SPIDFLOW™ Pack
Rapid Dissolved Air Flotation

SPIDFLOW™ PACK is the new generation of fast flotation system to treat water by effectively removing color, suspended solid and algae. It comprises a coagulation stage, followed by a flocculation step and a clarification phase. The fast flocculation stage may also use a Turbomix™ when dealing with cold water, even without additional use of polymers. SPIDFLOW™ PACK provides unequalled water treatment efficiency by eliminating:
- Over 99% of algae
- Over 50% of organic matters
- Over 90% of colour
- And over 90% of oils and hydrocarbons

Flow rates: up to 643 m³/h per unit

Features & Benefits
- High performance system
- Floatation velocity of 40 m/h
- Highly reactive to water quality variation
- Very compact process
- High sludge concentration
- Low operating costs; well-managed energy consumption, moderate use of chemicals

Related Services
- Support for setting up and commissioning
- Local after-sales service for preventative and corrective maintenance program
- Tailor-made design according to project

Applications
- Pretreatment of seawater desalination before a granular or membrane filtration
- Purification of surface water containing up to 80 mg/l of suspended solids during episodic peak
- Groundwater treatment (turbidity, Fe, Mn, H₂S)
- Colorful and rich in algae water, organic matter and humic substances
- Wastewater treatment; Clarification downstream Moving Bed Biofilm Reactor (MBBR)

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

WATER TECHNOLOGIES
# System Dimensions & Performances

<table>
<thead>
<tr>
<th>Model</th>
<th>Max Flowrate (Q m³/h)</th>
<th>Length (L m)</th>
<th>Width (I m)</th>
<th>Tank Height / Water Height (H/h m)</th>
<th>Minimum Flocculation Time (Tfloc min)</th>
<th>Minimum Injection Time (Tinj min)</th>
<th>Flotation Surface (S m²)</th>
<th>Max Flotation Velocity (V m/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFP 400-F</td>
<td>135</td>
<td>6.1</td>
<td>1.5</td>
<td>3.65 / 3.45</td>
<td>5.1</td>
<td>1.2</td>
<td>3.8</td>
<td>40</td>
</tr>
<tr>
<td>SFP 500-F</td>
<td>218</td>
<td>7.2</td>
<td>2.0</td>
<td>3.65 / 3.45</td>
<td>5.1</td>
<td>1.1</td>
<td>6.0</td>
<td>40</td>
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<tr>
<td>SFP 600-F</td>
<td>318</td>
<td>8.3</td>
<td>2.5</td>
<td>3.65 / 3.45</td>
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<td>8.8</td>
<td>40</td>
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<tr>
<td>SFP 700-F</td>
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<td>9.4</td>
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<td>3.65 / 3.45</td>
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<td>11.6</td>
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<td>3.65 / 3.45</td>
<td>5.1</td>
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<td>17.5</td>
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For higher flow rates or other processes, consult your local Veolia Water Technologies company, details below.