



# AlfaCaus

## Cleaning agent for heat exchangers

A problem frequently encountered in almost all applications is the build-up of deposits on heat transfer surfaces. Alfa Laval supplies a wide range of cleaning agents suitable for removing most of these troublesome deposits. These cleaning agents have been specifically developed for use in heat exchangers. The time-consuming work of opening plate heat exchangers can thus often be avoided by using an Alfa Laval Cleaning in Place (CIP) unit.

All Alfa Laval cleaning agents have been tested in Alfa Laval's own laboratories. Provided the recommended instructions are adhered to, Alfa Laval guarantees that these cleaning agents do not damage plates, gaskets or glue.

### Concept

An Alfa Laval CIP unit is connected to the heat exchanger, and AlfaCaus is mixed with water in the CIP unit. This mixture is then heated, and circulated through the heat exchanger, which is cleaned within a couple of hours.

AlfaCaus is a strong alkaline cleaning liquid with a caustic soda base. It is specifically designed for the removal of biological matter, fat, oil and other organic deposits from heat exchangers and related equipment.

### Features and benefits

- Easily biodegradable.
- Tested in Alfa Laval's own laboratories, which means that Alfa Laval guarantees that plates, gaskets or glue are not damaged.
- Can be used in combination with AlfaAdd, which provides even better cleaning results on oily and fatty surfaces and where biological growth occurs. AlfaAdd also reduces any foaming.

### Instructions for use

The normal mixing ratio for biological matter, fat, oil and other organic deposits is 1 part AlfaCaus to 9 parts of water.\* \*\*

The recommended cleaning temperature is 50–70° C (122–158° F).

The recommended cleaning time is 2–6 hours.\*\*\*



AlfaCaus can be mixed with AlfaAdd (0.5–1 vol% to total diluted solution) to provide better cleaning results on oily and fatty surfaces and where biological growth occurs. AlfaAdd also reduces any foaming.

\* Water must be added first.

\*\* The pH level must never be less than 12 during the cleaning process. To increase the pH level, more AlfaCaus must be added to the solution.

\*\*\* Depends on the amount of fouling present in the heat exchanger, the size of the heat exchanger, the cleaning temperature and the concentration of the cleaning liquid.

**Ordering information**

Supplied in 25 or 200 litre (6.5 or 52.5 US gallons) plastic container.

Art. no. 31801-2612-6      23 kg (~20 l)

Art. no. 31801-2617-2      233 kg (~200 l)

**Technical specification (physical and chemical properties)**

Physical state	Liquid
Colour	Yellow
Odour	Odourless
pH	>12
Density at 20°C (g/ml)	1.15–1.35
Storability	1 year in closed, original containers (0-40°C)

**How to contact Alfa Laval**

Contact details for all countries are continually updated on our website. Please visit [www.alfalaval.com](http://www.alfalaval.com) to access the information direct.