



## Restored performance to keep you growing

### Cleaning services for Alfa Laval spiral heat exchangers



Alfa Laval spiral heat exchangers are the ultimate problem solvers. Their design prevents clogging and fouling in applications that other heat exchangers simply cannot handle. For the longest and most sustainable performance, however, even spiral heat exchangers require routine cleaning. Proper cleaning restores the optimal operating condition, ensuring maximum thermal efficiency, with lower maintenance costs and even a longer lifecycle for your unit.

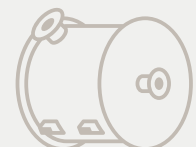
That is why Alfa Laval designs most of our spiral units with easily accessible surfaces to make cleaning simple and efficient, keeping your downtime to a minimum. To further save you time and long-term costs, our service organization offers a range of standard and custom cleaning solutions that keep your spiral heat exchanger running like new.

#### Benefits

With expert cleaning services developed by Alfa Laval, you can restore the performance of your spiral heat exchangers with added peace of mind, thanks to:

- Safe and effective cleaning that will not damage the equipment
- Improved efficiency and reduced energy consumption
- Prevention of damage due to corrosion or pressure drop
- Easier and quicker maintenance and repair

Spirals



## Scope

Alfa Laval service engineers work with you to find the optimal cleaning solution based on your specific heat exchanger and how you use the unit. All cleaning services, including our cleaning-in-place (CIP) systems, are designed for safe and effective removal of deposit build-up. We have also developed special cleaning agents with low environmental impact. Our service engineers verify that the agent used is compatible with the material of your heat exchanger.

For added insight, cleaning services can be combined with inspection and testing in an Alfa Laval Condition Audit. You will receive a detailed report upon completion of the audit to confirm the mechanical integrity of your spiral unit.

## When is this service right for me?

All heat exchangers require routine cleaning, but you may turn to Alfa Laval for service expertise in order to:

- **Support complex or challenging applications**  
Alfa Laval offers standard cleaning services for heat exchangers serving a broad range of duties. We can also work with you to develop customized cleaning procedures based on the specific requirements of your equipment, business and application, which can be included in your maintenance plan.
- **Maximize uptime**  
Conducting cleaning services when you have already scheduled a shutdown for maintenance or other procedures is a smart way to secure top performance while keeping the required downtime to an absolute minimum.

## Cleaning options

Depending on the specific nature of your duty and the needs of your business, there are three main types of cleaning that Alfa Laval can recommend.

### 1. Mechanical cleaning

Mechanical cleaning with a high-pressure water jet is the most basic cleaning service. We can perform the service at your location or offsite at an Alfa Laval service centre. Our technicians are trained to perform mechanical cleaning in the fastest, safest and most efficient way.

### 2. Chemical cleaning

To solve most fouling challenges, Alfa Laval can support you with chemical cleaning. This can be done either via a cleaning-in-place system (CIP) that enables quick and easy inline cleaning of the equipment, or through an immersion cleaning method that performed during a condition audit. What is more, our specially formulated, non-toxic agents ensure the safest and the most efficient CIP for both your unit and operators. An Alfa Laval service specialist can recommend the right cleaning agent for your unit.

### 3. Thermal cleaning

Alfa Laval's innovative and efficient thermal cleaning service is a safe, proven and controlled procedure for fouling and clogging challenges where other methods are insufficient. We use pyrolysis ovens to break down organic materials into smaller particles that can then be easily removed with mechanical cleaning.



## From expert advice to the latest cleaning solutions and techniques, 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
- Condition audit
- Troubleshooting
- Training
- Spare parts



**SelfClean**  
Superior cleaning and extended performance



**ALOnsite**  
Qualified support at your facility

Learn more about our service portfolio for spiral heat exchangers at [www.alfalaval.com/spirals/service](http://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](http://www.alfalaval.com).

