Katalox-Media

Katalox-Light®

APPLICATION SCIENCE / 08

CAPTURE THE SOLIDS. COMPLETE THE SEPARATION.

Fine-particle retention and effective backwashing belong together.



Illustrative filtration concept

RETAIN

Katalox-Light combines catalytic metals treatment with retention of precipitated particles and suspended solids.

REMOVE

Backwashing carries accumulated solids out of the filter bed. Match the wash programme to the installation and solids loading.

VERIFY

Check outlet turbidity and metals alongside operating conditions. Manage collected wash water and solids as part of the treatment process.

APPROXIMATELY 3 µm

Manufacturer-specified particle filtration.
This describes solids retention, not a dissolved-PFAS size barrier.

THE PFAS CONNECTION: FOLLOW THE CAPTURED MATERIAL

Where PFAS binds to retained iron-rich particles, solids separation can contribute to its removal from water. Confirm the contribution with compound-specific inlet/outlet measurements and analysis of wash water and solids.

Mineral adsorption research explains a possible mechanism; it does not establish Katalox-Light PFAS capacity. Adsorption and filtration do not demonstrate PFAS destruction.

ENGINEER THE COMPLETE OPERATING CYCLE

- Assess feed-water solids and chemistry
- Establish filtration and backwash conditions
- Check performance after return to service
- Include residuals in the sampling plan

FOR WATER-TREATMENT COMPANIES, DISTRIBUTORS & OEMs

Bring your water analysis, design flow and solids-loading profile.
Request the Katalox-Media technical report.

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Sources: Watch Water product information; PFAS, Iron & Manganese Surface Chemistry Report (24 October 2026); U.S. EPA PFAS Study (2021).

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