FilterBridge Supply Data Center Filter PM & Spares Checklist

Maintenance and spare-parts checklist for cooling tower side-stream, makeup water, RO, commissioning flush and CDU secondary loops.

Send this checklist to sales@filterbridgesupply.com for a quote

Fill in your part numbers and quantities, or call (657) 500-0938. Quotes within one business day.

1. Change-out triggers

Filter	Published change-out point	Source
CDU secondary (TCS)	Built-in ΔP clog detection (e.g., Rittal In-Rack: 25 µm std, 50 µm optional). Follow the CDU maker's alarm.	Rittal SK 3343.230 datasheet
Flush / commissioning	Replace at about 10 psi ΔP	OCP TCS pre-commissioning guideline
Cooling tower side-stream	At the ΔP limit your treatment provider or system maker sets	DOE FEMP

2. Every round

☐ Read and log inlet/outlet pressure on each housing; note ΔP.
☐ Check housings and lids for leaks or weeping seals.
☐ Confirm side-stream flow is running (DOE FEMP: 3–10% of recirculating flow, up to ~20% in dusty sites).
☐ Pass any CDU filter ΔP alarm to the CDU owner/OEM.

3. At each filter change

☐ Isolate and depressurize the housing per site procedure.
☐ Record date, location, part number, micron, ΔP at removal, time in service.
☐ Inspect spent cartridge (color, loading, collapse).
☐ Replace O-rings/gaskets if the housing maker calls for it.
☐ Return to service, vent air, log new clean ΔP.
☐ Reorder when spares reach your minimum.

4. Spares on the shelf (fill in)

Loop	Typical media	Part #	Micron	On hand	Reorder pt
Cooling tower side-stream	High-flow cartridges (e.g., Hydronix HSC-170) or 20" cartridges				
Makeup water / RO pretreat	10"/20" sediment cartridges (OCP: makeup to 1 µm where possible)				
RO system	RO membranes				
Commissioning flush	Cartridges by stage (50–100 µm → 5 µm, OCP); bags for coarse stage				
CDU secondary (TCS)	OEM-specified element only				

5. Filter change log

Date	Location	Part #	Micron	ΔP out	ΔP new	Initials

Hydronix HSC-170: pleated jumbo high-flow cartridge, 7-3/4" × 30-3/4", 0.35–150 µm pleated polyester (plus 0.2–1 µm absolute all-poly), 105 gpm recommended / 150 gpm max, 140 °F max synthetic / 176 °F all-poly (Hydronix HSC datasheet). FilterBridge Supply is an authorized distributor of Hydronix Water equipment.

Your system's ΔP limits and the equipment maker's spec always override this general guidance. FilterBridge ratings are nominal. No product here is claimed to fit any CDU or coolant loop.

Sources (checked 2026-11-03; HSC datasheet re-checked 2026-11-03)

OCP TCS pre-commissioning: opencompute.org/documents/ocp-document-submission-guidelines-for-pre-commission-preparation-of-technology-cooling-system-tcs-row-manifolds-revq-pdf-1
Rittal SK 3343.230: rittal.com/imf/none/3_15045/3343230_Technical_Data_sheet_EN/
DOE FEMP: energy.gov/sites/prod/files/2013/10/f3/ssf_cooling_towers.pdf
OCP Modular TCS Rev 1: opencompute.org/documents/ocp-modular-tcs-rev-1-final-2025-pdf/
Hydronix HSC datasheet: hydroscientific.net/dl/HSC_DS.pdf

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