

DESCALING SOLUTIONS

FOR LOCHINVAR[®] BOILERS

Lochinvar[®], a leading producer of energy efficient water heating solutions, has partnered with Goodway[®] Technologies to offer customers a safe, effective descaling solution to help their equipment maintain efficient operating parameters.



A proper preventative maintenance program is vital to maintaining efficient operation. Boilers and water heaters are subject to mineral deposits within the water supply which fall out of suspension and create an insulating barrier, in the form of scale, between the water and heat exchanger. Scale accumulations can drastically reduce boiler longevity and diminish efficiencies which result in increased operating costs and higher gas consumption. A primary cause of premature heat exchanger failure is scale. Scale reduces flow and heat transfer within the boiler and scale can cause under-deposit corrosion which can result in material failure.

Lochinvar[®] 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 ensures the area to be cleaned is flooded, allowing the ScaleBreak[®]- MP to come in contact with all the deposits. Cleaning instructions for Lochinvar[®] boilers utilizing ScaleBreak[®]-MP are available.

CLEAN-IN-PLACE PUMP SYSTEMS FOR OPTIMAL CLEANING RESULTS



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 LOCHINVAR® BOILER NEEDS CLEANING?

Preventative maintenance should be scheduled on a periodic basis, and ultimately the frequency in which it's performed will be determined by the water quality supplied to your Lochinvar boiler or water heater.

How to determine if your Lochinvar boiler requires a preventative maintenance cleaning:

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

Logging the performance of your Lochinvar equipment on a regular basis will help you ensure it is working efficiently and avoid 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 Lochinvar model number and the calculator will provide the amount of descaler and circulation time. The calculator can be found at: <http://www.goodway.com/lochinvar>.

Lochinvar® Boilers and Hot Water Heaters Calculator

Series:

Model:

Water Inlet/Outlet Connection Size, Volume of ScaleBreak®-MP and Circulation Time Needed

Water Inlet/Outlet Size: 2" NPT Thread

ScaleBreak®-MP needed: 5 Gallons

Circulation Time: 1 Hour



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