

# AXI FPS MX-F

INTERNATIONAL Compact Fuel Maintenance System

The FPS MX-F is a programmable, fully automated, fuel maintenance system that removes water, sludge, and other contaminants from fuel storage tanks. Once installed, the FPS MX-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 MX-F with upgraded TSC70 Touchscreen Controller

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

## ◆ FPS MX-F SPECIFICATIONS:

Nominal Flow	4 GPM/240 GPH (15 LPM/984.2 LPH)
Rate Primary Filter	10 or 30µ Particulate or 60µ Stainless Steel Screen with Centrifugal Water Separator
Secondary Filter	3, 10 or 25µ Fine Filter or 3, 10µ Water Block
Fuel Conditioner	LG-X 1500 Inline Magnetic Conditioner
Pump	1/3 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	3/4" Equivalent JIC 37° Flare In 3/4" Equivalent JIC 37° Flare Out
Construction	Powder Coated Aluminum Back Plate
Dimensions	≈ 23" x 26" x 9" (H x W x D) (58 x 69 x 23 cm)
Weight	≈ 70 lbs (31.8 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 4 GPM to 3.2 GPM

## ◆ REPLACEMENT FILTER OPTIONS:

Primary Filter	Part No.	Secondary Filter	Part No.
10µ Filter Cartridge	0181	3µ Water Block Filter	WB-3
30µ Filter Cartridge*	0183	10µ Water Block Filter	WB-10
60µ Filter Cartridge	0186	0.3µ 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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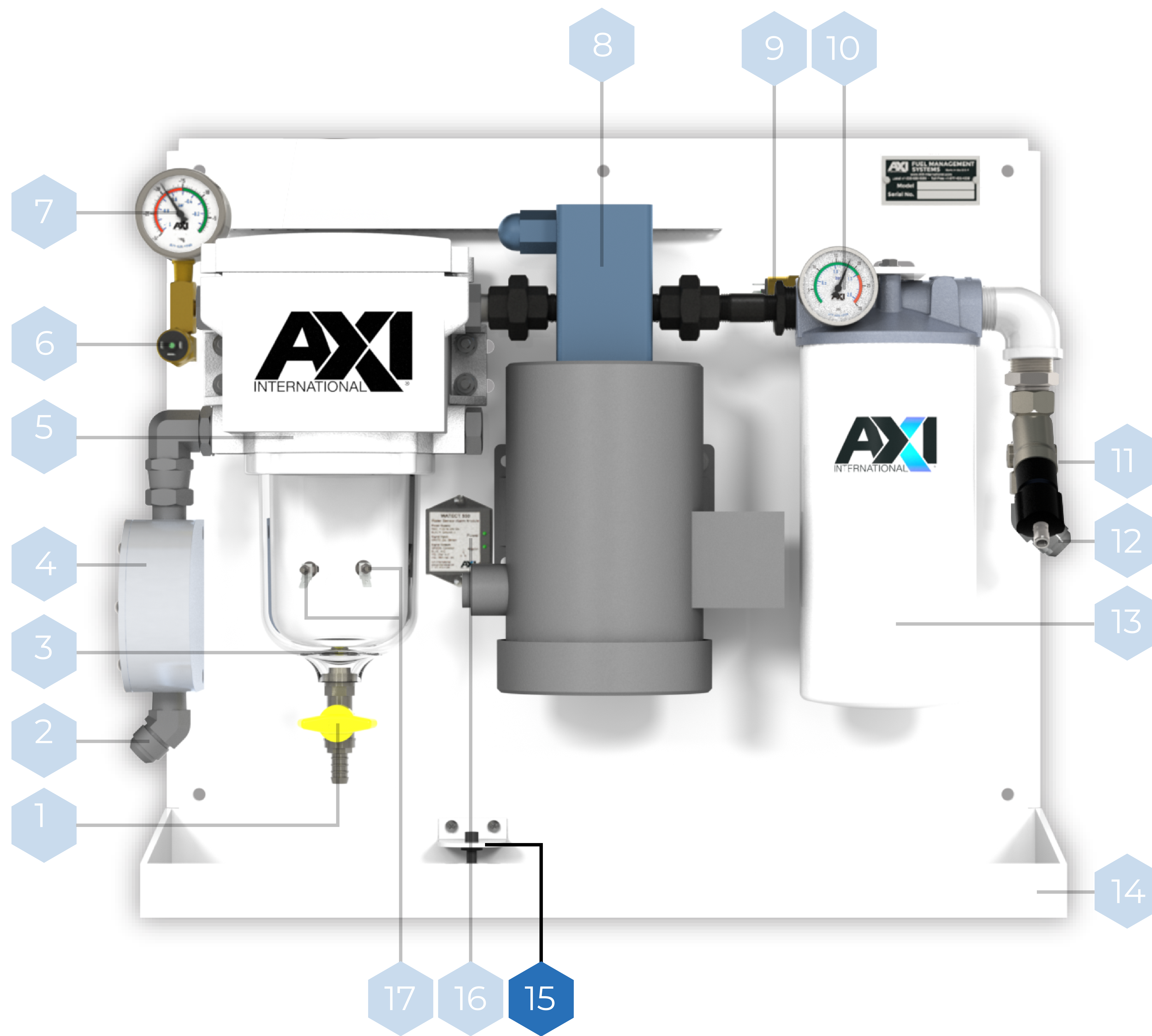
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Compact Fuel Maintenance System



