NanoSoft™
THE WATER SOFTENER REPLACEMENT
POWERED BY NANOBUBBLE TECHNOLOGY

CRS
CHEMICAL REDUCTION SOLUTIONS

How NanoSoft™ works

No salt. Less waste. A simpler wash.

FROM HARD WATER TO A SIMPLER WASH

01

Control the flow

Hardness minerals can build scale inside pipes and nozzles. NanoSoft™ connects to the main water line and uses its own pump to supply the flow needed for nanobubble generation.

02

Generate nanobubbles

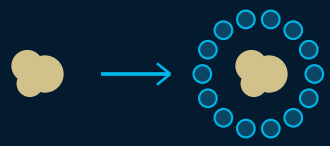
Water accelerates through a restriction. Vapor cavities form, then collapse as pressure recovers, releasing localized energy. Persistent nanobubbles disperse in the downstream water.

03

Keep minerals dispersed

Nanobubbles carry an electrical surface charge. They interact with hardness minerals, helping keep particles dispersed and reducing their tendency to stick together or adhere to wetted surfaces.

A VISUAL LOOK AT MINERAL INTERACTION



Mineral particle — Nanobubble envelope

Electrically charged nanobubbles interact with hardness minerals. NanoSoft™ uses this interaction to help reduce scale buildup on membranes, pipes and nozzles while leaving the minerals in the water.

Electrical surface charge. Mineral interaction. Scale control.

Eliminate scale formation

Protect water flow through pipes and nozzles.

Support wash performance

Chemical dispersion, rinsing and drying.

Eliminate softener chores

No salt purchases, hauling or brine-tank filling.



SIMPLE INSTALLATION. DEDICATED CIRCULATION.

Install on the main water line after the backflow preventer. Fill and prime the system, then power the pump according to the installation guide. The dedicated loop supplies device flow as wash demand changes, within the system's rated capacity.

NanoSoft Installation Photo

COMMON QUESTIONS. CLEAR ANSWERS.

Does NanoSoft™ soften water?

No. It conditions water without removing calcium and magnesium.

Will a hardness test still show hard water?

Yes. The minerals remain, so a hardness test still detects them.

Will my wash chemicals still work?

So long as you are using high quality chemistry, you should expect no material change in foaming plus enhanced cleaning efficacy. NanoSoft™ is used with a variety of high-quality chemistry, with no reported issues. The key is proper chelation in your alkaline products for hard-water conditions.

Does NanoSoft™ need ongoing maintenance?

No. NanoSoft™ runs for years without hands-on maintenance. As long as the system stays flooded and the pump is powered, NanoSoft™ is working.

Does it need salt or regeneration?

No salt, brine-tank filling or regeneration cycle. Eliminating regeneration also saves water.

What if mainline water use is variable flow?

Its own pump supplies nanobubble-generation flow as mainline demand changes, within rated capacity.

No salt purchases. No brine tanks to fill. No regeneration water.

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