



MOBILE DRINKING WATER UNITS



BLUE TWINS



THE BLUE TWINS UNIT

Idro Group's BLUE TWINS is a compact mobile drinking water treatment unit ideal for prolonged use in a wide range of environments.

Capable of treating non saline water, without industrial pollutants, hydrocarbons and chemical waste, from a wide range of sources such as rivers, lakes, dams, rain water and ground water, the unit will produce safe drinking water, free of physical and bacteriological contamination.

The high mobility of the makes it ideal for emergency intervention such as may be needed following natural disasters or in camps for displaced people.

Autonomous operation:

- The unit doesn't require any external power so can work alone making it ideal for remote or hard-to-get-to locations;
- BLUE TWINS units are also ideal for use with alternative energy sources (e.g. sun, wind) and Idro Group is ready to integrate these solutions;
- Idro Group supplies all units with all fixtures and fittings, accessories and chemicals required for immediate start-up;

AND HOW IT WORKS

The BLUE TWINS drinking water treatment unit operates without electricity! The only component requiring power is the intake pump which is either a standard diesel pump or can be a solar powered pump.

Following aspiration, the feed water passes through sedimentation and pre-chlorination before being filtered through sand and active carbon which remove solid particles and organic compounds. Then the water is disinfected and is ready to be consumed or stored.

BLUE TWINS are user friendly and have been designed to minimize chemical use without compromising performance.

Rapid response:

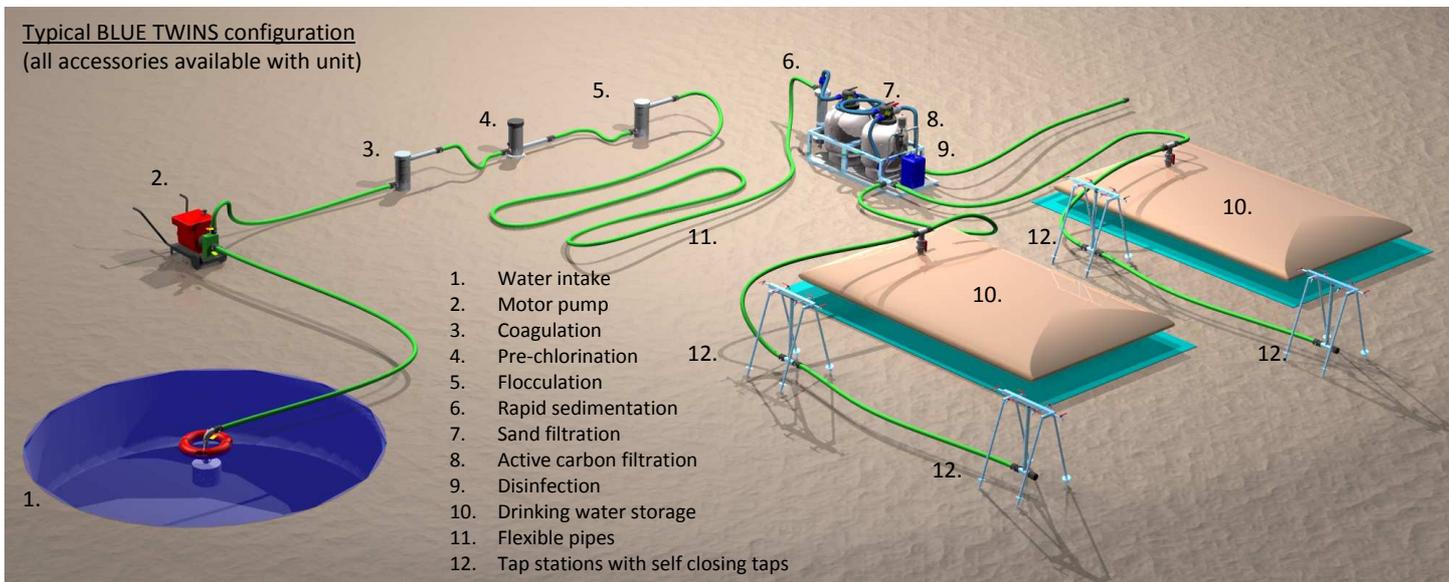
- The water treatment unit and all accessories are packed together ready for immediate road, air &/or sea transport;
- BLUE TWINS units are delivered "ready to start";
- Once on the ground components can be easily disconnected for easy handling by two people;
- An optional covered trailer can also be supplied (photo above) to help mobility on the ground;



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TECHNICAL DATA

| TECHNICAL DATA | BLUE TWINS |
|--|------------------------|
| Raw (feed) water | Non saline fresh water |
| Drinking water flow rate (depending on salinity) | 4 m ³ /hr |
| Ambient working temperature | 5°C ~ 50°C |
| Water temperature | 5°C ~ 25°C |
| Pump type | Diesel motor pump |
| Dimensions (approx) | 800 x 1600 x 900 h mm |
| Approx. total weight | 750 kg |

SPARE PARTS & ACCESSORIES

✓ Available

| DESCRIPTION | BLUE TWINS |
|--|------------|
| Spare parts and consumables kits (1, 2 or 3+ year's supply) | ✓ |
| Chemicals, cleaning and conservation products (kits) | ✓ |
| Covered trailer | ✓ |
| Trailer with NATO hitch and height-adjustable tow bar | ✓ |
| Raw and treated water storage tanks (various types) | ✓ |
| Photovoltaic system | ✓ |
| 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 plants which can be tailored to your needs.