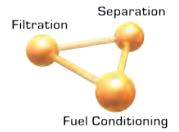


STS 6000-30 GPM

Programmable Automated Fuel Filtration System



STS 6000-30 GPM Programmable Automated Fuel Filtration Systems are self-contained, stand-alone systems that remove and prevent the buildup of water, sludge and contaminants in tanks. They stabilize diesel and bio-fuels, eliminate microbial contamination to optimize and maintain fuel quality. STS systems guarantee **Optimal Fuel Quality** for **Reliable Power at All Times**.



STS 6000-30 GPM Systems feature:

- Multi-stage water removal and particulate filtration
- NEMA 12, 13, 4 Powder Coated or Stainless
- UL508A SMART Filtration Controller
- Unique Alarm Functions and Remote Monitoring
- Integrates with Building Management Systems
- Stainless Steel Plumbing
- **Stand-Alone, Reliable & Turn-Key**

For safe operation, the **STS 6000-30 GPM** triggers automatic alarms and shuts down the pump when filters need service; a leak is detected; high separator water level, high filter vacuum, or high pump pressure occurs; or when the fuel flow is out of range.

Preventive Maintenance Plans for mission-critical power are essential. However, most service agreements do not cover fuel-related engine failures. Fuel has a limited shelf-life and even "fresh fuel" could contain water, sediment, microbes and bio-fuel components upon delivery.

Periodic generator tests-runs are too short to determine if fuel quality is adequate for the demands of continuous, full-load operation. In fact, generator test runs significantly accelerate the fuel polymerization and degradation process by returning fuel that has been compromised by heat and pressure back to the tank.

Potential liabilities can easily be avoided by implementing an **AXI Fuel Quality Maintenance Program** as part of every disaster recovery plan. An STS 6000-30 GPM automatically maintains fuel quality and guarantees reliable emergency power whenever it is needed.

STS 6000-30 GPM SPECIFICATIONS

Flow Rate	30 GPM
Primary Filter/Water Separator/Coalescer	1, 5, 10 or 30 μ Particulate or Coalescing
Secondary Filter/Water Block	1, 5, 10 or 25 μ Particulate or Water Block
Fuel Conditioner	LG-X 4000
Smart Filtration Controller	SFC-30G
Pump	Internal Gear Pump
Power	208-230V 60Hz 20A or 230V 50Hz 15A
Plumbing	Stainless Steel
Ports	In 2" NPT Out 1.5" NPT
Weatherproof Cabinet	NEMA 12, 13, 4 Powder Coat or Stainless
Dimensions	56" x 72" x 17" (142 x 183 x 43 cm)
Weight	≈688 lbs
Not for use with fluids that have a flash point below 100°F.	



+1-239-690-9589
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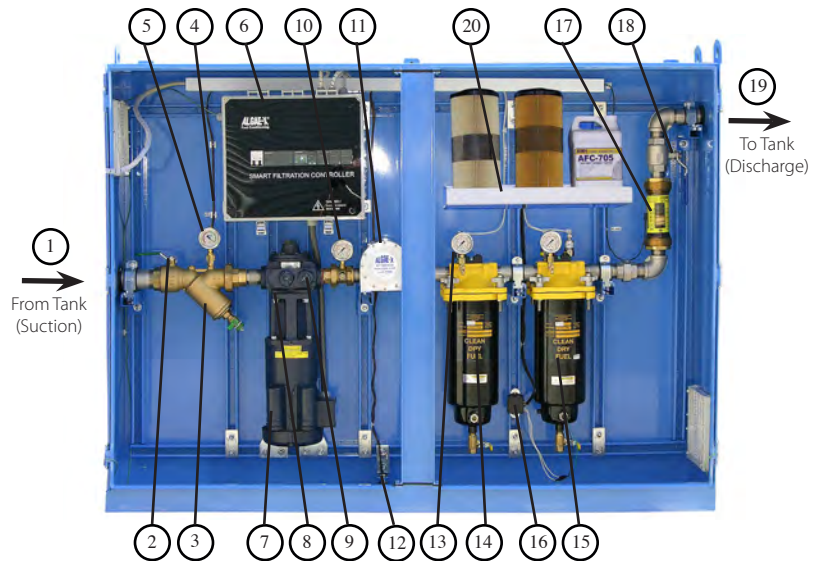
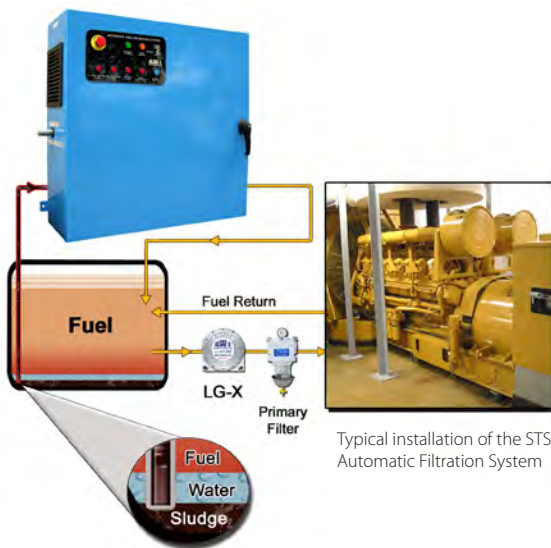
Wherever fuel is being used or stored

The system is automatically operated by the programmable UL508A **SMART Filtration Controller**. All components and control devices are contained within a fully enclosed, lockable, weatherproof, NEMA-rated cabinet.

The **principal components** are a continuous-duty motor with coupled gear pump, a strainer/primary coalescing filter with vacuum sensor and gauge, an ALGAE-X Fuel Conditioner and a secondary water block fine filter with pressure gauge and sensor.

The **primary filter** protects the pump, coalesces and removes water and particulate. The patented **ALGAE-X Fuel Conditioner** prevents and reverses fuel degradation, agglomeration and microbial contamination. The secondary filter is a quick-change spin-on filter designed to remove dissolved and emulsified water and contaminants down to 1 μ .

Implementing STS Fuel Quality Optimization & Maintenance Systems guarantee **Optimal Fuel Quality for Reliable Power At All Times**. STS 6000-30 GPM System prevents downtime, periodic tank cleaning, replacing out-of-spec fuel and fuel-quality related injection system repairs.



Inside the STS 6000-30 GPM

1. Fuel Inlet (From Tank)
2. Inlet Ball Valve
3. Nexus Y Strainer
4. Vacuum Gauge
5. Vacuum Switch
6. ALGAE-X® Smart Filtration Controller
7. Motor
8. Gear Pump
9. Pressure Relief Valve
10. Pressure Gauge
11. ALGAE-X® Magnetic Fuel Conditioner
12. Leak Detector
13. Pressure Transmitter
14. Primary Filter
15. Secondary Filter/Water Separator Coalescer
16. Water Sensor Alarm Module
17. Mechanical Flow Meter with Flow Switch
18. Outlet Ball Valve
19. Fuel Outlet
20. Storage Shelf

STS 6000-30 GPM Accessories:

- Multiple tank functions
- AFC-705 Fuel Catalyst
- Digital Flow Meter
- Foot Valve
- Wide range of filter elements