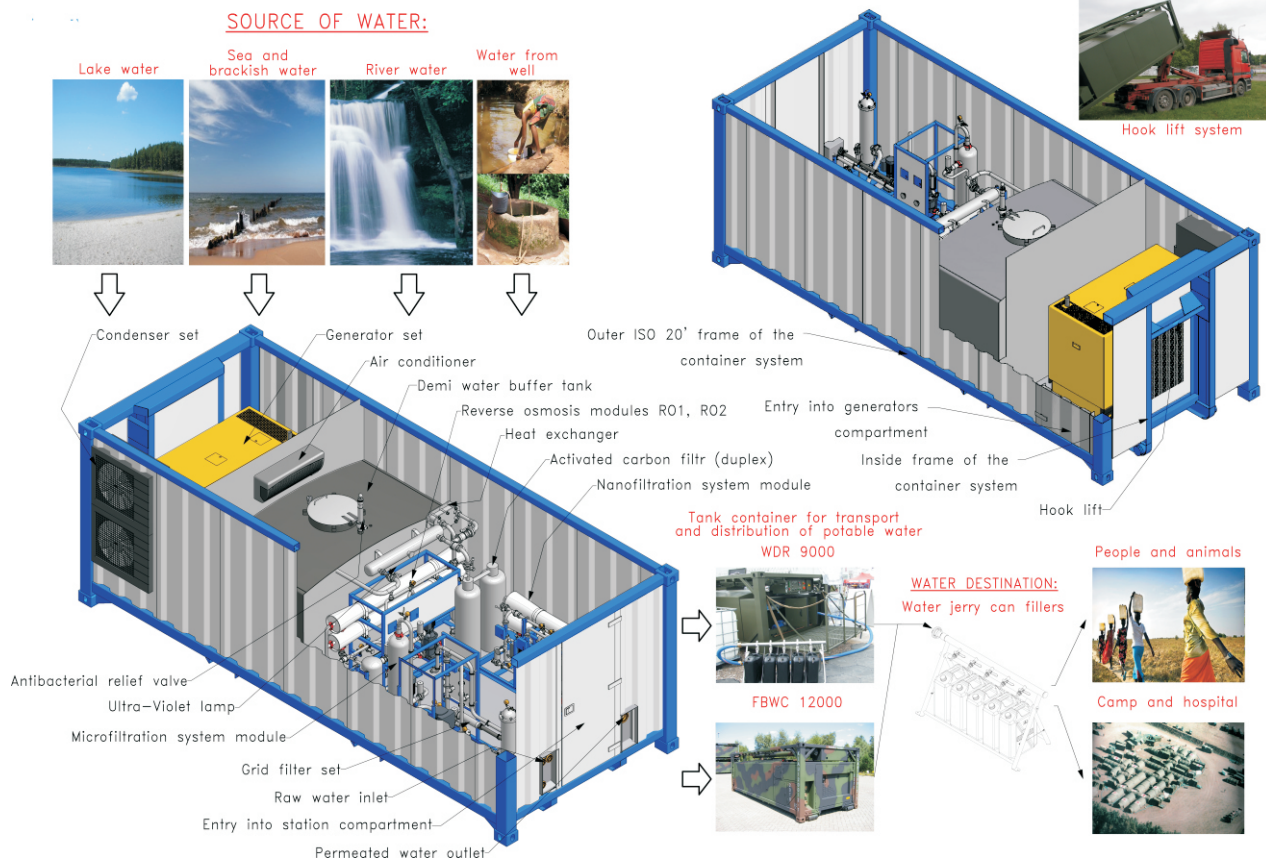


WPS SW 1.0 Containerized Salt Water Purification System



Water purification system **WPS SW 1.0** was designed to produce drinking water from salt water (sea water) containing up to 50 000 ppm of sodium chloride NaCl in accordance with WHO's "Guidelines for drinking-water quality. Third edition incorporating first and second addenda".

Station is built on the basis of standard container 20', ISO 1, equipped with Flat Rack system, enabling transportation of the container in Hook Lift system. This system does not require any lifting devices but only hook lift mounted on a truck chassis. By that means one car is able to operate several stations **WPS SW 1.0** transporting them to their place of work.

WPS SW 1.0 Containerized Salt Water Purification System

TECHNICAL PARAMETERS OF THE STATION

Typical Design Specification

- type of water to be treated sea water containing up to 50.000 ppm of sodium chloride NaCl
- parameters of purified water drinking water according to WHO Regulations: "Guidelines for drinking-water quality. Third edition incorporating first and second addenda"
- productivity of the station 1000 l/h
- water demand 3000 l/h
- purified water temperature +13° C +15° C
- treated water storage time 90 days
- filtration system
 - macro-filtration
 - micro-filtration
 - nano-filtration
 - double reverse osmosis
 - carbon columns in duplex system
 - Ultra Violet Lamp
- buffer tank capacity 1000 l
- ambient temperature -26° C +71° C
- stand-by mode 24 h
- power Supply generator set P = 35 kVA
- operator's working conditions air-conditioned room:
+ 25° C - + 35 °C
- control and monitoring control panel box with monitoring system
power supply 12 V or 24 V
- monitoring and classification Polish Register of Shipping (CSC), TÜV, Office of Technical Inspection

Technical Parameters of the Container

- container's type ISO 1, type - 1 CC
- dimensions
 - L = 6 058 mm
 - W= 2 438 mm
 - H = 2 591 mm
- material high strength steel
ASTM S 355 J2G3, EN 10025
- transportation integrated hook system FLATRACK type in accordance with
DIN 30722, STANAG 2413
- transportation system material high strength steel
ASTM S 355 J2G3, EN 10025
- buffer tank material Duplex Steel SAF 2507,
- pipe system and installation material ASTM S32750, EN 1.4410
Duplex Steel 2205, ASTM S31803, EN 1.4462