

INDUSTRIAS
BC



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INTRODUCTION

The modular purification equipment aims to solve the water use needs with a sanitary guarantee. Camps, complement to purifiers to increase its capacity, temporary installations while building or upgrading EDARs ... are possible situations where these equipments can satisfactorily cover the demand.

TECHNICAL DESCRIPTION

Modular system for the treatment of primary waters.

The basis of the design of the modular installations, part of the possibility of being transported in trucks or marine containers, and being able to put the equipment in service quickly and easily. The modular design makes it possible to scale the installation according to demand. If the original demand for potable water increases, simply adding modules will again cover the need. Simplicity in the process, demand scalability, quick installation and easy transport are the pillars of the design of these equipments.

SUPPORT

Installation of equipment in Industrial prefabricated modules, transportable containers and easily attachable for more complex constructions.
Standard surface modules of 3.000x2.200mm, 4.000x2.200mm and 6.000x2.200mm.
Possibility to take any other measure.

TREATMENTS

Possibility of incorporating various treatments into the process:

- 💧 Pre-filtration: Primary protection filtration for the rest of the equipment up to 125micras
- 💧 Filtration: Open or pressurized bed filters, silica filter material, anthracite, zeolites ... even a combination of several filter beds
- 💧 Decalcification: by means of ion exchange
- 💧 Demineralization: through ion exchange
- 💧 Micro-filtration, nano-filtration and ultra-filtration
- 💧 Inverse osmosis
- 💧 Disinfection system:
 - Chlorination
 - Fluorination
 - Radiation...

PRODUCTION

From 1,200 liters / day. (Combine modules to achieve the required production)

CATCHMENT

Wells, runoff, springs, lakes, rivers, ponds ...
System for collecting rainwater on roof of the modules

ENERGY

Connection to mains
Connection to generator
Connection to solar panels
Connection to wind turbines..

ACUMULATION

Accumulation deposit from 800 liters. [Combine modules to achieve the required combination].

EXTERNAL MODULE



CHARACTERISTICS

- ◆ Structure - Container type
- ◆ Cover - Galvanized steel sheet
- ◆ Enclosure - Polyurethane sandwich panel with galvanized and lacquered sheet steel
- ◆ Windows - Carpentry in white lacquered aluminum with bars
- ◆ Door - Metallic lacquered in white.
- ◆ Floor - Metallic welded in one piece, painted non-slip
- ◆ Roof - Polyurethane sandwich cover panel
- ◆ Sanitary installation - Ceramic washbasin, shower and toilet
- ◆ Modular and stackable
- ◆ Electrical installation
- ◆ OPTIONAL: PVC floor-protection system in door and windows

INSTALABLE TREATMENTS





1 Water tank 150 cm diameter,
170 cm h, 2,000 l capacity



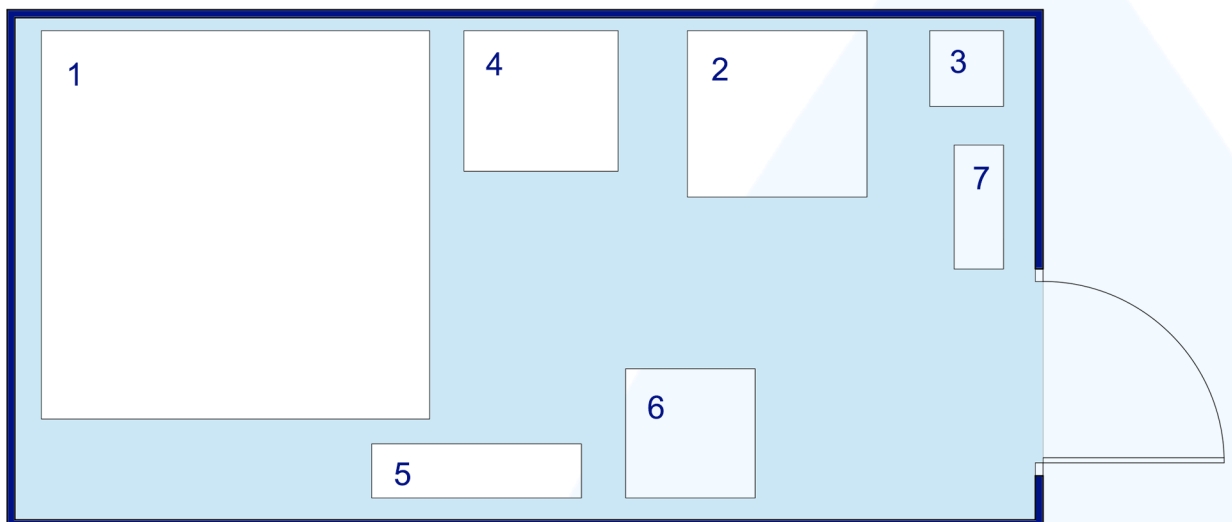
2 Filtration



3 Prefiltration



4 Disinfection



5 Reverse osmosis treatment



6 Water tank 50 cm diameter,
100 cm h, 200 l capacity



7 Control Box