

MOBILE DRINKING WATER UNITS



BLUE ULTRA 4000



BLUE ULTRA

The BLUE ULTRA is designed to purify microbiologically and chemically affected water for the production of drinking water and is capable of treating water from a wide range of sources such as rivers, lakes, dams, rain water reservoirs and wells. This innovative system allows you to purify up to 4000 m³/d of water in a single 40" container. The heart of the system is made up of Ultrafiltration modules made up of a total of 48 membranes which guarantee a filtration degree of up to 0.05 µm and this means microbiologically pure water from viruses and bacteria.

The plant is complete of PLC and fully remote controllable.

HOW IT WORKS

The system is completely pre-assembled on various stainless steel skids and installed in a 40" insulated container with air conditioning and lighting; the configuration is "plug & play" and allows civil works to be minimized.

The main sections include the loading pumps, a self-cleaning safety filter, the Ultrafiltration membrane modules (which constitute the heart of the system), the membrane backwashing section and a final disinfection. The electrical panel is equipped with a PLC.

- Self cleaning filtration improve water quality and protect other components upstream thereby reducing maintenance requirements and extending the unit's life.
- Thanks to Idro Group's great experience in managing projects all over the world, we can also manage and support the customer in shipping/logistics, ommissioning and after sale services.

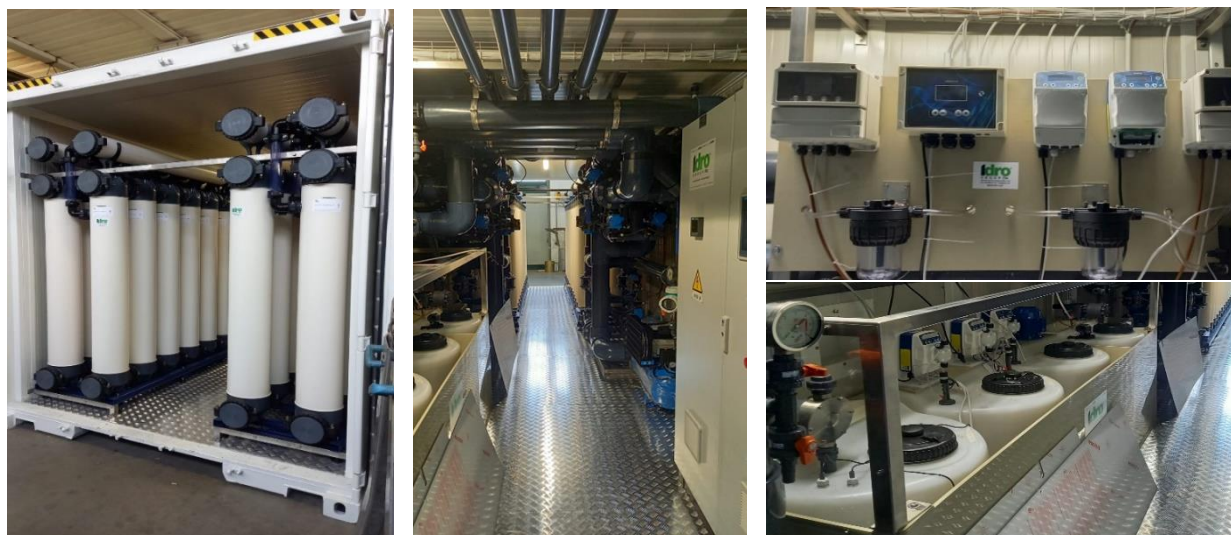
Performance:

- **ELIMINATES:** algae, mold, spores, Giardia, Crypto, Bacteria Viruses and Colloids;
- Idro Group treatment plants are configured to optimize treatment times, minimize bulk & weight, minimize maintenance requirements and guarantee water quality

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TECHNICAL DATA

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Raw (feed) water	Fresh water
Drinking water flow rate (depending on raw water quality)	200 mc/h
Ambient working temperature	5 ° C ~ 50 ° C
Feed water temperature	1 ° C ~ 30 ° C
Installed power	60.0 kW
Dimension of the system: N.1 40" container	2.50 X 12.00 X 2.50

SPARE PARTS AND ACCESSORIES

✓ Available upon request

DESCRIPTION	BLUE ULTRA
Spare parts and consumables kits (1, 2 or 3+ year's supply)	✓
UV disinfection	✓
Raw water intake pump (various types)	✓
Floatation device for raw water intake pump	✓
Raw and treated water storage tanks (various types)	✓
Power generator	✓
Protective pannelling/cabinet	✓
Training on-site or in Idro Group 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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