

Alfa Laval

Reconditioning

for gasketed plate heat exchangers

Extend equipment lifetime for better performance

When a gasketed plate heat exchanger has been in continuous operations, its performance begins to decline over time and poses risk of leakage. Additionally, the fouling reaches a point where Cleaning-in-place (CIP) is not sufficient.

By reconditioning your heat exchanger, you make sure the unit operates efficiently for years to come and avoid unnecessary operational and investment costs. A heat exchanger reconditioning restores the equipment's performance to its original design, thus extending its lifespan and ensuring optimal heat transfer efficiency.

Our services help you with:

- Extended lifetime of the unit
- Recover equipment performance
- Reduce energy consumption
- Ensure food safety within food industries

How it works

All heat exchangers eventually require reconditioning at some point. When reconditioning is necessary, our local expert team will restore your existing heat exchanger at an Alfa Laval service centre, making it as good as new.

This service will improve your heat exchanger efficiency, reduce energy consumption and help improve the carbon and sustainability footprint of your operation. We provide reconditioning for all Alfa Laval and non-Alfa Laval gasketed plate heat exchangers, regardless of plate size and complexity. Our global network of service centers ensures proximity and reliable support.

The process typically includes:

- Removal of gaskets using nitrogen or caustic soda baths
- Hydro-jet cleaning using specially designed tools
- Chemical cleaning at right temperature, concentration, cleaning time
- Crack detection using dye penetrants and UV illumination
- Re-assembly of gaskets using oven cure of strongest two-component glue
- Pressure testing on leak and full hydrostatic pressure test
- Reconditioning report with detailed description and recommendations

How the service can be delivered



On site



Remotely



At service centres



On board



In dry dock

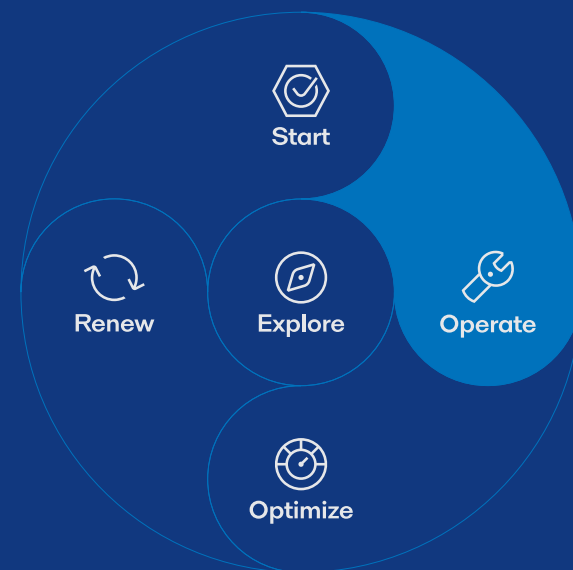
Examples

Reconditioning a petrochemical plant enables significant maintenance and production savings

After a petrochemical company wanted to increase efficiency and extend equipment lifetime at their plant, they decided to do a reconditioning together with Alfa Laval. Following the reconditioning, the company reduced production and maintenance losses as well as the cost for manual cleaning. Ultimately, they saved EUR 33,000 annually and made sure that future service could be done at longer intervals.

Benefits

- Reconditioning resulted in a 'like-new' heat exchanger, which extends the lifetime of their investment.
- The heat exchanger is restored to original design performance, increasing efficiency, and saving energy costs.



Related services

Reconditioning
Smart heat exchanger
CIP (Cleaning in place)

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.



www.alfalaval.com/contact-us/service-and-support

