

Data Center Filtration

One Platform. Every Cooling Application.

The Strainrite Filtration Platform

Strainrite takes a platform approach to data center cooling filtration. Rather than selling individual components, we deliver a complete system—specialized housings paired with the right filter media for each application. The housing's value is fully realized when matched with our high-efficiency filters, giving you cartridge-level performance at filter bag economics.

The Platform Advantage

Zero-Bypass Housing

Our double O-ring seal creates an absolute-rated closure that prevents unfiltered water from bypassing the media—superior to standard bag or cartridge housings on the market.



Multiple Filter Options

One housing supports High-Efficiency bags, MADD MAXX high-capacity elements, Clarity sub-micron cartridges, and Disruptor antimicrobial media —match the right filter to each cooling loop.



Complete System Value

Housing + filters + custom vessels, all from one US manufacturer. Standardize across facilities, simplify spare parts, and reduce vendor complexity with a single platform.



Cooling Applications

- **Cooling Tower Side-Stream**
Remove TSS, protect heat exchangers, reduce blowdown.
- **Direct Liquid Cooling**
Sub-micron protection for cold plates, CDUs, rear-door HX.
- **Pre-Commission Flushing**
High dirt-holding capacity for construction debris removal.
- **Chilled Water Loop**
Prevent valve fouling, maintain flow efficiency.
- **Make-Up Water Pre-Treatment**
Pre-RO/DI filtration for humidification & adiabatic systems.
- **Equipment Protection**
Custom integrated vessel systems for new DC builds.

Platform Product Matrix

Filter / Element	Application	System Advantage
 High-Efficiency Bags	Cooling tower side-stream	Absolute-rated at bag cost; pairs with SRL/SRID housing
 Clarity Membrane Cartridges	DLC cold plate / CDU inline	Sub-micron ratings for high-purity liquid cooling
 MADD MAXX Hybrid Elements	Chilled water pre-commission	High dirt-holding capacity; inside-out flow design
 SRL/SRID Vessels & Housings	All DC filtration applications	Double O-ring seal; ISO 9001; custom configurations

Ask about sample kits and product evaluations.

Contact your Strainrite representative or email info@strainrite.com to get started.



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Who We Are

THE STRAINRITE COMPANIES has been engineering liquid filtration solutions for 48 years. We are a US-based manufacturer with ISO 9001/cGMP-certified production in Auburn, Maine. Our consultative approach means we work directly with your engineering team to size, specify, and deliver the right filtration system—not just sell you a filter.

What Makes Us Different

- **The Housing is the Differentiator**

Our SRL/SRID housings feature an absolute-rated double O-ring seal that eliminates bypass—unfiltered water cannot get around the media. This is superior to standard bag housings and most cartridge housings on the market. The result: cartridge-level particle retention at filter bag economics.

- **One Platform, Multiple Filter Options**

The same housing accepts High-Efficiency bags, MADD MAXX high-capacity elements, Clarity sub-micron cartridges, and Disruptor antimicrobial media. Choose the right filter for each application—cooling towers, chilled water loops, direct liquid cooling, or make-up water—without changing the housing infrastructure.

- **Disruptor Media for Biofouling Control**

Recirculating cooling loops are prone to biofilm buildup. Our Disruptor filter media has active antimicrobial properties that reduce biofouling in the system—an advantage no standard bag or cartridge can offer.

- **Sell the System, Not Just the Filter**

When you spec a Strainrite housing, you're locking in a platform that delivers ongoing value through our full line of high-efficiency filter options. One vendor, one housing, multiple media choices—standardized across every facility in your portfolio.

- **Consultative Engineering Support**

We provide basis-of-design spec language ready for your mechanical drawings and P&IDs. Our technical team sizes housings, selects media, and supports MEP engineers through the design process—from new builds to retrofits.

- **US Manufacturing, Fast Lead Times**

ISO 9001/cGMP-certified production in Auburn, Maine. Custom configurations to match your mechanical specs, responsive domestic supply chain, and no overseas lead-time risk.

LET'S START THE CONVERSATION

Our team can help you evaluate the platform for your cooling infrastructure:

- ✓ Assess your current filtration gaps across cooling loops
- ✓ Size and specify the right housing and media for each application
- ✓ Provide basis-of-design spec language for mechanical engineers
- ✓ Deliver sample kits and product evaluation support

Contact Your Strainrite Representative Today

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