

CHEMICAL DESCALERS



Stop The Damaging Effects Of Scale

SAFELY REMOVE ENERGY ROBBING, DESTRUCTIVE SCALE DEPOSITS.



Use For:

- > Boilers
- > Chillers
- > Condensers
- > Heat Exchangers
- > Oil Coolers
- > Cooling Towers
- > Furnaces
- > Water Piping Systems
- > Marine and Vessel Equipment
- > And Much More!

Fortified with powerful low foaming penetrating agents and superior corrosion inhibitors.

ScaleBreak®

Goodway's ScaleBreak family of chemicals will safely dissolve mineral deposits faster than other liquid descalers on the market. These biodegradable cleaners will quickly dissolve calcium, lime, rust, lithium carbonate and other types of deposits from water passages in water cooled or heated equipment.

ScaleBreak is safe for use on steel, iron, brass, copper, plastic and rubber. ScaleBreak-SS and ScaleBreak-PT are specially formulated for use on stainless steel. When used as directed, they will help to improve the operating efficiency and extend the life of your equipment. ScaleBreak-PT is certified for potable water applications.

Turn to pages 188-189 for more ScaleBreak product information.

ScaleBreak:

This biodegradable solution dissolves calcium, lime, rust and lithium carbonate on contact



ScaleBreak-SS:

This unique solution contains no hydrochloric acid (HCL) and is safe for prolonged exposure to stainless steel



ScaleBreak-PT:

Certified by NSF to NSF/ANSI Standard 60 for potable water applications. This is a phosphoric acid based de-scaler, similar to ScaleBreak-SS. Great for marine equipment on all types of vessels.



ScaleBreak-Marine:

This biodegradable cleaner is safe for use on steel, iron, brass, copper, plastic and rubber.

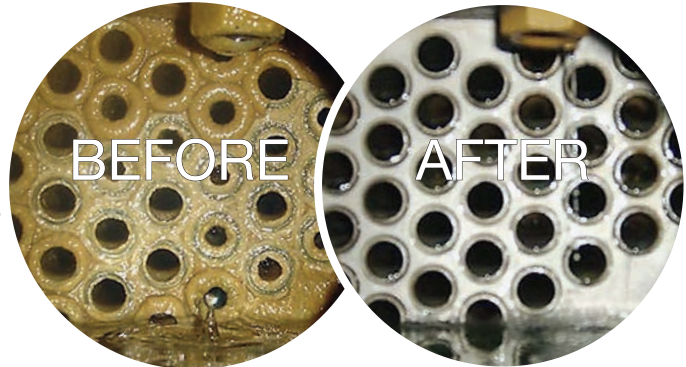


The Fastest Biodegradable Scale Remover

DISSOLVES MINERAL DEPOSITS FASTER THAN OTHER LIQUID DESCALERS ON THE MARKET.

The fastest biodegradable scale remover

ScaleBreak, ScaleBreak-SS, ScaleBreak Marine and ScaleBreak-PT biodegradable cleaners quickly dissolve calcium, lime, rust, lithium carbonate and other types of deposits from water passages in water cooled or heated equipment. See page 188 for more details.



Fortified with powerful low foaming penetrating agents and superior corrosion inhibitors.

Use For:

Boilers • Chillers • Condensers • Heat Exchangers
Oil Coolers • Cooling Towers • Furnaces • Water
Piping Systems • Marine and Vessel Equipment
And Much More!



NEW! ScaleBreak-Marine



Call today for a free demo kit!

Request a ScaleBreak, ScaleBreak-SS, ScaleBreak-Marine or ScaleBreak-PT demo kit.

ScaleBreak Usage Chart

These figures are estimates only for ScaleBreak usage in Cooling Towers, Shell/Tube Chillers and Heat Exchangers. Actual amounts of ScaleBreak needed and cleaning time required to dissolve the scale varies depending on type and amount of scale to be removed.

Tonnage	Gallons Needed	Cleaning Time (Hours)	Tonnage	Gallons Needed	Cleaning Time (Hours)
10	2	3	400	55	5
25	5	3	500	65	5
50	8	4	750	100	6
75	10	4	1,000	125	7
100	15	4	2,000	275	7
125	15	4	3,000	400	8
150	15	4	4,000	600	10
200	25	5	5,000	900	10
250	40	5			

Remove Tough Scale Build-Up With Ease

USER FRIENDLY AND EFFECTIVE SCALE REMOVAL SYSTEMS DESIGNED FOR USE WITH SCALEBREAK®.

