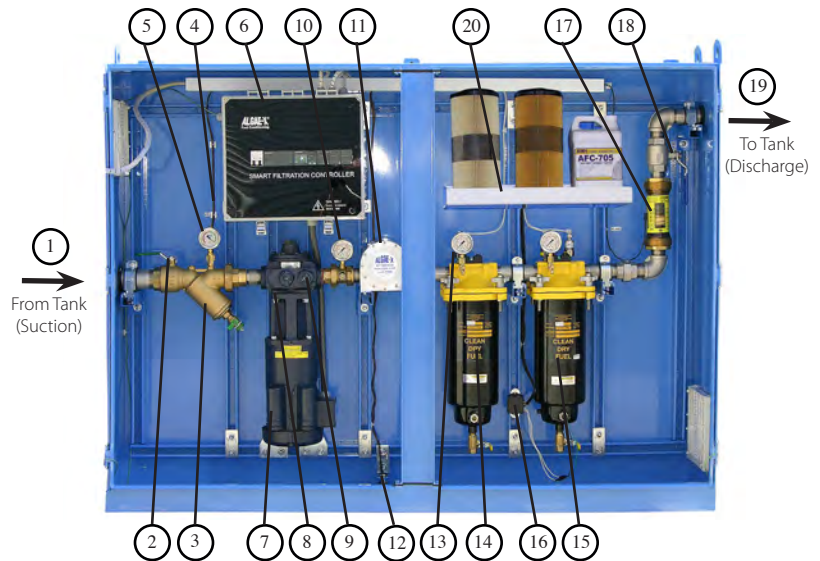
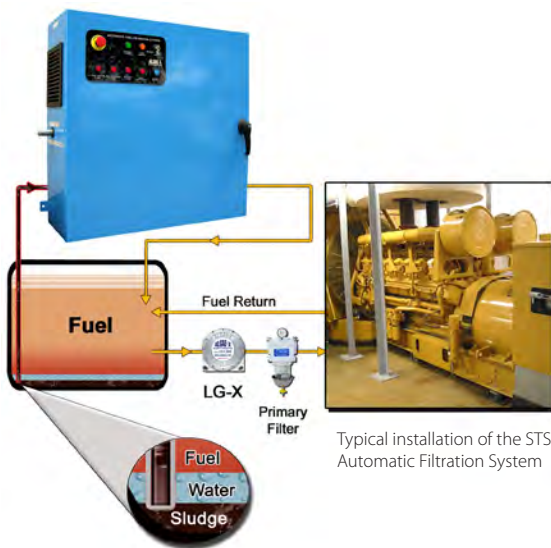


The system is automatically operated by the programmable UL508A **SMART Filtration Controller**. All components and control devices are contained within a fully enclosed, lockable, weatherproof, NEMA-rated cabinet.

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