

The Best in Phosphorus Removal.

Using Two Proven Technologies

AquaSBR®



AquaDisk®



Discharge limits for phosphorus removal are more stringent than ever and pose a definite challenge for treatment plants. The degree of removal required by a

facility is determined by the quality of the receiving stream. Although a high degree of phosphorus removal can be achieved with a more sophisticated secondary treatment process such as an AquaSBR®, some plants require phosphorus levels to be less than 1.0 mg/l. In this case, tertiary treatment is essential and even lower levels can be achieved with the AquaDisk® cloth-media filter.

Significant

Nutrient Reduction -

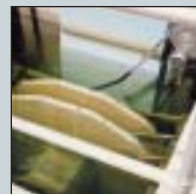


The AquaSBR® sequencing batch reactor is an activated sludge process in which all phases of treatment are accomplished within a single reactor.

This True Batch system is proven to be an efficient, reliable means of wastewater treatment, capable of producing a high quality effluent with respect to BOD, TSS, Total Nitrogen and Phosphorus. In typical municipal wastewater, a limit of 1.0 mg/l of phosphorus can be accomplished.

Exceptional

Effluent Polishing -



The AquaDisk® Filter uses a cloth-media consisting of a random weave fabric, which permits clarified influent to pass through each stationary hollow

disk while fine particulate matter collects on the surface of the media. The filter is typically used in conjunction with chemical addition to the SBR system to easily achieve phosphorus levels of less than 1.0 mg/l, and has consistently met effluent as low as 0.1 mg/l. This unique cloth-media filter has been shown to produce higher quality effluent with respect to TSS, Turbidity and Phosphorus.

Optimum

Phosphorus Removal -

The AquaSBR® and AquaDisk®, when used in combination, not only offer the optimum in phosphorus removal, but also offer significant cost, space and operational advantages and a low life cycle cost compared to other treatment methods. For existing wastewater plants that currently operate a less efficient secondary treatment process where achieving low levels of phosphorus is a challenge, the AquaDisk® has simply been integrated into the existing treatment scheme.



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