

WATCH WATER UAE | TECHNICAL OVERVIEW

Combi-Mix

Combi-Mix is a layered multi-media concept combining AQUARedox, Catalytic Carbon, Cationix and Katalyst-Light treatment functions in one packed bed. Correct density layering, vessel hydraulics, contact time and backwash behaviour are essential to preserve the intended sequence.

TREATMENT FOCUS

- 01 Organic and inorganic contaminants
- 02 Heavy metals
- 03 Chlorine and chloramine
- 04 Iron and manganese
- 05 Multi-contaminant groundwater
- 06 Compact all-in-one treatment

TECHNICAL WORKFLOW

- 01 Condition: Hard water enters the correctly sized media bed at the specified service flow.
- 02 Nucleate: The media supports formation of stable microscopic crystal structures instead of adherent scale on equipment surfaces.
- 03 Transport: Conditioned mineral particles continue with the water and are managed by the downstream process.
- 04 Protect: Correctly applied conditioning reduces the tendency for hard scale to form on pipes and heat-transfer surfaces.