



# MOBILE CAMP INSTALLATIONS



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# MOBILE CAMP INSTALLATIONS

The IDRO GROUP water treatment camp installations for military compounds are designed to satisfy all the drinkable water production needs from freshwater and brackish water sources by means of a **BW 1000** installation as well as from highly brackish water or sea water by means of a **SW 1000** installation and for waste water treatment and reuse by means of a **WW 1000** installation.

The systems are built into ISO 1C containers to be transported and moved by APS or ordinary trucks with twist-lock hooks. Each movable camp installation will be equipped with a **SP** storage container to complete each system in order to ensure the availability of spare parts and consumable and guarantee perfect efficiency and reliability for short to medium periods.

## **BW module**

**NATO Stock Number NUC 4610-15-202-5363**

The IDRO GROUP **BW 1000** movable camp system is suitable for freshwater and brackish water treatment with a max salinity degree up to 7500 ppm (TDS). It uses high yield reverse osmosis membranes.

The process is equipped with a treated water re-mineralization unit. The system includes the tank feeding pump and pillow tanks for drinkable water.

The system uses ISO 1C standard type camp containers, transportable by the means of APS trucks or standard trucks with twist-lock hooks.



## SW Module

NATO Stock Number NUC 4610-15-202-5364



The IDRO GROUP SW 1000 camp mobile system is suitable to treat highly brackish water or sea water having a high salinity degree up to 45000 ppm (TDS).

The system uses high pressure and yield reverse osmosis membranes and an exclusive "retroaction system" linking the exercise pressure and the energy consumption with the actual salinity degree of the water to be treated.

The process is equipped with a treated water remineralization unit.

The system includes tank feeding pump and pillow tanks for drinkable water.

The system uses ISO 1C standard type camp containers, transportable by means of APS trucks or standard trucks with twist-lock hooks.

## BW Combi Trailer

The IDRO GROUP BW COMBI TRAILER unit is a compact mobile device apt for drinkable water production from any water source having an average salinity degree up to 2000 ppm (TDS).

It uses low pressure reverse osmosis membranes not requiring chemical pretreatments. The unit is equipped with its own power generator, submersible feeding pump and safety triple pre filtering with sterilized freshwater tank, UV lamps and drinkable water distribution rack with chlorine dosing device.

The module is equipped with its own trailer.



## SW Combi Trailer

The IDRO GROUP COMBI TRAILER unit is a compact mobile installation suitable to produce drinkable water from any water source having a salinity degree up to 35000 ppm (TDS).

It uses high pressure and yield reverse osmosis membranes. The unit is equipped with a power generator, submersible feeding pump and triple safety pre filtering with sterilized water tank, UV lamps, automatic cleaning system for brief pauses and drinkable water distribution rack with chlorine dosing device. The module is equipped with its own trailer.



## Blue Twins

The Idro Group BLUE TWINS unit is a compact mobile installation suitable for drinkable water production from any any water source such as rivers, lakes, rainwater basins and groundwater.

The whole treatment system works without power generators as it is operated by a trailer feeling motor pump.

The complete system is assembled onto a split-skid for easier manual transportability and displacement.



## WW module

**NATO Stock Number NUC 4610-15-202-5365**

The IDRO GROUP WW 1000 camp mobile system is apt/suitable for grey/black water treatment produced by military camps.

The system uses the MBR bioreactor purifying system by means of ultrafiltering membrane process with submersible hollow fibres allowing an effective biomass filtering action and therefore preventing undesired leaks into the effluent. The system is equipped with pre-treatment and flexible pillow tanks to collect the treated water.

The system uses ISO 1C standard type camp containers, transportable by means of APS trucks or standard trucks with twist-lock hooks.



## Pre Treatment Module

**NATO Stock Number: 4540150323288**

Coarse screening is intended for the treatment of waste water of civil origin coming from bathrooms, showers, kitchens, etc., of field installations.

The system, created for a capacity of 20 m<sup>3</sup>/h, is designed to be as compact as possible, installed on stainless steel skids and supported on NATO HCU-6E 463L pallets, which allows it to be moved and transported to any location. Inside of ISO 20 type 1C container.

The pre-treatment package consists of a first coarse screening section with bar grid complete with brushes for removing the screening and compacting the screened solids with a continuous bag collection system, a second section for accumulating and lifting the screened water.

