

DTS Series: Day Tank Filtration Systems

Njord Day Tank Filtration Systems

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



Key Features:

- Automated filtration controller with week clock
- Plug & Play system
- Water, filter, flow and leak alarms
- Absolute 2 μ filtration in second filter
- Three step water separation; three step particle size reduction
- Fuel Conditioner to stop micro-organism growth and stabilize fuel
- Fuel Quality required for Common Rail engines
- Powder coated or stainless steel cabinets
- 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.

DTS-Series Absolute Day Tank Filtration Systems Specifications:

	DTS-600-F	DTS-1700-F	DTS-2700-F	DTS-4000-F	DTS-6000-F
Flow rate	600 lph	1700 lph	2700 lph	4000 lph	6000 lph
Ports	½" BSP	¾" BSP	1" BSP	1" BSP in; 1" BSP out	1,5" BSP in; 1,25" BSP out
Primary filter	10 or 30 μ	10 or 30 μ	10 or 30 μ	10 or 30 μ OR or Bag Filter / coalescer	10 or 30 μ OR or Bag Filter / coalescer
Pump	internal gear	internal gear	internal gear	rotary vane	rotary vane
Secondary Filter	2 μ absolute water block	2 μ absolute water block	2 μ absolute water block	2 μ absolute water block	5 μ coalescer OR 2 μ absolute water block
Fuel Conditioner	NFC-500A	NFC-1500-1	NFC-3000-1	NFC-3000-1	NFC-3000-1
Filtration Controller	yes	yes	yes	yes	yes
Power	220 VAC 50 Hz 110 VAC 60 Hz 1, resp. 2 A	220 VAC 50 Hz 110 VAC 60 Hz 1,7 resp. 3,8 A	220 VAC 50 Hz 110 VAC 60 Hz 2 resp. 4 A	220 VAC 50 Hz 110 VAC 60 Hz 3 resp. 6 A	220 VAC 50 Hz 110 VAC 60 Hz 5 resp. 10 A
Cabinets	IP-66 NEMA 12,13,4	IP-66 NEMA 12,13,4	IP-66 NEMA 12,13,4	IP-66 NEMA 12,13,4	IP-55 NEMA 12,13,4
Dimensions	H 600, W 600 D 300 mm	H 1000, W 800 D 300 mm	H 800, W 1200 D 300 mm	H 800, W 1200 D 300 mm	H 800, W 1200 D 300 mm
Weight	25 kg	80 kg	90 kg	110 kg	120 kg
Certifications	CE	CE	CE	CE	CE