



MEDICAL GAS SYSTEM
INSTALLER PERFORMANCE TESTING RECORD

Testing is done per the requirements of ASSE Standard 6010 and NFPA 99. All installer testing shall be performed by credentialed medical gas installers. The test gas used shall be oil-free dry nitrogen (NF).

CSA: The test gas shall be oil-free dry air or oil-free dry nitrogen.

FACILITY NAME: AREA:

PERMIT/IVR #

1. Initial Blow Down Test - See Section 10-4.12

Intermittent flow of oil-free, dry nitrogen (NF) through piping

Table with 5 columns: Medical Gas System, Date, Tested By, Pass/Fail, Test Accepted By. Rows include Oxygen, Medical Air, Nitrous Oxide, Carbon Dioxide, Nitrogen, Instrument Air, Medical/Surgical Vacuum, WAGD.

2. Initial Pressure Test (Joints/Pipe Integrity) - See Section 10-4.13

Pressure test of 1 1/2 times the working pressure, 1035 kPa (150 psig) minimum, nitrogen at 1655 kPa (240 psig) minimum using oil-free, dry nitrogen (NF).

Table with 5 columns: Medical Gas System, Date, Tested By, Pass/Fail, Test Accepted By. Rows include Oxygen, Medical Air, Nitrous Oxide, Carbon Dioxide, Nitrogen, Instrument Air.

3. Initial Pressure Test for Vacuum Systems – See Section 10-4.13

Pressure test of 415 kPa (60 psi) minimum using oil-free, dry nitrogen (NF)

Medical Gas System	Date	Tested By	Pass/Fail	Test Accepted By
Medical/Surgical Vacuum	_____	_____	_____	_____
WAGD	_____	_____	_____	_____
_____	_____	_____	_____	_____

4. Cross Connection Test (Initial) – See Section 10-4.14

Determine that each outlet is connected to the appropriate line by flowing gas through each system. Test one system at a time using oil-free dry nitrogen (NF).

CSA: The test gas shall be oil-free dry air or oil-free dry nitrogen.

Medical Gas System	Date	Tested By	Pass/Fail	Test Accepted By
Oxygen	_____	_____	_____	_____
Medical Air	_____	_____	_____	_____
Nitrous Oxide	_____	_____	_____	_____
Carbon Dioxide	_____	_____	_____	_____
Nitrogen	_____	_____	_____	_____
Instrument Air	_____	_____	_____	_____
Medical/Surgical Vacuum	_____	_____	_____	_____
WAGD	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

5. Piping Purge Test – See Section 10-4.15

High flow through assembled outlets.

Medical Gas System	Date	Tested By	Pass/Fail	Test Accepted By
Oxygen	_____	_____	_____	_____
Medical Air	_____	_____	_____	_____
Nitrous Oxide	_____	_____	_____	_____
Carbon Dioxide	_____	_____	_____	_____
Nitrogen	_____	_____	_____	_____
Instrument Air	_____	_____	_____	_____
Medical/Surgical Vacuum	_____	_____	_____	_____
WAGD	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

6. Standing Pressure Test for Positive Pressure Piping – See Section 10-4.16

Twenty-four (24) hour standing pressure test at 20% above normal line pressure using oil-free, dry nitrogen (NF) with outlets and other components assembled.

Medical Gas System	Date	Tested By	Pass/Fail	Test Accepted By
Oxygen	_____	_____	_____	_____
Medical Air	_____	_____	_____	_____
Nitrous Oxide	_____	_____	_____	_____
Carbon Dioxide	_____	_____	_____	_____
Nitrogen	_____	_____	_____	_____
Instrument Air	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

7. Standing Pressure Test for Vacuum Systems – See Section 10-4.16

Twenty-four (24) hour standing vacuum test at 300 mm (12 inches) gage HgV with inlets and other components assembled.

Medical Gas System	Date	Tested By	Pass/Fail	Test Accepted By
Medical/Surgical Vacuum	_____	_____	_____	_____
WAGD	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____