

# AXI STS 6010

INTERNATIONAL Enclosed Fuel Maintenance System

The STS 6010 is a programmable, fully automated, fuel maintenance system that removes water, sludge, and other contaminants from fuel storage tanks. Once installed, the STS 6010 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 6010 FEATURES:

- Smart Filtration 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 6010 is equipped with an automatic pump shut-down feature and alert indication to notify users of when the system requires servicing.

## ◆ STS 6010 SPECIFICATIONS:

Nominal Flow	10 GPM/600 GPH (38 LPM/2,271 LPH)
Rate Primary Filter	10 or 30 $\mu$ Particulate or 60 $\mu$ Stainless Steel Screen with Centrifugal Water Separator
Secondary Filters	1, 3, 10 or 25 $\mu$ Fine Filter or 3, 10 $\mu$ Water Block
Fuel Conditioner	LG-X 3000 Inline Magnetic Conditioner
Pump	3/4 HP Spur Gear Pump
System Controller	SFC70 Smart Filtration Controller with Safety and Alarm Features
Power	120V/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	$\approx$ 37" x 60" x 12" (H x W x D) (94 x 152 x 31 cm)
Weight	$\approx$ 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

## ◆ REPLACEMENT FILTER OPTIONS:

Primary Filter	Part No.	Secondary Filters	Part No.
10 $\mu$ Filter Cartridge	010103	10 $\mu$ Water Block Filter	WB-3
30 $\mu$ Filter Cartridge*	010301	10 $\mu$ Water Block Filter	WB-10
60 $\mu$ Filter Cartridge	01060S	3 $\mu$ Fine Filter*	FF-3
10 $\mu$ Fine Filter			FF-10
25 $\mu$ Fine Filter			FF-25
3 $\mu$ X-Glass Media Fine Filter			FFZ-3

