



Alfa Laval

Cleaning-in-place

For freshwater generators

Keep capacity high and operating costs low

Maximize production capacity and minimize service costs for your freshwater generator with Alfa Laval cleaning-in-place (CIP) equipment. Regular CIP using Alfa Laval's proprietary cleaning agents maintains low operating costs and extends the unit's lifetime. At the same time, it keeps service stops short and spare parts consumption to a minimum.

Our service helps you with:

- Easy cleaning process with optimal results
- Reduced freshwater generator downtime
- Prolonged freshwater generator lifetime

How it works

Over time, the heat transfer surfaces of a freshwater generator develop scale that decreases performance. The scale deposits consist mainly of carbonates, which can be removed by circulating an acid solution over the heat transfer surfaces.

Our CIP unit handles this cleaning process in a safe and efficient way, so that you can return to producing fresh water at design capacity. After preparing the inhibited sulphamic acid or citric acid solution in the tank, you simply connect it to your freshwater generator using quick couplings. When switched on, its centrifugal pump circulates the acidic fluid, which is neutralized as it dissolves the scale.

The CIP trolley comprises the mixing tank and a hand mixer, as well as the electric circulation pump and quick couplings. We deliver it with all necessary hoses, valves and pipe isolation plates.

How the service can be delivered



On site



Remotely



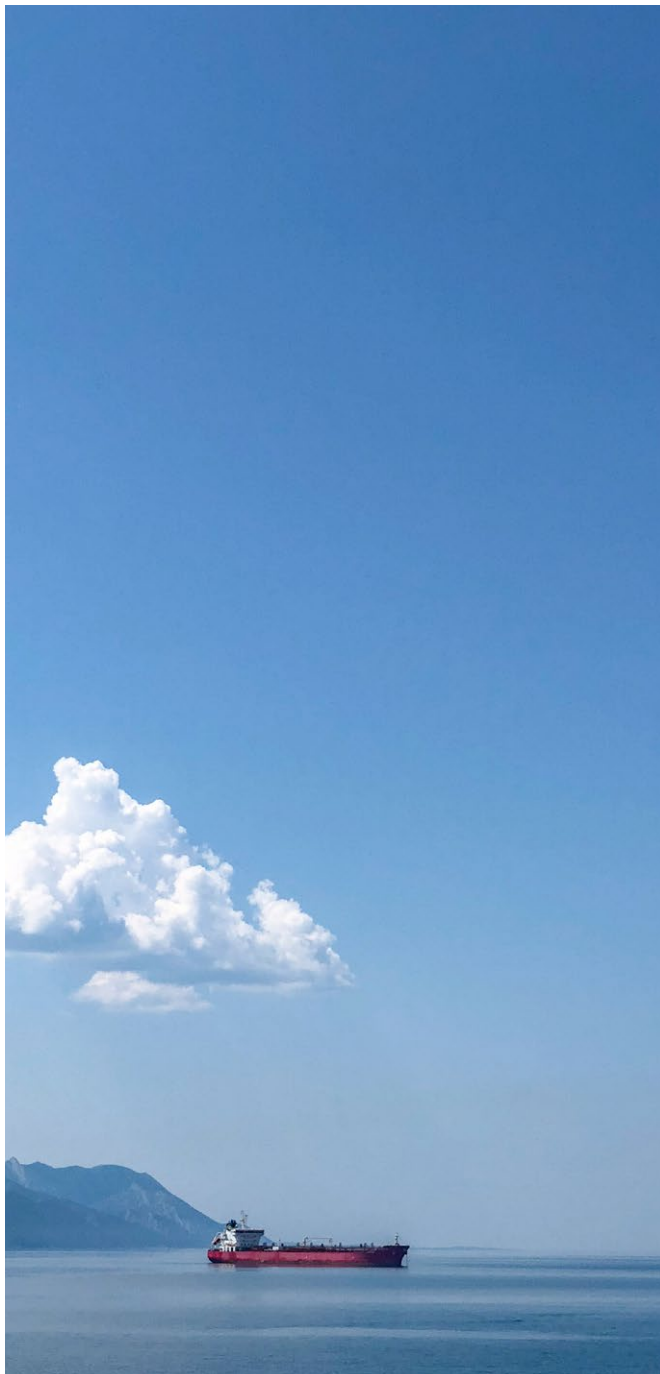
At service centres



On board



In dry dock



Case story

CIP reduces freshwater generator downtime

The owner of a large merchant fleet has vessels with all types of Alfa Laval freshwater generators on board. Over the course of normal operation, these units develop scale deposits, which is unavoidable when desalinating seawater.

Previously, crews had to open the freshwater generators for manual cleaning when their capacity dropped. This was usually every second month, but in some cases it was even more frequent. To maintain capacity and reduce downtime, the shipowner has begun using CIP units.

Since making CIP part of regular operations, the owner has reduced manual cleaning of the freshwater generators to once in six months or more. Opening the units less frequently has reduced the consumption of spare parts, which together with maintained capacity has lowered the unit OPEX. In addition, the owner can count on a longer freshwater generator lifetime.

24/7 Service & Support

With service centres, field service engineers and spare parts distribution worldwide, our Alfa Laval Marine Service network is always on the job for you. When you contact our 24/7 Service & Support, our service experts coordinate everything to solve your need – across oceans, continents and time zones.

Cleaning-in-place for freshwater generators



Related services for freshwater generators

- Plate pack exchange
- Reconditioning
- Replacement
- Onboard Performance Assessment
- Plate pack upgrade

Contact Alfa Laval

Tell us your needs, and our team will make it happen.

www.alfalaval.com/contact-us/service-and-support

