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## Join Us at the World Filtration Congress in San Diego!



Spiral Water will be exhibiting at the [World Filtration Congress 13](#) (WFC 13), October 5-9 at the San Diego Bayfront Hilton. Please join us at Booth 616, where we'll be showcasing our next generation automatic self-cleaning filters for advanced high solids separation and concentration.

We are proud to take part in this prestigious event. Hosted by the American Filtration and Separation Society, WFC 13 will have both an exhibition highlighting the latest technologies and equipment and a robust technical program on filtration & separation (F&S). The congress is held once every four years, rotating among member countries of INDEFI (International Delegation on Filtration), Austria, Australia, China, Chinese Taipei, France, Germany, Hungary, India, Japan, Korea, Nordics, UK, and USA. Its purpose is to foster a forum for scientists, engineers, and professionals throughout the world working on F&S to meet and share the latest advances and technologies.

This is a great opportunity to learn first-hand about our breakthrough products. Our filters are ideal for wastewater TSS/BOD removal and process bulk solids removal up to 15,000 mg/l/ TSS (15% by volume and continuous 15 to 1500 micron filtration). These filters provide 99%+ water recovery. Featuring optimized high solids filtration, our filters also offer valuable waste management and dewatering benefits. Our proprietary one-pass filtration process means no backwash or cross-flow. The bottom line is that our filters reduce both CapEx and OpEx to deliver low Total Lifecycle Cost.

#### Applications include:

- Water reuse and recovery
- Concentration of valuable or resalable product
- Pre-filtration for DAF, MBR and RO/UF
- Industrial water filtration

#### Our filters are used in a wide range of industries including:

- Food & beverage
- Breweries and wineries
- Industrial users
- Energy: power generation and hydropower
- Desalination

We invite you to join us in San Diego! If you can't attend, please visit <https://www.spiralwater.com/products/> to learn more about our revolutionary products.

## Mike Collins, P.E., to Present Session at World Filtration Congress



Mike Collins, P.E., Engineering Manager for Spiral Water, will present a session focused on “Advanced Filtration & Concentration for High-Solids Water Systems” at the World Filtration Congress 13 at the San Diego Bayfront Hilton. The session takes place on Saturday, October 8; see the [schedule](#) for details. Here's a look at the topic.

“Managing high solids loading is a critical aspect of water and wastewater treatment in nearly every industrial process. Elevated or seasonally erratic levels of total suspended solids (TSS) in process water, wastewater or backwash water can wreak havoc on conventional backwash filtration and separation approaches, causing blockages, fouling and unplanned downtime that disrupt operations.

“Self-cleaning filter technology offers a viable and cost-effective alternative for treating difficult, particulate-heavy process and wastewaters. Although this technology has existed for decades, until recently it had proven unable to handle high solids loading for an extended period without blinding off. An innovative technology that utilizes a high-speed rotating cleaning device overcomes the challenges. Additionally, the systems clean themselves mechanically and do not require a typical backwash cycle. When a purge event is triggered, it lasts only 2-3 seconds and discharges about three gallons. This reduces backwash water to waste by 90%, resulting in substantial water savings,” says Mike.

We hope you can join us in San Diego. You can also reach us at 732-629-7553 to speak with one of our technical representatives to discuss how we can help you meet your filtration and separation needs.

## Spiral Water Leads Advancements in Filtration for Treating High Solids Wastewater

Self-cleaning filter technology offers a viable and cost-effective alternative for treating difficult, particulate-heavy process and wastewaters. Although this technology has existed for decades, until recently it had proven unable to handle high solids loading for an extended period without blinding off.



To address this, Spiral Water Technologies (SWT) has developed a liquid/solid separator and automatic self-cleaning filter designed to remove ultra-high and variable TSS (15,000 mg/L and more) from a fluid stream while simultaneously concentrating solids for low-volume discharge.

SWT offers operators of variable TSS process streams (e.g., oceans, rivers, lakes and ponds) less downtime due to natural upset conditions. Many end users who install Spiral Water systems in their natural cooling water processes see increased protection and uptime of their bearings, compressors, equipment and systems.

To learn more, [download this article](#) about Spiral Water's leading-edge advanced filtration solution for treating high solids wastewater.



## We are here to help you

**Get your free filtration audit.** Simply download and fill out our Application Data Sheet and email it to [info@spiralwater.com](mailto:info@spiralwater.com)

[Download Application](#)

**Call us** at 732-629-7553 to speak with one of our technical representatives to discuss your project or learn more about Spiral Water's next generation filters.

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