\*Standard-issue filter element unless requested otherwise



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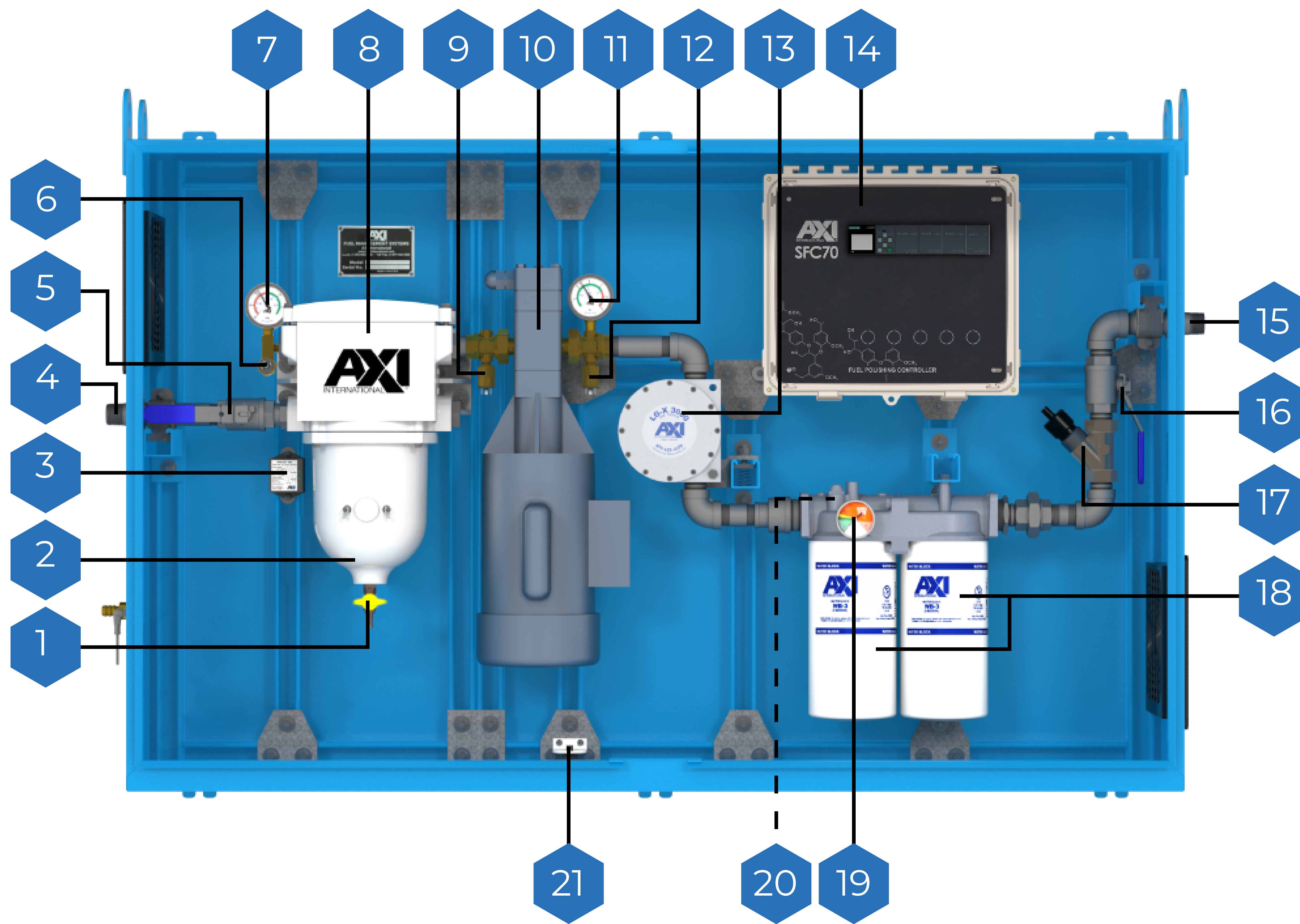
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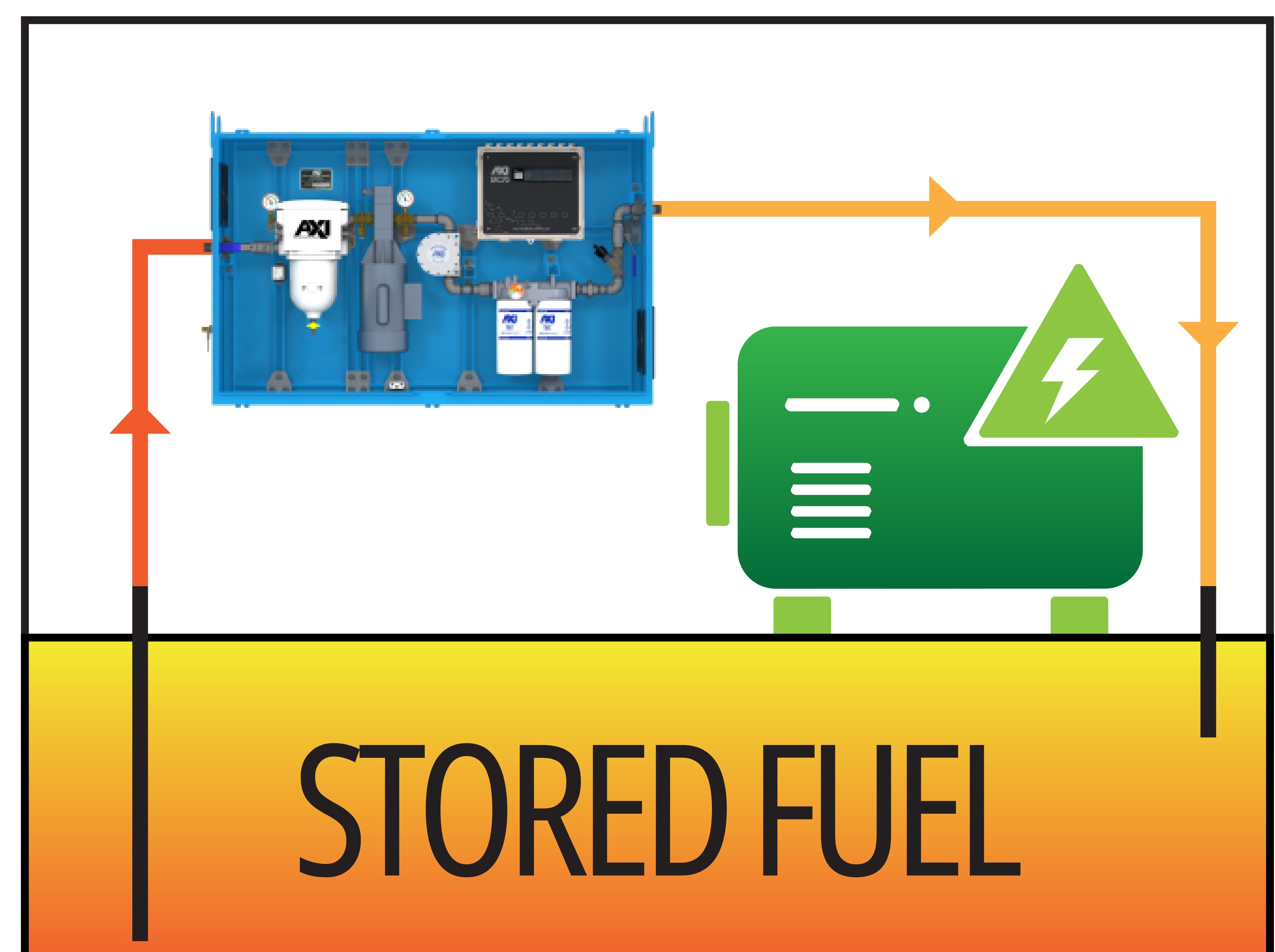
1. Drain Valve
2. Water Collection Sump
3. Water Detection Alarm Module
4. Fuel Inlet (From Tank)
5. Inlet Ball Valve
6. Vacuum Switch
7. Vacuum Gauge
8. Primary Filter/Water Separator
9. Vacuum Switch
10. Motor with Coupled Gear Pump
11. Pressure Gauge
12. Pressure Switch
13. Fuel Conditioner
14. Smart 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 6010 SYSTEM OPTIONS:

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

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

## STS SYSTEM INTEGRATION:



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