

# OPASCEP™ Pack

## Drinking Water Package Plant

OPASCEP™ Pack constitutes a large range of skid-mounted systems for drinking water treatment in compliance with the World Health Organization's (WHO) recommendations. Certified ACS, the OPASCEP units use well-known and efficient technologies to produce high quality drinking water: coagulation, flocculation, lamella clarification, pressure sand filtration, and disinfection.

Flow rates:  
from 10 up to 125m<sup>3</sup>/h per unit

### Features & Benefits

- Cost-effective; Complete treatment line including all necessary equipment and reagent
- Proven technology combining physico-chemical process and pressure filtration
- Compliant with the French ACS standards and meets W.H.O recommendations
- Modular; can be combined for larger capacities or specific treatment applications
- Easy to operate; remote control device
- Plug & Play, ready to install
- Fully-automated or robust manual operation
- Skid-mounted or containerized systems

### Applications

- Production of potable water for small and medium-size cities
- Surface water treatment

### Related Services

- Support for installation and commissioning
- Local after-sales service for preventative and corrective maintenance program
- Tailor-made design according to project

### Hydrex™ Chemicals

Associated conditioning Hydrex™ solutions for optimum operation: Hydrex 3000 and 6000 series (coagulants and flocculants)



## System Dimensions & Performances

Model	Flow	Flocculation Volume	Total Settling Area	Total Filtration Area	Media Height	Electrical Power	Empty Weight	Packing
-	m <sup>3</sup> /h	m <sup>3</sup>	m <sup>2</sup>	m <sup>2</sup>	m	kW	tons	Container
OPASCEP 10	10	2	1.2	1.6	1.0	7	5.5	1x20'
OPASCEP 20	20	3.8	2.4	2.6	1.0	10	6.7	1x40'
OPASCEP 30	30	6	3.2	4.0	1.0	13	7.7	1x40'
OPASCEP 50	50	8.7	6	6.2	1.0	15	9.7	1x40' + 1x20'
OPASCEP 80	80	11	7	10.7	1.0	25	12.3	2x40' + 1x20'
OPASCEP 100	100	14	8.2	12.7	1.0	25	13.9	2x40' + 2x20'
OPASCEP 125	125	24	11.6	16.1	1.0	28	15.4	2x40' HC + 2x20'

### A compact drinking water unit

The OPASCEP unit is composed of a coagulation and flocculation settling skid followed by a filtration skid. A skid used for preparing and dosing the pre-conditioning and disinfection reagents is incorporated. The backwashing equipment is installed on-board the skid.

The filters are backwashed using an innovative permutation system that avoids the use of a filtered water tank. These skids are designed to fit into containers.

#### COAGULATION-FLOCCULATION:

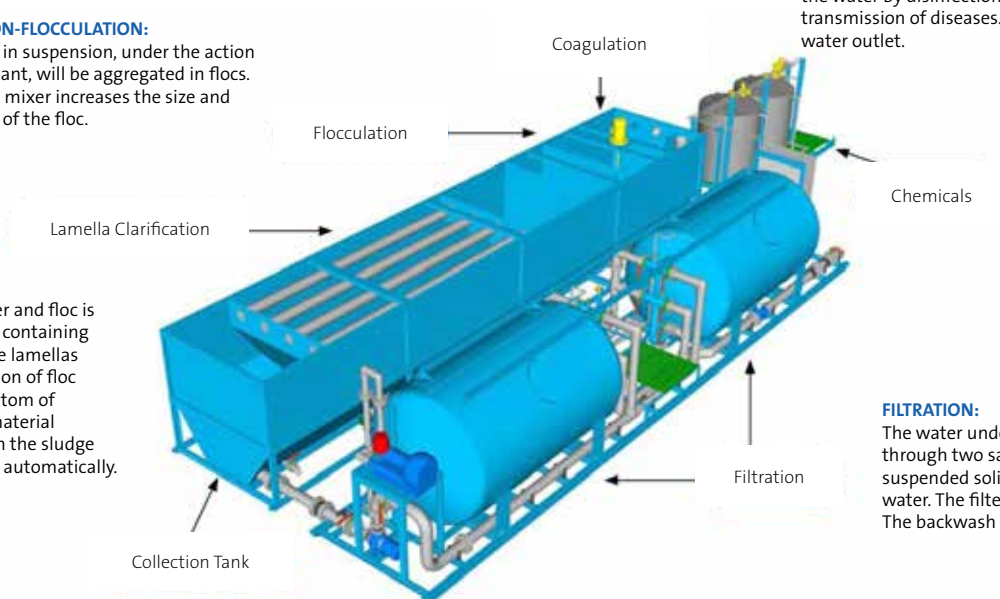
The particles in suspension, under the action of the coagulant, will be aggregated in flocs. A slow speed mixer increases the size and the cohesion of the floc.

#### DISINFECTION:

The elimination of microorganisms and viruses in the water by disinfection processes help avoid the transmission of diseases. It is carried on the treated water outlet.

#### CLARIFICATION:

The separation of water and floc is done in a settling tank containing lamella modules. These lamellas accelerate sedimentation of floc which settle to the bottom of the tank. The settled material accumulation will form the sludge and will be withdrawn automatically.



#### FILTRATION:

The water under pressure, goes through two sand filters which trap the suspended solids still present in the water. The filters are regularly washed. The backwash can be automatic.

For higher flow rates or other processes, consult your local Veolia Water Technologies representative.

Visit our website: [www.veoliawatertechnologies.com](http://www.veoliawatertechnologies.com)