



DESCALING SOLUTIONS

FOR CAMUS® HYDRONICS BOILERS AND WATER HEATERS



Camus® Hydronics, a well-respected manufacturer of high efficiency gas boilers and water heaters has partnered with Goodway® Technologies to offer customers a safe, effective descaling solution so their equipment remains in peak operating conditions.

Camus® high efficiency boilers can be found in commercial, institutional and industrial applications. Whether it's a hotel, office building, university or industrial manufacturing plant, when hot water or hydronic heat is needed, Camus has the equipment.

The efficiencies are certified by AHRI. The higher the efficiency, the lower the operating costs. Preventative maintenance is an integral part of any water operated piece of equipment's efficient operation.

In boilers and water heaters, mineral deposits within the water supply can fall out of suspension and create an insulating barrier, in the form of scale, between the water and heat exchanger. This scale barrier, also reduces efficiency of the boiler resulting in higher gas or propane consumption.

The damage done by scale is not limited to reduced efficiency. A primary cause of premature heat exchanger failure is scale. Scale reduces flow and heat transfer within the appliance to the point of causing material failure.

In response to customer needs, Camus® recognized a need for an approved, safe, effective descaling solution for removing hard water scale deposits, maintaining high efficiencies and reducing premature vessel and tube failures.

Goodway® Technologies ScaleBreak®- MP is a unique blend of citric acid with the inclusion of corrosion inhibitors, wetting and penetrating agents. It offers excellent cleaning results and speed without compromising the long-term integrity of boiler base metals. This biodegradable descaling solution will safely dissolve scale deposits into a liquid suspension and allow them to be flushed out of the boiler.

Optimal cleaning results are achieved when you pump ScaleBreak®-MP into the bottom of your boiler and return out the top. This method insures the area to be cleaned is flooded, allowing the ScaleBreak®-MP to come in contact with all the deposits. Cleaning instructions for Camus® boilers utilizing ScaleBreak®-MP are available.



GDS-C40 and GDS-C92 FEATURES:

- Acid proof pump and fittings
- Innovative flow reversal valve
- 15 or 21 GPM pump (depending on model)
- C40 volumes 1-50 and C92 10-100 gallons
- Compact design for easy transport and storage
- 10 or 15 gallon reservoir tank (depending on model)
- Venting cap for closed systems



HOW DO YOU DETERMINE YOUR CAMUS® UNIT NEEDS CLEANING?

Preventative maintenance is carried out on a periodic basis and ultimately the frequency in which it's performed will be determined by the quality of water supplied to your Camus® boiler or water heater.

Preventative maintenance cleaning may be required if:

- Hot water cycle times take longer
- Hot water capacity has diminished
- You have observed an increase in gas consumption
- You hear a rumbling sound (kittling) coming from the boiler
- You observe unusually high stack temperatures

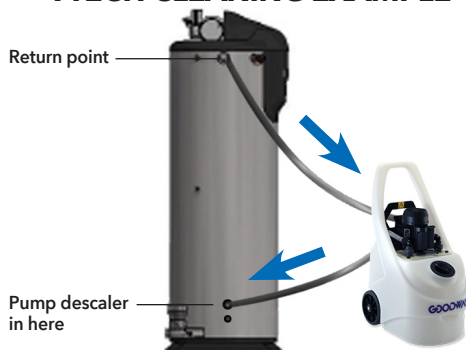
Before performing a cleaning of your equipment:

1. Shut down and lockout the appliance
2. Isolate the unit from the system
3. Remove your relief valve
4. Make sure water flow rates are according to specification

Monitoring the performance of your Camus® equipment on a regular basis will help you ensure it is working with maximum efficiency, preventing energy waste and unplanned shutdowns. When a cleaning is required, Goodway® Technologies has developed simple to use calculators for determining the correct amount of ScaleBreak®-MP descaler required for a cleaning. Simply enter your Camus model number and the calculator will provide the amount of descaler and circulation time. The calculator can be found at:

<http://www.goodway.com/camus>

VTECH CLEANING EXAMPLE



CAMUS DESCALING CALCULATOR

Keeping your Camus® boiler and hot water heaters scale-free is the best way to maintain system efficiency. Use this handy calculator to identify how much ScaleBreak®-MP descaler you will need, and how long to circulate it for to clean your boiler and hot water heaters. Simply choose your series and model number and we'll do the hard work.

Units: US Metric

Camus® Series:

Model #:

Volume of ScaleBreak®-MP and Circulation Time Needed

ScaleBreak®-MP Needed	5 gal
Circulation Time	2 hours

For contact information regarding your local Camus representative <http://findarep.camus-hydronics.com>



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