

The STS 7010 is a programmable, fully automated, fuel maintenance system that removes water, sludge, and other contaminants from fuel storage tanks. Once installed, the STS 7010 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 7010 SPECIFICATIONS:

Nominal Flow Rate	10 GPM/600 GPH (38 LPM/2,271 LPH)
Primary Filter	10 or 30μ Particulate or 60μ Stainless Steel Screen with Centrifugal Water Separator
Secondary Filters	1, 3, 10 or 25μ Fine Filter or 3, 10μ Water Block
Fuel Conditioner	LG-X 3000 Inline Magnetic Conditioner
Pump	3/4 HP Spur Gear Pump
System Controller	TSC70 Touchscreen Controller with Safety and Alarm Features
Power	120V/60Hz/1Ph, 208-230V/60Hz/1Ph, or 230V/50Hz/1Ph*
Plumbing	Black Iron
Ports	1" NPT In, 1" NPT Out
Enclosure Cabinet	NEMA 4 Rated Powder Coated or NEMA 4X Rated Stainless Steel
Dimensions	≈ 37" x 60" x 12" (H x W x D) (94 x 152 x 31 cm)
Weight	≈ 513 lbs (233 kg)
<b>Not for use with fluids that have a flash point below 100°F (37.8°C).</b>	

\*At 50 Hz, nominal flow rate decreases from 10 GPM to 8 GPM

## STS 7010 FEATURES:

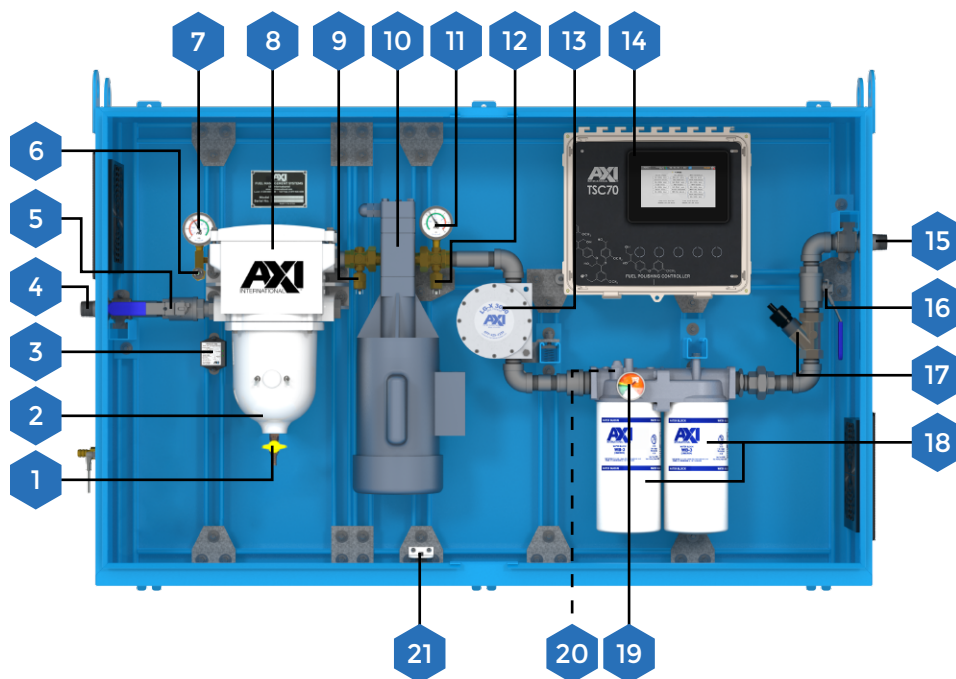
- Touchscreen Controller
- Fully Automated and Programmable Operation
- Integration with External Monitoring Systems
- Unique Safety & Alarm Features
- Continuous-Duty Pump, Viton Seals
- System Upgrade Options

For safe operation, the STS 7010 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	Part No.	Secondary Filters	Part No.
10μ Filter Cartridge	01010	3μ Water Block Filter	WB-3
30μ Filter Cartridge*	01030	10μ Water Block Filter	WB-10
60μ Filter Cartridge	01060S	3μ Fine Filter*	FF-3
		10μ Fine Filter	FF-10
		25μ Fine Filter	FF-25
		3μ X-Glass Media Fine Filter	FFZ-3

\*Standard-issue filter element unless requested otherwise

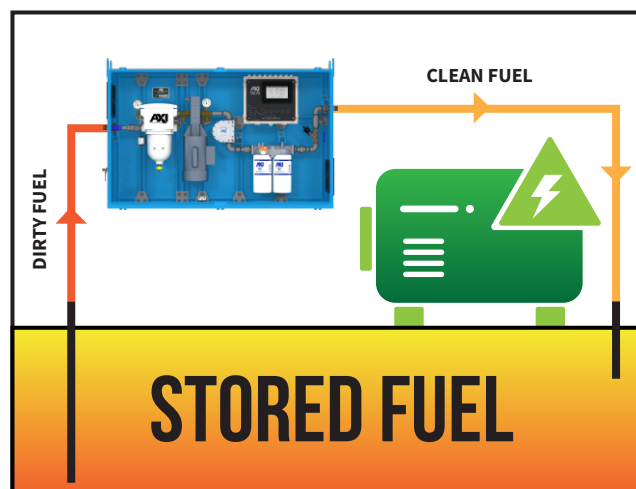


1. Drain Valve
2. Water Collection Sump
3. Water Detection Alarm Module
4. Fuel Inlet (From Tank)
5. Inlet Ball Valve
6. Vacuum Switch
7. Vacuum Gauge
8. Primary Filter/Water Separator
9. Vacuum Switch
10. Motor with Coupled Gear Pump
11. Pressure Gauge
12. Pressure Switch
13. Fuel Conditioner
14. Smart Filtration Controller
15. Fuel Outlet (Discharge)
16. Outlet Ball Valve
17. Flow Switch
18. Fine Filters
19. Pressure Gauge
20. Pressure Switch (Not Visible)
21. Leak Detector

## STS 7010 SYSTEM OPTIONS:

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

## STS SYSTEM INTEGRATION:



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