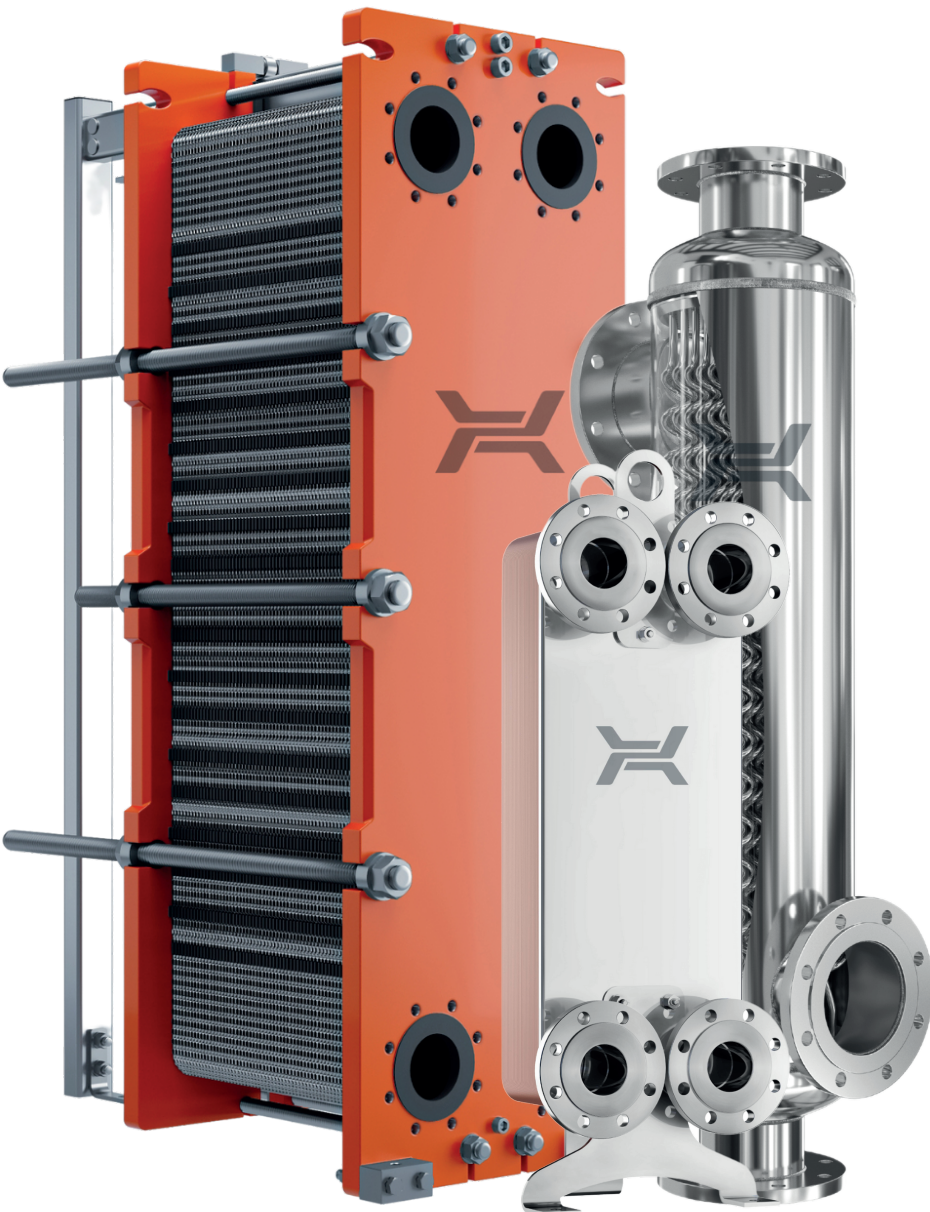




# DESCALING SOLUTIONS FOR HEXONIC® HEAT EXCHANGERS

HEXONIC® has been inspiring people to save our planet's resources through efficient heat transfer. Implementing a preventive maintenance schedule is essential to retaining optimal heat transfer and flow. HEXONIC® and Goodway® Technologies have formed a partnership to ensure peak heat transfer efficiencies continue with approved preventative maintenance solutions and proven cleaning methodologies.



