

# CONTINUOUS BACKWASH SAND FILTERS



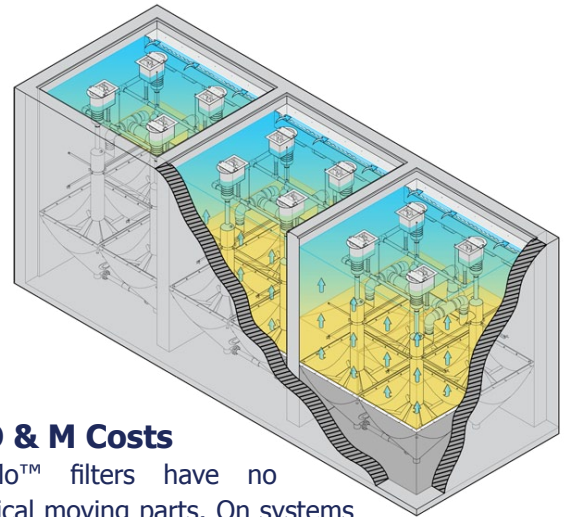
Blue Water's Centra-flo™ filters have been designed to maximize performance. In every application involving granular media filtration, the Centra-flo™ continuous backwash sand filter is the premier choice for the removal of suspended and colloidal solids. Classified as an upflow, dynamic bed filter, Centra-flo™ provides a continuous supply of high quality filtrate without interruptions for backwash or cleaning cycles.

Regardless of the application or industry, the clear solution for tertiary filtration is Centra-flo™. Throughout the USA and around the world, Centra-flo™ filters are helping clients meet discharge targets and NPDES permits as efficiently and as economically as possible. As the vessel for Blue Water's patented Blue PRO® and Blue NITE™ advanced nutrient removal processes, the Centra-flo™ filter incorporates proprietary internal assembly designs and control systems into its carefully considered configuration. Whether your purpose is metals removal, solids polishing, or nutrient removal, Blue Water can help you reduce process costs and achieve optimum performance.

With over twenty years of international installation history and experience, Centra-flo™ filters have established a reputation in the wastewater industry for providing effective solutions to municipal and industrial clients alike.



0.75 MGD (33 L/s) Centra-flo™ installation in New York



## Low O & M Costs

Centra-flo™ filters have no mechanical moving parts. On systems designed for gravity feed flow, there are no pumps, valves, or complex control systems. The only operating cost incurred by the customer is the air consumption of the airlift. Each airlift, which continuously circulates spent media to the washbox, consumes between 1 to 3 scfm at 40 psi (1.7 to 5 m<sup>3</sup>/h at 275 kPa gauge). With quality components designed for longevity and minimal media loss, Centra-flo™ systems guarantee customers minimal O & M costs.

Centra-flo™ filters meet and exceed the most stringent construction requirements in the industry. Blue Water provides the Centra-flo™ filter in either fiberglass reinforced plastic or stainless steel for circular above-ground installations and rectangular concrete modules in below-grade hydraulic profiles.

Several ancillary system options are available for specific customer needs including Seismic 4 designed tanks and heat tracing or insulated tanks where climate extremes are anticipated.

## Centra-flo™ Applications:

### Industrial

- Metals Removal
- Mill Scale
- Pulp and Paper Process Water
- Surface Water
- Oil/Emulsion Waste
- Cooling Towers
- Mining

### Municipal

- Potable Water Filtration
- Water Reuse: CA Title 22 Accepted
- Tertiary Filtration
- Algae Removal, Lagoons
- Phosphorus Removal
- Denitrification
- Metals Removal

