



Get more from your GPHE

Complete Alfa Laval service offering for gasketed plate heat exchangers





In Saudi Arabia, a petrochemical plant customer has five M30 GPHEs, with 460 titanium plates per unit, installed in their secondary cooling application.

Due to fouling, these units required higher seawater flow, resulting in increased energy use and costs.

Results of an Alfa Laval Performance Audit enabled Alfa Laval to optimize cleaning intervals. Moreover, the customer reduced maintenance costs by replacing manual cleaning with a Cleaning In Place (CIP) system.

Total annual savings derived from these actions are an estimated €37,500.

Reconditioning

Reconditioning your GPHE can extend its life; minimize operational costs; ensure safety, quality and productivity; and satisfy new environmental legislation by improving energy efficiency.

You can choose from a number of pre-defined reconditioning packages, or customize a package from the complete list of Alfa Laval reconditioning services, to match your requirements for turnaround time, budget, brand and/or application.

Global network – receive worldwide best practice service and support

Secure production – fix cracks and deformities affecting process reliability

Peace of mind – ensure perfect fit by completely removing old glue and gaskets



Spare Parts

Correct material quality can make a huge difference to your process. By using genuine Alfa Laval Spare Parts you can rest assured that the correct material is specified according to its intended use.

Alfa Laval genuine plates are made using a single-step pressing method ensuring uniform plate strength and thickness over the entire plate – dramatically reducing the risk of fatigue cracking.

Alfa Laval genuine rubber gaskets ensure tighter seals, longer life and more uptime for GPHEs.

Secure uptime – decrease risk of failure using certified materials

Minimize costs – avoid unnecessary maintenance expenses





Redesign

When you want to increase production, decrease pressure drops, minimize fouling and/or maximize heat recovery in your process, Alfa Laval Redesign is the solution for you.

Alfa Laval will redesign your GPHEs and optimize their performance to meet your new demands.

Secure uptime – decrease fouling and cleaning requirements due to media changes

Increase production – satisfy updated GPHE process requirements

Minimize costs – reduce energy consumption and avoid unnecessary routine maintenance expenses

Alfa Laval AllBrands

Alfa Laval AllBrands is a one-stop, complete care and service program for breathing new life into your GPHEs.

We offer full and flexible reconditioning services that improve lifetime and efficiency, reduce maintenance costs and downtime, and satisfy your specific GPHE needs – regardless of the original manufacturer.

In fact, we have over 40 years of experience servicing non Alfa Laval branded GPHEs.

Troubleshooting

If you experience issues with your GPHEs, Alfa Laval Troubleshooters will find out why and prevent them from happening again.

With the most knowledge and experience in the industry, Alfa Laval Troubleshooters provide immediate on- and off-site support, thereby reducing downtime and/or preventing a hazardous situation.

Alfa Laval Troubleshooting excels at connecting customers with application and material specialists, and Alfa Laval product centers, to find a permanent solution.

Secure uptime – find the cause of unplanned shutdowns

Increase production – make sure equipment performs optimally

Improve working conditions – identify hazardous situations and prevent them

Reduce maintenance costs – audit processes to identify crucial elements

Cooling copper and zinc smelters with seawater can be an expensive process that requires a great deal of water. Properly managing plate heat exchanger (PHE) performance can lead to significant savings.

In one particular case, an approach with three core components was employed:

Condition Audit determined the appropriate cleaning intervals. CIP was installed specific to seawater-cooled PHEs. And Optimization ensured optimal sizing of heat exchanger plates.

Together, they lowered operational costs through water and energy savings, while improving environmental performance, increasing productivity and lengthening equipment life.



Performance Audit

Alfa Laval Performance Audit leads to an optimized maintenance schedule, increased production reliability and minimized process costs.

Based on the actual internal condition of your GPHEs, Alfa Laval recommends the appropriate service and service intervals in a detailed report.

