



VIVIDS
NEW TECHNOLOGY

SELECTIVE CLEANING OF LIQUIDS
WATER PURIFICATION
TECHNOLOGIES AND DEVICES

MDS

**MOBILE DESALINATION STATION, FOR CLASS 1 DRINKING WATER
PARAMETERS AND ITS MINERALIZATION.**

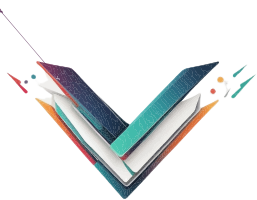
**(Obtaining drinking water in accordance with WHO Standards: Guidelines for
Drinking - Water Quality. Third Editing Incorporating The First And Second
Addendum. Water class 1)**



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When designing a **Mobile Container Desalination Station**, we used mixed technologies primarily: mechanical filtration, reverse osmosis and ion-exchange technology. Thanks to this, we get "tasty" mineralized water class 1. After using our desalination method, **We do not use antiscalses !!!!!**.

TECHNICAL ASSUMPTIONS OF THE MOBILE CONTAINER STATION (basic module for saline water intakes: deep wells, seas, oceans):	
Parameters of treated water	Obtaining drinking water in accordance with WHO Standards: Guidelines for Drinking - Water Quality. Third Editing Incorporating The First And Second Addendum. Water class 1
Station performance	1 m ³ /h
Temperature of treated water	T = +13°C - +35°C
Storage time of treated water	90 day's
Filtration systems used:	<ul style="list-style-type: none">▪ Mechanical filtration▪ Ion exchange resins▪ Reverse osmosis▪ Coal columns - option▪ UV lamp
Station operating temperature	T= 0°C – +71°C
Power	2,2 kW /m³
controlling	Control panel with control system - power supply : 110 kV – 230kV
Mineralization	Passing through calcium-magnesium gravel deposits mineralization with calcium-magnesium preparation. This preparation is patented by our company and has PZH approval. It is introduced using a dosing pump

The device is built on a platform the size of a 20-foot container. Additional specification on request. It may also cover technical issues, e.g. how the pumps are powered.





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COMPETITIVE ADVANTAGE OF OUR MOBILE STATION:

In addition to salinity, we also remove other compounds, including: Rad, Stront, Cez, Bar, Bor, ammonia compounds, sulphates, sulfites, phosphates etc

Optional Mobile Desalination Station can be powered by photovoltaic panels with a battery,

Unique solutions of the osmotic system - Patented

Full station monitoring connected to the Internet.

There is no need to use antiscals and chlorine

Water can be carbonated

When the desalination system is turned off, We can also treat brakish water with a flow rate of $4.5 \text{ m}^3 / \text{h}$

Elaboration by:

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