

# Greendaf™ BWW

biofilter wash water treatment

○ urban wastewater



optimize the yield and footprint of your treatment line by reducing returns at the head

○ **compactness**

a compact system which minimizes the overall dimensions of the equipment

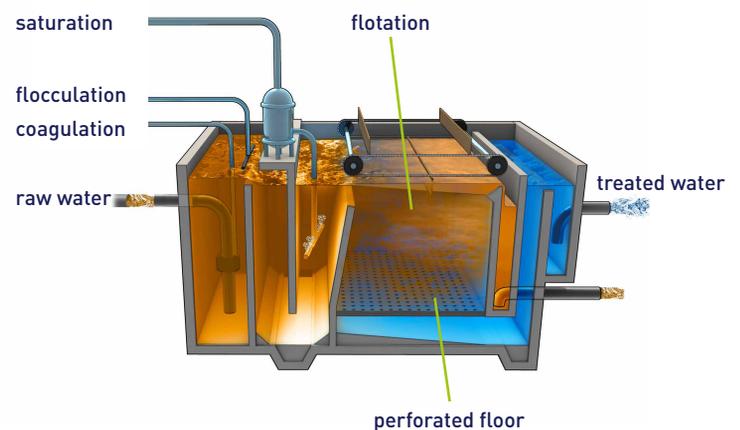
○ **performance**

optimized thickening of the sludge promotes the later stages of treatment

## innovation

**inclusion of a fast flotation unit coupled to biofilters for exclusive treatment of wash water leading to an overall reduction in hydraulic and / or pollutant load throughout the treatment line**

Using combined pressurization and fast flotation technologies, the Greendaf™ BWW purifies biofilter wash water – which is heavily loaded with suspended matter – with the ability for direct discharge into the natural environment.



## key figure

up to

**50%**

less floor area



## Greendaf™ BWW technology . . .

A compact additional treatment structure installed in parallel with a conventional urban wastewater treatment line, the Greendaf™ BWW is designed to be coupled with a biofilter type process (e.g.: Biofor™) to reduce the return of biofilter wash water to the head of the line and thus reduce the hydraulic and / or pollutant load on the whole treatment cycle.

Like the Greendaf™ TW, the Greendaf™ BWW is a fast flotation system (25 m/h) with air injection, running on the principle of indirect pressurization. Like the Greendaf™ TW, it is also equipped with a perforated floor flotation module, so that the treated water can be dispensed at a high rate.

**An optimal concentration at the end of the chain:** equipped with an in-line mixer for adding reagents and a surface chain scraper for optimal sludge thickening, it does differ from the Greendaf™ TW in the lack of a flocculation zone.

Note that the sludge after treatment by the Greendaf™ BWW also records similar concentrations to those of thickened sludge, i.e. 15 to 30 g per liter, and is removed with a scraper.

## . . . what it can do for you

### compactness and modularity

- a structure perfectly compact
- used to reduce the overall ground dimensions of your installations
- modular design can fit the output of most existing installations



### simplicity of operation and safety

- visibility of each stage of treatment
- instant start-up and shut-down with no specific precautions for increased personnel safety



### performance

- increases the overall yield of your treatment line because of the reduction or elimination of returning wash water to the head of the line
- promotes constant output to optimize operation of your existing equipment
- used to obtain sludge with concentrations similar to those of thickened sludge, through a built-in scraper



## among our references

Aquapole Grenoble, France  
2 x 350 m<sup>3</sup>/h flow rate

SUEZ treatment infrastructure

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