

# Liquid Cooling Filter Sourcing Guide

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

## What Are You Trying to Do?



### Replace or Cross-Reference

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

**Typical sourcing:** 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.

**Typical sourcing:** 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.

**Typical sourcing:** 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.

**Typical sourcing:** 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.



## Application Fit Factors

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

## How King Supports Liquid Cooling Projects

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

### Have a part number, photo, housing, 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 our filtration experts*