Ensure production reliability – minimize frequency of failures and reduce downtime

Minimize costs – reduce energy consumption

Delay investments – increase lifetime by minimizing opening of heat exchanger

Secure maximum throughput – optimize cleaning intervals to meet process requirements



Complete 360° Service Portfolio for Gasketed Plate Heat exchangers (GPHE)

Start-up

Installation

Maintenance

Exchange
Spare Parts
Reconditioning
Service Tools
Cleaning Services

Support

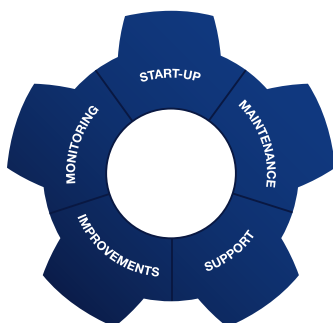
Troubleshooting
Exclusive Stock
Training Services

Improvements

Redesign
Replacement & Retrofit

Monitoring

Performance Audit
Condition Audit



Performance Agreements

Alfa Laval Performance Agreements are individually tailored service solutions that can include any of the services in our extensive 360° Service Portfolio.

Based on your specific needs, they maximize your return on investments, ensure continual top equipment performance and make budget work easy.

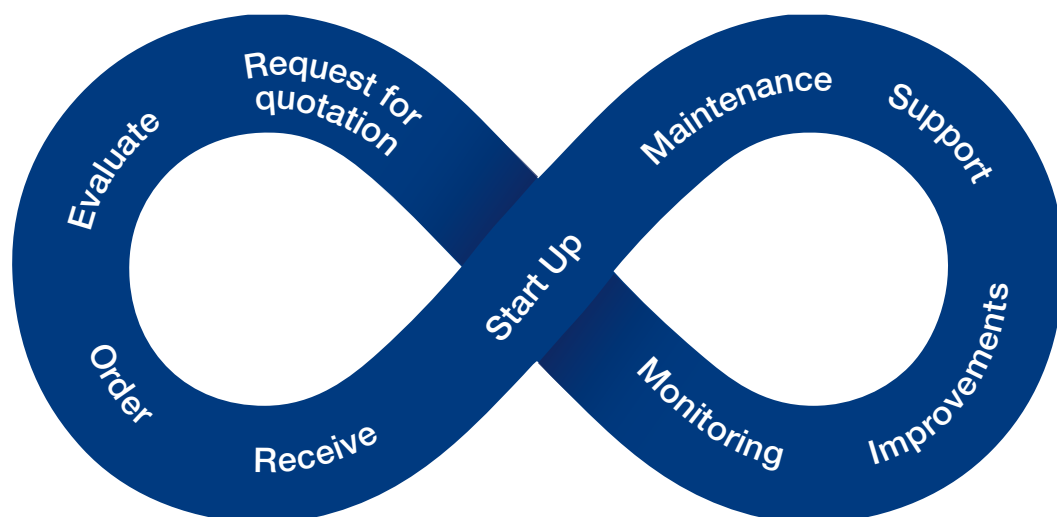


Our life-cycle approach

Wherever your gasketed plate heat exchangers (GPHEs) are in their product life cycle, from installation and operation through to monitoring and maintenance, Alfa Laval is there to support you.

Our goal is to optimize the performance of your process by for instance redesigning your GPHE to match your new process requirements or reconditioning it to a good-as-new state, thus making sure to maximize uptime.

But we go even further. We also ensure our top-class service engineers are with you when and where you need them, at your site or in our service centres.



Alfa Laval in brief

Alfa Laval is a leading global provider of specialized products and engineered solutions.

Our equipment, systems and services are dedicated to helping customers to optimize the performance of their processes. Time and time again.

We help our customers to heat, cool, separate and transport products such as oil, water, chemicals, beverages, foodstuffs, starch and pharmaceuticals.

Our worldwide organization works closely with customers in almost 100 countries to help them stay ahead.

How to contact Alfa Laval

Contact details for all countries are continually updated on our website. Please visit www.alfalaval.com to access the information.

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