



BioTech
WATER SOLUTIONS
SMARTER WATER. BETTER PERFORMANCE. HEALTHIER SYSTEMS.

WaterIQ™ Process

PREVENTING HARD WATER DEPOSITS FROM FORMING

WaterIQ conditions hard water so calcium carbonate forms as suspended crystals in the water instead of bonding to equipment and vehicle surfaces.

SMARTER WATER
LESS SCALE
STRONGER WASH

HOW WATERIQ CONDITIONS HARD WATER

1 CONDITION

Nanobubble interfaces increase mixing and provide sites for mineral nucleation.

2 NUCLEATE IN THE WATER

pH, alkalinity, temperature and saturation guide CaCO_3 formation within the water stream.

3 KEEP MINERALS MOVING

Preformed crystals remain suspended and are less likely to establish bonded scale.



THE DIFFERENCE IS WHERE SCALE FORMS

UNTREATED HARD WATER

Dissolved calcium and carbonate concentrate at the surface, nucleate there, and grow into bonded scale.



SURFACE NUCLEATION CREATES BONDED SCALE

WATERIQ-CONDITIONED WATER

Because calcium carbonate has already formed as suspended particles in the water, fewer dissolved minerals remain available to crystallize and bond to equipment or vehicle surfaces. Water flow carries these away before they can accumulate.



Minerals crystallize in the water first



Less dissolved mineral remains for surface growth



Water flow carries suspended particles away

FORMED IN THE WATER — NOT ON THE SURFACE

WaterIQ reduces mineral adhesion. RO spot-free water remains the final protection against evaporation spots.

OPERATOR BENEFITS



Reduced Scale Attachment



Lower Salt Demand



Improved Chemistry Performance



Better Rinsing and Finish

WaterIQ does not remove calcium. It influences where calcium carbonate forms and how strongly it attaches.

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