When reliability is essential, HEXONIC offers heat exchange solutions ranging from Brazed Plate Heat Exchangers (BPHE), Gasketed Plate Heat Exchanger (GPHE), Plate and shell, shell & tube and shell & coil. For over 30 years HEXONIC has been perfecting their products to give customers the confidence in making the best choice for their heat exchanger needs. HEXONIC provides heat exchange solutions for almost every industrial application imaginable, these industries include chemical, food & beverage, HVAC & refrigeration, oil & gas, marine, power generation. Hexonic heat exchangers are designed specifically to meet the needs of the respective machine or equipment system, ensuring energy efficiency and reliability regardless of market segment.

Goodway Technologies is a leader in innovative maintenance solutions. Our ScaleBreak®-MP liquid descaler is a unique blend of citric acid with the inclusion of corrosion inhibitors, wetting and penetrating agents. Scale deposits fall out of suspension and adhere to the heat transfer surface and prevent proper heat transfer. Scale deposits also insulate the heat transfer surface, thus preventing efficient operation. ScaleBreak-MP offers excellent cleaning results and speed without compromising the long term integrity of equipment base metals. This biodegradable descaling solution will safely dissolve scale deposits into a liquid suspension allowing them to be flushed out of the PHE leaving no residual solution.



## MONITORING PERFORMANCE

Monitoring the performance of your HEXONIC heat exchanger on a frequent basis will help you ensure it is working with maximum efficiency, while preventing energy waste and unplanned downtime. Performance indicators can identify when your HX needs to be cleaned:

- Temperature difference/ $\Delta T$
- Pressure drop

First make sure that water flow rates are according to specification, this will ensure the indicators are not affected by flow rate changes. Maintaining regular performance readings in a log book will help identify when your PHE performance dips below desired levels.

## CLEANING PHE'S WITH GOODWAY SOLUTIONS

Goodway Technologies has developed simple to use calculators for determining the correct amount of ScaleBreak-MP descaler required for a cleaning. Simply enter your plate heat exchanger dimensions and our calculator will provide the amount of descaler and a circulation time. The calculator can be found at:

[www.goodway.com/resources/calculators#!/heat-exchanger](http://www.goodway.com/resources/calculators#!/heat-exchanger)

### Plate & Frame Heat Exchanger Descaling Calculator

Here's a quick and easy way to figure out how much ScaleBreak you may need to complete a proper descaling. Start by entering the dimensions of your heat exchanger.

Units: <input checked="" type="radio"/> US <input type="radio"/> Metric	
Width (inch)	<input type="text" value="24"/>
Height (inch)	<input type="text" value="48"/>
Plate Pack Thickness (inch)	<input type="text" value="24"/>
Volume of ScaleBreak Per Side:	27 gal
Recommended Circulation Time:	2 hours
Note: If descaling both sides of heat exchanger, double the volume needed.	

## CLEAN-IN-PLACE (CIP) PUMP SYSTEM

Goodway Technologies has created a range of CIP (Clean In Place) pump system with insightful considerations for cleaning all types of heat exchangers. Whether you have a brazed plate, gasketed plate, shell & tube or any other heat exchanger type, Goodway has a pump solution for you:

<https://www.goodway.com/products/industrial-descaling-systems>

### NO HASSLE, CLEAN-IN-PLACE!

**ScaleBreak® Industrial Descaling Solutions**

Formulated to remove scale, rust and other deposits, while protecting base metals from corrosion.

**COMMON CLEANING APPLICATIONS:**

- Boilers
- Chillers
- Condensers
- Shell and Tube Heat Exchangers
- Plate and Frame Heat Exchangers
- Vacuum Pumps
- And more...

**BEFORE**

→

**AFTER**

**GOODWAY®**

Contact Us to Learn More



**Call: 1-800-333-7467**

**Visit: [www.goodway.com](http://www.goodway.com)**

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