



Alfa Laval

Coriolis flow meter upgrade

For boilers

Improve burner reliability with enhanced metering

Safeguard boiler uptime and minimize maintenance by replacing the spindle flow meter in your Alfa Laval Aalborg steam-atomizing burner with a Coriolis flow meter. A Coriolis flow meter eliminates the risk of jamming and offers significantly greater accuracy, which improves burner control. In turn, that increases boiler efficiency and reduces fuel costs.

Our service helps you with:

- Extended flow meter lifetime with minimal maintenance
- Increased reliability and longer boiler uptime
- Improved boiler efficiency and reduced fuel consumption
- Lower risk of port penalties due to low performance
- Easy installation

How it works

The Coriolis flow meter upgrade kit includes everything necessary to replace the spindle flow meter in your Aalborg steam-atomizing burner with a highly accurate Coriolis flow meter. No mechanical modifications are required.

Based on the Coriolis principle, the new flow meter has no moving parts, which eliminates the risk of jamming. Spindle jamming can occur on vessels using both heavy fuel oil (HFO) and marine gas oil or high-quality distillate fuel (MGO/DMA), as fuel deposits may loosen from the fuel oil pipeline.

The upgrade kit includes:

- Coriolis flow meter
- Flow meter inlet and outlet pipes for easy mounting
- Cables
- Gaskets, nuts and bolts
- Installation instructions

The installation is simple enough for the crew to handle. But if preferred, an Alfa Laval Marine Service engineer can install the upgrade.

How the service can be delivered



On site



Remotely



At service centres



On board



In dry dock

Additional service details

This upgrade is specific to Aalborg steam-atomizing burners. Suitable for all commercial tankers. It is especially beneficial for chemical and product tankers with large-capacity oil-fired boilers, such as the Alfa Laval Aalborg OL and Aalborg D boilers.

Please note that the upgrade requires an electrically operated fuel oil valve. If your steam-atomizing burner has a pneumatically operated fuel oil valve, an upgrade to an electrically operated valve is available. Besides enabling the flow meter upgrade, an electrically operated fuel oil valve will enhance performance while reducing downtime and maintenance needs.



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 boilers

- Alfa Laval Touch Control upgrade
- Electric feed water valve upgrade
- FD fan actuator upgrade
- Fuel oil valve upgrade
- Low-Load Optimizer Kit
- Performance Assessment
- Pressure part inspection

Contact your local Alfa Laval office

www.alfalaval.com/contact-us

