

# 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 m<sup>3</sup>/h per unit

## Features & Benefits

- High performance system
- Flotation 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

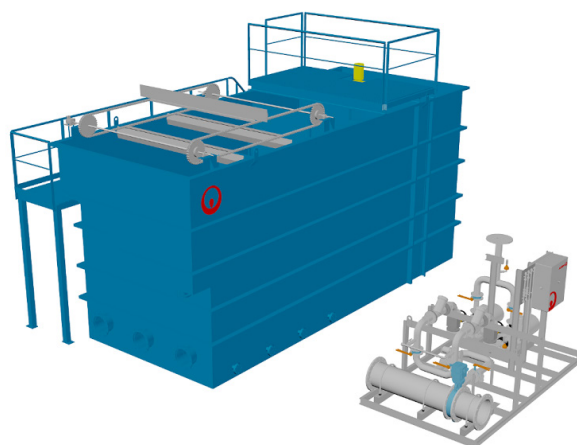
- Support for setting up and commissioning
- Local after-sales service for preventative and corrective maintenance program
- Tailor-made design according to project

## 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, H<sub>2</sub>S)
- Colorful and rich in algae water, organic matter and humic substances
- Wastewater treatment; Clarification downstream Moving Bed Biofilm Reactor (MBBR)

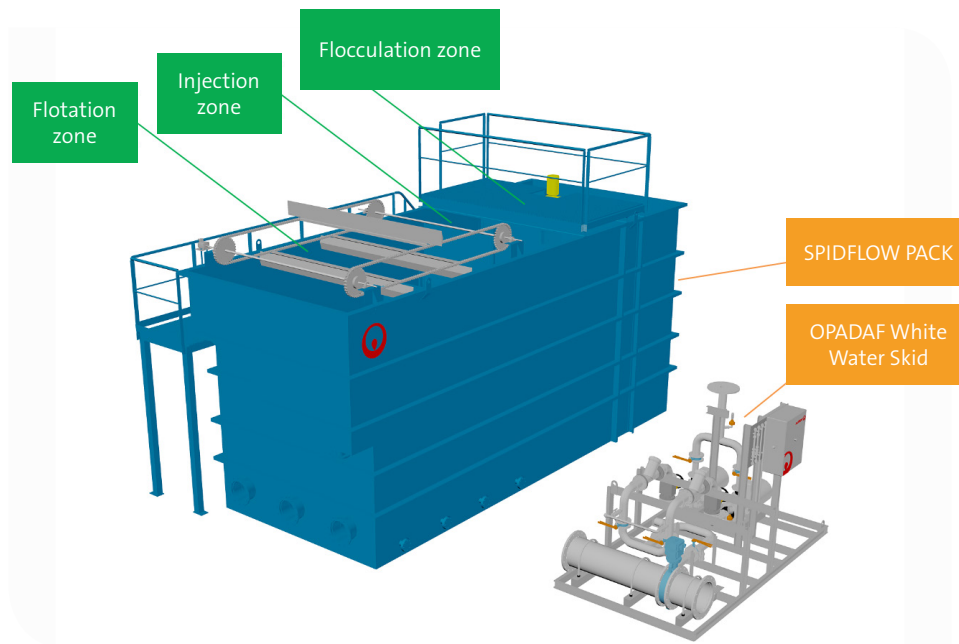
## Hydrex™ chemicals

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



## System Dimensions & Performances

Model	Max Flowrate	Length	Width	Tank Height / Water Height	Minimum Flocculation time	Minimum Injection time	Flotation surface	Max Flotation Velocity
	Q (m <sup>3</sup> /h)	L (m)	l (m)	H/h (m)	Tfloc (min)	Tinj (min)	S (m <sup>2</sup> )	V (m/h)
SFP 400-F	135	6.1	1.5	3.65 / 3.45	5.1	1.2	3.8	40
SFP 500-F	218	7.2	2.0	3.65 / 3.45	5.1	1.1	6.0	40
SFP 600-F	318	8.3	2.5	3.65 / 3.45	5.1	1.0	8.8	40
SFP 700-F	434	9.4	3.0	3.65 / 3.45	5.1	1.0	12.0	40
SFP 800-F	643	11.6	3.5	3.65 / 3.45	5.1	0.9	17.5	40



For higher flow rates or other processes, consult your local Veolia Water Technologies company, details below.

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