



Explore



Alfa Laval

# Maintenance plan

for gasketed plate heat exchangers

## Unplanned downtime is not an option

Maintaining your heat exchangers is crucial to prevent unexpected breakdowns, but challenges include uncertainty about new and existing equipment conditions, managing multiple suppliers, and scheduling optimal maintenance. Trust us to handle these complications, allowing you to focus on core operations and productivity while we ensure high maintenance standards.

We have extensive technical expertise and long experience with various heat exchanger applications. Combined with customer-provided information on unit criticality for process operation, this gives powerful input for creating a tailor-made maintenance plan.

Our services help you with:

- Prevent unexpected downtime
- Secure optimal performance
- Secure control of TCO (total cost of ownership)
- Optimise service intervals

## How it works

The maintenance plan can be provided for new heat exchangers in the design phase or for operating units at any stage of the lifecycle. Information gathering for the maintenance plan will be performed either remotely or on-site, depending on the specific needs. The level of detail in the gathered information is adapted to fit the resulting maintenance plan.

After assessing the gathered information in combination with unit specifications, a plan covering a list of recommended maintenance activities and a spare parts strategy is created. The plan is presented in a report with recommended follow-ups and checkpoints to ensure consistency and optimal performance.

## How the service can be delivered



On site



Remotely



At service centres



## Example

### Maintenance plan for critical heat exchangers

A Swedish chemicals company needed support in creating a detailed maintenance plan for a wide range of heat exchanger units that are critical for plant operation. Given the schedule of plant turnarounds, the maintenance plan had to be adapted to the short time windows available for taking units out of operation. Furthermore, each unit's specific prerequisites had to be considered to ensure the plan was tailored to each individual heat exchanger.

#### Information used in developing the maintenance plan

- Unit service history.
- Operating conditions, e.g. process medias, temperatures and pressures.
- General condition, visual inspection.
- Unit serviceability, visual inspection.
- Heat exchanger generation, with subsequent spare parts availability prediction.

#### Outcome

- Full-scope supply of service during the turnaround, with Alfa Laval serving as the sole supplier and single point of contact throughout the planning, execution, and follow-up phases.
- The turnaround time plan and budget for heat exchangers were maintained by using a suitable combination of service products from a wide portfolio of offerings.
- Increased plant reliability and secured plant operation through the introduction of a more sophisticated spare parts strategy for heat exchangers.



“The joint approach and work in creating a maintenance plan for the turnaround not only resulted in a successful turnaround execution. It also turned out to result in a long-term maintenance and spare parts strategy for all critical heat exchangers.”

Andreas Nilsson  
Sales Engineer, Alfa Laval Nordic



Maintenance plan



#### Related services

- Performance assessment
- Spare parts
- Cleaning-in-place (CIP)
- Manual cleaning

### Contact Alfa Laval

#### Service and support

We are here to help you!  
Please provide details about your needs,  
and we'll connect you with the best team  
to advise you.



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