° Flare Out
Construction	Powder Coated Aluminum Back Plate
Dimensions	21" x 18 x 9" (H x W x D) 53 x 46 x 23 cm
Weight	≈ 57 lbs (25.9 kg) (system) 10 lbs (controller)
Not for use with fluids that have a flash point below 100°F.	

SMART FPS-SX SERIES FEATURE:

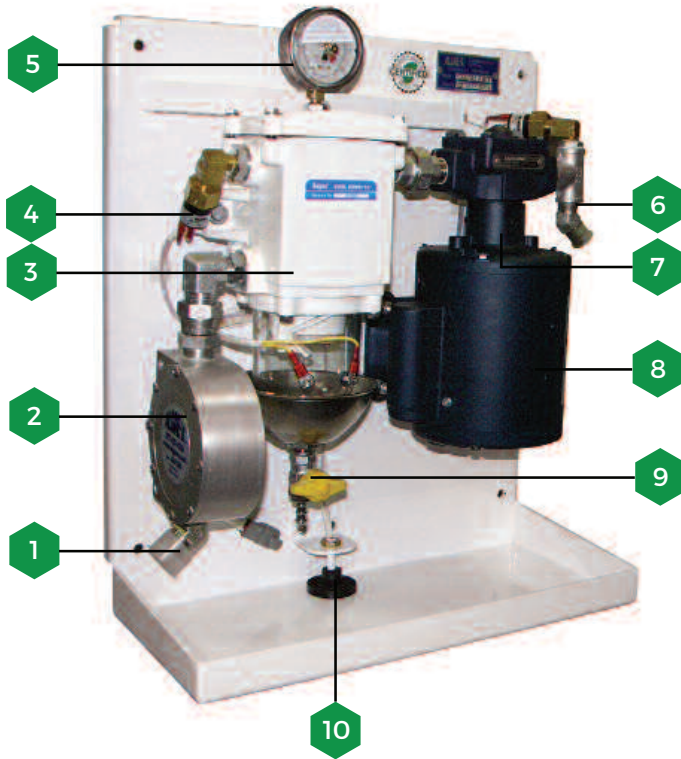
- SMART Filtration Controller
- Fully Automated and Programmable Operation
- Integration with Vessel Monitoring Systems
- Modular "Plug & Play" Flexibility
- Unique Safety & Alarm Features
- Continuous-Duty Pumps, Viton Seals

For safe operation, the SMART FPS-SX 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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1. Fuel Inlet (From Tank)
2. LG-X Inline Fuel Conditioner
3. Separ Primary Filter / Water Separator
4. Vacuum Switch
5. Vacuum Gauge
6. Outlet (To Tank)
7. Pump
8. Motor
9. Drain Valve
10. LeakDetector (Float Switch) in Spill Tray

SMART FPS-SX OPTIONS

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

REPLACEMENT FILTER OPTIONS

Primary Filter	Part No.	Secondary Filter	Part No.
10 μ Filter Element	01010	3 μ Water Block Filter	WB-3
30 μ Filter Element	01030	10 μ Water Block Filter	WB-10
60 μ Filter Element	010605	1 μ Fine Filter	FF-1
		3 μ Fine Filter	FFZ-3
		10 μ Fine Filter	FF-10

AFC 705/710 FUEL ADDITIVE

A unique and powerful broad spectrum concentrate for use in diesel, gasoline, bio-fuel, kerosene, and HFO. Benefits include:

- Extended Engine Life
- Extended Filter Life
- Removes / Prevents Carbon Build Up
- Prevents Corrosion
- Cleans Injection System
- Tier 4 Compliant (710 only)
- Stabilized Fuel up to 12 mo.
- Added Lubricity
- Improved Combustion
- Lower Emissions
- Improved Fuel Economy