

CHEMICAL DESCALING SOLUTIONS

When you start to see a loss in efficiency, an increase in operating costs, and equipment starts to fail; it is time to look for limescale and other water deposit buildup within your systems. Once this issue is identified, you will want to start looking for the right solution-specific systems. So, we've created a guide to help you find the best solution that will rid your machine of efficiency depleting scale.

Chemical descaling solutions and clean-in-place systems utilized for cleaning water-operated equipment can vary substantially throughout various industries. Using the correct cleaning procedure methodologies is crucial to a successful cleaning. Whether your specific industry is HVAC, manufacturing, petrochemical, power generation, pulp & paper, or anywhere in between, we offer the correct tools and solutions to make your preventive maintenance program successful.

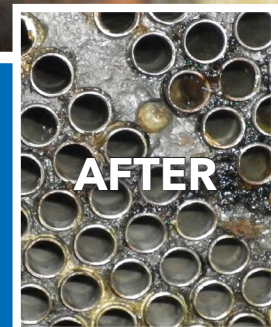
Let's see what will work best for you.

Did You Know?

Many common descaling solutions on the market are hydrochloric acid-based. This is because HCl is regarded as fast and aggressive towards calcium carbonate. However, it is not the correct base acid for every application. Why? Hydrochloric acid is incompatible with certain metals and can cause significant damage when used on them. One typical example is using hydrochloric acid on stainless steel. When using hydrochloric acid to dissolve the calcium carbonate, chloride vapor is produced. This chloride vapor tends to create pockets of vapor within the equipment. This vapor attacks the stainless steel resulting in corrosion crevices, pitting, or even total failure.

SELECTING THE RIGHT CHEMICAL

The minerals in your water supply can range from a common calcium carbonate like limescale to more complex deposits such as iron oxides, phosphates, silicas, and many times a combination of all mentioned. Additionally, the metals within industrial equipment vary considerably. We understand this challenge, which is why we engineered the various formulas in our Goodway ScaleBreak® line of chemical descalers. Goodway® blends three liquid descaling solutions under the ScaleBreak® family name. We have our original blend ScaleBreak, ScaleBreak-SS, and ScaleBreak-MP. All three descalers are biodegradable, effective, and blended differently to meet specific needs. Since there is no one size fits all solution when it comes to choosing the right chemical descaler, understanding these factors is the first step in identifying the correct solution.



GOODWAY®

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SCALEBREAK®

SCALEBREAK® descaler quickly dissolves mineral deposits like limescale safely. This high-performance biodegradable industrial descaler will quickly dissolve calcium, lime, rust, and other types of deposits from passages in water-cooled or heated equipment, like chiller tubes, boiler tubes, brazed plate heat exchangers, and so much more. It is safe for use on steel, iron, brass, copper, plastic, and rubber. When used as directed, it will help improve the operating efficiency and extend the life of your equipment.

SCALEBREAK®-SS

SCALEBREAK®-SS industrial descaler is specifically designed for descaling stainless steel and is for the safe removal of scale. This biodegradable descaler contains no HCL (Hydrochloric acid) yet retains the dissolving rate and speed frequently associated with more aggressive base components. ScaleBreak-SS base properties are safe for prolonged exposure to stainless steel and eliminate the long-term potential of hydrogen embrittlement. Protect your stainless steel investment and use ScaleBreak-SS, the top choice for professionals.

SCALEBREAK®-MP

SCALEBREAK®-MP descaler quickly dissolves mineral deposits like limescale safely. This high-performance biodegradable industrial descaler will quickly dissolve calcium, lime, rust, and other types of deposits from passages in water-cooled or heated equipment, like chiller tubes, boiler tubes, brazed plate heat exchangers, and so much more. It is safe for use on steel, iron, brass, copper, plastic, and rubber. When used as directed, it will help improve the operating efficiency and extend the life of your equipment.

SELECTING THE RIGHT CIP PUMP SYSTEM

We've helped people descale for a long time, and we find that the best way is to combine our ScaleBreak with our GDS Clean-in-place Scale Removal systems. Our GDS systems effectively pump the ScaleBreak chemical through your systems and offer advanced features like flow reversal to increase the descaling performance. Using clean in place (CIP) technology, you are able to remove limescale, calcium and mineral deposits as well as rust from HVAC and process manufacturing equipment without disassembling it. These systems are perfect for plate and frame heat exchangers, shell and tube heat exchangers, heat exchanger tubes, evaporative coolers, pumps, boiler tubes, chiller tubes, and virtually any hydronic system. Our GDS Clean-in-place systems come in various sizes and flow rates to ensure your preventive maintenance cleaning is successful.

Please reach out to Goodway today and allow us the opportunity to show how we can help you.



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