



# ConditionAlert™

Condition monitoring  
for Alfa Laval Decanters



Keep alert.  
Keep performing.

## Why do I need ConditionAlert™?

“ ConditionAlert™ offers highly valuable insights into the condition of your Alfa Laval decanter. The machine condition is analyzed, and anomalies are reported to you by Alfa Laval, the original equipment manufacturer.

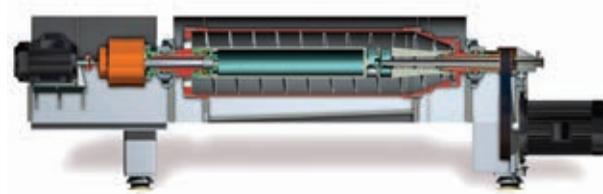
- Alfa Laval possesses a unique source of data to give customers the best possible maintenance advice for an installed decanter.
- The insights and advice that ConditionAlert™ offers improve the availability of your decanter by identifying the right time for maintenance.
- ConditionAlert™ reduces the risk of unplanned stops. Its ability to diagnose precisely is continuously being developed by Alfa Laval.

## How do I use ConditionAlert™?

“ ConditionAlert™ helps customers plan maintenance efficiently.

Based on insights provided by ConditionAlert™, the local Alfa Laval service organization recommends and jointly plans maintenance with the customer.

ConditionAlert™ detects faults at an early stage. This will make it possible for customers to plan for service in advance, ensuring the right people and parts are available.



## How does ConditionAlert™ work?

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

- Collected vibration data is compared with other Alfa Laval decanters installed around the world, to provide the best possible reference values for the analyses.
- If ConditionAlert™ detects something that needs attention, the customer will be notified by Alfa Laval with a plan for service. Alfa Laval's plan will remedy the problem as soon as necessary.
- Alfa Laval continues to develop ConditionAlert™ to monitor more components and further improve the analysis models. Continuous improvements will give customers additional insights into the machine condition.

## What needs to be installed?

“ Each Alfa Laval decanter will be equipped with additional sensors and a small data acquiring unit next to the machine. This unit will send the data to a cloud for analysis.

In addition, a small data acquiring unit is added to the decanter's control panel. This is to collect data about key decanter operating parameters which are also sent to the cloud for analysis.

By collecting the sensor data and the operating parameter data, Alfa Laval will be able to better identify the root cause of vibration abnormalities.

## How do I get ConditionAlert™?

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

“ The best way to make use of ConditionAlert™ is by including it in a complete Service 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 on [alfalaval.ca](http://alfalaval.ca):**  
**ConditionAlert for food industry**  
**ConditionAlert for wastewater industry**