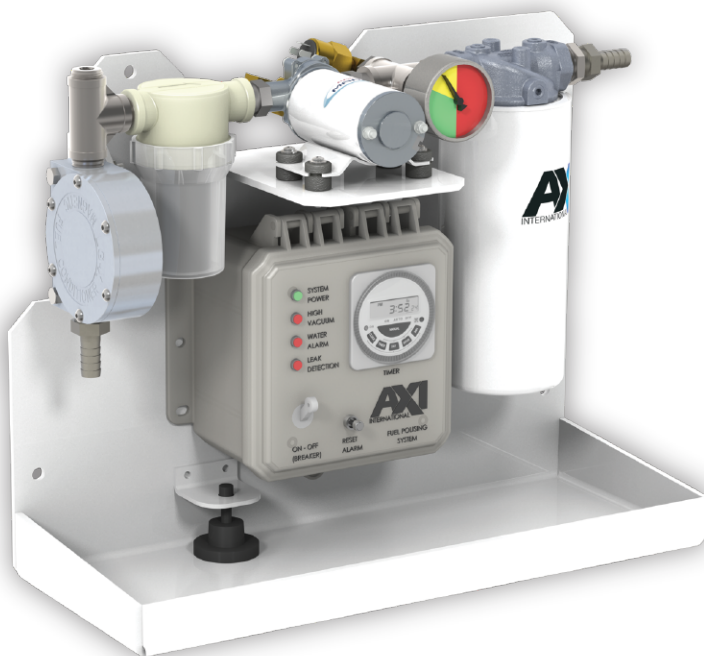# FPS DX-S
Compact Fuel Maintenance System

The FPS DX-S is a programmable, fully automated, fuel maintenance system that removes water, sludge, and other contaminants from fuel storage tanks. Once installed, the FPS DX-S 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 DX-S with standard-issue Smart Filtration Controller

FPS DX-S SYSTEM FEATURES:

- Smart Filtration Controller
- Fully Automated and Programmable Operation
- Unique Safety & Alarm Features
- Continuous-Duty Pump, Viton Seals

For safe operation, the FPS DX-S is equipped with an automatic pump shut-down feature and alert indication to notify users of when the system requires servicing.

FPS DX-S SPECIFICATIONS:

Nominal Flow Rate	1.3 GPM/80 GPH (5 LPM/302.8 LPH)
Primary Filter	10μ Fine Filter or 3μ Water Block
Secondary Filter	50 Mesh Basket Strainer
Fuel Conditioner	LG-X 500 Inline Magnetic Conditioner
Pump	Gear Pump
System Controller	Smart Filtration Controller with Safety and Alarm Features
Power	12V/DC/10A or 24V/DC/5A
Plumbing	Stainless Steel
Ports	1/2" Hose Barb In 1/2" Hose Barb Out
Construction	Powder Coated Aluminum Back Plate
Dimensions	≈ 15" x 18.5" x 7.5" (H x W x D) (38 x 47 x 19 cm)
Weight	≈ 20 lbs (9.7 kg)

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

REPLACEMENT FILTER OPTIONS:

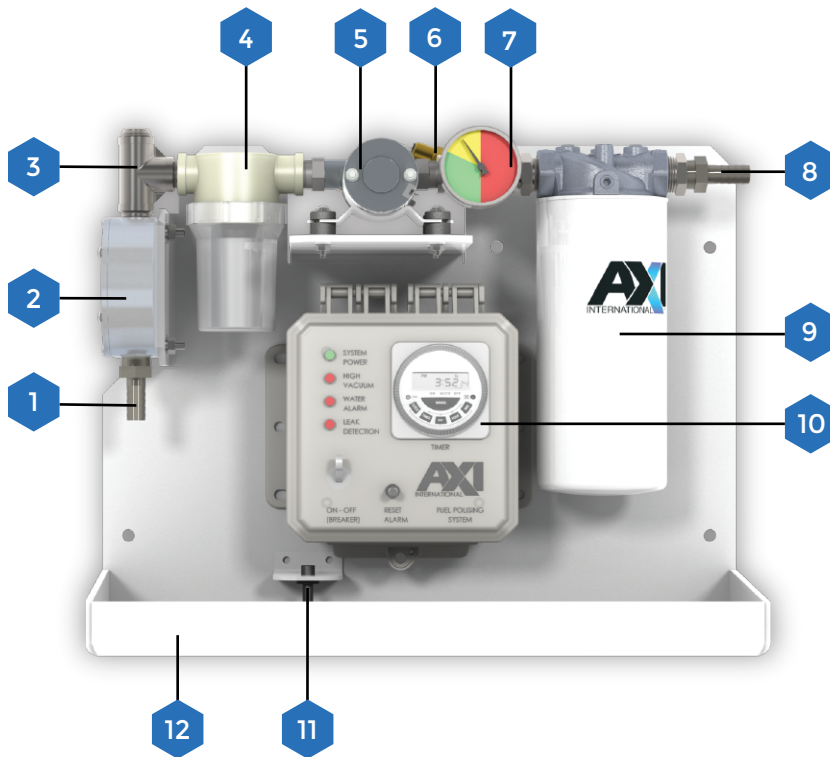| Primary Filter	Part No.	Strainer Basket	Part No.
10μ Fine Filter	FFS-10	15μ Water Block	TK-082
3μ Water Block Filter	WBS-3	40μ Stainless Steel	TK-083
		80μ Stainless Steel	TK-084

FPS DX-S
Compact Fuel Maintenance System

1. Fuel Inlet (From Tank)
2. Fuel Conditioner
3. Priming Tee
4. Basket Strainer
5. Motor with Coupled Gear Pump
6. Pressure Switch
7. Pressure Gauge
8. Fuel Outlet (To Tank)
9. Fine Filter
10. Smart Filtration Controller
11. Leak Detector
12. Drip Tray

FPS SYSTEM INTEGRATION:

CLEAN FUEL

DIRTY FUEL

STORED FUEL