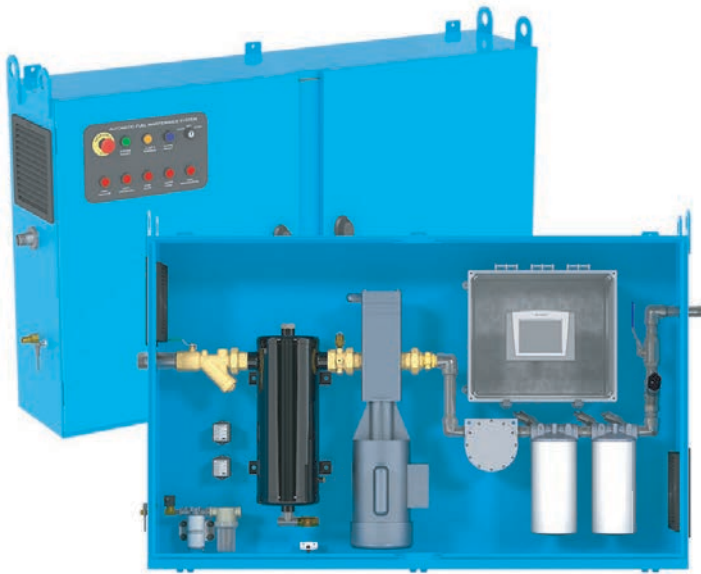




STS 7020

Enclosed Automated Fuel Maintenance Systems

The STS 7020 Programmable Automated Fuel Filtration System is designed to optimize and maintain diesel fuel indefinitely. Adding an STS 7020 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 7020 systems.



◆ STS 7020 SPECIFICATIONS

Flow Rate (@60Hz)	20 GPM/1200 GPH (75.7 LPM/4542 LPH)
Y-Strainer	20 Mesh
Mechanical Water Separator	Specific Gravity Separation and Particulate Removal
Fine Filters/ 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 1/2" 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 7020 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)



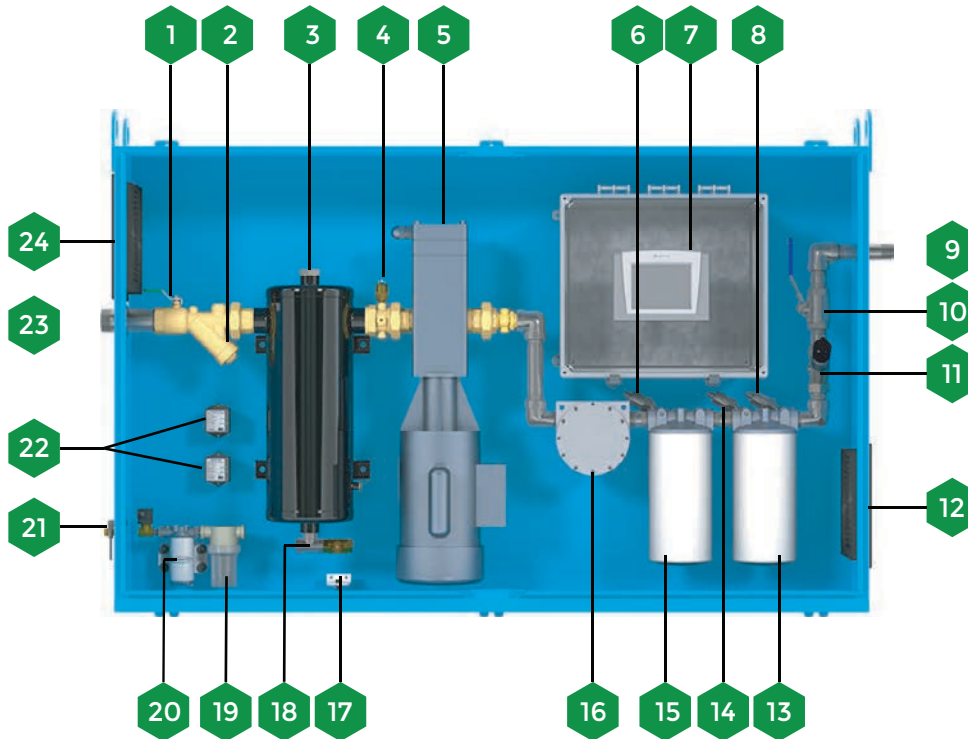
1.239.690.9589
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1. Inlet Ball Valve
2. Y-Strainer
3. Mechanical Water Separator
4. Vacuum Switch
5. Pump
6. Primary Fine Filter Pressure Switch
7. SMART Filtration Controller
8. Secondary Fine Filter Pressure Switch
9. Fuel Outlet (Discharge)
10. Outlet Ball Valve
11. Flow Switch
12. Ventilation Louver
13. Secondary Fine Filter
14. Differential Pressure Switch
15. Primary Fine Filter
16. AXI Inline LG-X 3000 Conditioner
17. Leak Detector
18. Water Drain Valve
19. Auto Water Drain Screen
20. Auto Water Drain Motor
21. Auto Water Drain (Optional)
22. WATECT Water Sensor
23. Fuel Inlet (From Tank)
24. Ventilation Louver

STS 7020 OPTIONS

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

REPLACEMENT FILTER OPTIONS

Waterblock 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
		25 μ Fine Filter	FF-25

STS SYSTEM INTEGRATION

