

Enabling Mission-Critical Liquid Cooling for the AI Data Center Era

The rapid adoption of artificial intelligence and high-performance computing is reshaping data center infrastructure. As rack densities increase, traditional air cooling is shifting to advanced liquid cooling technologies, creating new demands for reliable Cooling Distribution Units at scale. To support this accelerating market, Munters, a global leader in climate control and liquid cooling, partnered with Harrington Process Solutions to strengthen engineering, optimize supply chain performance, and scale production. What began as a custom filtration project evolved into a strategic partnership spanning multiple manufacturing locations, product categories, and long-term operational support.

THE CHALLENGE

Accelerating demand for AI infrastructure created major engineering and operational challenges. Munters needed custom water/glycol filtration solutions that met strict flow, footprint, and performance requirements. Rising production volumes, supplier constraints, and vendor complexity required a partner offering technical expertise and reliable execution.

THE APPROACH

Harrington aligned specialists, suppliers, and resources with Munters' engineering, procurement, and operations teams. Working from concept through production, the teams solved engineering challenges while improving scalability and supply continuity. Harrington combined technical expertise, engineered products, and tailored supply chain strategies into an integrated solution.

THE RESPONSE

Harrington worked with Munters engineers to design, validate, and transition custom filtration systems into production. As volumes grew, proactive planning, alternate sourcing, logistics, and supply all adapted accordingly. The partnership expanded to engineered piping systems, Viega fittings, valves, and future instrumentation, pumping, and Vendor Managed Inventory opportunities supporting long-term growth.

THE RESULTS

Harrington enabled reliable production of mission-critical liquid cooling systems for hyperscale AI data centers worldwide. Engineering collaboration, responsive execution, and customized supply chain solutions expanded the partnership into a strategic enterprise relationship. This success demonstrates Harrington's ability to help partners accelerate innovation, strengthen supply chain resilience, and scale mission-critical infrastructure with confidence.

AT A GLANCE...

The Customer

- Munters

The Market

- Data Centers

As AI infrastructure demand accelerated, Munters partnered with Harrington to overcome engineering, production, and supply chain challenges. Through custom filtration design, scalable manufacturing support, and proactive supply chain strategies, Harrington helped deliver reliable liquid cooling solutions for hyperscale data centers worldwide. This partnership has grown into a strategic enterprise relationship and earned Harrington Munters' 2025 Supplier of the Year recognition.