



Alfa Laval

# PLC upgrade

For inert gas systems



## Replace obsolete equipment to mitigate future risk

In the event of a PLC failure, lack of access to spare parts is a major risk to the safe operation of your Alfa Laval inert gas system. Certain Mitsubishi PLCs (FX0, FX1 and FX2) have been defined as obsolete by the OEM, which means replacement parts are no longer available. Alfa Laval can provide a customized kit for upgrading to Mitsubishi FX3 PLCs, which we recommend as a safeguard.

Our service helps you with:

- PLC equipment that meets the latest standards
- Continued availability of PLC replacement parts
- Reduced risk of disruption to inert gas system operations
- Risk-free upgrading – Alfa Laval has your system's design data and tailors the upgrade to match
- Cost-effective upgrading – Alfa Laval handles all parts, programming and engineering

PLC upgrade

## How it works

Alfa Laval inert gas systems have 2–3 control panels, each of which is connected to its own PLC. Because the original Mitsubishi PLCs are no longer available, these must be upgraded to Mitsubishi FX3 for continued access to replacement parts.

We tailor a PLC upgrade kit to your specific inert gas system. Since it needs to match your installation, engineering and programming are required. Before anything is shipped, we compile the correct parts and ensure the compatibility of the software. Likewise, we see to the update of all process and electrical documents/drawings.

## The upgrade kit includes

- Mitsubishi FX3 PLCs with compatible software pre-installed
- EEPROM
- Extension modules\*
- Back-up battery

If you wish, one of our certified Alfa Laval Marine Service engineers can install the upgrade on board. Our sales representatives can provide you with up-to-date information about service rates.

\* Only if current installation has non-compatible extensions.

## How the service can be delivered



100021503-3-EN 2409



### 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 inert gas systems

Dew point analyser upgrade

Oxygen analyser upgrade

Auto Fuel Efficiency Module upgrade

HMI touchscreen upgrade

### Contact your local Alfa Laval office

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

