



STS 7030

Enclosed Automated Fuel Maintenance Systems

The STS 7030 is a programmable, fully automated, fuel maintenance system that removes water, sludge, and other contaminants from fuel storage tanks. Once installed, the STS 7030 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 7030 SPECIFICATIONS

Nominal Flow Rate	30 GPM/1800 GPH (113.6 LPM/6814 LPH)
Strainer	20 Mesh Wye-Strainer
Primary Filter	1, 5, 10, or 25µ Particulate, Water Block, or Coalescing Filter Element
Secondary Filter	1, 5, 10, or 25µ Particulate, Water Block, or Coalescing Filter Element
Fuel Conditioner	LG-X 4000 Inline Magnetic Conditioner
System Controller	7000 Series Smart Filtration Controller with Safety and Alarm Features
Pump	2 HP Gear Pump
Power	230V/1Ph/50Hz/15A or 480V/1Ph/60Hz/15A
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	56" x 72" x 17" (H x W x D) (142 x 183 x 43 cm)
Weight	≈ 760 lbs (345 kg)
Not for use with fluids that have a flash point below 100°F (37.8°C).	

*At 50 Hz, nominal flow rate decreases from 30 GPM to 24 GPM

Fuel has a limited shelf-life and even newly delivered fuel can contain water, sediment and microbial contaminants. Fuel filters should last thousands of hours. However, frequent filter changes, tank cleaning, and fuel replacement have become common maintenance practices that only address the symptoms of poor fuel quality.

The STS fuel maintenance systems are designed to prevent fuel deterioration through routine filtration in order to consistently provide a reliable supply of fuel.

STS 7030 SYSTEM FEATURES:

- UL508A Smart Filtration Controller
- Fully Automated and Programmable Operation
- Integration with Vessel Monitoring Systems
- Unique Safety & Alarm Features
- Continuous-Duty Pumps, Viton Seals

For safe operation, the STS 7030 is equipped with an automatic pump shut-down and indicators when filter elements require servicing.



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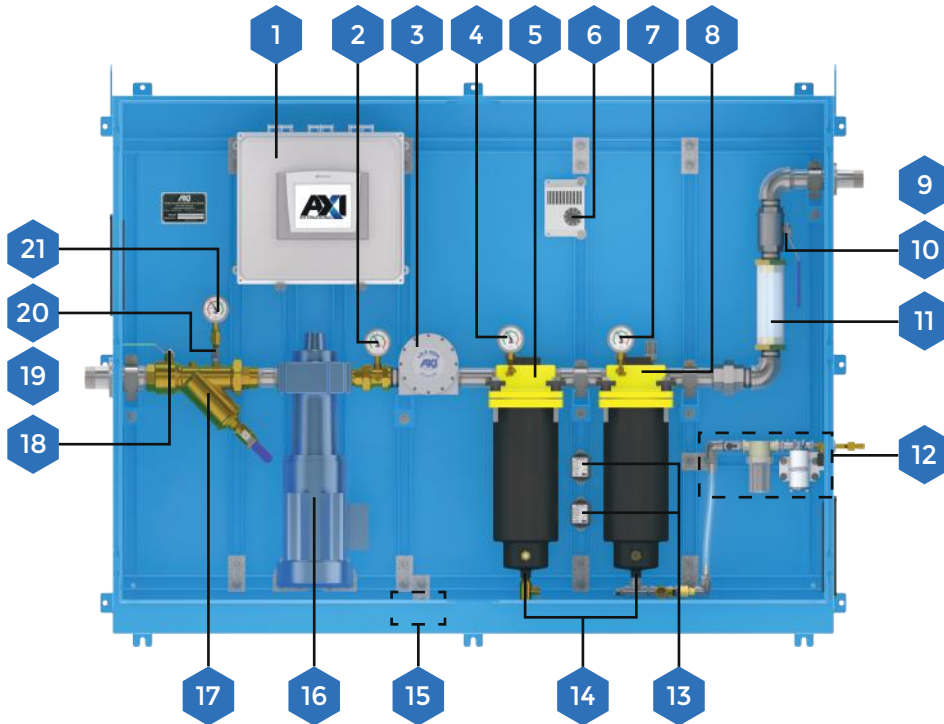
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STS 7030

Enclosed Automated Fuel Maintenance Systems



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

◆ STS 7030 OPTIONS:

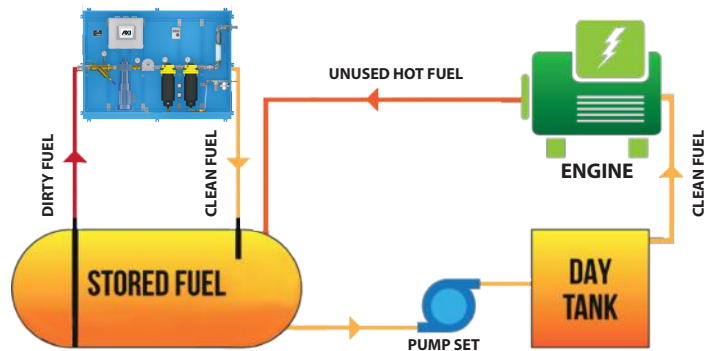
- Auto Water Drain (AWD)
- Multi-Tank Upgrade
- Auto Additive Injection
- Manual Additive Injection
- Enclosure Heater

◆ REPLACEMENT FILTER OPTIONS:

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

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

◆ STS SYSTEM INTEGRATION:



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