



Alfa Laval PureSOx Express

Easy access to fuel cost savings



Saving with a scrubber can be simple

For handymax bulkers, product tankers and similar-sized vessels, the fuel cost savings of SOx scrubbers haven't always outweighed the investment. That changes with Alfa Laval PureSOx Express – a no-hassle solution built with leading SOx scrubber technology. PureSOx Express makes it easy and more affordable to be a step ahead.





A real alternative to compliant fuel

Even if your vessel's fuel consumption is relatively low, a SOx scrubber offers significant fuel cost savings over sulphur-compliant fuel. PureSOx Express makes those savings more accessible by providing a reliable scrubber solution for a substantially lower investment.

For the first time, owners of handymax bulkers, product tankers and similar-sized vessels have a real alternative for sticking with economical HFO.

One easy fit for many vessels

PureSOx Express is an open-loop Alfa Laval PureSOx system, delivered as a fully enclosed module. Designed for up to 75 tonnes of exhaust gas per hour and engine power up to 10 MW, it provides a one-size-fits-all solution for many vessels of 40–65,000 DWT.

Fully configured and ready to install, PureSOx Express is also hybrid-ready, which means connections are present for a future conversion to a hybrid system. In other words, it's as future-proof as it is cost-efficient.

Equipment and installation savings

Since PureSOx Express is prefabricated, preconfigured and ready-mounted in its enclosure, only simple engineering is

needed. That in itself reduces your cost. It can also be lifted on board and connected without a specialized scrubber team, which means there's far less work at the shipyard.

PureSOx Express can be installed in just 10–14 days, comprising one week in dry dock for the overboard discharge and quayside work for the remaining components. So you return quickly to money-making operations.

After so many up-front costs are removed, the fuel cost savings of installing a scrubber quickly become worthwhile.

Stay ahead with a leading choice

Most importantly, PureSOx Express cuts costs – not corners. Though repackaged for a simple and cost-efficient fit, it uses the same PureSOx technology proven at sea on hundreds of vessels. In addition to a packed scrubber bed, it features an effective water trap that prevents any backflow to the engine, ensuring a robust and reliable solution.

Likewise, PureSOx Express comes with the same global backing as all other PureSOx systems. Combined with Alfa Laval's SOx scrubber experience, our worldwide network and comprehensive portfolio of scrubber services bring you peace of mind that's always of good value.

Why Alfa Laval PureSOx Express?

- Lower investment for a direct path to fuel cost savings
- A direct fit for many vessels
- Direct from delivery to easy installation
- Direct access to leading technology, service and support

PureSOx Express compatibility*

- Up to 75 tonnes of exhaust gas per hour
- Vessels with engine power up to 10 MW
- Vessels of 40–65,000 DWT, typically bulkers (handymax, supramax, ultramax) and product tankers

* Guideline parameters – vessel compatibility must always be evaluated



This is Alfa Laval

Alfa Laval is active in the areas of Energy, Marine, and Food & Water, offering its expertise, products, and service to a wide range of industries in some 100 countries. The company is committed to optimizing processes, creating responsible growth, and driving progress – always going the extra mile to support customers in achieving their business goals and sustainability targets.

Alfa Laval's innovative technologies are dedicated to purifying, refining, and reusing materials, promoting more responsible use of natural resources. They contribute to improved energy efficiency and heat recovery, better water treatment, and reduced emissions. Thereby, Alfa Laval is not only accelerating success for its customers, but also for people and the planet. Making the world better, every day. It's all about *Advancing better™*.

How to contact Alfa Laval

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