

AXI STS 7010

INTERNATIONAL Enclosed Fuel Maintenance System

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.



STX 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.

STX 7010 SPECIFICATIONS:

Nominal Flow	10 GPM/600 GPH (38 LPM/2,271 LPH)
Rate 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 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)

Not for use with fluids that have a flash point below 100°F (37.8°C).

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

REPLACEMENT FILTER OPTIONS:

Primary Filter	Part No.	Secondary Filters	Part No.
10µ Filter Cartridge	010103	µ Water Block Filter	WB-3
30µ Filter Cartridge*	010301	µ 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



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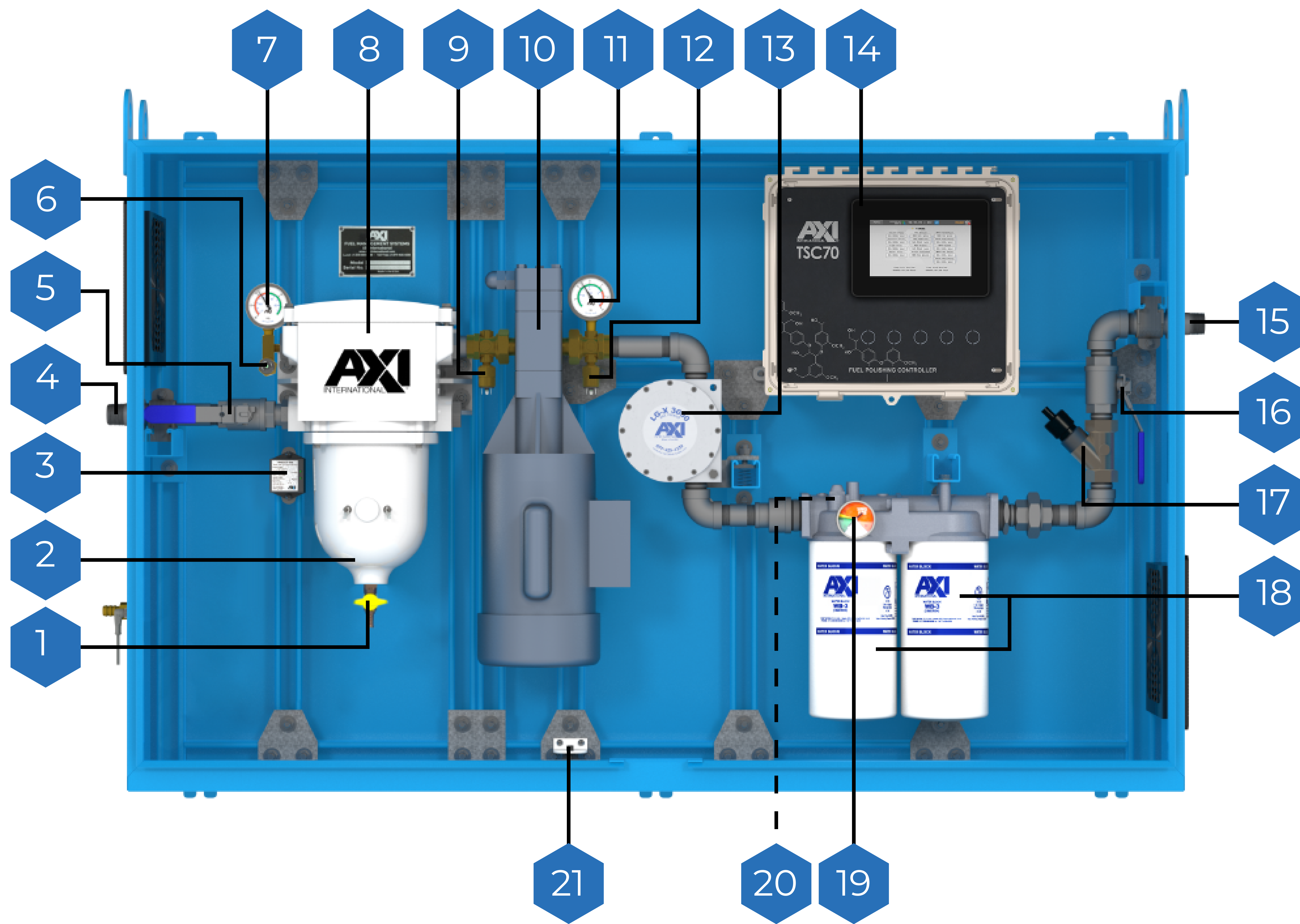
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STS 7010

