

Medical gases turnkey offerings Flexible and cost-efficient



More solutions for medical installations

For hospitals and other medical facilities such as wound care or hyperbaric oxygen therapy centers, Air Products now offers on-site turnkey installations of our traditional large volume liquid bulk tanks or CryoEase® Microbulk supply for smaller volume users.

Air Products will engineer, manage, and install your medical Microbulk or liquid bulk tank system including the piping to point-of-use, concrete pad, electrical, and alarms.

Our medical gas delivery systems feature specially designed tank trucks with integrated controls and flexible storage tank options built with all alarms. Various tank sizes, pressures, and configurations are available to meet specific needs. Microbulk supply may offer a less expensive solution, even if you use as few as 10 cylinders a month of the same gas.

Why choose Air Products for turnkey services?

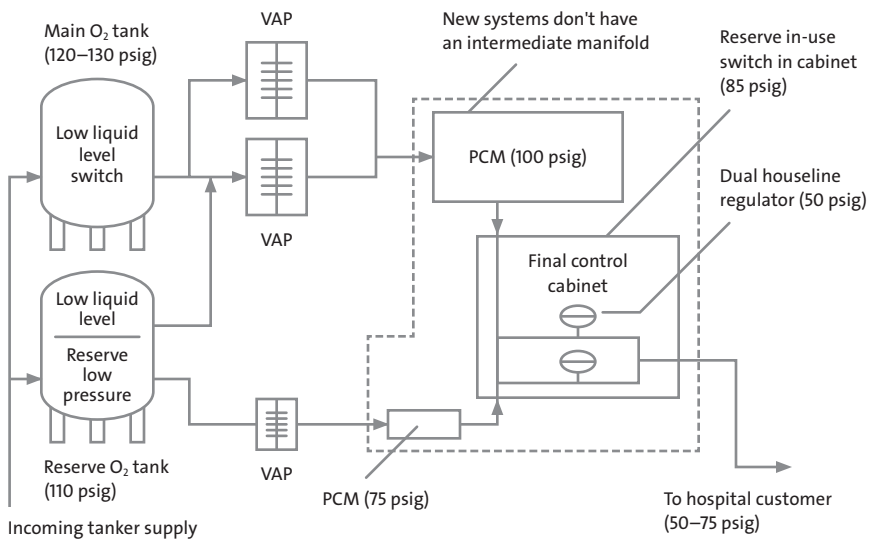
- You benefit from our extensive expertise in engineering and project management.
- You transfer the project management to Air Products.
- You only have to work with one source for design, equipment, and installation.
- You are assured of meeting all NFPA and Compressed Gas Association (CGA) standards and guidelines, and other applicable codes.
- You can count on your product being there when you need it, thanks to our world-class logistics network with a reliability rate of 99.99+% on-time delivery.
- You gain greater control of your facility's critical oxygen supply.

Comprehensive services

- Project management, engineering, and certification (NFPA 99)
- System design and analysis
- Oxygen supply system (tanks, vaporizers)
- Electronic monitoring of product supply levels
- Medical piping
- Electrical
- Alarm panel, alarms, valves, switches
- Foundation design
- Tank and equipment concrete pad, bollards (protective posts)
- Concrete unloading apron



Figure 1. A typical on-site turnkey system



The expertise you expect

Gary L. Bean, Air Products (Global Operations Engineering), typifies the experience and professionalism we bring to each and every turnkey installation for our hospital and medical gases customers. Gary has worked as a medical supply systems designer and engineer for nearly 20 years. He is a 10-year member of the Compressed Gas Association's Medical Gas Committee and a five-year member of the CGA's NFPA 99 Piping Technical Committee. In addition, he is an Air Products cGMP work process owner.

Medical services

Air Products can provide these optional ongoing services for your medical system:

- System consultation, design, and management
- Site evaluation
- Alarm testing
- Equipment leak inspection
- Repairs
- Preventative maintenance
- Comprehensive compliance and safety evaluation
- Engineering support

Small to large volume offering

- **CryoEase® Microbulk / small system**— less than 40,000 scf/month (120, 260, or 400 gallon tank with cylinder reserve)
- **Small system**— 40,000 to 400,000 scf/month (500 to 1,500-gallon tank with 120 gallon reserve)
- **Medium system**— up to 1MM scf/month (3,000 to 6,000 gallon tank with 500 gallon reserve)
- **Large system**— >1MM scf/month (9,000 to 11,000 gallon tank with 1,500 gallon reserve)

Compliance and safety

At Air Products, nothing is more important than safety. It is a commitment we all share and one that we share with our customers. We are a safety leader in our industry and stand among the top performers of the CMA's Responsible Care program.

Air Products is focused on outstanding safety performance and medical gas compliance, part of our total solutions approach to doing business. We supply products and services that may help reduce your risk of noncompliance or downtime and lower your overall operating costs.



For more information about our medical gases, services and equipment, please contact us at:

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