

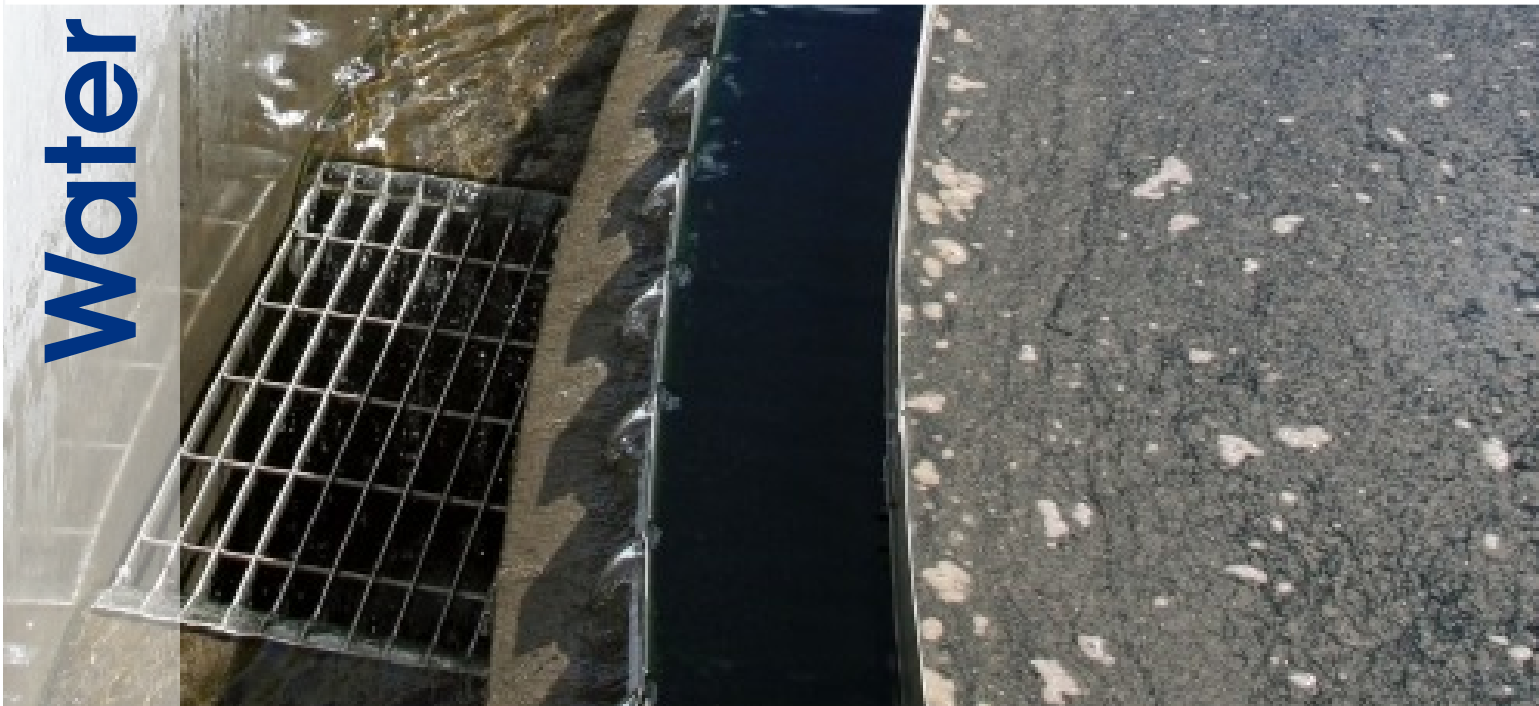
SCALE BLASTER™

THE WATER SOFTENER ALTERNATIVE

APPLICATIONS



Treatment



Water

Water Treatment Applications

Reverse Osmosis

Deposit control

ScaleBlaster will prevent lime scale formation on flanges and locking rings. Without these lime scale deposits, the filter assemblies are much easier to disassemble. Filter membranes are not scaled on the surface. The filter membranes are filled with dirt and particulate matter. The extended life of the membranes is due to the lack of scale accumulation on the surface. No lime scale will form around the edges of the filter assemblies and no short circuiting of the filters occurs.

Membrane life

You can expect the membrane life to be extended by as much as 40% or more.

Permeate volume

The time period after installation of the membranes to a noticeable decrease in the volume in permeate product is increased by several months.

Chlorine Injection Pumps

Pump deposits

Pumps used to feed chlorine into the treatment stream become full of lime scale and must be cleaned. The **ScaleBlaster system** will keep the scale particles suspended in the fluid and off of the pump surfaces.

Nitrate / Nitrite Removal

Resin Bed

The **ScaleBlaster system** will keep calcium carbonate in solution and prevent the calcification of the resin bed. The formation of channels in the bed that lead to ineffective treatment will be eliminated, too.

Pumps, filters, and sensors

The **ScaleBlaster system** will keep the lime scale deposits suspended in the fluid and off of the equipment surfaces.

Downstream of removal system

The **ScaleBlaster system** will protect the discharge line free of scale caused by heavy concentrations of calcium carbonate.

Lime / Soda Ash Treatment

Mixing Tank

The most difficult lime scale control occurs when lime is used to treat high pH or soda ash to treat low pH. The lime or soda ash is mixed with water to form slurry that is then pumped into the water to be treated. The mixing tank is prone to scale deposition on the sides and the mixing propeller gets scale buildup, too.

ScaleBlaster will treat the water to be mixed and keep the tank sides and propeller clean of lime scale.

Slurry Pumps

The pumps used to pump the slurry into the water stream are subject to lime scale buildup to the extent that two pumps are needed – one to pump while the other one is being cleaned. By installing **ScaleBlaster** on the suction side of the pumps, it will prevent scale deposition on the pumps.

Labor and Maintenance Savings

The amount of money saved in labor and maintenance because of **ScaleBlaster** will pay for the system itself in no time at all. Your maintenance crews can attend to other matters.



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