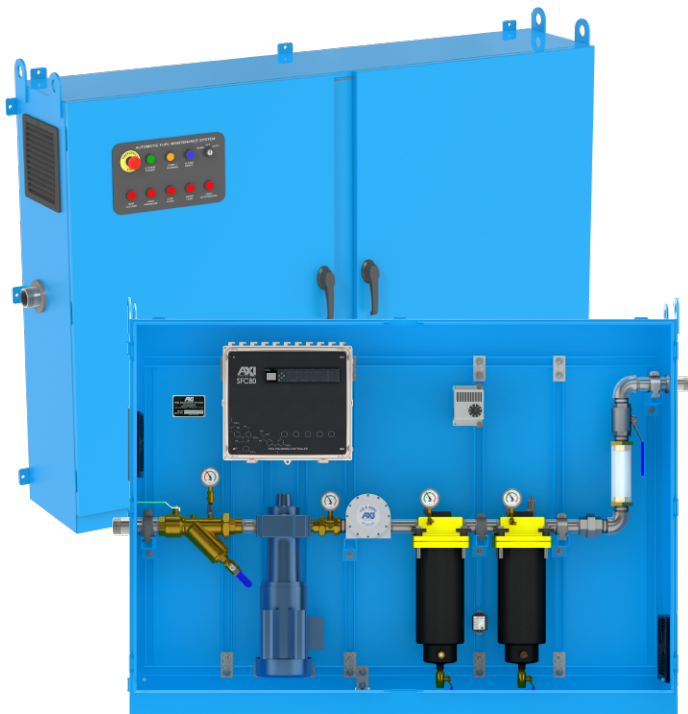


The STS 6030 is a programmable, fully automated, fuel maintenance system that removes water, sludge, and other contaminants from fuel storage tanks. Once installed, the STS 6030 system operates independently to ensure fuel reliability through routine fuel filtration. The system's fuel polishing process stabilizes diesel and bio-fuels, eliminates microbial contamination, and ensures fuel remains clean. The STS system's NEMA 4 rated enclosure allows for both outdoor and indoor installations by protecting the system from windblown dust and rain, hose directed water, and ice formations.



STS 6030 SPECIFICATIONS:

Nominal Flow Rate	30 GPM/1800 GPH (113.6 LPM/6,814 LPH)
Strainer	20 Mesh Wye-Strainer
Primary Filter	1, 5, 10 or 25 μ Particulate or Water Block Filter Element
Secondary Filter	1, 5, 10 or 25 μ Coalescing Filter Element
Fuel Conditioner	LG-X 4000 Inline Magnetic Conditioner
Pump	2 HP Spur Gear Pump
System Controller	SFC80 Smart Filtration Controller with Safety and Alarm Features
Power	240V/60Hz/3Ph, 480V/60Hz/3Ph
Plumbing	Black Iron
Ports	2" NPT In, 1.5" NPT Out
Enclosure Cabinet	NEMA 4 Rated Powder Coated or NEMA 4X Rated Stainless Steel
Dimensions	\approx 56" x 72" x 17" (H x W x D) (142 x 183 x 43 cm)
Weight	\approx 760 lbs (345 kg)
Not for use with fluids that have a flash point below 100°F (37.8°C).	

STS 6030 FEATURES:

- Smart Filtration Controller
- Fully Automated and Programmable Operation
- Integration with External Monitoring Systems
- Unique Safety & Alarm Features
- Continuous-Duty Pump, Viton Seals
- System Upgrade Options

