

Njord Fuel Polishing Systems – AC Voltage

Njord automatic Fuel Filtration Systems are recommended for use on board yachts that have 110 or 230 Volt AC available. They can also be used for industrial Fuel Polishing applications inside a building



Key Features:

- Automated filtration controller with week clock
- Plug & Play system
- 110 VAC at 60 Hz or 230 VAC at 50 Hz power requirement
- 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
- Stainless steel plumbing
- Remote monitoring ready

APS-900-DC and APS-900-F-DC with filtration controller

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 through the air pipe, 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 generators run reliably and efficiently on (bio)diesel, it is strongly recommended to install a fuel polishing system on board.

To bring and keep the fuel in spec and meet the engine manufacturers' fuel cleanliness requirements, it is essential to keep water content 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 Polishing Systems running in a parallel recirculation loop to the fuel tank. The system can then also be used to transfer clean fuel from one tank to another.

Next to the use of Fuel Polishing Systems we recommend to place a Njord Fuel Conditioner in front of each primary filter and thereby diesel consumer.

APS-AC Series Absolute Diesel Polishing Systems Specifications:

	APS-900	APS-900-F	APS- 1350	APS- 1350-F	APS- 3000	APS- 3000-F	APS-4000	APS-4000-F	APS-7000	APS-7000-F
Flow rate	900 lph	900 lph	1350 lph	1350 lph	3000 lph	3000 lph	4000 lph	4000 lph	7000 lph	7000 lph
Ports	34" BSP in + out	34" BSP in + out	34" BSP in + out	34" BSP in + out	1" BSP in + out	1" BSP in +out	BSP: 11/2" in + out	BSP: 11/2" in + out	BSP: 2" in; 11/2" out	BSP: 2" in; 11/2" ou
Primary filter	10 or 30 μ	10 or 30 μ	10 or 30 μ	10 or 30 μ	10 or 30 μ	10 or 30 μ		1, 5, 10 or 25 µ		1, 5, 10 or 25 µ
nternal Gear Pump	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Secondary Filter		2 μ absolute water block		2 μ absolute water block		2 μ absolute water block	1, 5, 10 or 25 µ coalescer / separator			
Fuel Conditioner	NFC-1500	NFC-1500	NFC-1500	NFC-1500	NFC-3000	NFC-3000	NFC-3000	NFC-3000	NFC-4000	NFC-4000
Plumbing	Stainless 316	Stainless 316	Stainless 316	Stainless 316	Stainless 316	Stainless 316	Stainless 316	Stainless 316	Stainless 316	Stainless 316
Comfort Filtration Controller	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Power	110 VAC 60 Hz	110 VAC 60 Hz	110 VAC 60 Hz	110 VAC 60 Hz	110 VAC 60 Hz	110 VAC 60 Hz	110 VAC 60 Hz	110 VAC 60 Hz	110 VAC 60 Hz	110 VAC 60 Hz
	or	or	or	or	or	or	or	or	or	or
	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz	220 VAC 50 Hz
	10A	10A	12A	12A	15A	15A	15A	15A	20 A	20 A
	H 600, W 400	H 600, W 600	H 650, W 500	H 650, W 720	H 660, W 600	H 660, W 860	H 660, W 550	H 660, W 850	H 760, W 550	H 760, W 850
	D 190 mm	D 190 mm	D 240 mm	D 240 mm	D 240 mm	D 240 mm	D 260 mm	D 260 mm	D 260 mm	D 260 mm
Weight	22 kg	24 kg	34 kg	36 kg	44 kg	46 kg	82 kg	98 kg	110 kg	130 kg
Certifications	CE	CE	CE	CE	CE	CE	CE	CE	CE	CE
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