

ALGAE-X® STS Automated Fuel Filtration Systems keep your diesel fuel in “pristine condition”. They remove sludge and water from your tanks, dry the fuel and prevent microbial contamination. The system’s fully automated programming combined with remote monitoring and control capabilities simplify fuel optimization and maintenance programs for diesel and bio-fuel.

STG-6000-10GPM-2T Automated Fuel Filtration System for Emergency Power Reliability



STS-6000-10GPM-2T

- Fully Automated For Two Tanks
- Connect with BMS
- SMART Filtration Controller (UL508a)
- Continuous Duty Pump with Viton Seals
- Stainless Steel Plumbing
- Powder Coated NEMA Certified Enclosure (Stainless Cabinet Optional)
- Stand Alone, Reliable Turn-Key Solution



The programmable Smart Filtration Controller operating a pair of 3-way ball valves to switch between and service two tanks with one machine.

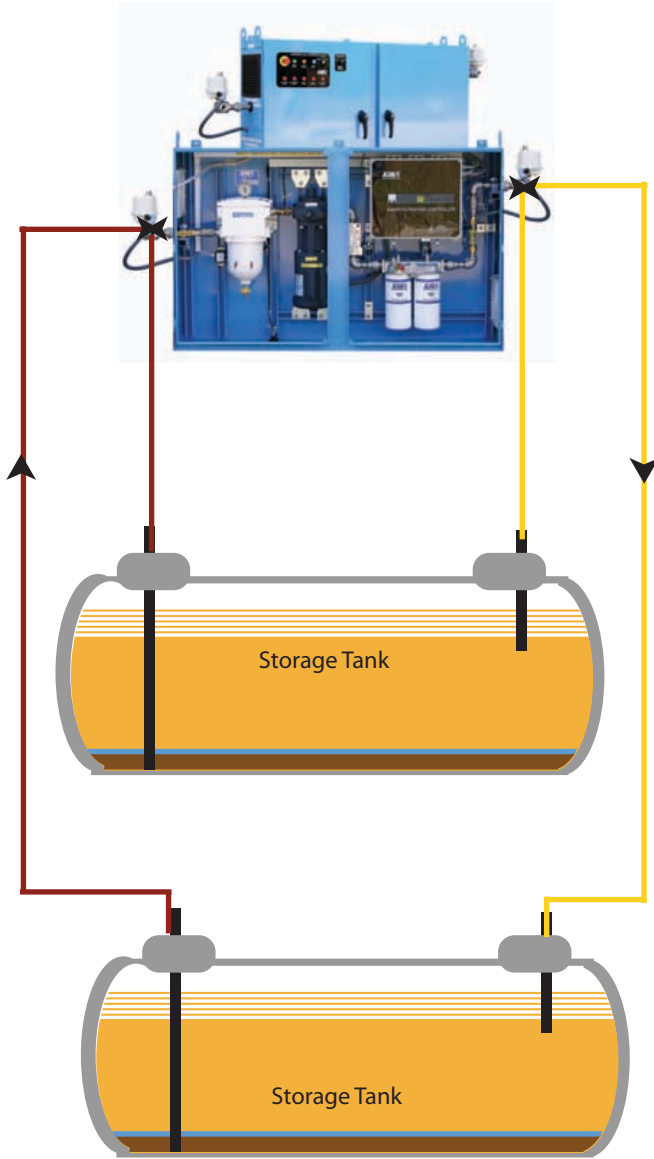
For safe operation, the controller monitors system operation and can easily be connected to an existing building monitoring system. Alarm functions and pump shut down are triggered when filters need service, a leak is detected, high vacuum or pressure occurs, or when there is water in the separator. The STS-6000 can be connected to the tanks' "High Fuel Level Alarms" to prevent overfilling and potential spills.

All components and control devices are contained within a fully enclosed, lockable, NEMA cabinet. STS systems prevent periodic tank cleaning, replacing out of spec fuel and costly downtime.

Flow Rate	10GPM
Primary Filtration/ Water Separator	10, 30 or 60 Micron 60 Micron Stainless Screen
Secondary Filtration/ Water Block	10 Micron Fine Filter or 3 Micron Water Block
Fuel Conditioner	LG-X 3000
Smart Filtration Controller	SFC-10GT
Pump	Internal Gear Pump
Power	110V / 60Hz 20A or 230V / 50Hz 15A
Plumbing	Stainless Steel
Ports	In 1" NPT Out 1" NPT
Weatherproof Cabinet	NEMA 12, 13, 4 Powder Coat or Stainless
Dimensions	37" x 82" x 12"
Weight	~400 lbs

ALGAE-X® Total Fuel Management Systems

Toll Free 877-425-4239 • Intl. +1-239-690-9589 • www.algae-x.net



Customer quotes:

"I had no idea how much sludge accumulated in my tank, putting my emergency power at risk."

"We had to learn the hard way that a clogged filter will shut down the genset – Algae-X provided us with the perfect "Fuel Solution" so this will never happen again."

Fuel Maintenance is an important part of periodic generator maintenance programs the oil and ensuring the batteries are charged.

- Do you have a "Fuel Maintenance Program" in place?
- Can you afford a clogged filter shutting down your generator?
- When did you last test your fuel or check the tank for water & sediments?

STS-6000 10GPM 2T
Controls & Connections



Fuel is inherently unstable. It **naturally forms sediments, solids and tank sludge**. Water naturally accumulates in storage tanks due to condensation or leaks in fills and vents. Water and temperature changes create an environment for microbial growth and natural oxidation, accelerating formation of sludge, acids and tank corrosion.

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