



Alfa Laval

# EPC 50 to EPC 70 automation upgrade

For fuel and lube purifiers

## Secure peace of mind with modern advantages

Future-proof uptime and prolong the lifetime of your Alfa Laval separator by upgrading from the obsolete EPC 50 controller to the state-of-the-art EPC 70. Built with modern hardware and compliant with material regulations, the EPC 70 ensures the availability of spare parts. In addition, it's able to handle biofuels and paves the way for both easier troubleshooting and future connectivity features.

Our service helps you with:

- Latest-generation system with readily available spare parts
- Marine-approved hardware – no material certificates needed
- Plug-and-play upgrade design for easy installation
- Improved overview and easier, more intuitive operation

## How it works

The EPC 50 control system for Alfa Laval S and P separators was introduced in 1999 and discontinued in 2010. Now two generations old, it has become outdated as electronics evolve.

We can provide a reliable upgrade from the EPC 50 to today's EPC 70, giving your older S and P separators modern, state-of-the-art control. The EPC 70 offers:

- Easy operation through a large touchscreen interface
- Latest-generation electronic components
- Modular I/O boards
- Modern automation architecture
- Up-to-date software

Besides ensuring the availability of spare parts and repairs, these features simplify diagnostics and enable connection to advanced monitoring and control systems. Above all, they secure optimal performance.

We prepare an EPC 70 upgrade package on demand, matching it to your EPC 50 installation. As a first step, we'll contact you for relevant details about your separator, its connections and the media you use it with.

You can install the upgrade package yourself, or you can choose to leave it to us. Afterwards, an Alfa Laval Marine Service expert will commission the upgrade.

## How the service can be delivered



On site



Remotely



At service centres



On board



In dry dock

### Additional service details

We tailor our EPC 70 upgrade package to your specific needs. The exact configuration will depend on your separator and its existing EPC 50 control system, but typical components include:

- EPC 70 control cabinet for SA/PA version
- EPC 70 control panel for SU/PU version
- Steam regulating valve actuator (latest generation)
- Electrical heater control box for EPC 50 power units)
- MT60 water transducer board



### Case story

## Upgrading to EPC 70 brought peace of mind to this tanker crew

A Singapore-based tanker company had an Alfa Laval P-type separator for lube oil purification on one of its vessels. The purifier was 15 years old, and the customer wanted to prolong its lifetime. But procuring parts for its EPC 50 controller was difficult – and the customer didn't want to risk problems with such sensitive equipment.

Following an Onboard Performance Assessment on the vessel, Alfa Laval experts recommended upgrading the control system. The customer agreed to the proposal, having considered the amount of extra manual work by the crew and the business impact that lube oil treatment system downtime would have.

A new EPC 70 controller was sent to the vessel, and it was installed by the crew in less than a day. In the next harbour, an Alfa Laval Marine Service engineer attended the vessel to commission the upgraded control system.

Today, the crew is thoroughly pleased with the new control system. In fact, EPC 70 upgrades have been planned for other purifiers in the fleet. The risk of manual operation, crew stress and negative business impact has been mitigated, and the availability of spare parts is no longer a concern. Such peace of mind is invaluable.

### 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.



### Related services

- Onboard Performance Assessment
- Onboard Condition Assessment
- Remote Performance Assessment
- Biofuel upgrade for oil purifiers
- Separator Uptime Protection Package
- Dry Dock Service Kits for oil purifiers
- Remote troubleshooting for oil purifiers
- Onboard troubleshooting for oil purifiers
- Purifier replacement
- Feed pump replacement

### Contact Alfa Laval

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

[www.alfalaval.com/contact-us/service-and-support](http://www.alfalaval.com/contact-us/service-and-support)

