

Process Bath Purification

Metal Finishing

- Continuous Purification for Process Line Solutions
- Trivalent Chrome Plating Solution Purification
- Trivalent Chromate Solution Purification
- Nickel Plating Solution Purification
- Acid Bath Purification



Continuously remove heavy metal contaminants from your process

Kontek's **KC SERIES** technology is developed in conjunction with the proprietary manufacturer of your process solution.

Utilizing selective chelating resin, the **KC SERIES** system removes only the undesired heavy metal contaminants from your process solution bath, including unwanted copper, nickel, zinc and iron.

Your valuable process solution is kept entirely intact for plating, guaranteeing finish and colour consistency.



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KC-SERIES

Your process chemical solution is pumped into the **KC SERIES** filter chamber to remove harmful suspended solids.

The solution progresses through flow meters, then into resin columns where selective resins remove specific undesired tramp metals.

Once purified, your treated process solution is returned to the plating bath.

The **KC SERIES** system runs continuously on-line, which eliminates the need for expensive bath maintenance or replacement of chemicals in the tank.

Key Components



1. Priming chamber to provide the pump with flooded suction
2. Magnetic coupled pump continuously recirculates process solutions through the filter and resin columns, and for delivery of regeneration chemicals when regeneration of the resin is required
3. Filter to prevent suspended solids from fouling the resins
4. Pressure sensor for run-dry pump protection
5. Flow meters control flow to each column for accurate transfer of process or regeneration solution through the resin bed in each column
6. Proprietary resin columns ensure maximum performance of the resins

Features & Benefits

- Reduces process solution contamination to enhance coating performance and prevent discoloration
- Selectively targets only undesired contaminant metals
- Continuously purifies your process solution chemistry
- Extends the lifespan of your process solution chemistry

The Complete System

The **Kontek KC SERIES** systems are available in a multitude of capacities and configurations to suit your specific needs.



...because it works!
KONTAK
PROCESS WATER MANAGEMENT