



Extended performance to save you money

Condition audit for Alfa Laval spiral heat exchangers



Alfa Laval's spiral heat exchangers are engineered to provide decades of dependable and sustainable performance in process duties that make short work of other types of heat exchangers. But even the toughest equipment needs proper care and periodic upkeep to get the longest, most productive service life – with the lowest total cost of ownership.

An Alfa Laval condition audit is a smart, cost-effective way to extend and safeguard the performance of spiral installations after prolonged periods of operation. With minimal investment, you can return your spiral heat exchanger to like-new conditions, enabling safer, more energy-efficient performance in your processes.

Benefits

For spiral heat exchangers used extensively in demanding operations, a condition audit from trained Alfa Laval experts is the surest way to:

- Extend equipment life and protect your original investment
- Minimize the total cost of ownership of your unit
- Improve process sustainability with the highest long-term efficiency
- Protect your equipment, operators and processes from unforeseen problems

Spirals



Scope

A condition audit is part of an Alfa Laval preventive maintenance plan. Following strict procedures designed to ensure the integrity of your spiral installation, our service experts carefully examine your unit to ascertain the scope of the maintenance process. Following inspection, they will determine which service activities are necessary for restoring the heat exchanger to its original efficient thermal performance. All work is performed using genuine Alfa Laval original parts and best practices to ensure the highest reliability.

Depending on your specific application and preferences, as well as the nature of work required for your unit, we carry out condition audit either at your own location or at an Alfa Laval service centre.

When is this service right for me?

You should perform a condition audit for extensively used spiral heat exchangers in order to extend their service life and ensure you are still achieving optimal thermal transfer and pressure drop. Consider if:

- **Planning scheduled maintenance**

If you are already planning a shutdown in your processes for maintenance or installation of other equipment, you can take advantage of the stop to service your spiral at the same time. This helps you avoid unplanned and costly downtime in the future.

- **100% reliability is essential to your production**

When you need to be confident in round-the-clock reliable performance from all your equipment, a condition audit is the safest way to make sure your spiral can deliver long-term.

- **You encounter operational issues**

Proper service from trained Alfa Laval service engineers is the most reliable solution to challenges with a spiral unit that has been in operation for several years. It is also the most cost-effective solution. On average, repairing a spiral costs 30% less than replacing the unit.

Types of condition audits

Alfa Laval condition audits cover a wide range of specific service activities. The overall nature of a reconditioning will depend in large part on the current condition of your equipment and why you are performing the service at any point in time. Examples of activities can include:

1. External inspection of the unit
2. Cleaning of the unit
3. Internal examination
4. Check of all welds
5. Root cause analysis and corrections
6. Final quality test
7. Complete expertise report with service recommendations



From the most dependable equipment to support that keeps it that way, Alfa Laval is here – with service to keep you growing.

For the market's widest portfolio of welded heat exchangers, Alfa Laval offers an unmatched range of both preventative and reactive services to keep your equipment performing, and your business growing. Other services for Alfa Laval spiral heat exchangers include:

- Installation and commissioning supervision
- Performance audit
- Cleaning services
- Troubleshooting
- Training
- Spare parts

Learn more about our service portfolio for spiral heat exchangers at www.alfalaval.com/spirals/service

Alfa Laval reserves the right to change specifications without prior notification.

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.