

Atlas Copco



Inert gas for fuel gas systems

Nitrogen solutions for marine applications

Turnkey nitrogen solutions for dual fuel & gas fuelled marine engines

Atlas Copco is a market leader in nitrogen systems for maritime applications such as ballast water treatment, cargo tank inerting during loading and unloading or while sailing, pump stripping after loading and unloading, or fuel line purging for LNG fuel supply. Combining powerful technology with a high level of flexibility and cost savings has made us a preferred supplier of marine and offshore nitrogen generators.



N₂ performance

Atlas Copco nitrogen generators are the safe, convenient and economic source of nitrogen. They deliver nitrogen ranging from 95.0% to 99.999% purity and capacities from a few m³ up to 10,000 m³/h and beyond. The individual equipment that makes up the generator is in-house developed by Atlas Copco to give you complete peace of mind.



Flexibility

Atlas Copco's modular design and small footprint provide a totally new flexibility. Supplied as a complete plug and play skid or rather as individual loose components, you name it. All major components are in-house Atlas Copco technology. We also offer tailor-made systems based on standard marine modules.



Clean

Atlas Copco's nitrogen generators deliver very clean and dry gas. This protects your vessel, your engine, but also your entire gas fuel system. Clean and dry nitrogen also saves valuable time and money by speeding up the fuel gas system inerting process.



Cost-saving technology

A higher utilization of the natural content of nitrogen in atmospheric air, combined with a lower inlet pressure, considerably reduces our PSA technology's energy consumption. However we are able to deliver both marine PSA as membrane systems as off the shelf solution with a minimum of energy consumption by using variable speed compressors, high-performance dryers and filters, and a unique energy-saving algorithm embedded in the NGP+ generator.



A trusted marine partner



Versatility

Hardly any two ships are the same, so why should their equipment be? Atlas Copco can offer a custom solution that matches your exact needs. We will find the right air system with the lowest overall cost of ownership.

Confidence

Alone on the high seas, your crews need to be able to trust their equipment. Atlas Copco's state-of-the-art marine products are built and certified to weather the roughest conditions.

Proximity

We are wherever your ships are going. Atlas Copco is present in more than 160 countries. With an extensive dealer network and a variety of service offers, we make sure you keep running full steam ahead.





Superior flexibility

Atlas Copco generators let you produce your own nitrogen at the flip of a switch. It's your own nitrogen supply, when you want it, where you want it and how you want it.

Your all-inclusive nitrogen partner

To increase your flexibility, you can choose from an extensive range of standard Marine approved nitrogen generators and compressors. Each unit can be easily customized to meet your individual needs. We also offer a variety of high-quality equipment to support the generator, including compressors, dryers, boosters, and filters.

High pressure solutions

As for some applications, like inerting of your fuel tanks, you need a high peak flow. We are able to store the generated nitrogen in high pressure bottles to create a storage. With this solution you have enough nitrogen for daily operations and will have the storage to be used for peak demands when needed. This gives you peace of mind to ensure your gas fuel operations are safe and reliable and can run independently.

Atlas Copco nitrogen generation Your benefits

- Significant energy savings.
- User interface designed for easy and safe operation.
- Made for the marine environment in accordance with IGF, IGC and FSS code.
- High reliability and low maintenance.
- Small footprint.
- Clean and dry inert gas.
- CMS & membrane lifespan of 40,000 – 45,000 running hours.
- Modular design which can be customized.



Sustainability

The number one priority of the marine industry is sustainability. Atlas Copco will help you turn goals and ambitions into realizations. Increasing efficiency, lowering emissions, and reducing your overall environmental footprint drive our unrelenting investment in innovation. It's what allows us and our customers to continue to set new standards in compressed air performance.

Exceeding the toughest standards

Atlas Copco has been granted triple ISO 9001:2000, ISO 14001:2014 and OHSAS 18001 certification for Quality, Environmental and Occupational Health & Safety Management by Lloyd's Register Quality Assurance (LRQA). This demonstrates our commitment to the quality of our services, our care for the environmental impact of our operations and the health of our employees and customers.

Atlas Copco has a close working relationship with all major classification societies. We are always working to develop our products for the benefit of ship owners and vessel crews by ensuring our products perform optimally in the most demanding maritime conditions and temperatures.



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