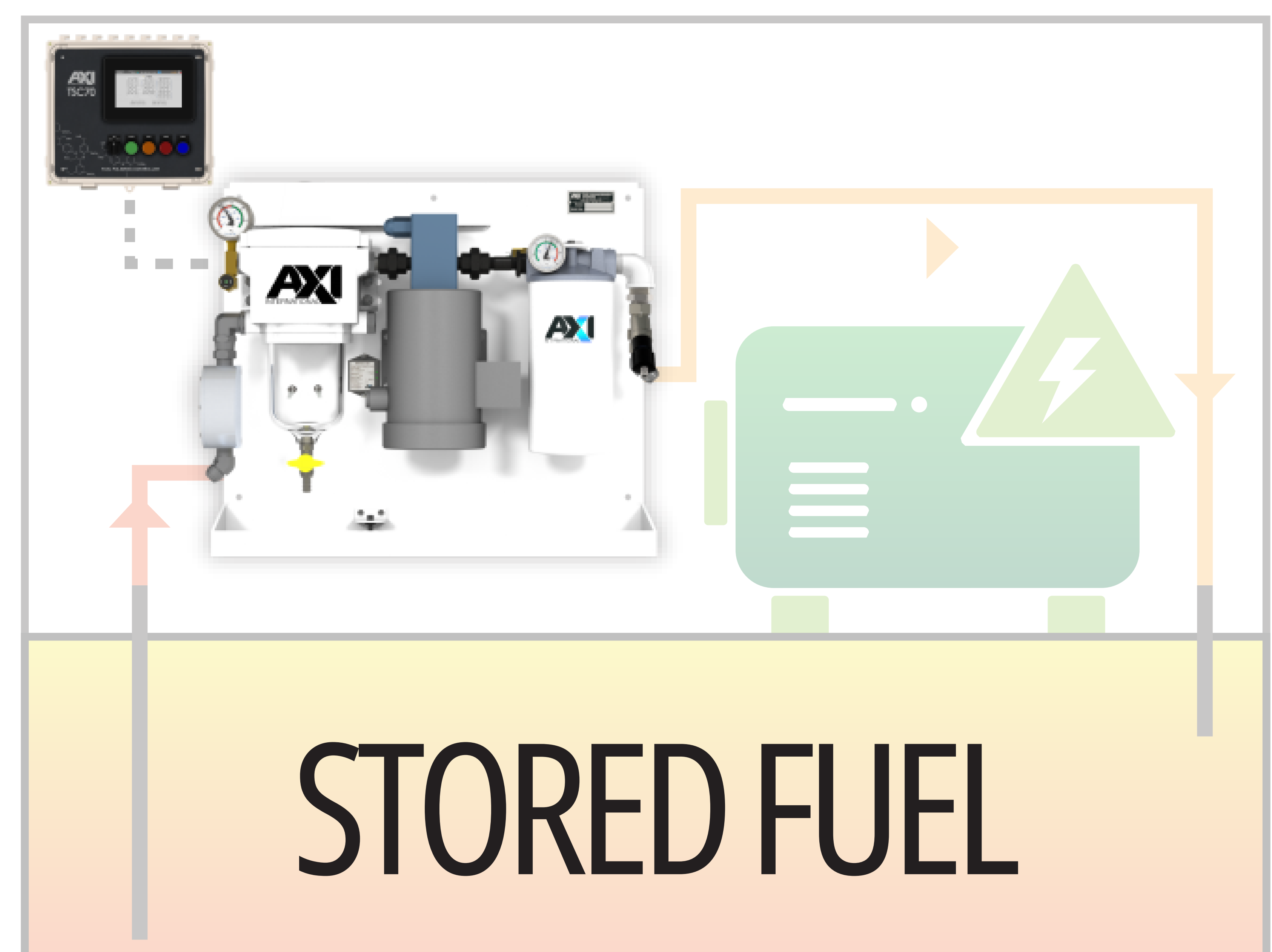
- 1. Drain Valve
- 2. Fuel Inlet (From Tank)
- 3. Water Collection Sump
- 4. Fuel Conditioner
- 5. Primary Filter/Water Separator
- 6. Vacuum Switch
- 7. Vacuum Gauge
- 8. Motor with Coupled Gear Pump
- 9. Pressure Switch
- 10. Pressure Gauge
- 11. Flow Switch
- 12. Fuel Outlet (To Tank)
- 13. Fine Filter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

## 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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