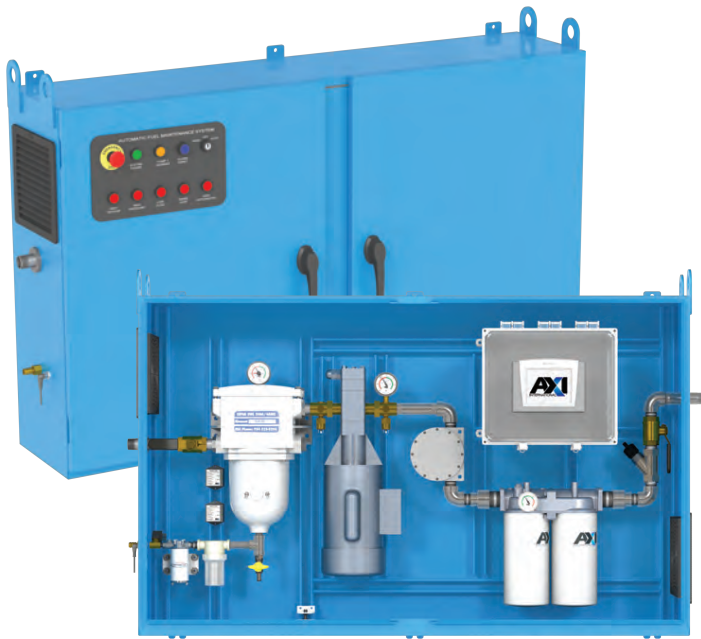




STS 7010

Enclosed Automated Fuel Maintenance Systems

The STS 7010 Programmable Automated Fuel Filtration System is designed to optimize and maintain diesel fuel indefinitely. Adding an STS 7010 system will remove particulate, separate water, and condition stored fuel. This innovative process stabilizes diesel and bio-fuels, eliminates microbial contamination, and ensures clean reliable fuel at all times. Generators and pumps operating in remote locations are ideal applications for STS 7010 systems.



◆ STS 7010 SPECIFICATIONS

Flow Rate (@60Hz)	10 GPM/600 GPH (37.9 LPM/2271 LPH)
Primary Filter/Water Separator	10 or 30µ Particulate or 60µ Stainless Steel Screen with Centrifugal Water Separator
Secondary Filter/Water Block	1, 3, 10 or 25µ Particulate or 3, 10µ Water Block
Fuel Conditioner	LG-X 3000 Inline Conditioner
System Controller	HMI PLC Controller with Touch-Screen and Remote Monitoring, Modbus, TCP/IP LAN and Internet Capability
Pump	3/4 HP Spur Gear Pump
Power	120V 60Hz 15A or 230V 50Hz 15A
Plumbing	Stainless Steel
Ports	1" NPT In 1" NPT Out
Enclosure Cabinet	NEMA 12 (IP55), 13 (IP65), 4 (IP66), and 4X (IP66) Powder Coat or Stainless Steel
Dimensions	37" x 60" x 12" (H x W x D) (94 x 152 x 30 cm)
Weight	≈ 520 lbs (235.9 kg)
Not for use with fluids that have a flash point below 100°F (37.8°C).	

◆ STS 7000 SERIES SAFETY FEATURES:

- Automatic Alerts
- Pump Shut Down When Filters Need Service
- Leak Detection
- Water Detection
- High Pump Vacuum
- High Pump Pressure
- Low Fuel Flow Alert
- Emergency Stop

◆ SMART FILTRATION CONTROLLERS:

- Modbus, TCP/IP, LAN and Internet Capability
- Email & SMS Maintenance Alert Capability
- Maintenance Alert Log File
- Runtime Totalizer
- Alarm History
- On-Screen Help

◆ STS 7010 FEATURE:

