

**COMPRESSED
MEDICAL GASES**

The City of Ventura Fire Department requires that an installation permit be obtained prior to placing any gas system (oxygen, nitrous oxide, other) in excess of 504 cubic feet in volume into service. Further, in accordance with 2010 California Fire Code Section 105.6.8, VFD requires that an annual operating permit be obtained for storage of compressed medical gas in excess of 200 cubic feet in volume. In accordance with Health and Safety Code Section 25503.5, the VFD requires both a Hazardous Materials Business Plan and associated annual operating permit be obtained for each compressed gas in excess of 1000 cubic feet in volume. Permits are issued by the Ventura City Fire Department, Fire Prevention Division.

Permitting, Submittals, Installation and Scheduling

- Contractor shall secure an installation permit from the Fire Prevention Division prior to the start of installation. Three (3) sets of plans shall be submitted for review and approval.
- Contractor shall secure all other associated permits as required prior to the start of installation. For electrical, plumbing and/or mechanical permit(s), contact Building and Safety at 805/654-7869.
- Under no circumstances shall product be placed in to container(s) without prior approval from the Fire Prevention Division.
- Contractor shall install and test container(s) in accordance with the manufacturer's recommendations/guidelines.
- Contractor shall be responsible for scheduling all associated inspections. *Fire Prevention shall withhold approval to operate the container until verification has been received indicating satisfactory completion of all associated inspections.*

On-Site Inspection Criteria

- Medical gas systems (design, installation, and operation) shall comply with NFPA 99. *CFC 3006.4*
- Medical gas containers shall have dedicated storage areas without other storage. *CFC 3006.2*
- Where medical gas storage exceeds allowable amount – storage shall be in fire-sprinklered 1-hour rated rooms with approved ventilation or in approved gas cabinets. *CFC 3006.2*. See *CFC 2703.8.6* and *3006.2.3* for gas cabinet storage.
- Storage enclosures containing oxygen shall be clearly identified "COMPRESSED GAS: OXIDIZER/NO OPEN FLAME". *CFC 3003.4*
- All distribution piping shall be identified including direction of flow arrow. *CFC 3003.4.3*
- Gas containers shall be stored and handled such that they are clear of specific hazards (heat sources above 125°F, sources of ignition, falling objects, ledges, electrical wiring, other). *CFC 3003.7*
- Gas containers shall be secured to prevent toppling. *CFC 3003.5.3*
- Gas containers not in use shall be protected from physical damage by means of protective caps. *CFC 3003.6.1*
- Gas containers exposed to potential vehicle impact shall be protected by means of guard posts or other barrier. *CFC 3003.5.2*
- Leaking, damaged or corroded gas containers shall be removed from service and repaired or replaced in an approved manner. *CFC 3003.12*