

# AXI FPS DX-S

Compact Fuel Polishing Systems

AXI International's FPS DX-S system is a programmable, fully automated, fuel maintenance system designed to routinely filter water, sludge, and other contaminants from diesel and bio-fuels. The FPS DX-S system features a LG-X inline magnetic fuel conditioner for the collection of ferrous metals and a primary filter with mechanical water separation for the removal of sludge, particulates, and water. This fuel maintenance system's compact design is intended for permanent installations indoors, as well as confined spaces, such as inside gen-set enclosures or engine rooms.



Over time, stored fuel can begin to degrade and even harbor contaminants such as water, sediment, and microbes upon delivery. On-board fuel filters should last thousands of hours. However, frequent filter changes, tank cleaning, and fuel replacement have become common maintenance practices that only address the symptoms of poor fuel quality.

AXI International's FPS Systems serve to reverse and continually prevent fuel contamination to ensure reliable and uninterrupted engine performance.

## ◆ FPS DX-S SPECIFICATIONS

Nominal Flow Rate	1.3 GPM/80 GPH (5 LPM/302.8 LPH)
Primary Filter	10 $\mu$ Particulate Fine Filter or 3 $\mu$ Water Block
Strainer	50 Mesh Basket Strainer
Fuel Conditioner	LG-X 500 Inline Magnetic Conditioner
Pump	Gear Pump
System Controller	Smart Filtration Controller with Safety & 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)
<b>Not for use with fluids that have a flash point below 100°F (37.8°C).</b>	

## ◆ FPS DX-S SERIES FEATURE:

- Smart Filtration Controllers
- Fully Automated and Programmable Operation
- Integration with Vessel Monitoring Systems
- Modular "Plug & Play" Flexibility
- Unique Safety & Alarm Features
- Continuous-Duty Pumps, Viton Seals

For safe operation, the FPS DX-S is equipped with an automatic pump shut-down and indicators when filter elements require service. Also included are indicators for high pump vacuum, high water in bowl, and leak detection.



1.239.690.9589  
1.877.425.4239 Toll Free  
www.AXI-International.com

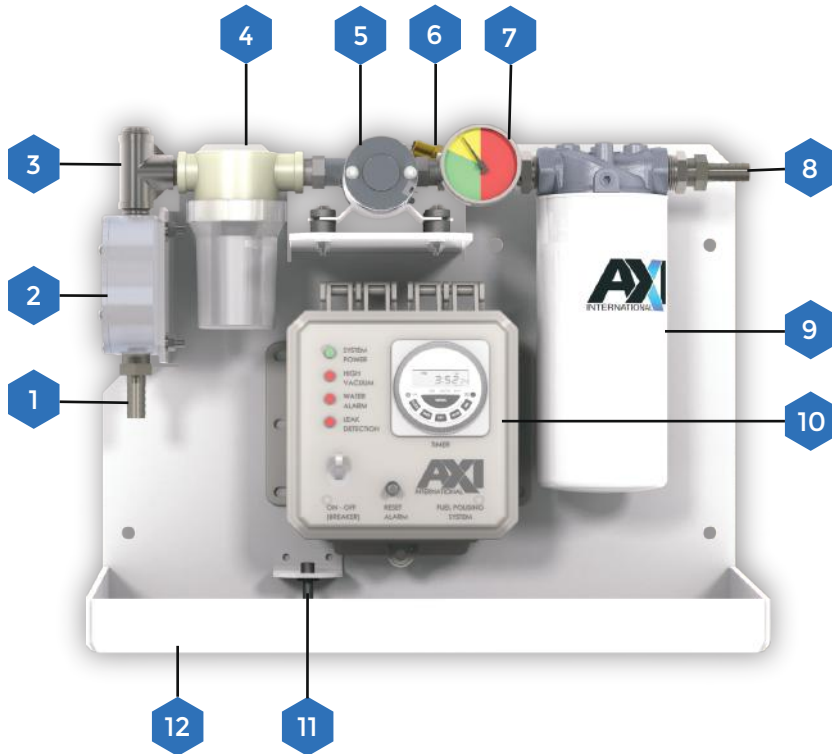
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1. Fuel Inlet (From Tank)
2. LG-X Inline Fuel Conditioner
3. Priming Tee
4. Basket Strainer
5. Motor with Coupled Gear Pump
6. Pressure Switch
7. Pressure Gauge
8. Fuel Outlet (To Tank)
9. Fine Filter
10. Smart Filtration Controller
11. Leak Detector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

### REPLACEMENT FILTER OPTIONS:

Spin-On Filter	Part No.	Strainer Basket	Part No.
10 $\mu$ Fine Filter	FFS-10	15 $\mu$ Water Block	TK-082
3 $\mu$ Water Block	WBS-3	40 $\mu$ Stainless Steel	TK-083
		80 $\mu$ Stainless Steel	TK-084

### FPS SYSTEM INTEGRATION:

