



Alfa Laval MultiScrubber DeSOx

Reducing sulphur oxide emissions



Comply with SOx emissions limits

Air pollution, such as sulphur oxide (SOx) emissions, poses a major threat to human health and the climate. Reducing these emissions helps minimize health effects, such as stroke, heart, lung and respiratory diseases, as well as deforestation and global warming. To safeguard people's health and the health of our planet, initiatives to reduce SOx emissions – like policies to support cleaner power generation and industry – are essential.

Standard MultiScrubber DeSOx with optional modules for SOx and visible plume reduction



SOx reduction
Meets the most stringent limits



PM emission reduction
Meets most stringent limits



Plume reduction or removal
Reduced visible plume

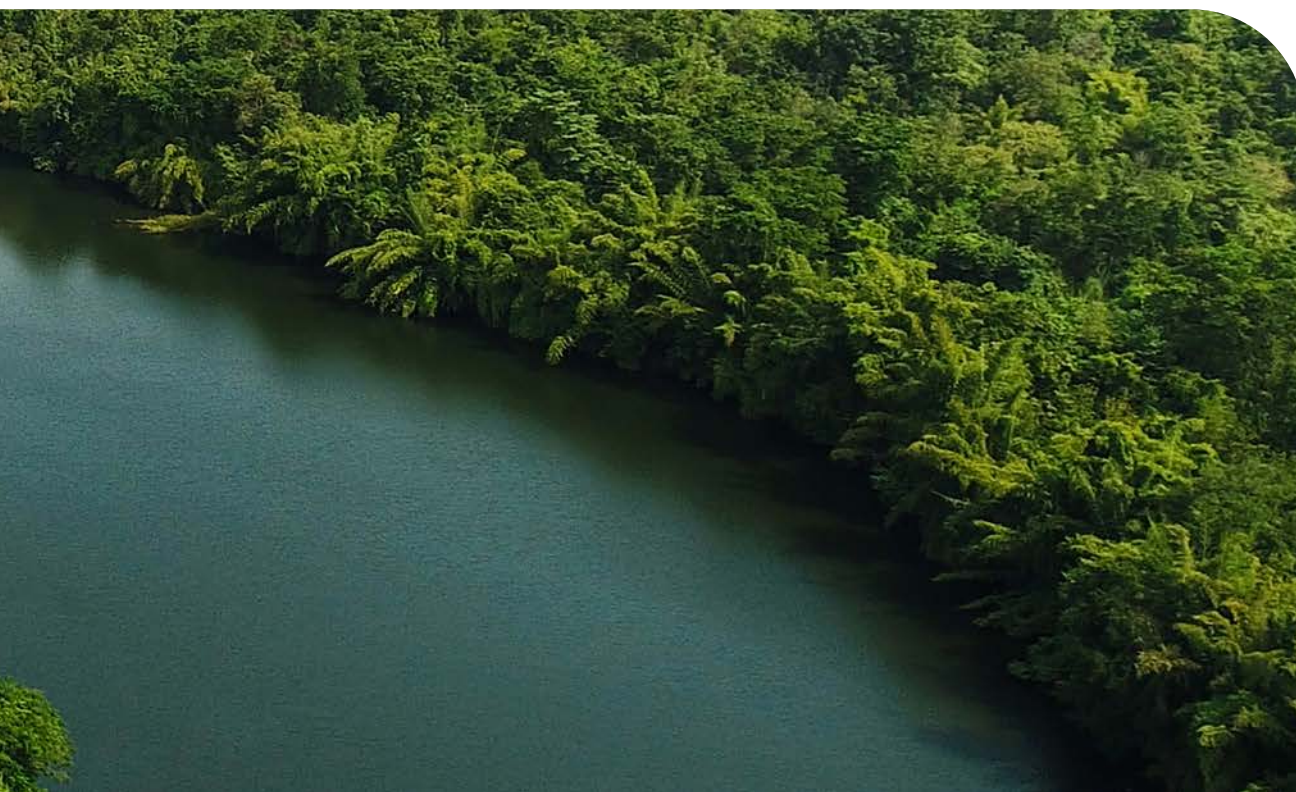


Simple, economical way to reduce SOx emissions

Flue gas desulphurization technologies, such as wet or dry scrubbers, can reduce SOx emissions. But none are as effective as the Alfa Laval MultiScrubber DeSOx. A complete solution for SOx emissions compliance, the compact, easy-to-install MultiScrubber DeSOx effectively reduces sulphur oxide emissions with minimal effluent. This enables plants to comply with increasingly stringent SOx emissions regulations.

Total peace of mind

Alfa Laval MultiScrubber DeSOx is a future-proof, three-in-one scrubber. Compact and modular, the standard model meets the most stringent SOx emission limits. It is easy and economical to adapt the scrubber to reduce particulate matter and/or visible plume, providing a low-cost migration path to additional functionality. Choose what you need today – and be ready to upgrade tomorrow.





SOx emission regulations compliance

More sustainable production ensures protection of people and the environment alongside profitability. With the Alfa Laval MultiScrubber DeSOx, you can reduce SOx emissions – reliably and cost-effectively. Easy to operate and maintain, the MultiScrubber DeSOx enables you to comply with the most stringent requirements.

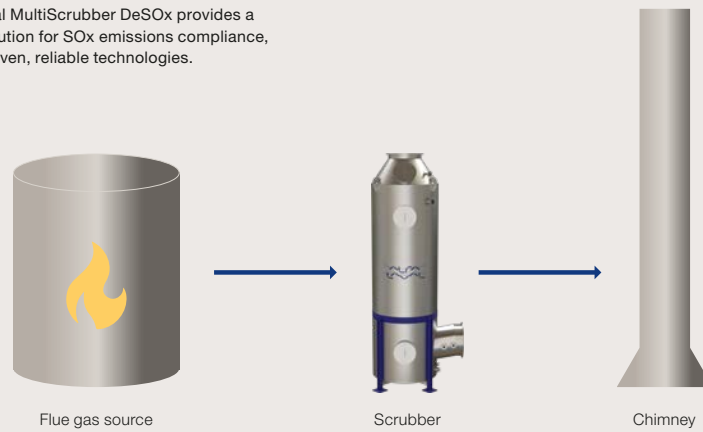
More economical

- Relatively low capital cost
- Low power consumption
- Minimal water consumption and effluent
- Highly efficient reduction of SOx

