



ConditionAlert™

Condition monitoring for
Alfa Laval Disc Stack Separators



Keep alert.
Keep performing.



Why do I need ConditionAlert™?

“ ConditionAlert™ offers highly valuable insights into the condition of your Alfa Laval separator. The machine condition is analyzed and visualized by Alfa Laval, the original manufacturer.

- Alfa Laval possesses a unique source of data to give customers the best possible maintenance advice for an installed separator.
- The insights and advice that ConditionAlert™ offers are improving the availability of the separator by identifying the right time for maintenance.
- ConditionAlert™ reduces the risk of unplanned stops and its ability to precise diagnosis is continuously being developed by Alfa Laval. Condition monitoring is a service that Alfa Laval offers since 30 years.



How do I use ConditionAlert™?

“ ConditionAlert™ is developed to help customers plan maintenance efficiently.

Based on insights that ConditionAlert™ provides, maintenance can be jointly planned by the customer and the local Alfa Laval service organization.

If, for some reason, a rotating component in the machine is not functioning properly, ConditionAlert™ will send an early warning. This will make it possible for customers to plan for a coming service, making sure people and parts are available, thereby avoiding an unplanned stop. If there is a need to extend the operation of the separator beyond next planned service, ConditionAlert™ assists by continuously monitoring the condition of the machine.



How does ConditionAlert™ work?

“ **ConditionAlert™ is based on vibration measurements and frequency analyses which can identify the source of any abnormal vibration level and suggest remedies.**

- Collected vibration data is compared with other Alfa Laval separators, installed around the world, to provide the best possible reference values for the analyses. Customers can monitor the trends and the status of the installed separators' condition at any moment, in real-time, on a web interface.
- If ConditionAlert™ detects something that needs attention, an alert is sent to the Alfa Laval service team and the customer, via mail or text message, as an early warning.
- ConditionAlert™ can also monitor temperatures and other analogue signals to give customers additional insights into the machine condition.



What needs to be installed?

“ **Each Alfa Laval separator will be equipped with additional sensors and a small data acquiring unit next to the machine. This unit is connected to a control panel where data is analyzed.**

The control panel has an HMI for visualization of status and trends on site and up to ten separators can be connected to it. The control panel sends data to the Alfa Laval IoT portal.

By logging in to the portal, customers can easily access data trends, offering the best possible overview of the condition of all separators at all production sites.



How do I get ConditionAlert™?

ConditionAlert™ is available via an Alfa Laval Performance Agreement which customers subscribe to.

“ **The best way to make use of ConditionAlert™ is by including it in a complete Performance Agreement, together with all services and parts needed to get the best possible utilization of the installed equipment.**

As always, a close collaboration between the customer and Alfa Laval, including installation supervision, training and maintenance planning, will allow customers to get the most out of their equipment.

Learn more at alfalaval.ca:

ConditionAlert for food industry

ConditionAlert for wastewater industry