



Better High-Solids Filtration Platform for OEMs

The Spiral Water T1000® automatically removes suspended solids from the toughest wastewater streams while maintaining continuous flow and minimizing operator attention.

High solids streams are among the most demanding challenges in industrial water treatment. Whether generated by food and beverage processing, industrial manufacturing, renewable natural gas (RNG) production, wastewater treatment, or water reuse applications, fluctuating solids concentrations can place significant stress on conventional filtration systems. The result is often frequent maintenance, excessive water consumption, reduced process efficiency, and costly unplanned downtime.

Traditional filtration technologies frequently rely on backwashing or manual cleaning to maintain performance. As solids loading increases or operating conditions change, these systems can become less effective, requiring more operator attention and increasing both maintenance costs and water loss.

Spiral Water's filters address these challenges differently. Our patented automatic self-cleaning filtration technology continuously removes solids while maintaining reliable performance under demanding operating conditions. Instead of interrupting production for frequent cleaning cycles, Spiral Water systems automatically clean the filter screen during operation, helping maintain consistent flow while minimizing maintenance requirements.

Beyond reducing maintenance, effective solids management delivers broader operational benefits. Recovering valuable process water, reducing the volume of waste requiring disposal, and protecting downstream equipment can improve overall system efficiency and lower operating costs. More stable filtration also supports greater process reliability, allowing facilities to focus on production rather than equipment maintenance.



These advantages make Spiral Water filtration well suited for a wide range of applications, including industrial wastewater treatment, food and beverage processing, renewable natural gas production, industrial manufacturing, and water reuse systems. **In each case, the objective is the same: deliver dependable filtration performance while maximizing water recovery and minimizing lifecycle costs.**

High solids applications will always present operational challenges—but they don't have to translate into high maintenance. With the right filtration technology, facilities

can improve reliability, reduce maintenance demands, and keep critical processes operating efficiently even under the most challenging conditions.

[Learn More](#)



Food & Beverage Processing: Smarter Filtration for Better Performance

Food and beverage manufacturers face constant pressure to improve efficiency, reduce water consumption, and maintain consistent product quality.

Did you know that Spiral Water's advanced automatic self-cleaning filtration systems are designed to help processors achieve these goals while simplifying operations? Our filters:

Reduce suspended solids: Efficient removal of suspended solids helps improve water quality and supports the reduction of microorganisms in

process water.

Lower chemical consumption: By removing solids before sanitation processes, Spiral Water filtration systems can reduce the amount of chemicals required for cleaning and sanitizing operations.

Protect product quality and maximize yield: Unlike some filtration technologies that can affect product characteristics, Spiral Water's filtration process helps preserve taste, texture, and other important qualities while minimizing product loss.

Recover and reuse valuable water: Process water from washing, peeling, blanching, dehydrating, and other food processing operations can be filtered for reuse in appropriate applications, helping facilities recover valuable water resources. Our systems can achieve continuous water recovery rates of up to 99%.

Support sustainability goals: By removing significant levels of total suspended solids (TSS) and reducing biological oxygen demand (BOD) in wastewater, Spiral Water's technology helps lessen environmental impact while supporting wastewater management objectives.

Compact, scalable design: Engineered with a small footprint, Spiral Water filtration systems are easy to integrate into existing operations and scale as production grows while requiring minimal routine maintenance.

[Learn More](#)

Countdown to WEFTEC

Join Spiral Water at WEFTEC 2026, Booth # 8654, which will take place this Fall at the Ernest N. Morial Convention Center in New Orleans, Louisiana. The conference dates at September 26-30 and the Exhibition runs September 28-30. We hope to see you there!



Spiral Water Model T1000 – A Unique High Solids Water Treatment Solution



[Watch the Video Now](#)

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