



Hideco

Water Treatment and related Equipment

HIDEPAK

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TRANSPORTABLE COMPACT WATER TREATMENT PLANTS



Utility model No. 200.400.479

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INTRODUCTION

Water is a source of life but is also a means for transmitting many of the diseases which humanity has suffered. Within it a multitude of microorganisms live and grow which can transmit health disorders causing serious outbreaks.

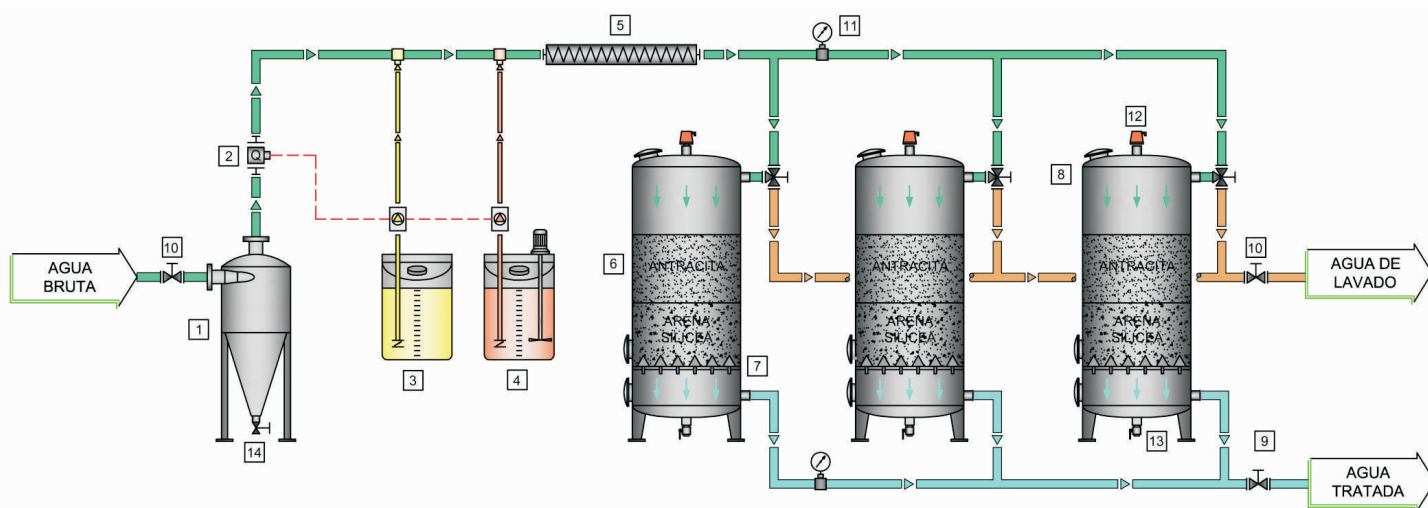
Water filtration is a process headed to retain any particles contained in the liquid, whether

on the surface or within the filtrating mass.

In order to destroy any bacteria and other harmful organisms contained in the water and obtain a safe and qualified product, it must be subject to treatment and disinfection processes to ensure its pureness before being consumed.

Chlorine, due to its high lethal power against bacteria and other microorganisms, is an essential element in water disinfection processes.

"Filtering water for human consumption, and use of chlorine to disinfect it, are probably the most significant health public advances of the millennium".



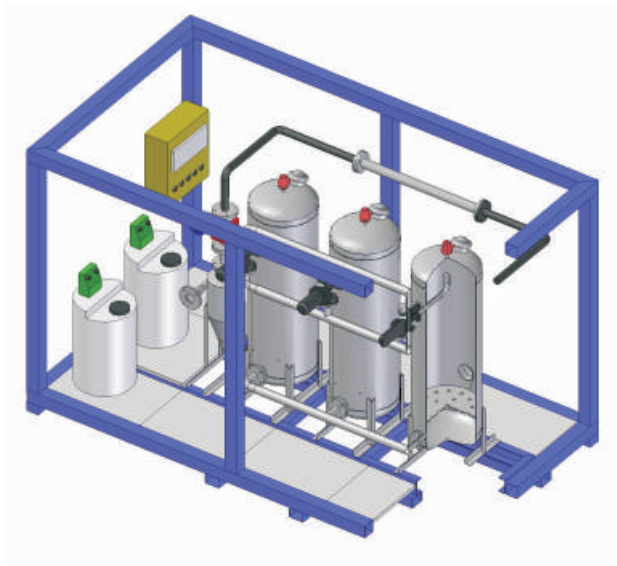
FUNCTIONING DIAGRAM

OVERVIEW

These compact transportable water treatment plants are designed to cover those cases where water potable needs are transitory (long term works etc.), small fixed municipal or industrial supplies, and emergency cases caused by natural disasters or armed conflicts, etc. A flat surface where the equipment may be positioned is the only assembly requirement. Our unit includes a filtrating battery placed on a in bed of

mixed sand I anthracite filters whose main characteristic is that the backwashed filtering bed is performed with filtered water coming from the system, and therefore no washing pumps nor storage tanks are necessary. It can function and carry out counter-current filtering and washing operations with a water feeding source providing a minimum hydraulic 15 m.c.a. load.

It includes two dosing units, sodium hypochlorite and flocculant, or both, for disinfections. Dosing shall be proportional to the treatment's flow, and is governed by an electromagnetic flow-meter. These water treatment plants shall be built to work manually or automatically. Their main characteristics are easy operation, reliability and mechanical resistance when being transported under harsh conditions.



COMPONENT MATERIALS	
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HYDROCYCLON, MIXER, FILTERS AND COLLECTORS	AHM 304 STAINLESS STEEL
3WAY VALVES	POLYPROPYLENE
SUPPORTING STRUCTURE	PAINTED CARBON STEEL PROFILES, WITH TRAMEX GALVANISED FLOORING



MODELS 7-A, 7-M	LENGTH	3.500 mm
	WIDTH	2.000 mm
	HEIGHT	2.240 mm
	WEIGHT	1.600 kg
	FILTER DIAMAMETERS	500 mm

7 m3/hour treatment flow



MODELS 14-A, 14-M	LENGTH	4.000 mm
	WIDTH	2.000 mm
	HEIGHT	2.240 mm
	WEIGHT	2.100 kg
	FILTER DIAMAMETERS	800 mm

14 m3/hour treatment flow

ACTIVE CARBON TREATMENT
HIDEPAK 20-40 m3/hour SYSTEM



POTABLE WATER



RESIDUAL WATERS



CONDUCTION AND PUMPING

