

Cooling Loop Filtration Sourcing Guide

A practical guide for identifying, replacing, and sourcing filters, strainers, housings, and elements for data center liquid cooling systems.

Start with Your Filtration Need



Replace or Cross-Reference

Have a part number, photo, housing, equipment model, or maintenance list? King can help identify a compatible replacement path.

Common Products: Replacement elements, OEM equivalents, Cartridges, Strainers



Protect a CDU or Packaged Skid

Source filtration for CDU inlet protection, packaged cooling equipment, pump skids, heat exchanger skids, and OEM replacement needs.

Common Products: Inline strainers, cartridge housings, bag housings, skid assemblies



Support a Hydronic or Coolant Loop

Match filtration to coolant-loop needs including side-stream filtration, pump protection, heat exchanger protection, and glycol compatibility.

Common Products: Y-strainers, basket strainers, side-stream filters, compatible media



Plan Startup or Commissioning

Source temporary filtration for flushing, startup cleanliness, construction debris control, and system turnover.

Common Products: Flush skids, filter carts, high-flow housings, startup strainers

Start with what you have.

You do not need every specification to begin. A part number, photo, equipment model, drawing, filter dimensions, or known operating requirement can be enough to start the sourcing conversation.

King can help determine what information is missing and identify a compatible filtration path.



Match Filtration to the Application

Not just the part number.

From flow rate to fluid compatibility, King helps source filtration that fits the system, not just the product category.



Key Details for a Better Match

System Performance	Fluid Compatibility	Physical Fit	Sourcing Context
 Flow Rate Match filter and housing to required system flow.	 Fluid Type Account for water, coolant chemistry, or additives.	 Connection Size Verify inlet, outlet, and piping configuration.	 Part Number Cross-reference OEM or competitive numbers.
 Pressure Drop Avoid unnecessary restriction in critical paths.	 Glycol % Consider viscosity and operating conditions.	 Housing Material Match material to corrosion and environment.	 Photo / Drawing Use documentation to identify a path.
 Micron Rating Capture contaminants to required particle size.	 Temperature Confirm element, seal, and housing limits.	 Service Access Consider changeout space and maintenance needs.	 Timeline Support urgent, scheduled, or multi-site needs.

How King Supports Liquid Cooling Projects

- ✓ Cross-reference OEM and competitive part numbers
- ✓ Source filters, strainers, housings, and elements
- ✓ Identify hard-to-source or obsolete replacements
- ✓ Support startup flushing and permanent loop filtration
- ✓ Match filtration to flow, micron, pressure, and fluid
- ✓ Connect to broader system resources when needed

Have a part number, photo, drawing, or spec sheet?

King can help identify, cross-reference, and source liquid cooling filtration for CDUs, coolant loops, rack circuits, startup flushing, and OEM equipment.



Have your project reviewed by King's filtration experts.