

Brightwork® Sand Filter

High-performance, moving bed filter for Tertiary treatment

Product Summary

The Brightwork® Sand Filter is an high-performance, moving bed media filtration system with integral Sand-Cycle® smart remote monitoring and control to help water companies ensure that final effluent is compliant with their permitted limits.

Applications

Tertiary treatment of wastewater at wastewater treatment plants:

- » Final effluent polishing
- » Nitrogen removal
- » Phosphorus removal

Targeted pollutants

- » Biological nitrification
- » Biological denitrification
- » Total Suspended Solids (TSS)
- » BOD
- » Phosphorus
- » PAC / MAC ?????? -

Benefits

Stay compliant with consistent, high-quality performance

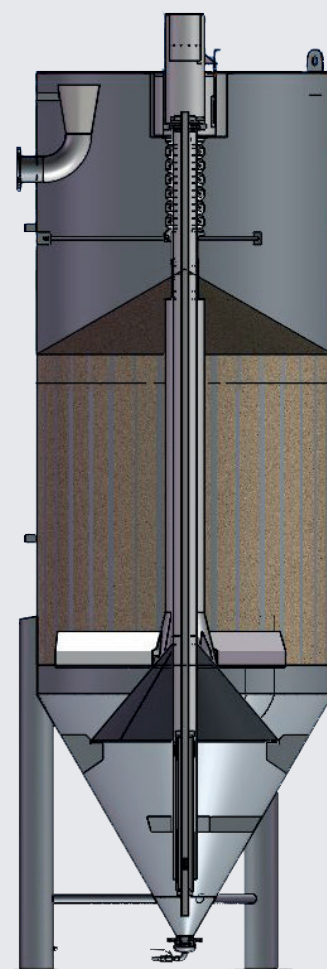
The Brightwork® Sand Filter is robust, providing consistent performance under varying hydraulic and solids loadings helping water companies stay compliant.

Reduce design and installation time and costs

The system is modular in design, right down to the gantry, walkways and control kiosks, cutting the design time. The modular components plug-and-play also reducing the time required for installation by weeks - all that is needed is a concrete slab to site the equipment on.

Cut inspection time and cost with remotely monitored performance

The Brightwork® Sand Filter is supplied with an integral, patented, intelligent Sand-Cycle® technology which allows operators to monitor and control the filter operations in real-time. This provides early detection of changes in performance and assists with predictive maintenance planning.



Pollutant removal performance

Process	Target pollutant	Typical concentration	
		In	Out
Biological nitrification / BOD removal	NH ₄ ⁺ - N BOD	5 - 20 10 - 40	1 - 5 5 - 15
Biological denitrification	NO _x - N	10 - 50 5 - 10	0 - 5 0 - 1
P removal	PO _x - P	5 - 10 1-2	1 - 2 0.1 - 0.2
TSS removal	TSS	40 - 200 10 - 40	10 - 50 1 - 10



Find out more about how the Noggerath® Centre-Flo Band Screen can help protect your treatment works:

→ hydro-int.com/centreflo-screen