Simple to install

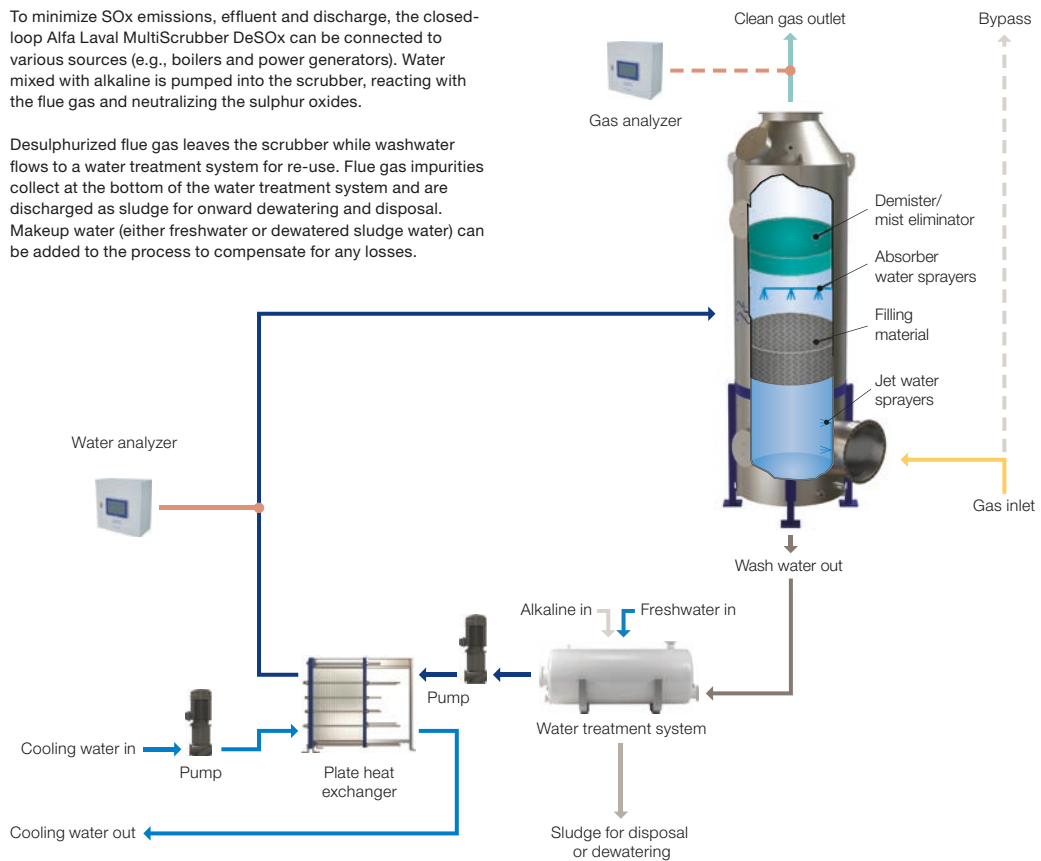
- Standardized, ready-to-install components for quick, easy installation
- User-friendly installation manual and design guide
- Compact and easy to integrate in new or existing plants

The Alfa Laval MultiScrubber DeSOx provides a complete solution for SOx emissions compliance, based on proven, reliable technologies.



To minimize SOx emissions, effluent and discharge, the closed-loop Alfa Laval MultiScrubber DeSOx can be connected to various sources (e.g., boilers and power generators). Water mixed with alkaline is pumped into the scrubber, reacting with the flue gas and neutralizing the sulphur oxides.

Desulphurized flue gas leaves the scrubber while washwater flows to a water treatment system for re-use. Flue gas impurities collect at the bottom of the water treatment system and are discharged as sludge for onward dewatering and disposal. Makeup water (either freshwater or dewatered sludge water) can be added to the process to compensate for any losses.



Easy to operate and maintain

- Very stable process
- Corrosion-resistant system
- Easy-to-understand operation

Proven technology

- Based on reliable Alfa Laval wet scrubber technology
- In use since 1967
- More than 500 installations worldwide

Desulphurization expertise



Why Alfa Laval?

Global expertise

- World leader in separation, heat transfer and fluid handling
- Trustworthy, financially stable partner, established 1882 in Sweden
- Global scrubber development centre in the Netherlands
- R&D in Aalborg, Denmark

Quality production

- Manufactured at Alfa Laval's scrubber production facility in Asia
- Onsite laboratory examines steel for quality and corrosion resistance
- Inhouse welding school ensures high-quality welds
- Customers are welcome to attend Factory Acceptance Tests (FATs)
- Short lead times
- Well-established supply chain

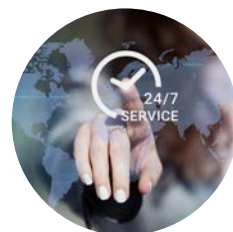


Commitment to innovation and sustainability

- Focus on sustainability
- Currently holds more than 3,700 patents
- Invests about 3 percent of its sales in research and development
- Launches about 40 new products every year

Local presence

- 35 major production units
- More than 100 service centres
- Sales companies in 55 countries
- Sales representation in another 45 countries
- We speak your language
- We're there when you need us – and even when you don't





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

Contact details for all countries are continually updated on our web site. Please visit www.alfalaval.com to access the information.