- Multi-stage Water Removal and Particulate Filtration
- NEMA 12,13, 4, 4X Powder Coated or Stainless Enclosure
- UL508A Smart Filtration Controller
- Stainless Steel Plumbing
- Optional Multi Tank Configuration Available (Up to 4 Tanks)



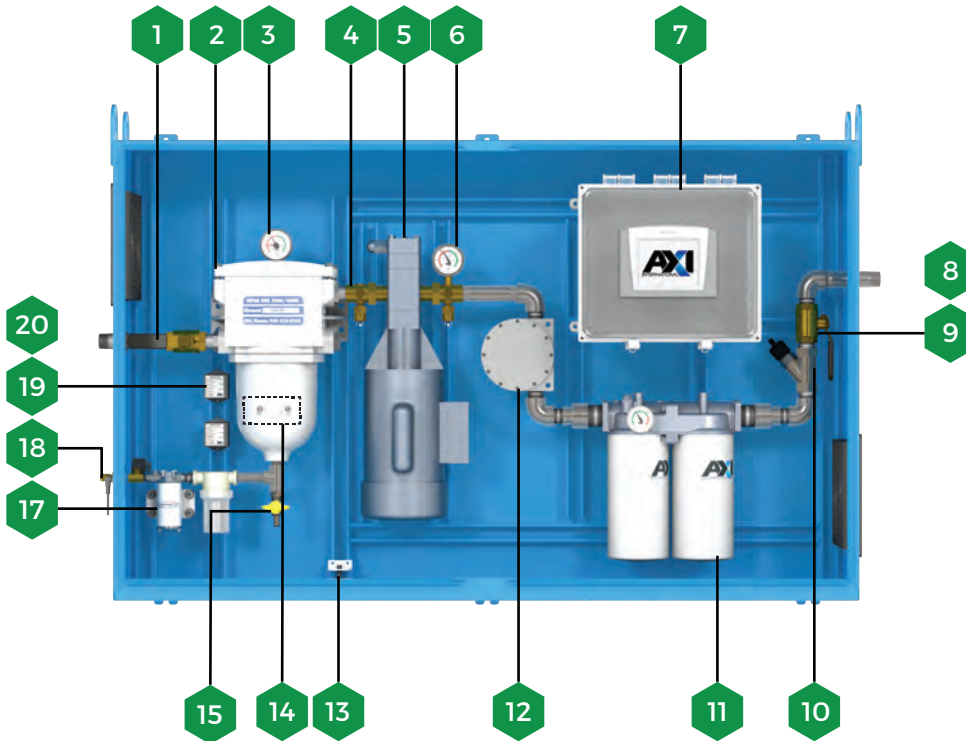
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1. Inlet Ball Valve
2. Pre Filter/Water Separator
3. Vacuum Gauge
4. Vacuum Switch
5. Pump
6. Pressure Switch with Gauge
7. Smart Filtration Controller
8. Fuel Outlet (Discharge)
9. Outlet Ball Valve
10. Flow Switch
11. Fine Filter
12. AXI Inline LG-X 3000 Conditioner
13. Leak Detector
14. Water Level Probes
15. Water Drain Valve
16. Auto Water Drain (Optional)
17. Waste Water Outlet (Optional)
18. WATECT Water Sensor
19. Fuel Inlet (From Tank)

STS 7010 OPTIONS

- AFC 705/710 Fuel Catalyst
- Automatic Water Drain System
- Stainless Steel Enclosure
- Cabinet Heater
- Cabinet Color Options
- Stand

REPLACEMENT FILTER OPTIONS

Pre Filter	Part No.	Fine Filter	Part No.
10 μ Filter Element	04010	3 μ Water Block Filter	WB-3
30 μ Filter Element	04030	10 μ Water Block Filter	WB-10
60 μ Filter Element	04060S	1 μ Fine Filter	FF-1
		3 μ Fine Filter	FFZ-3
		10 μ Fine Filter	FF-10
		25 μ Fine Filter	FF-25

STS SYSTEM INTEGRATION

