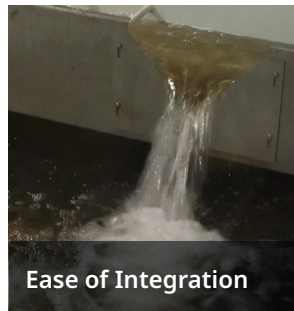
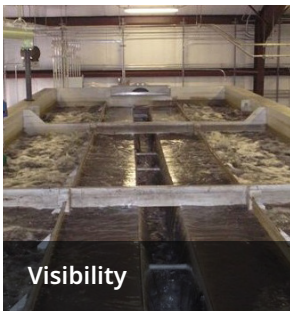


GRAVITY FILTRATION

 **TONKAWATER™**
a Kurita brand



Gravity filtration allows for smooth flow with minimal disturbance of formed solids, which can be sheared through mechanical pumps and turbulent flow. Operators enjoy ease of access, whether for observation during treatment, or maintenance while out of service. Kurita America's Filtralator™ line of gravity filters provides a range of design possibilities with multiple options for underdrains, filter media and backwash type.

KURITA AMERICA ADVANTAGE



GRAVITY FILTER BENEFITS

- Smooth flow for minimal disturbance of formed solids
- Ease of access
- Customizable design
- Flexible operation
- Steel or concrete construction
- Use of any filter media
- Simul-Wash™ combined air/water backwash available

Visibility

Gravity filters operate under atmospheric conditions, allowing for direct observation during operation. The filters are often uncovered for ease of inspection and maintenance, or covered units can accommodate large manways that are easily removed without the need to loosen bolts and fasteners.

Ease of Integration

Media filtration is often the final step in a gravity treatment system, which uses the natural flow of water to drive multiple treatment processes in series like aeration, flocculation, and detention. This eliminates the use of pumps during treatment, which can shear and break up the carefully formed solids.

Fully Customizable

We customize our gravity filters to meet your specific needs, with different options for inlet distribution, underdrains, filter media, and backwash type, including Simul-Wash combined air/water backwash. Overall dimensions are flexible to provide the required filter area in your desired floorplan.

Operational Flexibility

Gravity flow allows for the independent operation of multiple cells within a single filter unit, and the backwash of individual cells can be staggered without affecting flow distribution or treated water quality. Each cell can be backwashed when appropriate and no sooner, giving greater flexibility in operation than an equivalent pressure application.

GRAVITY FILTER LINE OF PRODUCTS

TARGETED INDUSTRIES

- Agriculture
- Biofuels
- Food & Beverage
- General Manufacturing
- Mining
- Municipal Drinking Water
- Power Generation

Fabricated Systems

Our Filtralator gravity filters can be shop-fabricated for delivery to site, in round single-cell, or rectangular multi-cell configurations. Multi-cell configurations can be common-level modular units, where each unit is backwashed out of service; or isolated cell construction for independent operation and in-service backwashing.

Concrete Filters – Field Construction

We offer a full line of filter components for implementation into concrete basins, providing single-source responsibility for field-constructed systems. Kurita America's BLEU™ is a next-generation stainless-steel underdrain for direct media retention offering a low profile, and our Uni-Cast™ II allows for a continuously poured concrete plenum. Our Simul-Wash troughs retain media during combined air/water backwash, maximizing filter cleaning while minimizing water waste.

Centralator™

Kurita America's Centralator is a four-cell cluster filter that centralizes both inlet distribution and backwash collection to eliminate pipe galleries and optimize footprint. The design allows for backwashing in-service with source water, without the need for additional pumps or the use of finished water. We can customize to your specific application needs by incorporating any available filter components into this efficient design.