

# AXI FPS LX-F

INTERNATIONAL Compact Fuel Maintenance System

The FPS LX-F is a programmable, fully automated, fuel maintenance system that removes water, sludge, and other contaminants from fuel storage tanks. Once installed, the FPS LX-F system operates independently to ensure fuel reliability through routine fuel filtration. The system's fuel polishing process stabilizes diesel and bio-fuels, eliminating microbial contamination and ensuring the fuel remains clean. These compact fuel maintenance systems are specifically designed for permanent installations indoors, as well as confined spaces, such as inside gen-set enclosures or engine rooms.



FPS LX-F with upgraded TSC70 Touchscreen Controller

## FPS LX-F SYSTEM 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 FPS LX-F is equipped with an automatic pump shut-down feature and alert indication to notify users of when the system requires servicing.

## FPS LX-F SPECIFICATIONS:

Nominal Flow	10 GPM/600 GPH (38 LPM/2,271.3 LPH)
Rate Primary Filter	10 or 30 $\mu$ Particulate or 60 $\mu$ Stainless Steel Screen with Centrifugal Water Separator
Secondary Filter	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	Smart Filtration Controller with Safety and Alarm Features
Power	120V/60Hz/1Ph or 230V/50Hz/1Ph*
Plumbing	Black Iron
Ports	1" Equivalent JIC 37° Flare In 1" Equivalent JIC 37° Flare Out
Construction	Powder Coated Aluminum Back Plate
Dimensions	≈ 26" x 34" x 12" (H x W x D) (66 x 86 x 31 cm)
Weight	≈ 125 lbs (57 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:

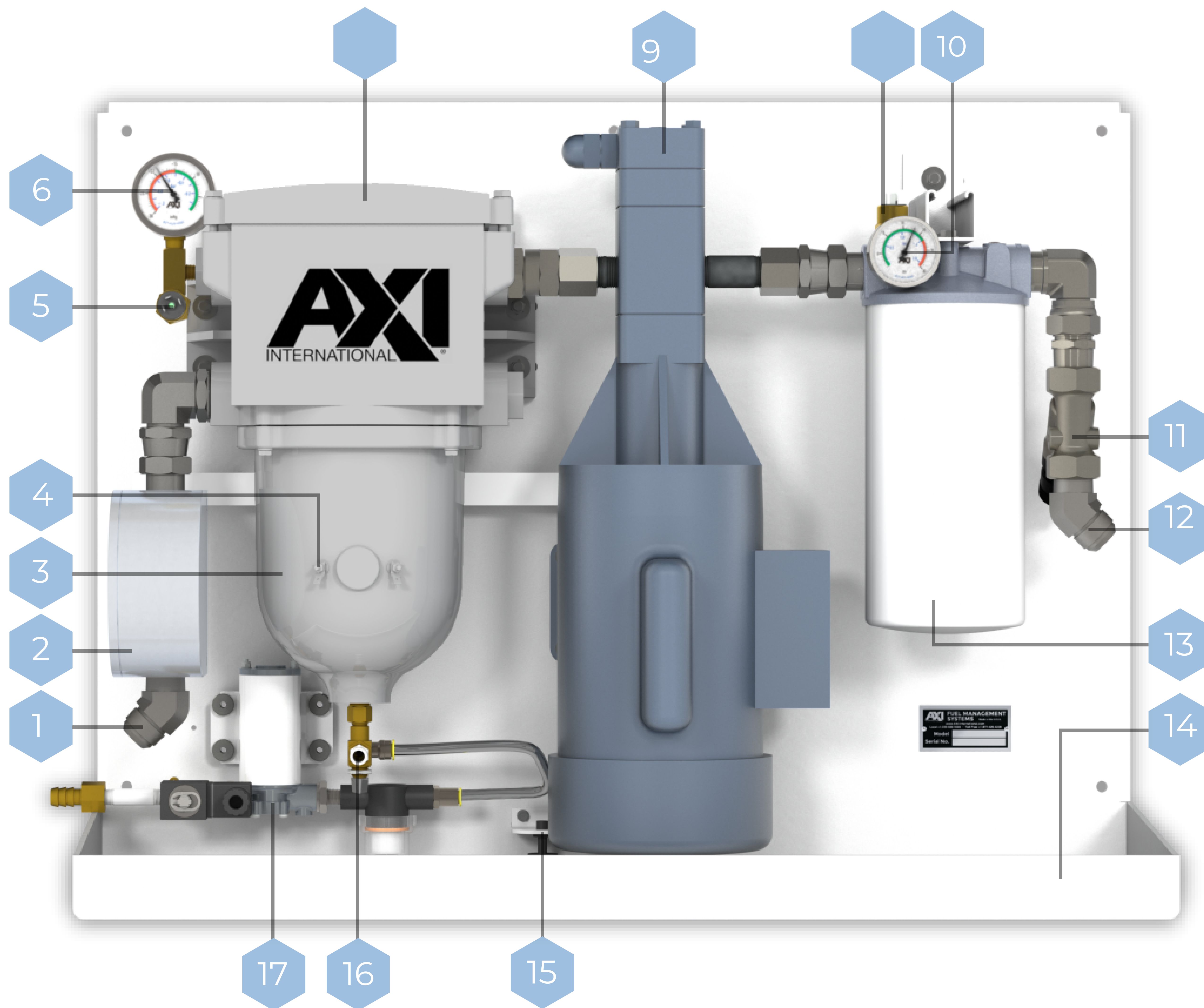
Primary Filter	Part No.	Secondary Filter	Part No.
10 $\mu$ Filter Cartridge	040103	3 $\mu$ Water Block Filter	WB-3
30 $\mu$ Filter Cartridge*	040301	10 $\mu$ Water Block Filter	WB-10
60 $\mu$ Filter Cartridge	04060S	3 $\mu$ Fine Filter*	FF-3
10 $\mu$ Fine Filter			FF-10
25 $\mu$ Fine Filter			FF-25
3 $\mu$ X-Glass Media Fine Filter			FFZ-3