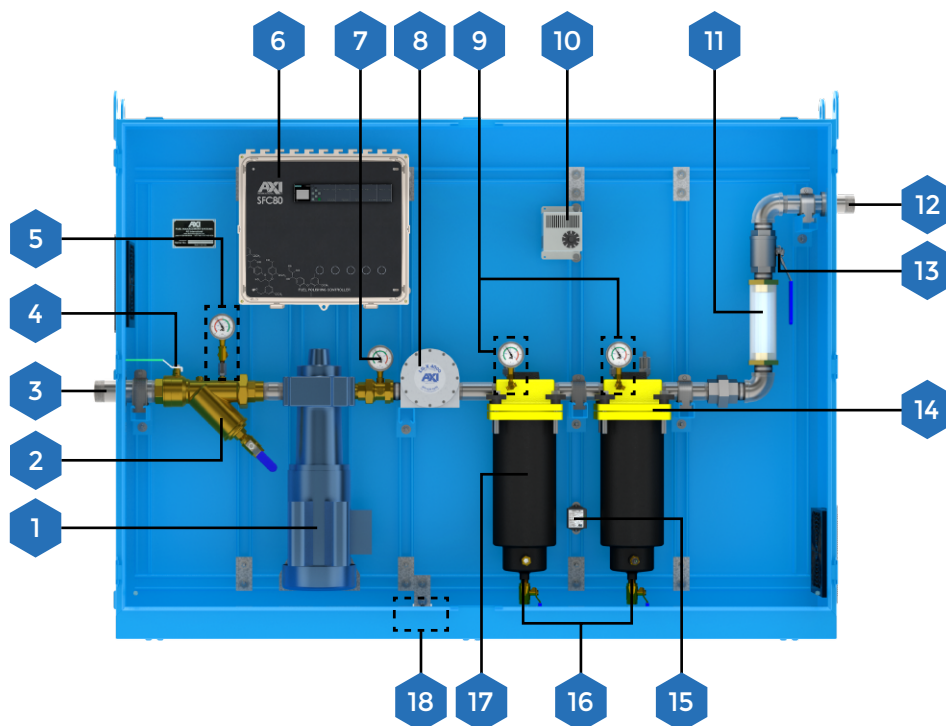
For safe operation, the STS 6030 is equipped with an automatic pump shut-down feature and alert indication to notify users of when the system requires servicing.

REPLACEMENT FILTER OPTIONS:

Primary Filter	Particulate Part No.	Water Block Part No.
1 μ Filter Cartridge	FBO-60339	FBO-60342
5 μ Filter Cartridge	FBO-60340	FBO-60343
10 μ Filter Cartridge*	FBO-60357*	FBO-60358
25 μ Filter Cartridge	FBO-60341	FBO-60344

Secondary Filter	Part No.
1 μ Coalescing Filter Cartridge	FBO-60336
5 μ Coalescing Filter Cartridge	FBO-60337
10 μ Coalescing Filter Cartridge*	FBO-60356
25 μ Coalescing Filter Cartridge	FBO-60338

*Standard-issue filter element unless requested otherwise



1. Motor with Coupled Gear Pump
2. Wye Strainer
3. Fuel Inlet (From Tank)
4. Inlet Ball Valve
5. Vacuum Gauge & Switch
6. Smart Filtration Controller
7. Pressure Gauge
8. Fuel Conditioner
9. Pressure Gauges & Transducers
10. Enclosure Heater (Option)
11. Flow Switch
12. Fuel Outlet (Discharge)
13. Outlet Ball Valve
14. Secondary Filter Housing
15. Water Detection Alarm Module
16. Filter Housing Drain Valves
17. Secondary Filter Housing
18. Leak Detector

STS 6030 SYSTEM OPTIONS:

NEMA 4X Rated Enclosure	Gain additional protection against corrosion with a stainless steel enclosure
Manual Additive Injection	Manually draw additive into the polisher with a dedicated supply port and ball valve
Enclosure Heater	Prevent the build up of condensation inside the system enclosure due to temperature changes
Auto Water Drain (AWD)	Automatically drain water separator of collected water for decreased frequency of maintenance
Pressure Transmitter	Replace standard pressure switch for detailed monitoring of pressure levels in the system
Flow Transmitter	Replace standard flow switch for detailed monitoring of flow rate in the system
Multi-Tank Polishing/Transfer	Polish and transfer fuel between multiple fuel storage tanks
Fuel Heater	Warm up circulated fuel to resist gelling in freezing temperatures

System upgrade may be required for certain combinations of options -
See controller specification sheet for more details

STS SYSTEM INTEGRATION:

