

WATCH WATER UAE | TECHNICAL OVERVIEW

Quantum Floc

Quantum Floc is engineered within the Filtration media technology platform. Watch Water filtration media are applied in professional fixed beds for catalytic conversion and physical retention of contaminants. Media selection is tied to oxidation state, particle loading, pH, service velocity and the available backwash regime.

TREATMENT FOCUS

- 01 Dissolved and particulate iron
- 02 Manganese
- 03 Hydrogen sulphide
- 04 Turbidity
- 05 Suspended solids
- 06 Groundwater pre-treatment

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.