

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. STS systems use fully-automated programming and remote monitoring to simplify fuel optimization and maintenance programs for diesel and bio-fuel. **STS Systems ensure Optimal Fuel Quality and Reliable Emergency Power.**



- Fully Automated Filtration System
- Easy Integration with BMS
- SMART Filtration Controller (UL508a)
- Continuous Duty Pump with Viton Seals
- Powder Coated & Stainless Enclosures
- Stainless Steel Plumbing
- Stand Alone, Reliable Turn-Key Equipment



For safe operation, the controller monitors system operation and can easily be integrated in any building management system (BMS). 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.

STS-6000 systems can be connected to the tank's "High Fuel Level Alarm" to prevent overfilling and potential spills. All components and control devices are contained within a fully enclosed, lockable, NEMA certified cabinet.

STS 6000-30GPM STS 6000-30GPM eu

	STS 6000-30GPM	STS 6000-30GPM eu
Dimensions (H x W x D)	56" x 72" x 17" (142x 183x 43cm)	56" x 72" x 17" (142x 183x 43cm)
Weight (Approx.)	688 lbs (312 kg)	688 lbs (312 kg)
Power Requirements	2Hp / 208-230V / 1hp/ 60Hz 20A	2Hp / 220/380V / 1ph/ 50Hz 20A
Flow Rate	30 gpm / 114 l/m	30 gpm / 114 l/m
Fuel Conditioner	LG-X 4000	LG-X 4000
Primary Filter	1,5,10 or 25 micron	1,5,10 or 25 micron
Secondary Filter/ Water Block or Coalescer	1,5,10 or 25 micron	1,5,10 or 25 micron
Filtration Controller	SMART PLC Controller	SMART PLC Controller
Port Size	2" Suction / 1.5" Discharge	2" Suction / 1.5" Discharge
Plumbing	Stainless Steel Fittings	Stainless Steel Fittings
Certifications	UL 508A Certified NEMA Certified	UL 508A Certified NEMA Certified

ALGAE-X® Total Fuel Management Systems

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The principal STS-6000-30 GPM components are:

- Nexus Y-Strainer to protect the pump,
- Continuous duty motor with coupled gear pump and Viton Seals,
- Primary filter to remove debris
- Secondary coalescing filter to dry the fuel, and
- Algae-X Fuel Conditioner to optimize fuel quality, increase filterability and eliminate microbial contamination.

Both primary and secondary filters are equipped with pressure gauges, water sensors and alarm modules.

The programmable UL 508A listed Algae-X Smart Filtration Controller automatically operates and monitors the STS system. All components and control devices are contained within a fully enclosed, lockable, weatherproof, NEMA certified enclosure.



Customer quotes:

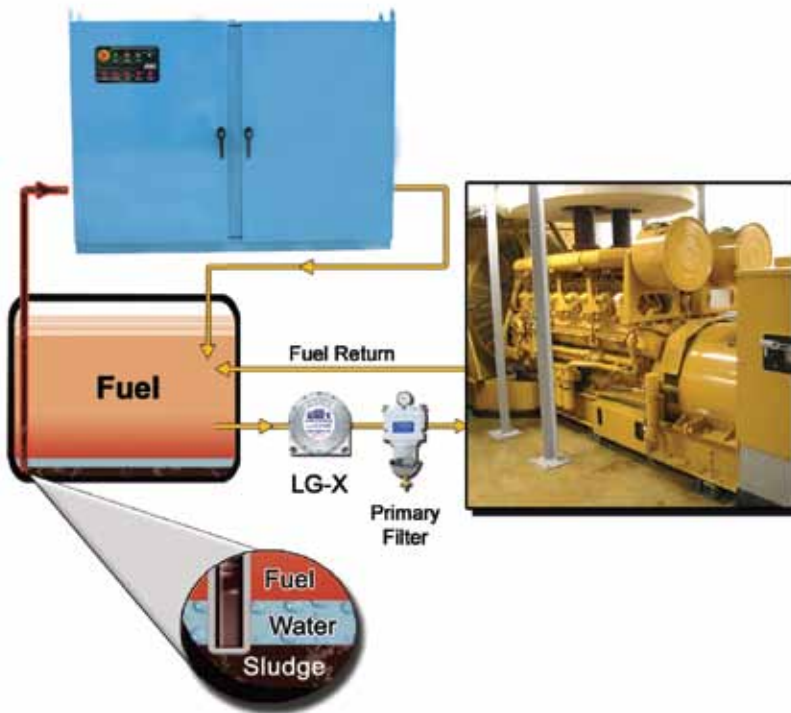
"I had no idea how much sludge accumulated in my tank, putting my emergency power at risk."

"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 – just like changing 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?

Call us to design & engineer your "Fuel Maintenance System"



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