Enclosed Fuel Maintenance System



- 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:

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

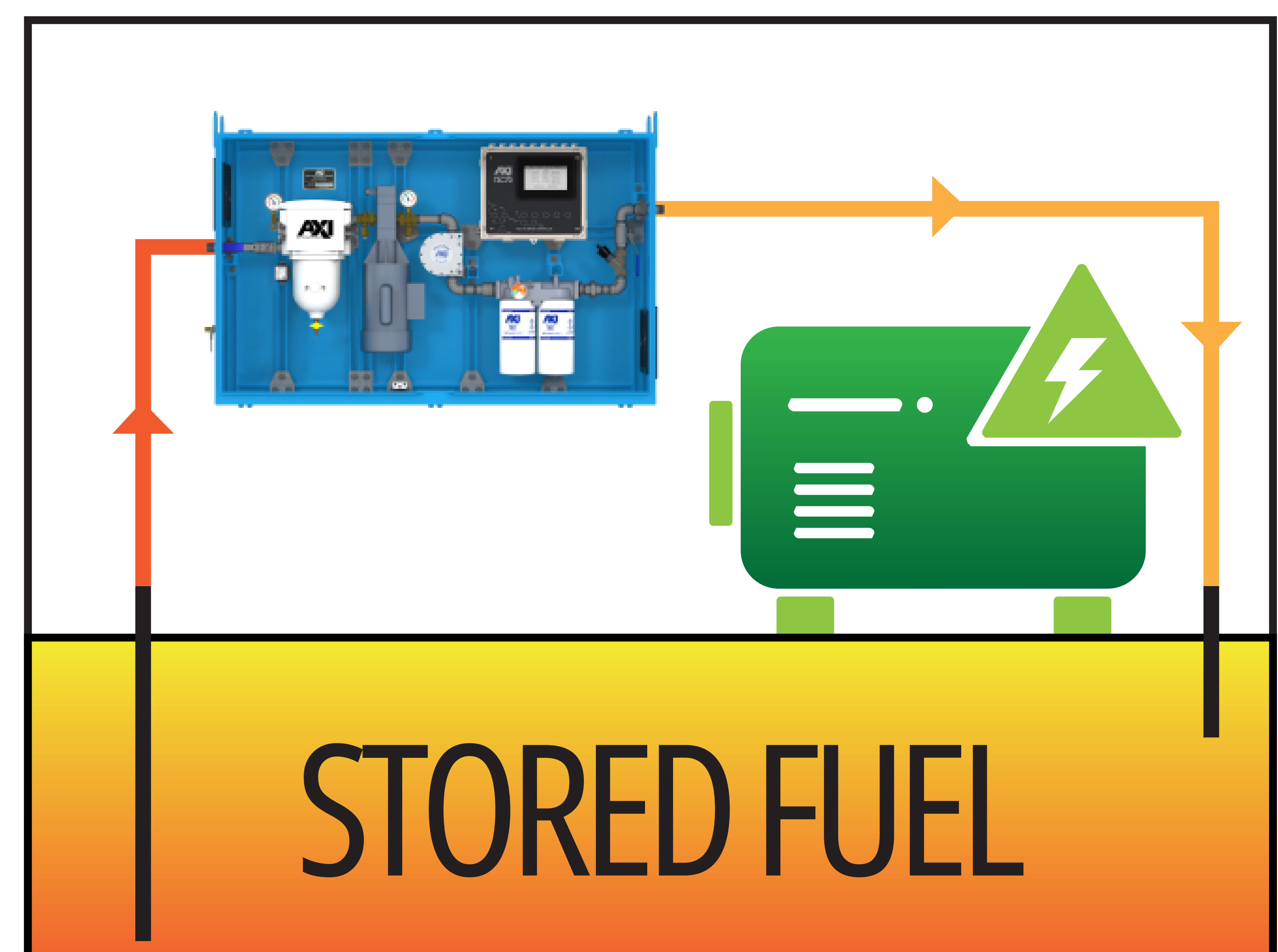
Multi-Tank Polishing/Transfer Polish and transfer fuel between multiple fuel storage tanks

Fuel Heater Warm up circulated fuel to resist gelling in freezing temperatures

Multi-Point Flow Path Add multiple supply and return valves for better tank cleaning coverage

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

STS SYSTEM INTEGRATION:



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