



**COMPACT
MOBILE WATER
PURIFICATION SYSTEM
"OAZISC300"**

COMPACT MOBILE WATER PURIFICATION SYSTEM "OAZISC300"

APPLICATIONS



Cottage, house



Camping



Farm, ranch

The OAZISC300 system is designed to purify water from surface sources and wells with low mineralization from microbiological, mechanical and organic contamination. The system is used to provide drinking water to campsites, houses or ranches etc.

The plant's capacity is 250–300 l/h (up to 5,000 l/day) that allows to provide the daily drinking water needs of up to 1,000 people.

5 stage of water purification technology:

- **1 stage** — Water chlorination — oxidation of impurities and disinfection of water. The dose of chlorine is adjusted to the feed water quality and is controlled by the test system included in the supply kit.
- **2 stage** — Sediment filter — filters particles, sand or other mechanical impurities. The filter uses highly effective Filter AG (USA) filter material.
- **3 stage** — Two-stage filtration on carbon filters — removal of organic compounds, dechlorination during hyperchlorination and other toxic substances.
- **4 stage** — Secondary chlorination — if long-term disinfection of purified water is necessary.
- **5 stage** — Final filtration on a fine filter cartridge (5µm).



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SPECIFICATIONS

Capacity	250–300 l/h ~5000 l/day
Dimensions (W x D x H)	1000 x 700 x 1700 mm
Weight (max)	empty — 100 kg operating — 150 kg
Power supply	230 V, 50 Hz *an inverter for connecting to a 12V car is included
Power consumption	operating – 220 W maximum - 650 W
Lead time	4 weeks



FEED WATER REQUIREMENTS

Parameter	Unit	Feed water requirements	Value after system	Directive (EU) 2020/2184
Hydrogen ion concentration	pH units	6.5-9.5	6.5-9.5	6.5-9.5
Taste	-	With taste	Tasty	Acceptable to consumers and no abnormal change
Odour	-	With a smell	Light smell of chlorine	
Turbidity	-	With impurities	Transparent	
Iron	µg/l	<500	<200	<200
Oxidisability	mg/l O ₂	<10	<5	<5
Conductivity	µS cm ⁻¹ at 20 °C	<2 500	<2 500	<2 500
Chlorine residual (free chlorine)	mg/l	-	<0,5	-
Total microbial count (22 °C)	CFU	≤100 FU/1ml	≤20 FU/1ml	No abnormal change

*The rest of the parameters must comply with local drinking water regulations