



Alfa Laval

EPC 60 automation upgrade

For fuel and lube purifiers

Secure peace of mind with PLC-based control

Safeguard uptime and prolong the lifetime of your older Alfa Laval purifier by replacing its obsolete control system with the EPC 60 controller. The EPC 60 is PLC-based, which means simpler troubleshooting and access to cost-effective spare parts. By proactively upgrading to the EPC 60, you secure full utilization of your equipment for many years to come.

Our service helps you with:

- Continued use of purifiers that are 25+ years old
- Reduced downtime thanks to readily available spare parts
- Easy, intuitive operation and fault finding
- Quick replacement of I/O boards in the event of failure

How it works

A purifier can normally operate for more than 25 years, but the electronics may have a shorter life expectancy due to operational conditions. Since older control system generations are no longer supported with spare parts, we recommend upgrading to the EPC 60 if your purifier has one of the following control systems:

- EPC 400
- EPC 41
- IPC 231 (any version)
- EPC 30 (with or without MARST 1)

The EPC 60 is a PLC-based controller with modular I/O boards, which has multiple advantages. If an issue arises, the controller provides information about the alarm and how to handle or resolve it, which makes daily operations easier. Since the I/O boards have dedicated duty LEDs, it's also possible to see if a component or function is working properly. If an I/O board should need to be replaced, the cost is less than that of replacing a complete printed circuit board.

We provide a cost-effective, plug-and-play upgrade package, comprising a new EPC 60 control cabinet based on your current system configuration. No welding is needed for the installation, and the following components can all be retained:

- Alfa Laval heater (steam, hot water, thermal oil or electric)
- Steam control valve or power unit cabinet (if electric heater)
- Starter cabinet
- Cables and piping

You can install the upgrade yourself, but an Alfa Laval Marine Service engineer must perform the start-up and commissioning. If you choose, we can handle the installation as well.

How the service can be delivered



On site



Remotely



At service centres



On board



In dry dock

Case story

Cost-effective control system upgrade for 11 naval vessels

A fleet of 11 naval vessels, each equipped with two NWHPX-410 purifiers for diesel and one NWHPX-405 purifier for gearbox oil, was facing a critical challenge. Installed in 1987, the Alfa Laval purifiers had consistently delivered strong performance. But their outdated EPC 41 control systems had become obsolete, making spare parts nearly impossible to source.

Rather than replace the purification systems in full, the navy sought another solution. Turning to Alfa Laval for guidance, they were pleased to learn of a cost-effective upgrade: replacing the old EPC 41 control system with the EPC 60.

The upgrade was a significant technological leap from the outdated flat circuit board of the EPC 41. Featuring a CPU and modular I/O boards, the EPC 60 provides far superior reliability and serviceability. By implementing a newer controller, the navy could retain their trusted purifiers while ensuring long-term operational sustainability.

The result? A highly satisfied customer with a proven solution for maintaining equipment performance – acquired easily and within budget.



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 for fuel and lube purifiers

- Onboard Performance Assessment
- Biofuel upgrade
- Separation Efficiency Upgrade
- Service Kits
- Replacement

Contact Alfa Laval

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

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

