



MOBILE DRINKING WATER UNITS



BLUE B ISLAND



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The BLUE B ISLAND water treatment unit is designed to produce drinking water from brackish water with TDS up to 6000 ppm (it will not treat sea water) and is ideal for treating water in remote areas with limited water resources.

The BLUE B ISLAND is trailer mounted and therefore ideal for emergency intervention such as may be required after a natural disaster or in a camp for displaced people. Alternatively, the units can be used to provide drinking water in workers camp, temporary or mobile exploration camps, villages or missions.

The units are supplied "ready to start" and a wide range of accessories ideal for use in the field is available.

Features:

- Automatic membrane cleaning system, Clean-In-Place (CIP) included as standard;
- Pretreatment including microfiltration in order to protect the RO membranes and maximize the life of the system;
- Chlorine generator on board;
- Remineralization.

HOW IT WORKS

The BLUE B ISLAND is easy to use and is designed to reduce as far as possible the need for additional chemical products without compromising performance.

Water in the unit passes through a microfilter before arriving at the heart of the plant: a reverse osmosis (RO) system complete with pressure pumps and RO membranes specifically designed brackish water. Following this the water undergoes remineralization and disinfection. The unit is complete with its own Clean-In-Place (CIP) system.

Disinfection occurs with the help of an onsite chlorine generator which relies on common salt plus water to make the required chlorine. This means that non dangerous goods have to be shipped with the water treatment plants.

The BLUE B ISLAND is controlled automatically through a dedicated electrical control panel.

Rapid installation:

- Delivered "ready to start" and highly mobile making it ideal for emergency interventions;
- The configuration optimizes space for both on site movement and for containerized transport.



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TECHNICAL DATA

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Raw (feed) water	Limpid brackish water (TDS <6000 ppm, NTU < 5)
Drinking water flow rate (depending on raw water quality)	2.5 m ³ / hr MAX
Ambient working temperature	5 ° C ~ 50 ° C
Installed power	7 kW – 380 V 50 Hz
Dimensions (without trailer)	1140 x 2850 x1400h mm
Total weight (including trailer)	1400 kg

SPARE PARTS & ACCESSORIES

✓ Available

DESCRIPTION	BLUE B ISLAND
Spare parts and consumables kits (1, 2 or 3+ year's supply)	✓
Chemicals, cleaning and conservation products (kits)	✓
Trailer with innovative twist lock connections	✓
Trailer with NATO hitch and height-adjustable tow bar	✓
Floatation device for raw water intake pump	✓
Raw and treated water storage tanks (various types)	✓
Photovoltaic system	-
Training on-site or in IdroGroup facilities	✓
User and O&M manuals in languages other than English/Italian	✓

Idro Group produces a wide range of water treatment systems all of which can be tailored to your needs.

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