



# SFM 1080

Solar Powered Fuel Maintenance System

The SFM Series Solar Powered Intelligent Fuel Maintenance System is designed to optimize and maintain diesel fuel indefinitely by removing particulate and water in stored fuel. Powered by a solar panel and 12V DC battery, this innovative process stabilizes diesel and bio-fuels, eliminates microbial contamination, and ensures clean reliable fuel at all times. The SFM Series Solar Powered Intelligent Fuel Maintenance System is ideal for stored fuel in remote locations where grid power isn't readily available.



## SFM 1080 SPECIFICATIONS:

Flow Rate	1.3 GPM/80 GPH (5 LPM/302.8 LPH)
Primary Filter	50 Mesh
Secondary Filter	3 $\mu$ Water Block, 10 $\mu$ Fine Filter
Pump	Helical Spur Gear Pump
Power Source	50W Solar Panel
Power Output	12V DC 10A
System Controller	SMART Solar Controller
Plumbing	Stainless Steel
Fuel Conditioner	LGX-500
Port Size	1/2" In 1/2" Out
Dimensions (Enclosure)	20" x 16" x 8" (H x W x D) (51 x 41 x 20 cm)
Dimensions (Solar Panel)	21.5" x 22.5" (55 x 57 cm)
Weight (System)	~ 40 lbs (18.1 kg)
Weight (Solar Panel)	~ 10 lbs (4.5 kg)

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

## SFM SERIES FEATURE:

- Compact Industrial Lightweight Design
- SMART Solar Controllers
- Fully Automated Operation
- Unique Safety & Alarm Features
- Discreet Alarm Indicator Lights
- Continuous-Duty Pumps, Viton Seals
- NEMA Rated Weatherproof Enclosure

Fuel has a limited shelf-life, and even "fresh fuel" could contain water, sediment, and microbes upon delivery. With the extreme conditions stored fuel is commonly enduring, it is critical to ensure fuel is maintained on a regular basis.

SFM Systems reverse fuel deterioration while decontaminating, cleaning, and optimizing the fuel to ultra clean levels for ultimate reliability.

SFM Series Systems are designed around a self-priming 80 GPH nickel-plated brass gear pump. Quality filtration components are connected using corrosion-resistant Stainless Steel plumbing. A pressure gauge is installed on the filter housing to ensure optimal filter usage by showing remaining filter life. Available filter elements include stainless steel mesh filter, particulate, and water block elements.

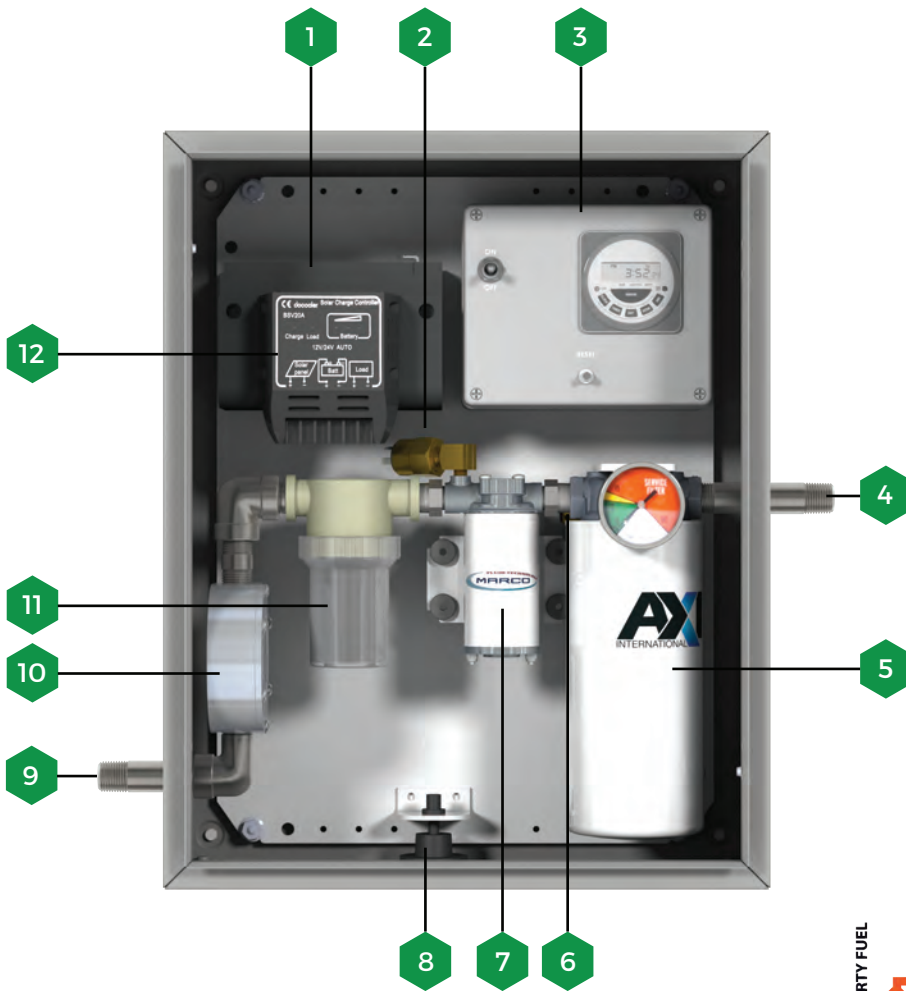


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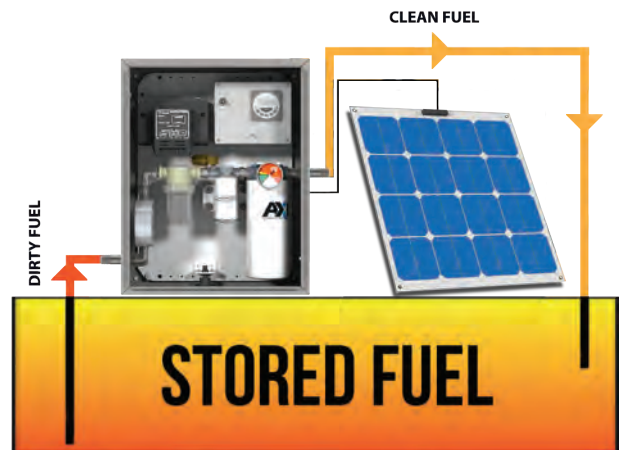
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# AXI SFM 1080

Solar Powered Fuel Maintenance System



1. System Battery
2. Vacuum Switch
3. SMART Solar Controller
4. Fuel Outlet (To Tank)
5. Fine Filter
6. Pressure Switch (Not Visible)
7. Helical Spur Gear Pump
8. Leak Detector
9. Fuel Inlet (From Tank)
10. AXI Inline LG-X 500 Conditioner
11. Pre-Filter Mesh
12. Battery Controller



## ◆ AFC 705/710 FUEL ADDITIVE

A unique and powerful broad spectrum concentrate for use in diesel, gasoline, bio-fuel, kerosene, and HFO. Benefits include:

- Extends Engine Life
- Extends Filter Life
- Removes/Prevents Carbon Build Up
- Prevents Corrosion
- Cleans Injection System
- Tier 4 Compliant (710 only)
- Stabilizes Fuel up to 12 mo.
- Added Lubricity
- Improves Combustion
- Lower Emissions
- Improves Fuel Economy

## ◆ SFM OPTIONS

- 10 $\mu$  Fine Filter
- 3 $\mu$  Water Block Filter
- System Stand
- Solar Panel Stand