

WATCH WATER UAE | TECHNICAL OVERVIEW

Katalyst-Light

Katalyst-Light is a lightweight catalytic granular filter medium for iron, manganese and hydrogen-sulphide removal. The treatment design coordinates oxidation, catalytic conversion, solids loading, service velocity and bed expansion during backwash.

TREATMENT FOCUS

- 01 Iron
- 02 Manganese
- 03 Hydrogen sulphide
- 04 Turbidity
- 05 Groundwater pre-treatment
- 06 Catalytic filtration

TECHNICAL WORKFLOW

- 01 Prepare: Establish the contaminant form and, where required, provide suitable oxidation before or within the media bed.
- 02 React: Catalytic media surfaces accelerate conversion of dissolved contaminants to filterable forms.
- 03 Filter: The media bed retains precipitated material and suspended solids at the selected service rate.
- 04 Backwash: Accumulated solids are released during a properly designed hydraulic cleaning cycle.