



STS 6000 SX-F

Enclosed Automated Fuel Maintenance System

The STS 6000 SX-F Programmable Automated Fuel Maintenance System is designed to optimize and maintain diesel fuel indefinitely. Adding an STS 6000 SX-F system will remove particulate, separate water, and condition stored fuel. This innovative process stabilizes diesel and bio-fuels, eliminates microbial contamination, and ensures clean reliable fuel at all times. Generators and pumps operating in remote locations are ideal applications for STS 6000 SX-F systems.



STS 6000 SX-F SPECIFICATIONS

Flow Rate (@60Hz)	2.5 GPM/150 GPH (9.5 LPM/568 LPH)
Primary Filter/Water Separator	10 or 30µ Particulate or 60µ Stainless Steel Screen with Centrifugal Water Separator
Secondary Filter/Water Block	1, 3, 10, 25µ Particulate or 3, 10µ Water Block
Fuel Conditioner	LG-X 500 Inline Conditioner
Pump	1/3 HP Gear Pump
System Controller	Programmable, Fully Automated UL 508A SMART Filtration Controller with BMS/BAS Interface and Digital Text Readout
Power	120V/60Hz/15A or 230V/50Hz/15A
Plumbing	Stainless Steel
Ports	1/2" NPT In 1/2" NPT Out
Enclosure Cabinet	NEMA 12 (IP55), 13 (IP65), 4 (IP66), and 4X (IP66) Powder Coat or Stainless Steel
Dimensions	30" x 24" x 10" (H x W x D) (76 x 61 x 25 cm)
Weight	≈ 190 lbs (86.2 kgs)
Not for use with fluids that have a flash point below 100°F (37.8°C).	

STS 6000 SERIES SAFETY FEATURES:

- Automatic Alerts
- Pump Shut Down When Filters Need Service
- Leak Detection
- Water Detection
- High Filter Vacuum
- High Pump Pressure
- Low Fuel Flow Alert

STS 6000 SX-F SERIES FEATURE:

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

For safe operation, the STS 6000-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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AXI STS 6000 SX-F

Enclosed Automated Fuel Maintenance System



1. SMART Filtration Controller
2. Alarm Light
3. Vacuum Gauge
4. Pre Filter/Water Separator
5. Fuel Inlet
6. AXI Inline LG-X 500 Conditioner
7. Water Detection Probes
8. Primary Filter Drain
9. Watect Water Sensor
10. Gear Pump
11. Leak Detection Switch
12. Fine Filter
13. Fuel Outlet
14. Pressure Gauge

STX 6000 SX-F OPTIONS:

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

REPLACEMENT FILTER OPTIONS:

Pre Filter	Part No.	Fine 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 Strainer	01060SS	1 μ Fine Filter	FF-1
		3 μ Fine Filter	FFZ-3
		10 μ Fine Filter	FF-10

STX SYSTEM INTEGRATION:

