

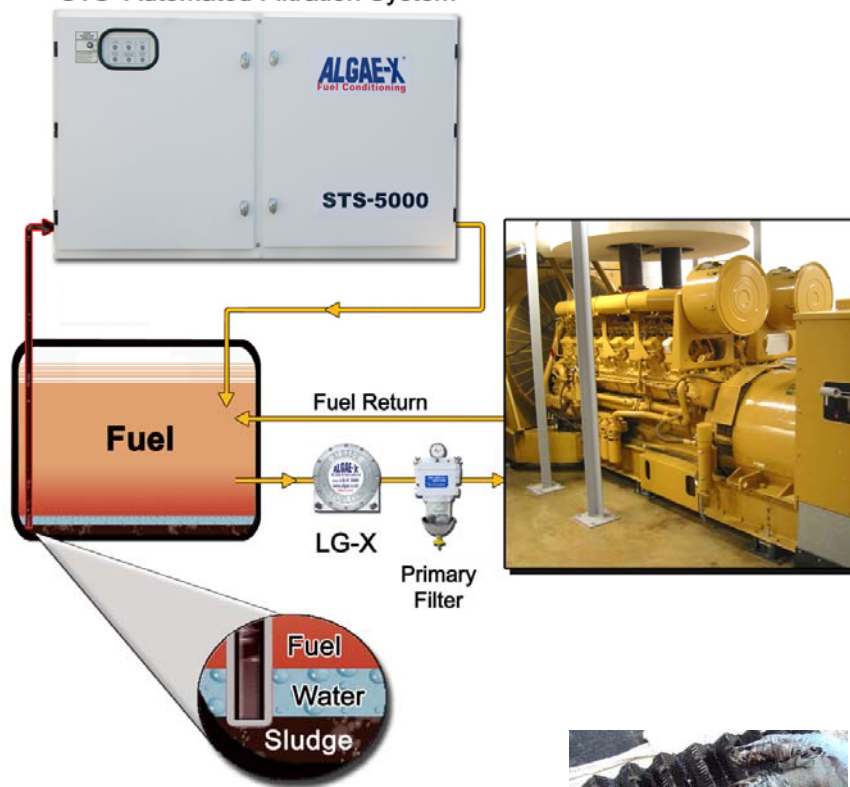


The **principal components** are a continuous duty motor with coupled gear pump, strainer/primary filter with vacuum sensor, water separator/coalescer with vacuum gauge and water sensor, Algae-X Fuel Conditioner, and secondary filter with pressure gauge and sensor. The system is automatically operated by a digital timer with memory backup. All components and control devices are installed inside the fully enclosed, lockable, weatherproof NEMA 3R cabinet.

The strainer/primary filter protects the pump, while the separator/coalescer removes water and particulate. The secondary filter is a quick change spin-on filter designed to remove emulsified water and contaminants down to 3 Micron.

For safe operation the **STS 5000** is equipped with a retention basin monitored by a leak detector. Additional safety elements include automatic system shut-off and alarm indication when filter elements require service, high pump vacuum exists or excessive water levels are detected in the separator.

### STS Automated Filtration System



#### Customer quotes:

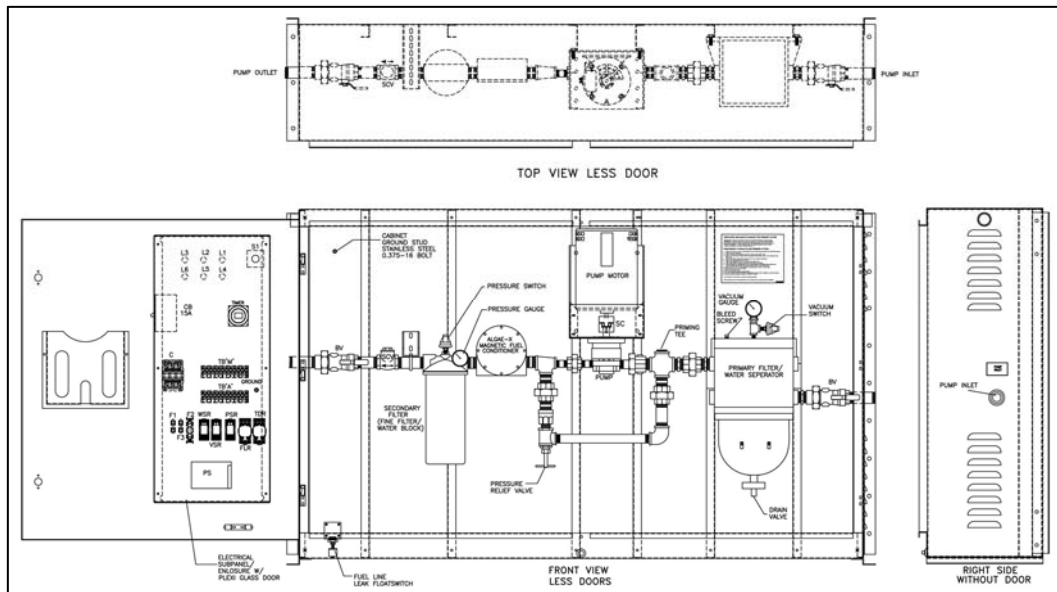
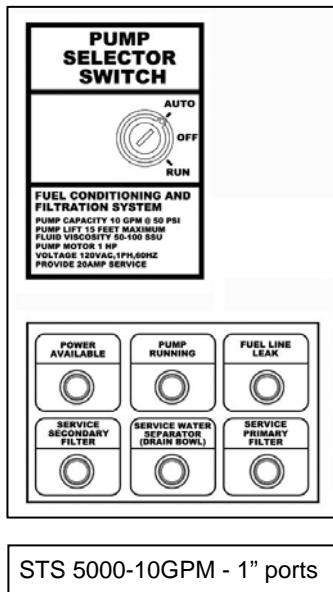
*"I had no idea how much sludge accumulated in my tank, putting my emergency power at risk."*

*"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 engineer & design your "Fuel Maintenance System"**



## ALGAE-X® - Optimal Fuel Quality & Reliable Engine Performance