



**COMMUNITY DEVELOPMENT DEPARTMENT**

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## **MEDICAL GAS SYSTEMS**

Medical gas systems, distribution piping, supply manifolds, connections, regulators, valves, alarms, sensors and associated equipment shall be in accordance with the Fire Code, Plumbing Code, NFPA 99, and all applicable RCWs and WACs. These requirements relate to medical gas systems and medical vacuum systems in patient care hospitals, clinics, dentist offices, and other health care facilities.

### **Plan Review:**

Before any medical gas or medical vacuum system is installed or altered, two (2) sets of plans and specifications prepared, sealed, and signed by a mechanical engineer licensed to practice in the State of Washington shall be submitted to the Building Division. For minor projects, the Building Official may waive the requirement for plans by a mechanical engineer. Plans shall be reviewed and approved prior to issuance of any permit for such system. The mechanical engineer by sealing and signing the drawings, certifies that the drawings comply with Code. These plans should be submitted with a permit application.

### **Installation Standards:**

Brazing shall be performed by individuals who are qualified and have the appropriate endorsements. These credentials will be checked in the field and not at the time of permit application. Brazed joints and fittings shall be in accordance with UPC 1309.4

### **Required Inspections from the Building Division:**

Call the inspector identified on your permit for the following:

- Initial Pressure Test
- Inspection of Pipe and Equipment prior to closing of walls
- Final Inspection

### **Installer Testing:**

The procedures and tests outlined in NFPA 99 are the responsibility of the installer.

### **Third Party Systems Verification Testing:**

Tests and procedures outlined in NFPA 99 are the responsibility of an qualified independent third party agency.

### **Maintenance and Testing:**

Maintenance and testing of medical gas systems including, but not limited to, distribution piping, supply manifolds, connections, pressure regulators and relief devices and valves, shall comply with the maintenance and testing requirements of NFPA 99 and the general provisions of 5306 IFC.