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Drinking water generator PELICAN Small

Drinking water for:

- commercial vessels
- fishing boats
- sailing boats
- households with sea water
- navy ships

Features and benefits

- innovative technology
- both reverse Osmosis & Ultrafiltration
- no consumables needed
- no chemicals needed
- no filter inserts on this unit
- 3 types of cross-flow filtration
- self cleaning system
- all in 316L stainless steel or plastic
- powder painted 304 frame
- control box IP56, easy & simple
- compact design
- unique construction
- quality of drinking water is continously monitored with a salinity meter and dumping valve

Ship's Application

- drinking and cooking
- chemical tankers - cleaning cargo tanks
- air conditioning and humidity systems
- boilers and steam generators
- high pressure cleaning electric machines
- ultrasonic cleaners
- cooling and heating systems
- laundry and dish-washer machines
- acid batteries
- all application for Ultra Clean Water without suspended particles and dissolved chemicals specially with reduced salinity to minimum.





Options

- incoming net filter (for very dirty water)
- PLC control
- better HP pump:
 - 316L CAT piston pump
 - duplex Danfoss pump
- pulsationon dumper
- post treatment OCTOPUS skid with many accessories

Advantages

- stops particles (suspended)
- stops dissolved chemicals
- stops turbidity
- no consumables needed
- no chemicals needed
- stops salt from ocean and sea water

Scope of delivery:

- feed pump (316L)
- UF membrane
- circulating pump for UF (316L)
- flush back pump for UF (316L)
- HP pump for RO (CuNi Cat 247)
- water meter
- rotameter - 2pcs
- safety valve
- semi-automatic FW system for flushing with fresh water
- SS frame powder painted

Incomming water

- any raw water source
- salt or fresh water
- dirty or clean water



The capacity is calculated with a sea temperature of 25 Celsius degree and TDS at 35.000 ppm.
The production will be decreased with low temperature.
Pelican with RO membranes SW-2540:

Technical data:

	S2	S4	S6
Production [ton/day]	4.4	5.6	9
Number of membranes 2540	2	4	6
Power installed [kW]	3.5	3.5	4
Weight (dry) [kg]	170	200	220
Width [mm]	1300	1500	1500
Depth [mm]	800	800	800
Height [mm]	1200	1200	1200
Power supply	3x380V, 50Hz or 3x440V, 60Hz		