

Keep diesel clean and avoid unexpected power loss or engine damage

Remove water, bacterial growth, and other particulate from diesel fuel to ensure engine reliability

Effectively manage the fuel quality in single or multiple storage tanks



The Marine Fuel Polishing System (FPS) features Separ Filter filtration to get rid of 99% of free water, bacterial growth, and other particulate in the diesel fuel tank. Such contaminants cause fuel systems wear and tear, engine failure, premature maintenance, and high repair costs.

The system is a key component of a clean fuel management plan and proper preventative maintenance. The control is designed to operate the system manually or on a weekly schedule, and triggers an audio/visual alarm and pump shutdown when service is required. It provides control over the fuel quality feeding diesel-powered equipment, and the operations that rely on it.

Basic Features

- Primary Filtration - Separ Filter 30 micron
- Manual or automatic weekly timer
- AC or DC system
- Powder coated aluminum wall-mountable base
- UL-508A control box
- Shutdown and alarm for water level and high vacuum

Optional Features

- Flow meter
- Magnetic fuel conditioner
- Basket strainer
- Y-strainer
- Isolation valves
- Tank selector valves
- Fuel primer FP-321
- Multiple tank option

Marine Fuel Polishing Systems and Options



Digital Control

Set a manual or automatic weekly schedule to run the system and maintain the fuel tank.



Touchscreen Control

Set a manual or weekly schedule, and available with more automated options (e.g. multiple tank control).

Model	Nominal Flow Rate	Recommended Tank Sizes
FPS-80	80 GPH (303 LPH)	0 - 400 Gallons
FPS-150	150 GPH (568 LPH)	300 - 1,000 Gallons
FPS-210	210 GPH (795 LPH)	1,000 - 5,000 Gallons

To order the model, build part #:

- 20 -

Code	System
18	FPS-80
19	FPS-150
21	FPS-210

Code	Voltage
01	12V DC (FPS-80 and FPS-150 only)
02	24V DC (FPS-80 and FPS-150 only)
03	110V AC 60Hz (FPS-210 only)
04	220V AC 50Hz (FPS-210 only)

Code	Control
02	Digital
03	Touchscreen

Flow Meter

Displays flow rate and total gallons processed.

Part #	Description
40-1070	Flow Meter FPS-80
40-1071	Flow Meter FPS-150
40-1072	Flow Meter FPS-210

Magnetic Fuel Conditioner

Removes ferrous metals in the fuel.

Part #	Description
40-3234	Magnet FPS-80
40-2334	Magnet FPS-150
40-2335	Magnet FPS-210

Basket Strainer

Prefilter 100 micron mesh to remove large particles, and extend life of the element. Stainless steel.

Part #	Description
40-1080	Basket Strainer FPS-80
40-1081	Basket Strainer FPS-150
40-1082	Basket Strainer FPS-210

Y-Strainer

Prefilter 100 micron mesh to remove large particles, and extend life of the element. Stainless steel.

Part #	Description
40-1180	Y-Strainer FPS-80
40-1181	Y-Strainer FPS-150
40-1182	Y-Strainer FPS-210

Isolation Valves

On/off manual ball valves to isolate the system. Requires 2pcs per system. Stainless steel.

Part #	Description
40-1061	Isolation Valves for FPS-80
40-1062	Isolation Valves for FPS-150
40-1063	Isolation Valves for FPS-210

Solenoid Valves

Automatic valves to isolate the fuel system for service. Requires 2pcs per system. Touchscreen required.

Part #	Description
40-1161	Solenoid Valves FPS-80
40-1162	Solenoid Valves FPS-150
40-1163	Solenoid Valves FPS-210

Tank Selector Valves

3 Way ball valve that allows one system to manage two separate fuel tanks.

Part #	Description
40-1110	3 Way Valve kit for FPS-80
40-1111	3 Way Valve kit for FPS-150
40-1112	3 Way Valve kit for FPS-210

Fuel Primer FP-321

Electric primer to assist in initial or re-priming of the system.

Part #	Description
25-2974-01-03	FP-321-L-12-15 Industrial Version V2.1
25-2974-01-04	FP-321-L-12-22 - Industrial Version V2.1
25-2974-02-03	FP-321-L-24-15 Industrial Version V2.1
25-2974-02-04	FP-321-L-24-22 - Industrial Version V2.1

Multiple Tank Option

One FPS automatically cycle between 2, 3, or 4 fuel tanks. Touchscreen required.

- How many tanks?
- Tank size?
- Frequency of tank use? How often do you turnover the fuel in the tank? How are you using the fuel?
- Solenoid valves included.
- Diagram information required for the tanks' locations and distance between the tanks.
- New installation or existing one?

To order, build part #:

40 - 104 -

Code	Quantity of Tanks
02	2 Tanks
03	3 Tanks
04	4 Tanks

Code	System
0	FPS-80 Touchsreen
1	FPS-150 Touchsreen
2	FPS-210 Touchsreen
3	FPS-600 Touchsreen
4	FPS-2000 Touchsreen

Version: 12/4/2020