



Calibration and test gases for the
Marine Industry

Calibration and test gases for all marine applications



Onboard a vessel or offshore platform, the number one priority is the safety of its crew. Explosive hazards from hydrocarbon gases and vapours are an ever-present danger, while toxic gases and depleted oxygen environments can pose a significant danger to personnel. Gas detectors are therefore essential in warning the presence of these risks. However, to ensure accurate readings and maintain the reliability of gas detectors, it's critical that all gas detection and measurement instruments undergo a regular schedule of calibration or bump testing. Calibration involves checking the accuracy of the detector against a standard. Calibration gases, are mixtures which act as a comparative standard in the calibration of gas analysers or detectors; given their use calibration gases must be exact and traceable to a national or international standard.

Air Products is an established supplier to the marine industry, serving customers in this market for many years. Through close working relationships we have built a wealth of technical expertise and a thorough understanding of specific marine applications. This, together with our global supply capabilities and extensive product portfolio is why Air Products is a trusted partner of choice within the marine industry.

Our unique strengths

- A comprehensive portfolio of non-refillable canisters manufactured to the highest standards
- Specialised manufacturing plants in Europe and the Middle East, ensuring fast deliveries to all locations
- Global distribution network capabilities enabled by our European distribution hub
- Extensive equipment range—including regulators, flow valves and carry cases
- Dial a flow regulator; nine flow rates from one regulator, ideal for reducing stock levels in marine applications

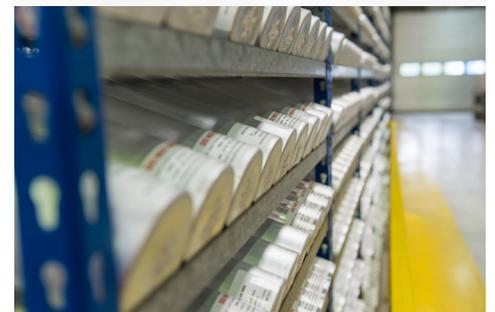


Stability and shelf life

Our gas mixture stability and the validity of our shelf life claims are critical to the marine market. Advanced canister preparation techniques, high integrity filling manifolds and the use of ultra-high purity raw materials all contribute to the long-term stability of our gas mixtures, resulting in a shelf life of up to 5 years.

We are world leaders in specialty gas mixture preparation. Over 50 years of research and development in this field tells us that mixture stability is achieved by a combination of factors including:

- Optimum canister and valve selection enhanced by proprietary preparation and passivation techniques
- The selection of ultra-high purity raw materials
- Proprietary filling technology using ultra high integrity filling manifolds
- Comprehensive shelf life studies



This knowledge and experience is brought together to achieve the accurately certified and consistent calibration gas standards that customers demand. All of our gas mixtures are issued with hard copy certificates of analysis that exceed the requirements defined in ISO 6141.

Certificates of analysis are also available on-line 24/7 via MyAirProducts^{SM*}.

* Account registration required



A helping hand when and where you need it . . .

Alongside our extensive product portfolio we have built a comprehensive support network to ensure our customers are never far from technical advice and expertise. We have local customer service and order management centres throughout the world, with dedicated specialist teams on hand to assist with your enquiries.

Our online 'My Air Products' service provides 24-hour access to customer critical information, including relevant certificates of analysis.

Supply capabilities

Air Products is one of the world's largest merchant gas and chemicals companies and has an extensive range of industrial and speciality gases available. Our supply network and world class logistical capabilities allow us to respond rapidly to the demands of our customers wherever they are.

Order tracking is included as standard with all non-refillable canister orders, enabling you to track your order every step of the way, door to door.

For more information,
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