

Emergency supply

Medical oxygen systems



Take more control of your hospital's oxygen with additional on-site reserve capacity

Air Products understands that no hospital can ever afford to have its vital oxygen supply interrupted.

That's why we have a reliability rate of 99.99+% for deliveries to hospital customers in North America. Air Products is committed to never allow oxygen to run out or to become dangerously depleted at any hospital, nursing home or extended care facility. North American deliveries are scheduled from our world-class logistics center, where we forecast deliveries using our proprietary software and remote TELALERT® telemetry systems.

Protecting against the unexpected

While it is impossible to protect against a natural disaster, a Homeland Security incident, or disruptions from planned

construction, Air Products recommends that some hospitals might like the extra reassurance that comes from adding more on-site oxygen storage, usually a second liquid bulk tank with at least a 24-hour emergency supply, or more if conditions dictate. This reserve should be at a different on-campus location than the existing main tank.

Peace of mind comes from knowing your facility is totally prepared for anything.

The advantages of on-site emergency supply

- Instantaneous supply for oxygen line failure.
- Extra oxygen to cope with unforeseen disasters.
- Ability to avoid more costly tanker or emergency deliveries.
- Flexibility to handle future construction and other physical plant changes.

- Meet unusual spikes in oxygen demand.
- Integrate easily with existing in-hospital system.
- More options to zone oxygen distribution.

Why choose Air Products?

- On-site provider for medical oxygen and nitrogen to hospitals since 1947.
- We offer optional services for your reserve tank installation including: Testing, Repairs, Preventative maintenance, Gas audits, Engineering and Turnkey installations.
- We are focused on outstanding safety performance, part of our total solutions approach to doing business. Equally important, is our emphasis on quality and sustainability.
- Our Customer Service and Logistics teams are staffed 24/7, 365 days a year to serve your needs. Call 1-800-224-2724.

You can count on Air Products

With Air Products as your medical gas supplier, you can count on getting not only unmatched technical innovation with gases for your healthcare facility, but also a reliable and consistent supply of the high-purity medical oxygen, nitrogen, and other gases your facility needs so you can focus on patient care.

We can meet your hospital emergency preparedness requirements

We have three emergency oxygen systems that we can tailor to meet your requirements:



1.) Emergency supply system

Permanent, single-tank system separate from the primary oxygen system, but connected to the main house line.



2.) Redundant tank system

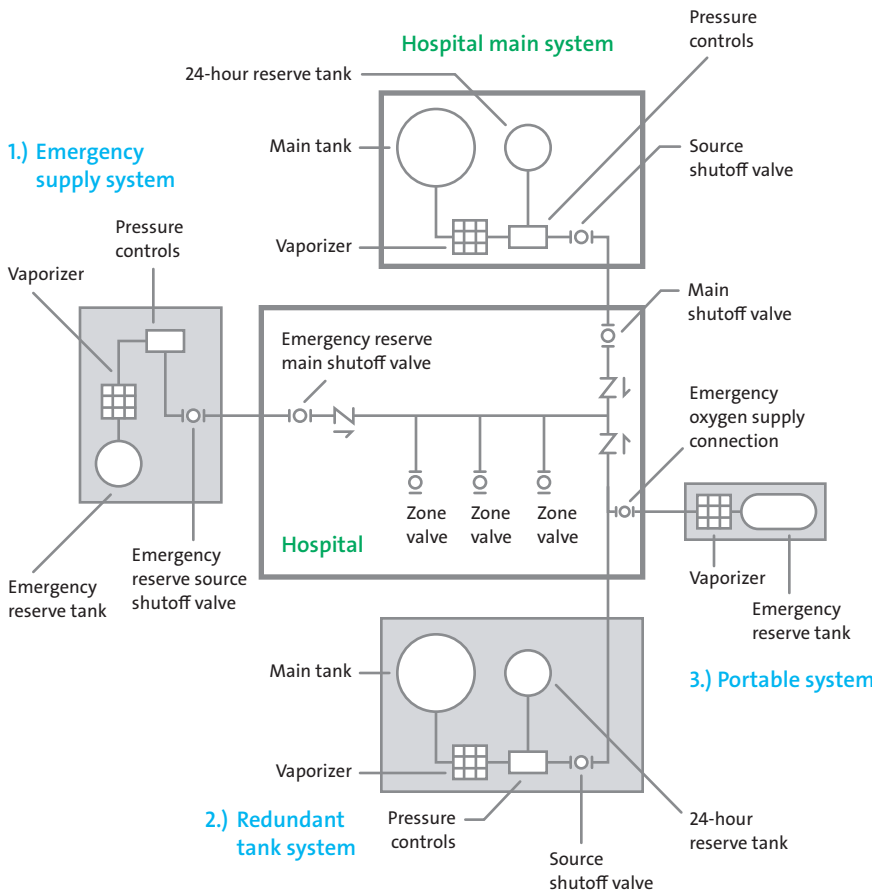
Permanent, two-tank system separate from the primary oxygen system, but connected to the main house line.



3.) Portable systems

Temporary 500 or 3,000 gallon oxygen tank system hooked up to the emergency oxygen supply connection (EOSC).

Figure 1. Typical USP oxygen emergency supply systems (Not to scale)



Design features

The emergency supply and redundant tank systems (Fig. 1) are sized and designed to supply normal operating flows and pressures even under emergency conditions. The systems have cryogenic tank(s), ambient vaporizers, dual regulators, final houseline safety relief valve, and low-liquid and low-pressure alarms. The systems capture boil-off gas, and deliver it down the houseline.

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