



Extending heat exchanger performance

Maximize uptime and service life with Alfa Laval Condition Audit GPHE





Raise performance

Alfa Laval Condition Audit GPHE ensures that you get the most out of every heat exchanger. Simply choose the audit package that best suits your needs and let us evaluate the condition of your heat exchangers. Then review our audit findings and recommendations and decide what steps to take to optimize performance and maximize service intervals.

Whatever services you opt for will undoubtedly lead to more uptime, longer equipment lifetime and lower maintenance costs. Which, in turn, result in increased process efficiency and profitability.

So go ahead, take advantage of our expertise, global service organization and unmatched heat transfer and process knowledge. Make the most of what you've got with Alfa Laval Condition Audit GPHE.



Why audit?

- Get more uptime
- Raise process efficiency
- Prolong equipment lifetime
- Use less energy and save money
- Reduce total life cycle costs
- Enjoy total peace of mind

Get more out of your heat exchangers

Are you getting the most from your heat exchangers? To find out, ask yourself: How are they performing? What condition are they in? Do you have the right spare parts readily available?

The truth is, you cannot know how to maximize performance until you check on the current state of your heat exchangers. The Alfa Laval Condition Audit Gasketed Plate Heat Exchanger (GPHE) provides the expertise you need to evaluate the condition and extend the performance of your heat exchangers.

Performance above all

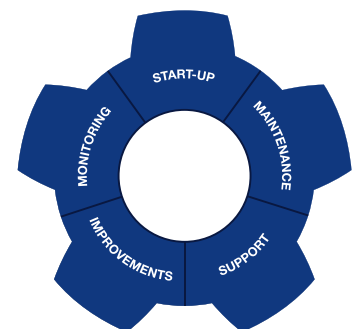
It can be difficult to pinpoint how, when and where heat exchanger performance can be improved. Knowing the right questions to ask and how to identify ways to enhance the value of your heat exchangers requires expertise acquired from years of practical experience.

Good value for money

Alfa Laval Condition Audit GPHE provides measurable cost savings in the form of reduced downtime, lower maintenance costs and big energy savings. Our experts audit your heat exchanger, present detailed findings and recommend an action plan to improve performance. You then decide which actions you would like to implement in order to maximize uptime and improve plant productivity and profitability.

360° services

Alfa Laval Service offers 360° services – a broad range of parts, components and services, covering the entire product life cycle from startup, support and maintenance to improvements and monitoring.



Alfa Laval Condition Audit GPHE is part of Alfa Laval's 360° "Improvements" services. Learn more on www.alfalaval.com/service-and-support.



Finetune heat exchanger performance

To support your installation of heat exchangers, we offer a broad range of audit packages. Our experts are ready to assist you with optimizing your spare parts needs as well as offer advice on maintenance intervals, cleaning, reconditioning and redesign.

Basic Online Audit	Basic Offline Audit	Performance Audit
This external inspection lets our experts evaluate heat exchanger condition without disrupting operations or processes. This, together with maintenance and spare parts discussions, provides a complete overview of the status and needs.	Opening the heat exchanger provides the opportunity to conduct an internal inspection of the heat exchanger as well as the external. This provides a deeper and more thorough analysis of the heat exchanger.	Here we conduct an in-depth analysis of thermal performance in addition to the Basic Audit packages. We recommend ways to maximize heat exchanger performance and save energy.
Using simple measurements and vast experience, we determine plate and gasket condition. If performance is not optimal due to improper handling or external factors, we recommend remedial action.	Our experts assess plate, gasket and frame condition. We look for cracks, fouling and gasket groove damage on the plates as well as wear, hardness and bonding of the gaskets.	Using the Alfa Laval Performance Audit PHE tool and interviews with key staff, we analyze thermal performance, fouling and flow distribution. We then recommend ways to increase maintenance intervals and optimize performance.

Basic Audit raises performance and extends service life	
Customer	A Qatari petrochemical company
Challenge	Assess overall heat exchanger condition after 30 years of inhouse maintenance
Solution	Proposed plate heat exchanger reconditioning and filter maintenance
Result	Heat exchanger maintenance with Alfa Laval, which delivers savings, increases plant safety and raises production

Performance Audit reduces maintenance costs and prolongs gasket lifetime	
Customer	A French district cooling system company
Challenge	Reduce maintenance hours and problems due to fouling
Solution	Proposed installation of backflushing valves
Result	Reduced opening and manual cleaning, longer plate and gasket lifetime and full return on investment within two years



Life cycle optimization pays off

Your processes and the people who manage them may change over time. To help you keep pace with change, take advantage of our in-depth process analysis of your heat exchanger installation. With our Process Audit, you get a detailed overview of how change may affect process performance and what to do to regain process efficiency.

Process Audit

We audit the heat exchanger in relation to the specific process conditions and needs as well as perform both Basic and Performance Audits.

With support from our certified laboratory and process experts, we conduct complex fouling analysis and troubleshooting. In-depth interviews with site stakeholders ensure process support, while saving energy and optimizing performance.

Uncover new potential

We recommend ways to improve process performance, such as material upgrades, redesign, training and more. This helps lift process performance and delivers tangible results – from increased production capacity and lower utility bills to higher efficiency and longer service intervals.

Trustworthy process performance

There is no compromise when it comes to trustworthiness and reliability. When you choose the best equipment on the market, you should choose the best service and support as well. This ensures that your processes deliver the efficiency and uptime you expect from Alfa Laval equipment.

Process Audit delivers measurable savings

Customer	A Swedish copper smelting plant
Challenge	Reduce energy costs and cooling water consumption
Solution	Continuous monitoring of critical heat exchangers together with process analysis and timely cleaning using proper methods
Result	Measurable energy and cooling water savings

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

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com



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