\*Standard-issue filter element unless requested otherwise



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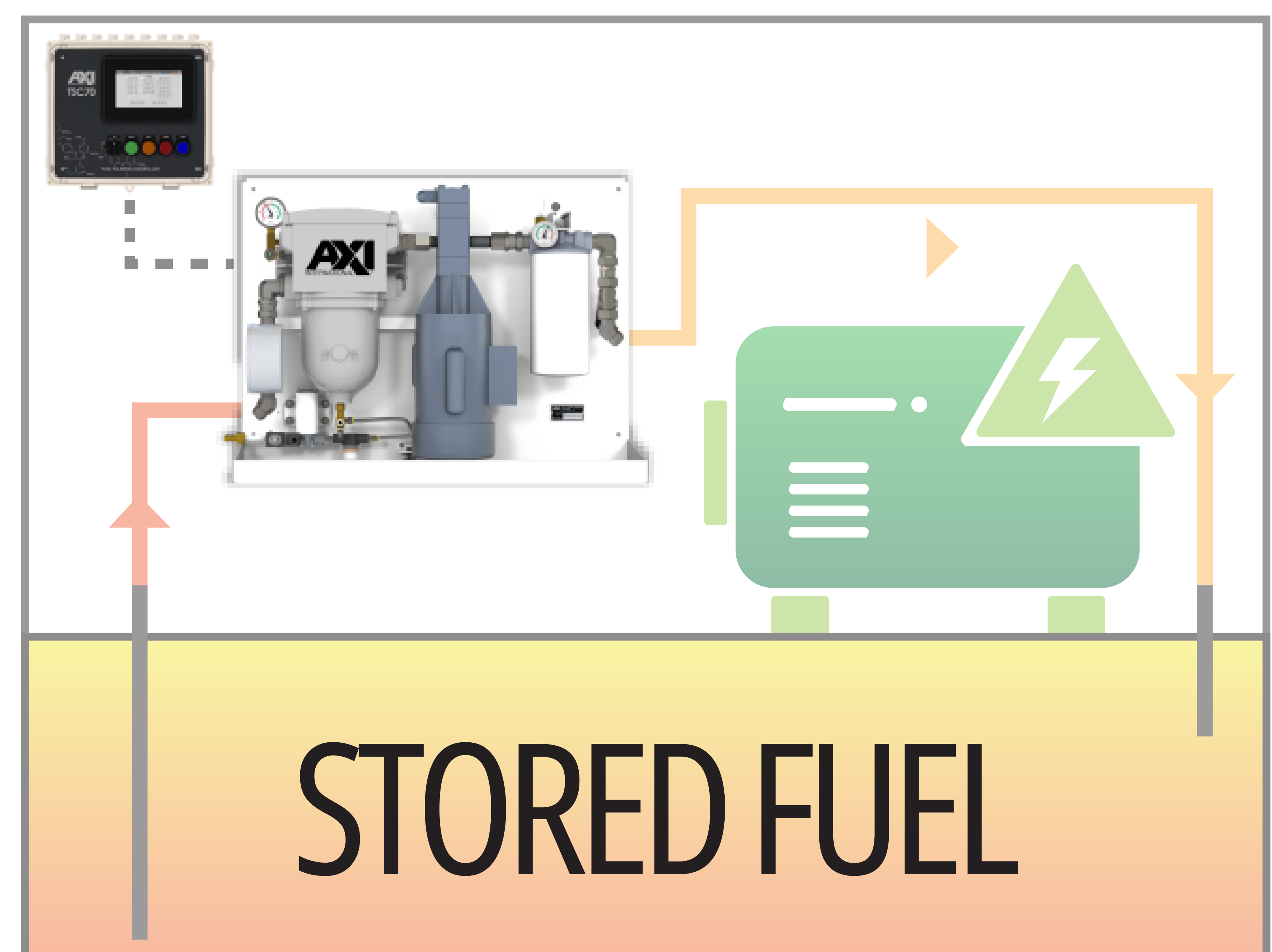
1. Fuel Inlet (From Tank)
2. Fuel Conditioner
3. Water Collection Sump
4. Water Level Sensors
5. Vacuum Switch
6. Vacuum Gauge
7. Primary Filter/Water Separator
8. Motor with Coupled Gear Pump
9. Pressure Switch
10. Pressure Gauge
11. Flow Switch
12. Fuel Outlet (To Tank)
13. Fine Filter
14. Drip Tray
15. Leak Detector
16. Manual Drain Valve
17. Auto Water Drain Assembly (Optional)

## FPS SYSTEM OPTIONS:

- Manual Additive** Manually draw additive into the polisher with a dedicated supply port and ball valve
- Auto Water Drain** Automatically drain water separator of collected (AWD) 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
- Multi-Point Flow Path** Add multiple supply and return valves for better tank cleaning coverage
- Fuel Heater** Warm up circulated fuel to resist gelling in freezing temperatures

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

## FPS SYSTEM INTEGRATION:



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www.AXI-International.com