

AXI 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 30 μ Particulate or 60 μ Stainless Steel Screen with Centrifugal Water Separator |
| Secondary Filter/Water Block | 1, 3, 10, 25 μ Particulate or 3, 10 μ 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/50Hz/15A or 230V/60Hz/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 | \approx 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
- Emergency Stop

◆ 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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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

◆ STS 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 |

◆ STS SYSTEM INTEGRATION:

