



MAXIMUM PROTECTION
AND PERFORMANCE



GUARANTEEING RELIABILITY FOR EMERGENCY POWER FUEL SYSTEMS

Njord provides you with the equipment and tools
to get in control of your fuel management again



NJORD FILTRATION - MANAGEMENT & CONTROL OF YOUR FUEL

Njord Filtration is a Dutch company that supplies a wide range of products and systems targeted at bringing and keeping all fuel in optimal condition. Because we also clean tanks ourselves and install our own systems under world class environmental guidelines, we know first hand how well our systems perform in the field. Therefore, our systems are updated regularly with state of the art technology to address the ever more strict fuel quality, environmental and connectivity requirements.

FUEL CONTAMINATION: THE WEAK LINK IN YOUR OPERATIONS

As the fuel settles in about 2 hours after filling the tank, water and heavier particulate will accumulate at the tank bottom in ALL tanks, and more tank fillings will add even more water and sediment.

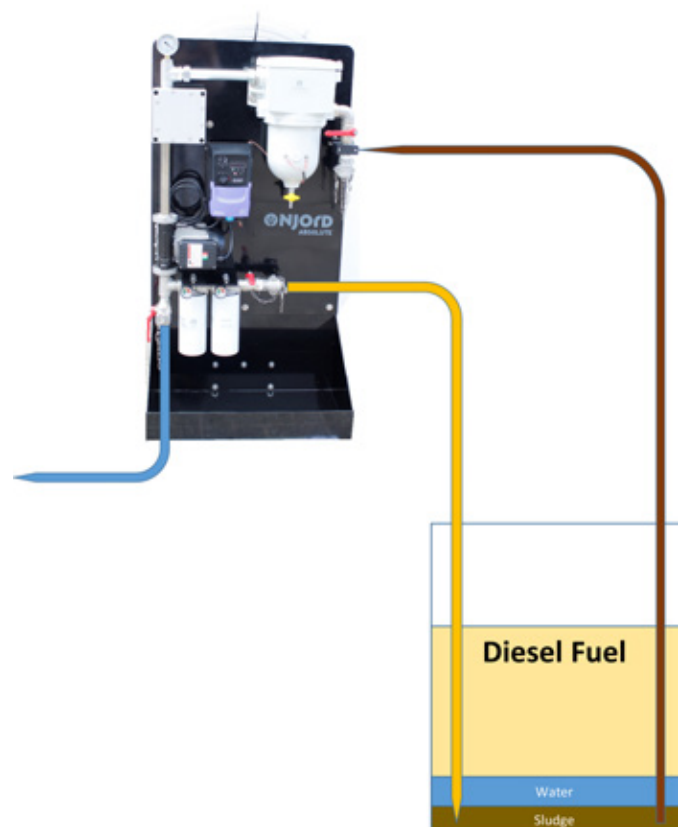
Water is deadly to stored fuel, both by itself and through the fact it leads to bigger micro-organism contamination issues. Fuel particles will cluster together naturally to form sediments in your tank. Contamination of fuel can lead to generator malfunction due to blocked engine filters, injector failure, and, in the worst case, your generator will not start, thereby leaving you without backup power.



NJORD FILTRATION: YOUR FUEL FITNESS EXPERT

Njord provides you with the equipment and tools to get in control of your fuel management again.

We start at your engine and work our way back towards the bulk tanks or even fuel delivery to get you there, step by step.



NJORD ABSOLUTE FUEL POLISHING SYSTEMS - PRO LINE

To bring and maintain all fuel in all tanks in optimal condition, we recommend to install our Njord Absolute Fuel Polishing Systems on all tanks. On a yacht, one system can service all tanks, as they are normally installed using manual ball valves to suction and return lines to all tanks on board. The system can also fulfill the fuel transfer function, thus possibly eliminating an electric fuel transfer pump.

In an emergency power setup either separate systems are used for each tank, or a system can be equipped with multi-tank-control software and automatic ball valves with end position switches. In that way one system can service multiple tanks automatically and there is no risk of returning fuel to the wrong tank.

Systems on a back plate are called Njord Absolute Polishing Systems (APS) and systems in a cabinet are called Absolute Filtration Systems (AFS). Furthermore, we distinguish between our PRO line, Performance line and the Day Tank Systems (DTS). They all deliver the same fuel quality, but differ in caliber of pumps and controllers.



OUR SYSTEMS COME WITH THE FOLLOWING OPTIONS:

- Touch screen controller
- Internet page with status for on your computer or cellphone
- Modbus TCP-IP or RTU
- Remote alarm module for gsm or email
- Priming pump (hand or electrical)
- Auto water drains with water vessel and level control
- Water in fuel sensors (ppm)
- Inline laser particle counters according to ISO-4406 / NAS-1638
- Sampling points
- Additive injection unit
- Stainless steel cabinets
- Climate control (cooling, ventilation, anti-condensation heating)
- Multi tank control
- Leak detection system on fuel return piping
- Tank level control & complete management of fuel replenishment from bulk to day tanks



ABSOLUTE POLISHING SYSTEMS IN A CABINET - AFS PRO SERIES

Our enclosed systems can be placed inside or outside a building. They protect the system from moisture and dust. To be sure the temperature inside is maintained at the desired levels, it may be required to install a ventilation and/or anti condensation heating system.

PRO LINE Series Absolute Polishing Systems in cabinet - Standard Ranges**



Njord AFS-2400-F PRO

	AFS-600-F	AFS-1350-F	AFS-2400-F	AFS-3000-F
Flow rate	600 lph	1350 lph	2400 lph	3000 lph
Ports	1/2" BSP	μ" BSP	1" BSP	1" BSP
Primary filter	10 or 30 μ	10 or 30 μ	10 or 30 μ	10 or 30 μ
Internal Gear Pump	yes	yes	yes	yes
Secondary Filter	2 μ absolute water block	2 μ absolute water block	2 μ absolute water block	2 μ absolute water block
Fuel Conditioner	NFC-500	NFC-1500	NFC-3000	NFC-3000
PRO Filtration Controller	yes	yes	yes	yes
Power	110 VAC 60 Hz 220 VAC 50 Hz	110 VAC 60 Hz 220 VAC 50 Hz	110 VAC 60 Hz 221 VAC 50 Hz	110 VAC 60 Hz 221 VAC 50 Hz
Cabinets (optional)	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 600, W 600 D 300 mm	H 800, W 1200 D 300 mm	H 800, W 1200 D 300 mm	H 1000, W 1200 D 300 mm
Weight	55 kg	85 kg	125 kg	140 kg
Certifications	CE	CE	CE	CE



Njord AFS-6000-F PRO with optional Touch Screen

	AFS-4000-F	AFS-6000-F	AFS-12000-F
Flow rate	4000 lph	6000 lph	12000 lph
Ports	BSP: 1"	"BSP: 1,5" in; 1" out"	"BSP: 2,5" in; 2" out"
Primary filter	2 or 4 μ absolute 10 or 25μ nominal	2 or 4 μ absolute 10 or 25μ nominal	2 or 4 μ absolute 10 or 25μ nominal
Internal Gear Pump	yes	yes	yes
Secondary Filter	1, 5, 10 or 25 μ coalescer / separator	1, 5, 10 or 25 μ coalescer / separator	1, 5, 10 or 25 μ coalescer / separator
Fuel Conditioner	NFC-3000	NFC-3000	NFC-10000
PRO Filtration Controller	yes	yes	yes
Power	400 VAC 50 / 60 Hz 8A	400 VAC 50 / 60 Hz 10A	400 VAC 50 / 60 Hz 20 A
Cabinets (optional)	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 1000, W 1200 D 300 mm	H 1000, W 1400 D 300 mm	H 1000, W 1580 D 600 mm
Weight	200 kg	220 kg	350 kg
Certifications	CE	CE	CE

**Pro Series is available custom made as per client specifications in shortest delivery time.

ABSOLUTE POLISHING SYSTEMS - APS PRO SERIES

Our open systems can be used inside a building or generator enclosure.

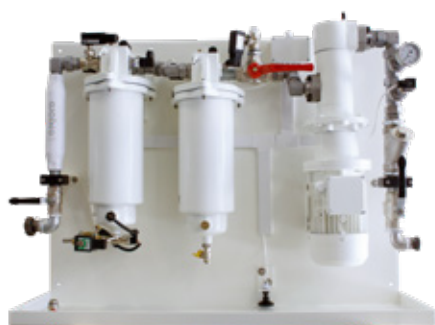
The controller is normally mounted separately to reduce the system's space requirement.

PRO LINE Series Absolute Polishing Systems - Standard Ranges**



Njord APS-2400-F PRO

	APS-600-F PRO	APS-1350-F PRO	APS- 2400-F PRO
Flow rate	600 lph or 160 gph	1350 lph or 355 gph	2400 lph or 630 gph
Ports	"μ" in + out"	"μ" in + out"	1" BSP in + out
Primary filter (optional)	10 or 30 μ	10 or 30 μ	10 or 30 μ
Pump	gear	gear	gear or screw spindle
Secondary Filter (optional)	2 μ absolute water block	2 μ absolute water block	2 μ absolute water block
Fuel Conditioner (optional)	NFC-200	NFC-500	NFC-1500
Filtration Controller	optional	optional	optional
Power	110, 230 or 380 VAC	110, 230 or 380 VAC	110, 230 or 380 VAC
Minimum Dimensions	H 600 (24), W 400 (18) D 200 (8) mm (inch)	H 650 (26), W 600 (24) D 200 (8) mm (inch)	H 650 (26), W 700 (28) D 240 (9.5) mm (inch)
Maximum Dimensions	H 500 (20), W 600 (24) D 200 (8) mm (inch)	H 600 (26), W 800 (32) D 200 (8) mm (inch)	H 600 (26), W 800 (36) D 240 (9.5) mm (inch)
Weight	22-24 kg or 50-53 lbs	34-36 kg or 75-80 lbs	64-70 kg or 142-156 lbs
Certifications	ISO 10088 or Class Approvable	ISO 10088 or Class Approvable	ISO 10088 or Class Approvable



Njord APS-6000-F PRO with all steel vessels for yachts sailing under Class

	APS- 3000-F PRO	APS-4000-F PRO	APS-6000-F PRO
Flow rate	3000 lph or 790 gph	4000 lph or 1,052 gph	6000 lph or 1,600 gph
Ports	1" BSP in + out	BSP: 1μ" in + out	"BSP: 2" in; 1μ" out"
Primary filter (optional)	10 or 30 μ	1, 5, 10 or 25 μ	1, 5, 10 or 25 μ
Pump	gear or screw spindle	gear or screw spindle	gear or screw spindle
Secondary Filter (optional)	2 μ absolute water block	1, 5, 10 or 25 μ coalescer/separator	1, 5, 10 or 25 μ coalescer/separator
Fuel Conditioner (optional)	NFC-3000	NFC-3000	NFC-4000
Filtration Controller	optional	optional	optional
Power	110, 230 or 380 VAC	110, 230 or 380 VAC	110, 230 or 380 VAC
Minimum Dimensions	H 650 (26), W 700 (28) D 240 (9.5) mm (inch)	H 800 (32), W 800 (32) D 300 (12) mm (inch)	H 800 (32), W 800 (32) D 300 (12) mm (inch)
Maximum Dimensions	H 650 (26), W 900 (36) D 240 (9.5) mm (inch)	H 800 (32), W 1000 (40) D 300 (12) mm (inch)	H 800 (32), W 1000 (40) D 300 (12) mm (inch)
Weight	66-72 kg or 147-160 lbs	62-72 kg or 138-160 lbs*	72-82 kg or 160-182 lbs*
Certifications	ISO 10088 or Class Approvable	ISO 10088 or Class Approvable	Class Approvable

* Class Approved cast iron filter housings: add 13 kg or 29 lbs per filter housing

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RELATED SYSTEMS AND ACCESSORIES

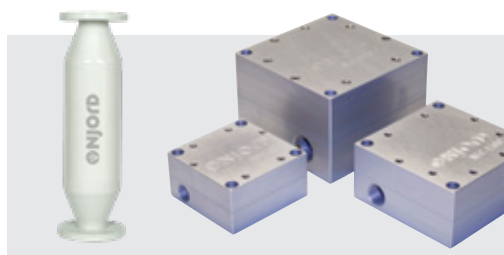
CUSTOM FUEL TREATMENT SKIDS

Based on customer requirements, Njord engineers and builds standard and custom fuel treatment skids.



NJORD MAGNETIC FUEL CONDITIONERS

Our magnetic Fuel Conditioners have been tested on efficiency in reducing particle size in the fuel (filterability) and stopping growth of micro-organism. The square Njord Fuel Conditioners come with either one or two magnets inside (for double effectivity per pass through).



NJORD TRANSFER PUMP SYSTEMS

Our Fuel Transfer Pump Systems come in a standard range up to 12.000 lph; larger systems are custom. We also offer master controllers managing your complete fuel system.



NJORD AUTOMATICALLY SWITCHING PREFILTER WATER SEPARATORS

As day tanks and storage tanks will accumulate water, sediment and possibly micro-organism, Njord also offers automatically switching pre-filters to keep your engine running when the first filter blocks !



NJORD PERFORMANCE ADDITIVES

As the required fuel quality for your application needs to be warranted, Njord offers a number of performance additives to help bring deteriorated fuel and maintain good fuel in optimal condition.



Distributed by:



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