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.

**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

**key figure**

up to 50% less floor area

**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
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

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

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

among our references

Aquapole Grenoble, France
2 x 350 m³/h flow rate

SUEZ treatment infrastructure
innovation.mailin@degremont.com
www.degremont.com