Séon ROC Seawolf

V23.1

Wananchi

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Séon ROC Seawolf is a durable, chassis-mounted portable water purification system, specifically designed with direct input from defense and emergency services, for extracting pure water directly from seawater.

Operating the system is simple: just connect the color-coded hoses, position the inlet to the water source, and activate the switch to produce clean, drinkable water.

Featuring a high-performance, energy-efficient reverse osmosis (RO) system, Séon ROC Seawolf efficiently generates potable water from seawater, utilizing its integrated high-efficiency recovery pump.

Enclosed within a sturdy, military-grade chassis, the entire system is meticulously engineered to withstand even the most demanding environments and rough handling.

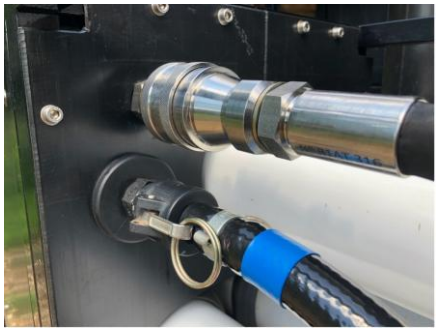
With its compact design, the system can be easily transported by a team of four individuals, seamlessly integrating into standard logistical chains.

Features

- Purifies seawater
- 600 litres pure water per hour
- Set up in minutes
- Optional automatic chlorine dosing and UVC disinfection.
- Automatic pre-filter backwash cycle

Operational Benefits

- Low cost per litre of drinking water.
- Low power consumption.
- Extremely easy to use.
- Minimal training requirements.
- Reduced logistical cost and risk.
- Assured water quality



Technical Data

Wananchi MOBILE WATER PURIFICATION

Model: WSROC11000
Mobile Water Purification System (Large Groups)

Operational Data Optimum with fresh filters & battery	
Capability	Sea Water
Max water production	600 l/h (Seawater) 900 l/h (Brackish)
Operating pressures	Feed water: 150 psi (10 Bar) HP Feed: 640-853 psi (44.1 - 58.8 bar)
Salt rejection	98.6%
Feed Water Salinity	35,000ppm NaCl, 25˚C
Product water quality	<450ppm
Power	3.3 kW
Voltage	240 VAC 1P
Dosing tank capacity	12 l
Cold weather pack available	Yes

Dimensions System and supplied components	
Control Unit dimensions	W: 1250mm D: 5300mm H: 830mm Weight: 170 kg
Node Unit 1 dimensions	W: 810mm D: 680mm H: 1230mm Weight: 170 kg
Node Unit 2 dimensions	W: 140mm D: 480mm H: 490mm Weight: 95 kg
Interconnect hose and length	1.5m
Inlet hose length	8.0m
Product hose length	5.0m

Ancillaries
Hoses and canvas bags, electrical cables and canvas bag,

Certification

Membrane filter certified for bacterial retention >Log 7 microbial reduction 99.9999%. WRAS/BS6920/FDA Compliant.
UVC Lamp disinfection certified for bacterial retention >Log 4 microbial reduction 99.99% with testing in accordance with NSF and EPA drinking water guidelines & tested for NSF/ANSI 372 & 61 compliance.
Full system microbiologically tested by UKAS approved laboratory.
Ingress Protection Rating: IP65.

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