

WATCH WATER UAE | TECHNICAL OVERVIEW

Carbonate X-Mg

Carbonate X-Mg is engineered within the FILTERSORB (R) technology platform. The FILTERSORB family is designed for physical scale prevention and hardness conditioning without conventional sodium-cycle softening. The media is selected and sized to influence scale-forming behaviour while retaining dissolved minerals in the water.

TREATMENT FOCUS

- 01 Calcium-carbonate scale
- 02 Hot-water equipment protection
- 03 Heat-exchanger fouling
- 04 Boiler and process scaling
- 05 Cooling-water scale control
- 06 Salt-free hardness conditioning

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.