

AXI STS 6000 SX-F

Enclosed Fuel Maintenance System

The STS 6000 SX-F is a programmable, fully automated, fuel maintenance system that removes water, sludge, and other contaminants from fuel storage tanks. Once installed, the STS 6000 SX-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. The STS system's NEMA 4 rated enclosure allows for both outdoor and indoor installations by protecting the system from windblown dust and rain, hose directed water, and ice formations.



STX 6000 SX-F SYSTEM FEATURES:

- Smart Filtration Controller
- Fully Automated and Programmable Operation
- Integration with External Monitoring Systems
- Unique Safety & Alarm Features
- Continuous-Duty Pump, Viton Seals

For safe operation, the STS 6000 SX-F is equipped with an automatic pump shut-down feature and alert indication to notify users of when the system requires servicing.

STX 6000 SX-F SPECIFICATIONS:

Nominal 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 Magnetic Conditioner
Pump	1/3 HP Spur Gear Pump
System Controller	SFC50 Smart Filtration Controller with Safety and Alarm Features
Power	120V/60Hz/1Ph or 230V/50Hz/1Ph*
Plumbing	Black Iron
Ports	1/2" NPT In, 1/2" NPT Out
Enclosure Cabinet	NEMA 4 Rated Powder Coated or NEMA 4X Rated Stainless Steel
Dimensions	≈ 23" x 26" x 9" (H x W x D) (58 x 69 x 23 cm)
Weight	≈ 57 lbs (25.9 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 2.5 GPM to 2 GPM

REPLACEMENT FILTER OPTIONS:

Primary Filter	Part No.	Secondary Filter	Part No.
10µ Filter Cartridge	01010	3µ Water Block Filter	WB-3
30µ Filter Cartridge*	01030	10µ Water Block Filter	WB-10
60µ Filter Cartridge	01060S	3µ Fine Filter*	FF-3
		10µ Fine Filter	FF-10
		25µ Fine Filter	FF-25
		3µ X-Glass Media Fine Filter	FFZ-3

*Standard-issue filter element unless requested otherwise



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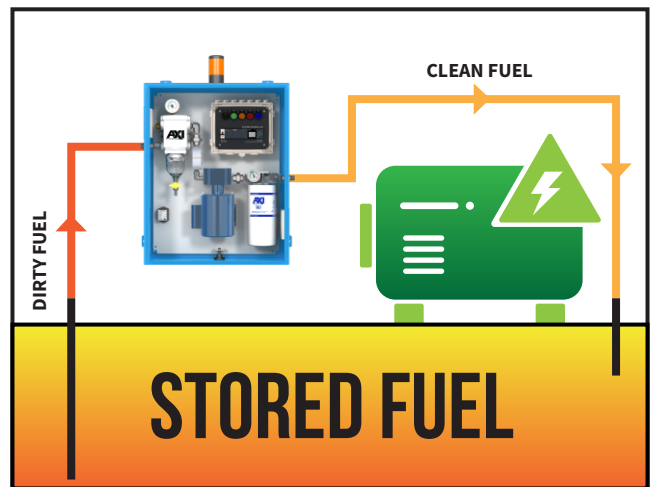


- 1. Water Detection Alarm Module
- 2. Drain Valve
- 3. Water Collection Sump
- 4. Fuel Conditioner
- 5. Fuel Inlet (From Tank)
- 6. Primary Filter/Water Separator
- 7. Vacuum Switch
- 8. Vacuum Gauge
- 9. Alarm Stack Light
- 10. Smart Filtration Controller
- 11. Pressure Switch (Not Visible)
- 12. Pressure Gauge
- 13. Fuel Outlet (To Tank)
- 14. Fine Filter
- 15. Leak Detector
- 16. Motor with Coupled Gear Pump

STS SYSTEM OPTIONS:

NEMA 4X Rated Enclosure	Gain additional protection against corrosion with a stainless steel enclosure
Manual Additive Injection	Manually draw additive into the polisher with a dedicated supply port and ball valve
Enclosure Heater	Prevent the build up of condensation inside the system enclosure due to temperature changes

STS SYSTEM INTEGRATION:



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