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 125 m³/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)
OPASCEP™ Pack

System Dimensions & Performances

<table>
<thead>
<tr>
<th>Model</th>
<th>Flow</th>
<th>Flocculation Volume</th>
<th>Total Settling Area</th>
<th>Total Filtration Area</th>
<th>Media Height</th>
<th>Electrical Power</th>
<th>Empty Weight</th>
<th>Packing</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>m³/h</td>
<td>m³</td>
<td>m²</td>
<td>m²</td>
<td>m</td>
<td>kW</td>
<td>tons</td>
<td>Container</td>
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<tr>
<td>OPASCEP 10</td>
<td>10</td>
<td>2</td>
<td>1.2</td>
<td>1.6</td>
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<td>7</td>
<td>5.5</td>
<td>1x20’</td>
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<td>3.8</td>
<td>2.4</td>
<td>2.6</td>
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<td>6.7</td>
<td>1x40’</td>
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<td>3.2</td>
<td>4.0</td>
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<td>13</td>
<td>7.7</td>
<td>1x40’</td>
</tr>
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<td>8.7</td>
<td>6</td>
<td>6.2</td>
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<td>15</td>
<td>9.7</td>
<td>1x40’ + 1x20’</td>
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<td>7</td>
<td>10.7</td>
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<td>25</td>
<td>12.3</td>
<td>2x40’ + 1x20’</td>
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<td>8.2</td>
<td>12.7</td>
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<td>13.9</td>
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<td>28</td>
<td>15.4</td>
<td>2x40’ HC +2x20’</td>
</tr>
</tbody>
</table>

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.

**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.

**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.

**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

In keeping with the progressive nature of the company, we reserve the right to amend details without notice.

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