GDS-C40 and GDS-C92 – Innovative Flow Reverser

You asked for smaller, more portable descalers and we listened. Introducing the GDS-C40, and it's big brother, the GDS-C92. Constructed of heavy duty polyethylene and acid proof components, these units are designed for years of use in industrial applications.

The secret to their success at removing scale lies in the innovative Flow Reversal Valve. During the descaling process, lime scale dissolves and creates foam and gas, which act as a barrier to further scale reduction. Using the Flow Reversal Valve allows for the foam and gas to discharge into the tank, eliminating the barrier effect and considerably speeding up the descaling process. Each unit is self priming and safely contains chemicals within its integral tank, allowing for maximum user friendliness. The GDS-C40 works great on small size applications like oil coolers and heat exchangers, while the GDS-C92 will take care of larger boilers and chillers.



GDS-C40

FEATURES

- > Acid proof pump and fittings
- > Innovative flow reversal valve
- > Run dry, 15 or 21 GPM pump (depending on model)
- > Compact design for easy transport and storage
- > 10 or 15 gallon reservoir tank (depending on model)
- > Venting cap for closed systems

Specifications	GDS-C40
Motor Power	1/2 HP
Input Power	Standard: 7.6 amps, 115 V, 60 Hz AC Optional: 3.8 amps, 230 V, 50 Hz
Power Supply Cord	18', 18-3
Output Water Flow	15 GPM
Pump	Centrifugal
Tank Capacity	10 gallons
Dimensions	27" high x 15" wide x 17" deep
Weight	37 lbs net dry



GDS-C40

Scale Removal System, including 10 gallon tank, multiple fittings and two 10' circulation hoses

Note: Chemical goggles must be worn when using this machine

GDS-C92

Scale Removal System, including 15 gallon tank, multiple fittings and two 10' circulation hoses

Note: Chemical goggles must be worn when using this machine



GDS-C92

APPLICATIONS

- > Boilers and hot water heaters
- > Multi stack units
- > Steam generators
- > Plate and shell heat exchangers
- > Condensers and chillers
- > Cooling coils and water cooled rollers
- > Oil coolers, mold tools, and extruder barrels found on injection molding machines

Specifications	GDS-C92
Motor Power	3/4 HP
Input Power	Standard: 8.6 amps, 115 V, 60 Hz AC Optional: 4.3 amps, 230 V, 50 Hz
Power Supply Cord	18', 16-3
Output Water Flow	21 GPM
Pump	Centrifugal
Tank Capacity	15 gallons
Dimensions	35" high x 15" wide x 23" deep
Weight	50 lbs net dry

Hands-Free Scale Removal

THE GDS-15-PH SELF-MONITORS THE DESCALING PROCESS, ADDING DESCALING CHEMICAL AS NEEDED.



GDS-15-PH – Scale Buster

In the past, users of scale removal chemicals have had to rely on rudimentary re-circulating pump systems that are awkward to use and require constant attention when operating. There has been a great need for a system that is specifically designed to accurately deliver chemicals into heat exchanger equipment and monitor the effectiveness of scale removal.

The unique features of Goodway's GDS-15-PH Scale Removal System enable the operator to easily remove energy robbing scale build-up from their heating and cooling equipment. After connecting the inlet and outlet hoses to your shell and tube heat exchanger, it is a simple matter of allowing the machine to circulate the chemical and water. With the integrated chemical pump drawing directly from the container, there is no need for user contact. It will automatically evaluate the pH level as the scale breaks down and injects additional chemical as needed. This allows the operator to leave the entire system in place so that other tasks can be performed while the cleaning is taking place. When the process is completed, the neutralized waste water is safely flushed down the drain.

GDS-15-PH

Scale Removal System, including two 15' circulation hoses, 15 gallon venting drum, pH probe, 1 pint pH probe storage solution, five pH 7.01 calibration packets and five 4.01 pH calibration packets

FEATURES

- > Acid proof pump and fittings
- > On-board pH level monitor
- > 30 GPM pump re-circulates quickly
- > Easy to understand Control panel monitors progress
- > Multiple valves and input allow for immersion tank re-circulating
- > 15 gallon venting drum for closed systems
- > Hands free automatic chemical pump

APPLICATIONS

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Specifications	GDS-15-PH
Motor Power	3/4 HP
Input Power	Standard: 11 amps, 115 V, 60 Hz AC Optional: 5.5 amps, 230 V, 50 Hz
Power Supply Cord	21', 14-3
Output Water Press./Flow	30 feet of head at 30 GPM
Pumps	Noryl centrifugal main pump and positive displacement diaphragm chemical pump
Venting Drum	15 gallons
Dimensions	48" high x 26" wide x 33" deep
Weight	125 lbs net dry