

Inerting, Purging and Pressure Transfer

Safe and reliable nitrogen supply



- Improve product quality and eliminate degradation
- Avoid corrosion and reduce cleaning time
- Minimize risks of handling hazardous gases

Your process and product quality can be impacted by contaminants and moisture in your storage systems. Airgas, an Air Liquide company, offers customized inerting and blanketing solutions using high-purity nitrogen that contain no oxygen, moisture or other contaminants. These gas solutions improve end-product quality and safety. They help protect liquid products from impurities found in air, tank corrosion and explosions within tanks and vessels.

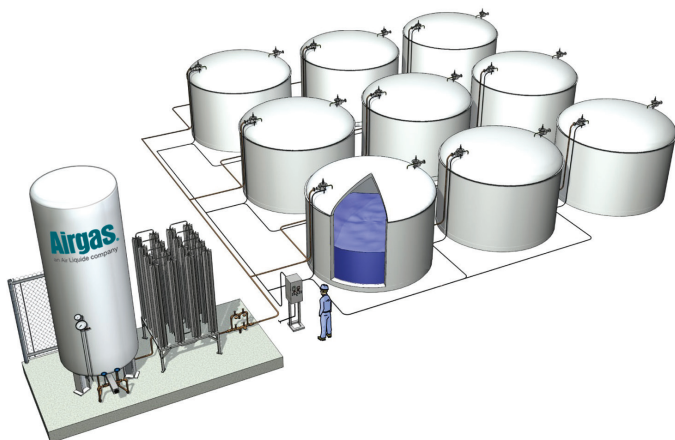
Additionally, Airgas can provide expertise and equipment for vessel pressure transfer, purging and more for most plant operations. Cost effective and easy to implement, inerting with nitrogen is applicable to most industries.

- Production: Raw materials, reactors, mixing tanks
- Transport: Pipelines, tanker trucks, railcars, barges
- Unit Operations: Pressure transfer, vessel drying, pressure testing
- Storage: Vessels, terminals, repackaging, finished products

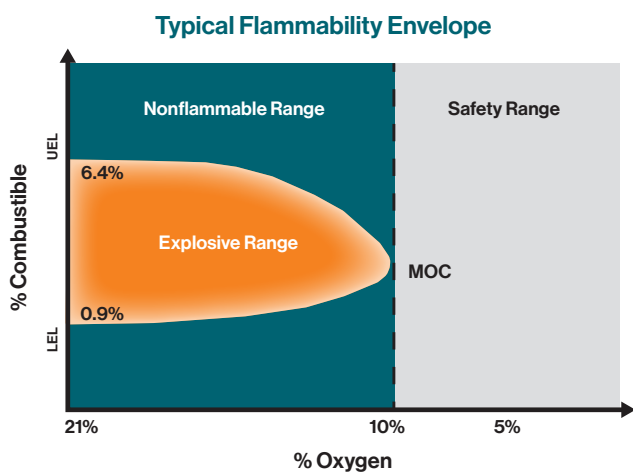
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Our nitrogen solution



- Improve plant safety and reduce risks associated with flammable liquids
- Protect product quality as well as your equipment from oxidation and moisture impact
- Provide an efficient and safe purging method for vessel offloading
- Improve compliance and meet technical and safety standards like NFPA, PAI and NEMA with Airgas equipment
- Evaluate your system and site conditions to help minimize nitrogen consumption rates and maximize savings
- Track daily nitrogen consumption with remote monitoring service to help forecast spikes and optimize costs



From cylinder to bulk to FLOXAL™ on-site gas production, your nitrogen requirements are carefully calculated so you get the right amount of gas and optimized process performance



Create a customized solution based on proven sizing models and industry experience

- Vessel size, product quantities, emptying rates and production schedules
- Mechanical and customizable digital systems, including start-up and commissioning
- Nitrogen System Audit: identify ways to improve productivity and efficiency
- Turnkey installations are available



Tap into the full support of Airgas application engineers, backed by a global network of experts, who are dedicated to work with you—from system audit to gas supply recommendations and design, to implementation and maintenance



- Determine Maximum Oxygen Content (MOC) required in the headspace and prevent explosive scenarios when Airgas experts use flammability data for products specific to your site
- With a team of more than 60 QSSP- and OSHA 30-certified safety specialists, get the right safety products, PPE and services to help keep your team safe and compliant



As a single-source supplier, our smart supply chain solution options give you complete visibility into your inventory and gas usage, helping you increase efficiency and save time



Ask us how we can help you decrease your carbon footprint of your bulk nitrogen supply