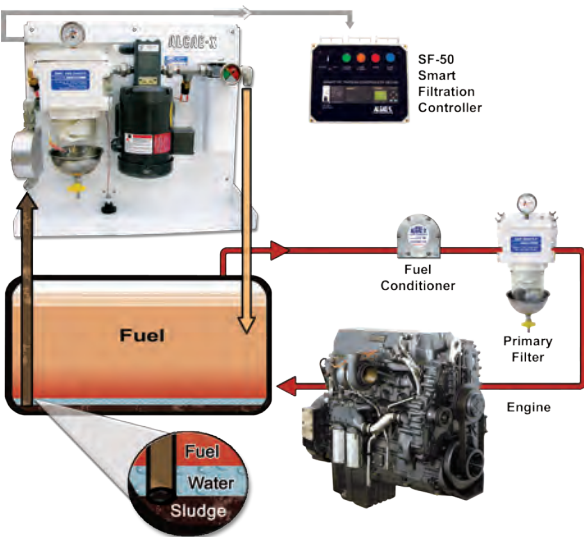


The system is automatically operated by the programmable UL508A **SMART Filtration Controller with text readout**. The controller's alarm functions and pump shut-down are triggered if filter elements require service, if high pump vacuum or pressure occurs, if system flow rate varies or if there is water in the separator. The wiring harness with plugs easily connects the SMART Filtration Controller with the FPS allowing for greater flexibility in installation and access where it's most convenient.

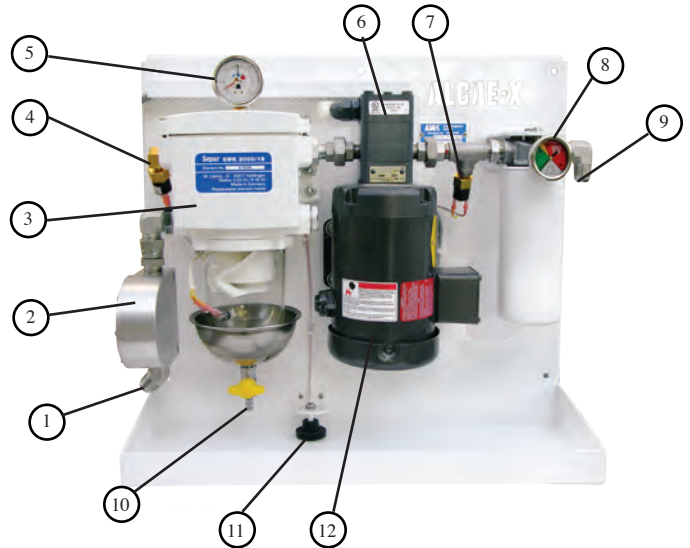
The **principal components** are a continuous-duty pump with primary filter/water separator with vacuum sensor and gauge, an **ALGAE-X Fuel Conditioner** and a SMART Filtration Controller.

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.

Implementing SMART FPS Fuel Polishing and Transfer Systems will guarantee **Optimal Fuel Quality for Reliable Power At All Times**. SMART FPS Systems prevent downtime, periodic tank cleaning, replacing out-of-spec fuel and fuel-quality related injection system repairs.



Typical installation of the SMART FPS Fuel Polishing and Transfer System



Inside the SMART FPS

1. Fuel Inlet (From Tank)
2. ALGAE-X® Fuel Conditioner
3. Separ Primary Filter / Water Separator
4. Vacuum Switch
5. Vacuum Gauge
6. Motor
7. Pressure Switch
8. Pressure Gauge
9. Fuel Outlet (To Tank)
10. Drain Valve
11. Leak Detector (Float Switch) in Spill Tray
12. Pump

SMART FPS Accessories:

- AFC-705 Fuel Catalyst
- Wide range of filter elements
- Fuel Sampling Pump Kit
- Microbial Contamination Testing Kit



Wherever fuel is being used or stored