



Clark County Fire Prevention

Mission Statement: "To provide the highest level of fire protection and related services"

105.8.c.9-3

TITLE: MEDICAL GAS SYSTEMS

SCOPE: Medical/compressed systems must be installed in accordance with this guideline and the requirements contained in the NFPA codes and standards and the 2005 Clark County Fire Code.

PURPOSE: To provide standardized Fire Department requirements relating to the installation and permitting of medical gas/compressed gas systems.

SPECIFICATIONS AND REQUIREMENTS

At the time of permit application, three (3) sets of plans, drawn to an indicated scale, must be submitted for review and approval. Permit fees for this type of submittal vary. The standard permit fee is due upon submittal. Please see the Clark County Fire Department Permit and Service Fee Schedule for specific information. Please check our website for plan status. Any additional fees will be indicated on the website. Once the plans have been approved and any outstanding fees have been paid, an inspection can be scheduled.

Our website is <http://www.accessclarkcounty.com/fire/firedept.htm> . To check on plan status, click on the "Plan Status" button and follow the instructions. To schedule an inspection, click on "Services" in the teal strip on the top. On the left side under **Inspection** click on "Fire Inspection" and follow the instructions.

Plans shall contain the following information:

Name, physical address, and the Assessors Parcel Number (APN) for the project must be included on the plans. Plans shall also designate the authority having jurisdiction.

Plans must be drawn to an indicated scale or be suitable dimensioned and legible.

Plans shall include the following information (References: NFPA 99C; 1997 UFC Art. 74; 1994 UPC, Appendix F)

Name, Testing agency required by the 2005 Clark County Fire Code.

Type and size of piping, valves, tubes, fittings and station outlets, etc.

Details that describe and illustrate the method of securing piping.*

Method and frequency of labeling of all Med Gas piping including the direction of flow of the gas*

Location and type of shutoff valves, check valves, pressure relief valves and pressure regulators

Location of storage cylinders, tanks and size.

Manufacturer's technical data literature on tanks, cylinders, valves pressure regulating assemblies and alarm components and panels.

Type of product(s) (oxygen, medical gas, etc.)*

Quantity of product* (Cubic Feet at Normal Temperature and Pressure (NPT)

Storage room information: fire sprinklers, venting, electrical, temperature controlled, separation*

Location of anesthetizing, oxygen

Oxygen and nitrous oxide must be separated from locations which contain anesthetizing gases*

Required Alarms

Piping shall not enter or pass through kitchens or electrical switch rooms.*

Any changes to the approved plans will have to be submitted before testing and final approval

*This information may be provided in the form of an information block.