



Alfa Laval inert gas solutions for crude oil tankers

Providing cost-effective reliability



Two things play a major role in how profitable your crude oil tanker can be. One is flexibility, the other is keeping costs to a minimum. Both depend on certain equipment, such as your inert gas system during offloading. Alfa Laval understands the importance of reliability in operation and predictability in maintenance, which is why our inert gas systems can be found on almost 2000 vessels.

Your crude oil tanker's inert gas system is vital to safety and efficiency during offloading. We designed the Alfa Laval Smit Flue Gas system – our main solution for the crude oil tanker market – to be both reliable and efficient in every way.

Reliability matters

For good reason, regulations demand inert gas systems on new crude oil

tankers. To avoid costly delays, penalties and above all catastrophe, your system must work whenever needed, despite continuous exposure to high temperatures and seawater.

This is why Alfa Laval uses durable materials and best-quality components, and why we back up our inert gas systems with proven maintenance solutions. Spare parts are readily available and easily installed, and our systems require little maintenance overall. The Smit Flue Gas system is also low in complexity, which means there is little chance for things to go wrong.

Fuel and money saved

Alfa Laval also values fuel efficiency, which is important for both your tanker's economy and the environment. Instead

of burning extra fuel, the Smit Flue Gas system produces inert gas by scrubbing the flue gases from your oil-fired boilers. In other words, you save money by utilizing the gas you already have on board.

Very clean inert gas

The quality of your inert gas is important, even if the oil you carry is less than clean. Alfa Laval is a leading supplier of marine scrubber solutions for exhaust gas cleaning and has decades of scrubbing experience in inert gas production. So you can count on excellent results with the Smit Flue Gas system.

In fact, the scrubbed gas is clean enough that you can diversify your operations. Equipped with a Smit Flue Gas system, your tanker can carry distilled oil products in addition to crude.

The Alfa Laval Smit Flue Gas inert gas system

As the market leader in inert gas systems, Alfa Laval has provided them to hundreds of crude oil tankers in the past 50 years. In the Smit Flue Gas system, those decades of experience have been consolidated into a truly streamlined solution.

Capacity range

3000-30,000 m³/h

Design

Flue gas cleaning

Pressure

0.1 bar(g)

Fuel Type

Flue gas from oil-fired boiler

Dew point

Saturated



Topping up

If your boilers are offline during your voyage, you may not want to start them up to produce only a small amount of inert gas. In such cases, a combustion-based inert gas generator is the ideal solution for topping up the tanks. As the proven leader in inert gas systems, Alfa Laval can provide a small and fuel-efficient generator that complements your Smit Flue Gas system perfectly.

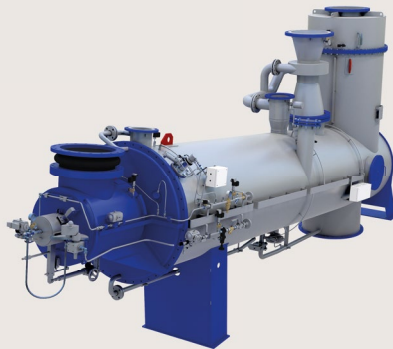
Why choose Alfa Laval?

Alfa Laval is the standard-setter and market leader, having spent decades optimizing cargo safety under the Smit name. You get the highest reliability, both from our inert gas systems and from the organization that supports them.

- Over 50 years of experience with inert gas systems
- Highest material and component quality
- Worldwide access to service and spares
- 24/7 customer assistance hotline
- Service engineers who can be anywhere in the world within 24 hours
- Shipping of nearly any part without delay
- In-house operator training

When flexibility is everything

If your tanker switches between dirty crude oil cargoes and cleaner refined cargoes, you need a single inert gas system with high flexibility. The Alfa Laval Combinert[®] system lets you produce inert gas in two ways, by scrubbing the flue gas from your boilers or by means of fuel combustion. When burning fuel, its Ultramizing[®] burner technology ensures soot-free inert gas of the very highest quality.



How to contact Alfa Laval

Up-to-date Alfa Laval contact details for all countries are always available on our website at www.alfalaval.com.