

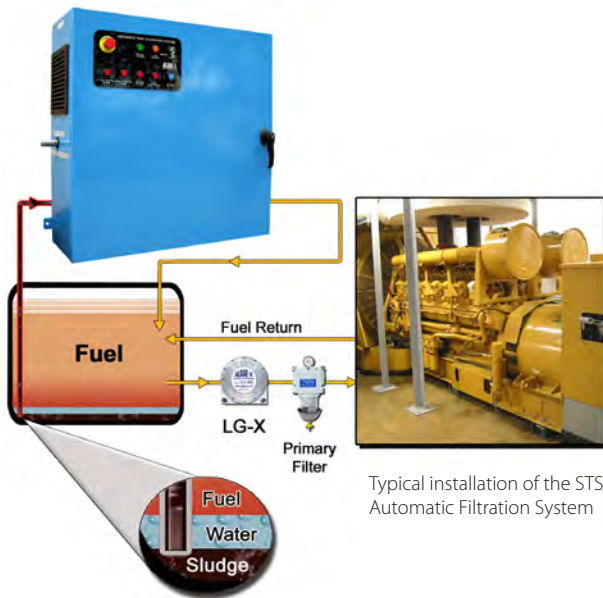


The system is automatically operated by the programmable UL508A **SMART Filtration Controller**. All components and control devices are contained within a fully enclosed, lockable, weatherproof, NEMA-rated cabinet.

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 **SEPAR 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  $\mu$ .

Implementing STS Fuel Quality Optimization & Maintenance Systems guarantee **Optimal Fuel Quality for Reliable Power At All Times**. STS 6000-10 GPM System prevents downtime, periodic tank cleaning, replacing out-of-spec fuel and fuel-quality related injection system repairs.



### Inside the STS 6000-10 GPM

1. Fuel Inlet (From Tank)
2. Inlet Ball Valve
3. SEPAR Primary Filter / Water Separator
4. Vacuum Gauge
5. Drain Valve (push and turn open)
6. Man. Air Vent / Bleed Screw
7. Vacuum Switch
8. ALGAE-X® Smart Filtration Controller
9. Pressure Relief Valve
10. Gear Pump
11. Motor
12. ALGAE-X® Magnetic Fuel Conditioner
13. Secondary Filter
14. Pressure Switch
15. Pressure Gauge
16. Outlet Ball Valve
17. Fuel Outlet (To Tank)
18. Mechanical Flow Meter with Flow Switch
19. Leak Detector (Float Switch) in Spill Tray

### STS 6000-10 GPM Accessories:

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