



Leading the Way in Automatic Self-cleaning Filtration Solutions

Spiral Water has led the way in automatic self-cleaning filtration technology since introducing its first filtration system in 2015. Over the years, we've continued to improve and enhance the performance of our advanced filters. Today our products are being used in a wide range of industries from biogas production and food processing to natural water filtration systems, distilleries and breweries, land-based desalination, maritime desalination, farm wastewater recovery, biopharma, and oil & gas to name a few.

We offer several configurations of its advanced automatic, self-cleaning filters to accommodate a wide range of high solids filtration and separation needs:

Our widely used [Series 800 Model 850 Automatic Filter](#) is our cornerstone product and most compact product line, designed for lower flow applications 10 - 75 gpm. Available in stainless steel and PVC, the Model SWT850 removes high total suspended solids (TSS) and reduces water lost to waste by 90%.



Our larger [Series 1000 Automatic Self-cleaning Filters](#) are designed to handle medium to high flow, high pressure, high temperature applications and liquid/solids separation. The Model T1000—our most widely used product—is intended for industrial applications while our Model H1000 with Tri Clover connections and fully electropolished housing, accommodates food & beverage applications.

Our advanced [High Solids Water Recovery \(HSWR\) System](#) is a customizable, cost-efficient turnkey solution that maximizes the recovery and reuse of water from industrial and other challenging wastewater streams. It combines our Series 1000 automatic, self-cleaning filters with other industry equipment in various configurations depending on the intended application.



Regardless of the model, all Spiral Water filters are engineered to deliver superior performance while reducing CapEx and OpEx. Learn more about our products [here](#).

Watch Our New Video!



Have you ever wondered what makes Spiral Water Technologies' filtration technology so effective? [Watch our new video](#) Spiral Water Model T1000 – A Unique High Solids Water Treatment Solution – to get a close-up look at our most popular filter in action.

Come See Us at Biogas Americas



If you are attending Biogas Americas 2025, April 28-30 in Denver, Colorado—please visit us at Booth #934, where we'll be showcasing our filtration solutions for this increasingly important market.

Filtration is a critical component of biogas/RNG production and processing, as biogas sources need to be screened, conditioned and dewatered before they can be turned into renewable natural gas. Effective automated higher solids filtration systems can remove many unwanted components in the feed stream in order to produce a cleaner, higher yield energy source. Spiral Water's products are used in Biogas/RNG treatment processes including:

Gas Scrubbing

Gas scrubbers play a key role in the practical implementation of biogas and green hydrogen technologies by removing impurities and cooling the gas stream. [Water gas scrubbers](#) are highly effective at removing a wide range of impurities from gas streams and offer other significant benefits: They are easily scalable, depending on the size of the plant, and because they use water (a non-toxic solvent), this is an environmentally friendly process. Spiral Water's Automated T1000 allows recirculated water reuse with filtration effectiveness to 15 micron.

Feedstock Conditioning

Spiral Water's systems are placed before anaerobic digesters to condition feedstock and remove as much non digestible contaminants as possible before it goes through the next stage in the filtration process. Through different case studies, preconditioning feedstocks have shown a [10-30% increase in methane production](#) while also reducing OpEx.

Digestate Processing

Post AD processing of digestate requires variable TSS conditioning. Conventional Backwash Filters often cannot manage the higher TSS and end up disrupting the digestate conditioning process.. Our high solids, automatic mechanical self-cleaning systems are used to protect DAF's and MBR's by removing inorganic non-digestible solids and homogenizing digestible solids from the post AD stream. This produces cleaner solid and liquid fertilizers and in food waste systems helps to remove microplastics.

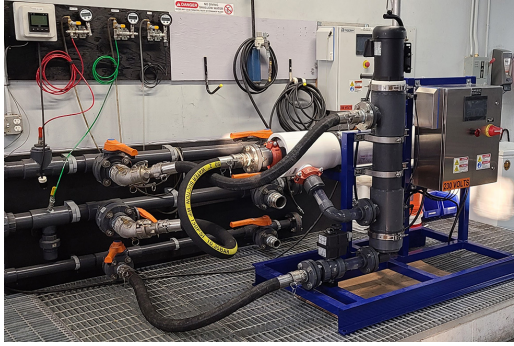
[Download Our Biogas Flyer to Learn More!](#)

Providing Industrial Water and Wastewater Integration Services

Did you know that Spiral Water Technologies offers development of custom industrial water and wastewater systems? We can create a tailored solution featuring our patented advanced self-cleaning filtration products that meets

your specific requirements, whether you require a standalone product or a full, custom-integrated system.

Specially designed to seamlessly integrate into our customers' existing filtration systems, our products provide enhanced efficiency without extensive modifications. For example, we offer a [Pre R/O System](#) that uses our Model 850 automatic self-cleaning filters and is capable of handling upset conditions up to 2,000 ppm without operator assistance. We can also design and engineer bespoke water filtration systems that incorporate our filters.



[Learn More](#)

Global Connections

While it is based in New Jersey, USA, Spiral Water has established a global presence as a member of the prestigious Institut de la Filtration et des Techniques Séparatives ([IFTS – International Filter Testing Services](#)).



An independently regulated, ISO 17025 accredited laboratory and research center based in France, IFTS is the world's leading organization dedicated to solid-liquid separation. Its operations include a renowned research and experimentation station that assesses the behavior of pilots and industrial equipment on real waters with different characteristics.

Through this affiliation, Spiral Water works hand-in-hand with global filtration manufacturers as well as other water systems and filter manufacturing firms as marketing and commercialization partners to apply its technology to new applications and help solve challenges that the water industry has faced.

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