PROTEUS is a high-rate media filtration system that can simultaneously perform physical filtration and biological treatment in a single reactor. The secondary treatment system is an up-flow biological aerated filter (BAF) that uses expanded polypropylene as a floating fixed-film media. PROTEUS can be configured to accomplish a range of secondary treatment functions, such as BOD reduction, nitrification, and denitrification.

PROTEUS not only eliminates the need for clarifiers and tertiary filtration, but also minimizes the overall system footprint and significantly reduces operation and maintenance requirements.

Unlock Space
Inside Your Facility!

PROTEUS shrinks traditional process footprints, making room for new facilities, upgraded treatment, and more.

REFERENCE: Jungnang WRRF | Seoul, Korea
250,000 m³/d process train (66 MGD)

PROTEUS Primary Filtration reclaimed 80% of primary clarifier footprint.

PROTEUS Secondary BNR Biofilter trains added total nitrogen treatment while recovering 50% of aeration basin footprints at the same time.
The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

If you’d like to learn more, please contact JL@BKT21.COM or call (714) 578-0676 x112.

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