

VALLEYCARE
OLIVE VIEW-UCLA MEDICAL CENTER/HEALTH CENTERS
DEPARTMENT: FACILITIES
POLICY & PROCEDURE

NUMBER: 657
VERSION: 1

SUBJECT/TITLE: **MEDICAL GAS/VACUUM SYSTEMS –
INSTALLATION/MODIFICATION**

POLICY: Specifications and requirements for any and all modifications, additions or repairs to the existing medical gas and vacuum systems.

PURPOSE:

DEPARTMENTS: **FACILITIES**

DEFINITIONS:

PROCEDURE: Medical Gas - Upon completion of any modification, additions or repairs the following tests shall be completed:

1. Piping Purge Test
2. Leakage Test
3. Operational Pressure
4. Cross Connection
5. Medical Gases Concentration Test
6. Medical Gas System Alarm Testing

Alarm signals and pressure gauges shall be located to ensure continuous responsible surveillance. Each signal device and gauge shall be appropriately labeled.

Medical Vacuum - The following tests shall be conducted to ensure proper operation of the system upon completion of the installation:

1. Inspection of Vacuum Systems
2. Leakage Tests
3. Standing Pressure Test
4. Cross Connection
5. Vacuum System Alarm Testing

Record keeping for Vacuum Systems - Upon completion of the tests described, a written record of the performance of these tests shall be maintained in the permanent records of the facility.

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Policy Number: 657

Page Number: 2

Inspection - All new medical gas and vacuum piping systems, portions of existing systems, shall be inspected by the department having jurisdiction.

Minimum Flow and Pressure Requirements at Vacuum Station Inlets -Piping shall be sized such that 3 S.C.F.M. can be evacuated through any one station inlet without reducing vacuum pressure below 12 in. Hg. at an adjacent station inlet.

Medical Gas Brazers - The installation of medical gas/vacuum system shall be made by qualified, competent technicians, experienced in making such installations, who possess a brazing certificate issued by an organization/institution that uses brazing standards recognized by the American Welding Society.

Certification - All tests shall be performed by a qualified person testing entity, independent from the installers. Pursuant to Title 24, California Code of Regulations, the qualified person or testing entity shall be selected by the governing board or authority of the health facility and approved by the architect or engineer of record.

References:	
Approved by: Robert Ross (Director, Facilities)	Date: 08/12/2009
Review Date: 07/16/2015	Revision Date:
Distribution: Facilities	
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