



STS 7040

Enclosed Automated Fuel Maintenance Systems

The STS 7040 Programmable, Enclosed Automated Fuel Filtration System is designed to optimize and maintain diesel fuel indefinitely. Adding an STS 7040 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 7040 systems.



STS 7040 SPECIFICATIONS

Flow Rate (@60Hz)	40 GPM/2400 GPH (151 LPM/9085 LPH)
Y-Strainer	20 Mesh
Mechanical Water Separator	Specific Gravity Separation and Particulate Removal
Primary Filter	1, 3, 10 or 25 μ Particulate or 3, 10 μ Water Block
Secondary Filter	1, 3, 10 or 25 μ Particulate or 3, 10 μ Water Block
Fuel Conditioner	LG-X 4000 Inline Conditioner
System Controller	HMI PLC Controller with Touch-Screen and Remote Monitoring, Modbus, TCP/IP LAN and Internet Capability
Pump	5 HP Internal Gear Pump
Power	480V 3ph 60Hz 15A or 230V 50Hz 15A
Plumbing	Stainless Steel
Ports	2" NPT In 2" NPT Out
Enclosure Cabinet	NEMA 12 (IP55), 13 (IP65), 4 (IP66), and 4X (IP66) Powder Coat or Stainless Steel
Dimensions	56" x 72" x 17" (H x W x D) (142 x 183 x 43 cm)
Weight	≈ 1005 lbs (455.9 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 7040 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)



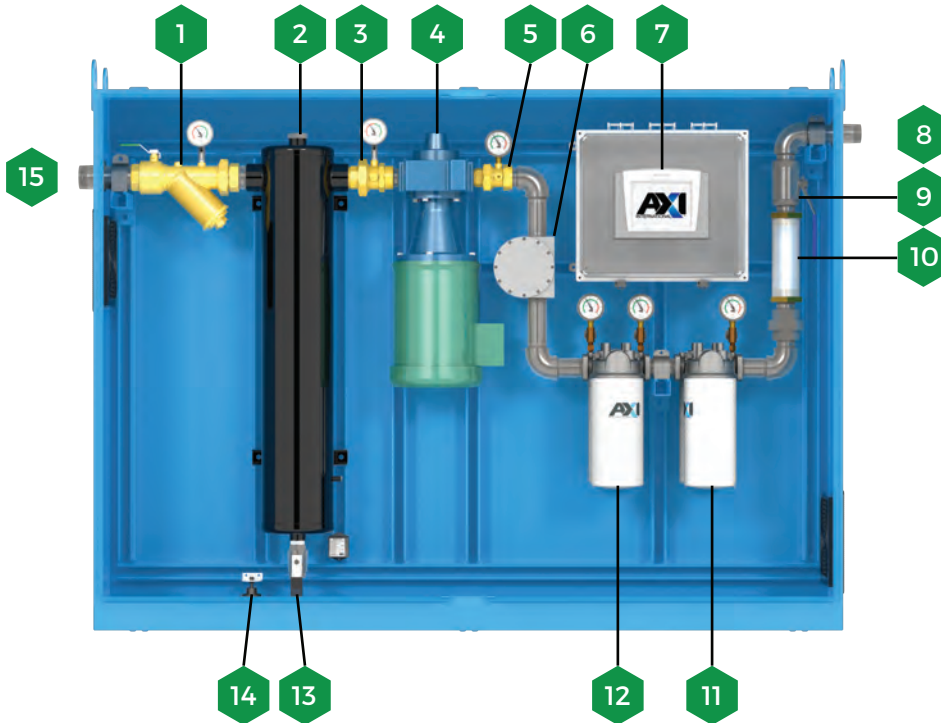
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1. Pre Filter
2. Mechanical Water Separator
3. Vacuum Switch
4. Internal Gear Pump
5. Pressure Switch
6. AXI Inline LG-X 4000 Conditioner
7. HMI Touchscreen Controller
8. Fuel Outlet (Discharge)
9. Outlet Ball Valve
10. Flow Switch with Sight Glass
11. Secondary Fine Filter
12. Primary Fine Filter
13. Water Drain Valve
14. Leak Detector
15. Fuel Inlet (From Tank)

STS 7040 OPTIONS

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

REPLACEMENT FILTER OPTIONS

Fine Filter	Part No.	Fine Filter	Part No.
3 μ Water Block Filter	WB-3	1 μ Fine Filter	FF-1
10 μ Water Block Filter	WB-10	3 μ Fine Filter	FFZ-3
		10 μ Fine Filter	FF-10

STS SYSTEM INTEGRATION

