

# AXI FPS COMPACT

Compact Fuel Maintenance Systems

AXI International's FPS Compact 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 Compact 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 COMPACT SPECIFICATIONS:

|  |  |
|--|--|
| Nominal Flow Rate  | 1.3 GPM/80 GPH (5 LPM/302.8 LPH)   |
| Primary Filter / Water Separator   | 10 or 30µ Particulate or 60µ Stainless Steel Screen with Centrifugal Water Separator |
| Fuel Conditioner   | LG-X 500 Inline Magnetic Conditioner   |
| Pump   | Gear Pump  |
| Smart Filtration Controller  | Smart Filtration Controller with Safety & Alarm Features                             |
| Power  | 12VDC/10A or 24VDC/5A  |
| Plumbing   | Black Iron   |
| Ports  | 1/2" Hose Barb In<br>1/2" Hose Barb Out  |
| Construction   | Powder Coated Aluminum Back Plate  |
| Dimensions   | ≈ 14" x 10" x 8" (H x W x D)<br>(36 x 25 x 20 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 COMPACT FEATURES:

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

For safe operation, the FPS Compact 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

f AXI.International

t AXInternational

AXIFuel

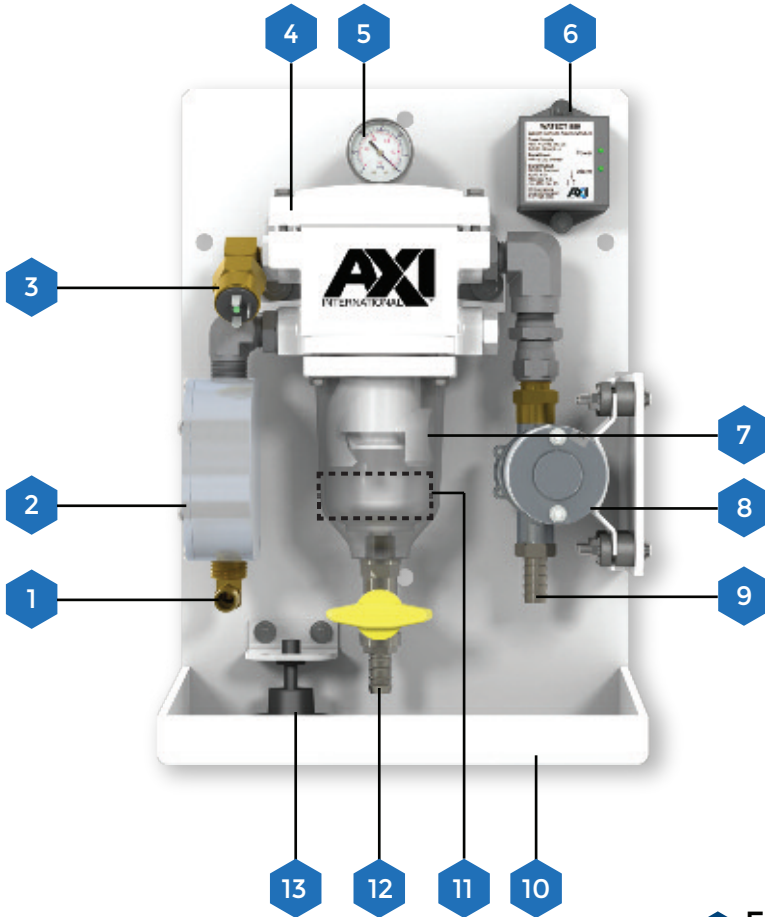
AXIFuel

REV0202COM010120



# FPS COMPACT

Compact Fuel Maintenance Systems

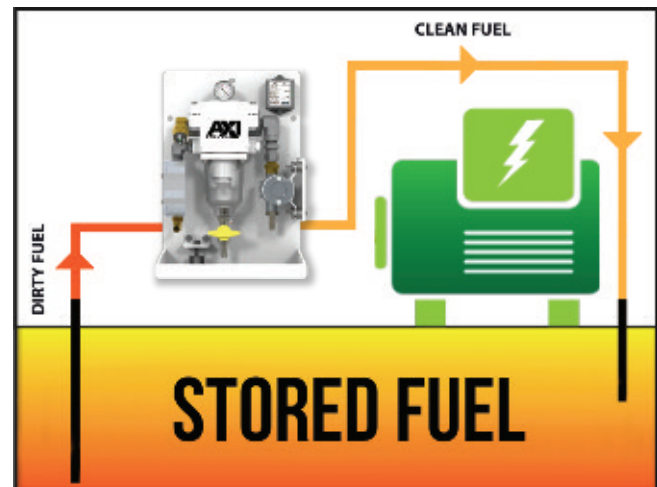


1. Fuel Inlet (From Tank)
2. LG-X Inline Fuel Conditioner
3. Vacuum Switch
4. Primary Filter/Water Separator
5. Vacuum Gauge
6. Water Detection Alarm Module
7. Water Collection Bowl
8. Motor with Coupled Gear Pump
9. Fuel Outlet (To Tank)
10. Drip Tray
11. Water Level Sensor
12. Water Drain
13. Leak Detector

## REPLACEMENT FILTER OPTIONS:

| Cartridge Filter                        | Part No. |
|---|----------|
| 10 $\mu$ Filter Element                 | 01010    |
| 30 $\mu$ Filter Element                 | 01030    |
| 60 $\mu$ Stainless Steel Filter Element | 01060S   |

## FPS SYSTEM INTEGRATION:



1.239.690.9589  
 1.877.425.4239 Toll Free  
[www.AXI-International.com](http://www.AXI-International.com)

AXI.International

AXInternational

AXIFuel

AXIFuel

REV0202COM010120