



Alfa Laval

Filter upgrade

For PureBallast

Boost peace of mind in challenging water conditions

If you sail in waters with a high sediment load, be sure to maximize the self-cleaning capabilities of your Alfa Laval PureBallast 3 system's filter. Our performance upgrade contains three recommended improvements* that can be selected together or individually. Especially when combined, they significantly reduce the risk of needing challenging water quality (CWQ) procedures due to filtration issues.

Our service helps you with:

- Improved self-cleaning efficiency to prevent clogging
- Maintained ballasting rate in heavily sedimented waters
- Reduced risk of CWQ bypassing and ballast water exchange
- Extended filter lifetime due to optimal operating conditions

* Available for systems with Filtrex filters and already included in PureBallast 3 Ultra systems.

Filter upgrade for PureBallast

How it works

Backflushing enables continuous operation of your ballast water management system's filter in most situations. However, water with a high sediment load can cause filter clogging. Our filter upgrade package minimizes the risk through two independent options:

- **Backflush pump**
An additional backflush pump ensures the correct backflush flow. It provides more pressure during backflushing, which results in more effective cleaning of the filter mesh. Both the backflush pump and an electric motor are included.
- **Faster gear motor**
A faster gear motor improves cleaning efficiency during backflushing. By increasing the rotation speed of the backflush shaft, it secures more frequent and thorough cleaning of the filter mesh. This enhances filtration efficiency, reduces clogging risk and extends the filter's operating lifetime.

The first step is to identify the details of your PureBallast 3 system and determine which upgrade options apply to it. When the right options have been selected, we send you the appropriate components. You can install the upgrade yourself, or you can choose to leave it to us.

Following installation, an Alfa Laval Marine service expert will need to commission the new components.

How the service can be delivered





Case story

Safeguarding efficiency on a ferry in sedimented waters

A ferry operator in the Nordic region has been using PureBallast for many years. One of its passenger ferries travels a route with high sediment loads, which means potential difficulties with filtration. To minimize the risk of filter clogging and the need for challenging water quality (CWQ) procedures, the vessel's PureBallast filter was upgraded with a faster gear motor.

The upgrade has significantly improved backflushing efficiency. Ballasting rates can be maintained on the ferry's more challenging route, and the PureBallast system consumes less energy. In the long run, the optimized operating conditions will also contribute to a longer filter 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.



Other services for PureBallast

Compliance Service Package

Valve upgrade

PureBallast Connect

Contact your local Alfa Laval office

www.alfalaval.com/contact-us

