

AFS Series: Absolute Filtration Systems

Njord Fuel Filtration Systems

Njord automatic Fuel Filtration Systems are recommended for use in Continuous Power, Emergency Power and Home Based Tank setups at for instance mining sites, transportation and other industrial companies.



AFS-7000 Diesel Filtration System

Key Features:

- Automated filtration controller with week clock
- Plug & Play system
- Water, filter, flow and leak alarms
- Absolute filtration in second filter
- Two step water separation
- Fuel Conditioner to stop micro-organism growth and stabilize fuel
- Fuel Quality required for Common Rail engines
- Powder coated or stainless steel 316 cabinets
- Stainless steel plumbing
- Optional auto water drain
- Optional Multi Tank Control
- Remote monitoring ready

Each fuel tank is its own biosphere. Diesel fuel is naturally unstable and forms sediments over time. As water enters the tank with the consumption of fuel, micro-organism contamination is always a threat. The drastic reduction of sulfur and addition of bio-components to diesel fuel in recent years have further reduced shelf life and increased fuel related headaches. To make sure your engines or burners run reliably and efficiently on (bio)diesel, it is strongly recommended to install a fuel filtration system on each fuel tank.

To bring and keep the fuel in spec and meet the engine manufacturers' fuel cleanliness requirements, it is essential to keep water below 70 ppm and reach at least an 18-16-13 ISO 4406:1999 particle size distribution. Multi-pass filtration with a water absorber and absolute filter elements with a high Beta ratio for filtration below 5 micron are required. This is realized using the Njord automatic Fuel Filtration Systems running in a parallel recirculation loop to the fuel tank.

AFS-Series Absolute Diesel Filtration Systems Specifications:

	AFS-900	AFS- 1350	APS- 3000	AFS-4000	AFS-7000	AFS-12000
Flow rate	900 lph	1350 lph	3000 lph	4000 lph	7000 lph	12000 lph
Ports	¾" BSP in and out	¾" BSP in and out	1" BSP in + out	BSP: 1,5" in and out	BSP: 2" in; 1,5" out	BSP: 2,5" in; 2" out
Primary filter	10 or 30 µ	10 or 30 µ	10 or 30 µ	2 or 4 µ absolute	2 or 4 µ absolute	2 or 4 µ absolute
Internal Gear Pump	yes	yes	yes	yes	yes	yes
Secondary Filter	2 µ absolute	2 µ absolute	2 µ absolute	1, 5, 10 or 25 µ	1, 5, 10 or 25 µ	1, 5, 10 or 25 µ
Filter	water block	water block	water block	coalescer / separator	coalescer / separator	coalescer / separator
Fuel Conditioner	NFC-1500	NFC-1500	NFC-3000	NFC-3000	NFC-4000	NFC-5000
Plumbing	Stainless Steel 316	Stainless Steel 316	Stainless 316	Stainless Steel 316	Stainless Steel 316	Stainless Steel 316
Comfort Filtration Controller	yes	yes	yes	yes	yes	yes
Power	110 VAC 60 Hz or 220 VAC 50 Hz 10A	110 VAC 60 Hz or 220 VAC 50 Hz 12A	111 VAC 60 Hz or 221 VAC 50 Hz 14A	110 VAC 60 Hz or 220 VAC 50 Hz 15A	110 VAC 60 Hz or 220 VAC 50 Hz 20 A	400 VAC 50 or 60 Hz 20 A
Cabinets	IP-54 or higher NEMA 12,13,4	IP-54 or higher NEMA 12,13,4	IP-54 or higher NEMA 12,13,4	IP-54 or higher NEMA 12,13,4	IP-54 or higher NEMA 12,13,4	IP-54 or higher NEMA 12,13,4
Dimensions	H 800, W 1224 D 290 mm	H 800, W 1224 D 290 mm	H 800, W 1224 D 290 mm	H 1000, W 1380 D 330 mm	H 1000, W 1380 D 330 mm	H 1000, W 1580 D 600 mm
Weight	75 kg	85 kg	95 kg	200 kg	220 kg	350 kg
Certifications	CE	CE	CE	CE	CE	CE