2.0 Scope and Management Summary

- The scope of this report is a medical gas inspection to a category 1 facility as defined by NFPA-99, 2021 edition Chapter 4.
- Medical Gases, Support Gases, vacuum involved were **oxygen, medical air, surgical vacuum, nitrous oxide and nitrogen.**

The Medical Gas System inspection tests were performed as outlined in the JC EC.02.05.09 and the NFPA-99, 2021 edition.

1. Bulk/Manifold location, function, and alarm reporting
2. Pump/compressor location, performance, and alarm reporting
3. Master/area alarm location, function, and labeling
4. Valve performance, location, and labeling
5. Inlet/Outlet latch, flow, and concentration

3.0 Management Summary

The medical gas systems tested above are inspected to be in compliance with the NFPA99, 2021 edition. Tests/Verification performed:

3.1 Oxygen bulk site

The site meets NFPA55 requirements except for any noted deficiencies.

1. Bulk tank is owned by the **VA Medical System**
2. Bulk site is inspected by: **Praxair**
3. Site maintenance and safeties are managed by: **Praxair**
4. Local and site master alarm signals are tested by:

3.2 Medical/Instrument Air compressors

The mechanical room meets NFPA99 requirements except for any noted deficiencies.

5. Primary to lag cycle works with lag in use alarm sent to master alarm panels.
6. Run timers work as designed.
7. Overall condition of medical/instrument air compressors is: **Good**

3.3 Vacuum pumps

The mechanical room meets NFPA99 requirements except for any noted deficiencies.

8. Primary to lag cycle works with Lag in use alarm sent to master alarm panels.
9. Run timers work as designed.
10. Overall condition of vacuum pumps is: **Good**

3.4 Medical gas manifolds – N2O & N2

The manifold room meets NFPA99 requirements except for any noted deficiencies.

11. Switch from left bank to right and right bank to left with local and master alarm reporting.
12. All redundancies and labeling are correct.
13. Vent lines brazed and labeled.

3.5 Master Alarm panels

The master alarm panels meet NFPA99 requirements except for any noted deficiencies.

14. Location
15. Each alarm is labeled correctly.
16. Individual alarm locations on each master alarm panel are identical.
17. Audible and visual functions tested.

3.6 Valves

The valves meet NFPA99 requirements except for any noted deficiencies.

18. Source/main valves are secure and properly labeled.
19. EOSC is properly labeled, secured, and staff is familiar with its use.
20. Zone valves are properly located and labeled.

3.7 Inlets and Outlets

The inlets and outlets in each patient care area were tested.

21. Latches function as designed.
22. Flow rates meet SCFM guidelines for the area served.
23. Concentration of gas meets NFPA99 standards – See below.

3.8 Medical Gas Concentration Testing (5.1.12.3.11)

The specific tasks performed to inspect the medical gas concentrations are analyzed to meet or exceed the following table: (Table 5.1.12.3.11 Gas Concentrations)

Oxygen	≥99% oxygen
Nitrous Oxide	≥99% nitrous oxide
Nitrogen	≤1% oxygen
Medical air	19.5%-23.5% oxygen
Other gases	±1%, unless otherwise specified

4.0 Quality Control

The Quality control program is designed to assure that measurements made in this report are correct and accurate. To this end, the following equipment was used in testing.

Function	Make Model	Serial #	Calibration frequency	Calibration due
Oxygen	MaxTec	FJ73599008	Daily	N/A
Flow	Dwyer X100	N/A	12 months	4/06/2025
Pressure	Dwyer DPG-107	1P18322C16AB-8	12 months	4/06/2025
Purity	Enmet Matrix +	125-01256	12 months	2/20/2025
Scale 1/10,000g	Sartorius	FJ73599008	Daily	N/A

5.0 Personnel

The following personnel completed the annual medical gas inspection

Name	Title	Credentials	Expiration date	Covid vaccination
	Lead	ASSE 6040	3/2027	YES
Ashton Steely	Apprentice			YES

6.0 Outlets/Inlets tested

The following is the outlet and inlet tested/not tested counts

	Oxygen	Medical Air	Vacuum	Nitrous Oxide	WAGD	Nitrogen
Tested	630	474	609	16	2	22
Not Tested*	10	8	16	0	0	0
Total	640	482	625	16	2	22

*Not tested is an estimated count of outlets and inlets

MEDICAL GAS & VACUUM REPORT KEY

FACILITY CONTACT: **Ken Albright** Kenneth.albright@avaloncontracting.com **253-964-2487**

ADDRESS: **1660 S. Columbian Way Seattle, WA 98108**

Services certifies that all items listed within report have been inspected and, were in compliance with NFPA 99C, The Joint Commission EC. 02.05.09, AIA and CGA guidelines on the date tested, except for those items so indicated in this test report.

ITEMS INSPECTED	SYSTEM
PATIENT TERMINALS & FLEXIBLE CONNECTORS	O, A, V, NO, N
SOURCE EQUIPMENT	O, A, V, NO, N
MEDICAL ISOLATION VALVES	O, A, V, NO, N
MASTER ALARMS	O, A, V, NO, N
AREA ALARMS	O, A, V, NO, N
CROSS CONNECTIONS	O, A, V, NO, N
CONCENTRATION	O, A, NO
PURITY & PARTICULATE *	NOT IN SCOPE OF ANNUAL INSPECTIONS

COLOR CODE
O = OXYGEN
A = MEDICAL AIR
V = VACUUM
NO = NITROUS OXIDE
C = CARBON DIOXIDE
N = NITROGEN
W = WASTE ANESTHESIA GAS
I = INSTRUMENT AIR

The medical gas systems that are represented in this report have been evaluated in accordance with NFPA99 by personnel who are familiar and credentialed to perform the duties outlined in the ASSE 6000 and NFPA99 2021 edition.
The systems have been found to meet or exceed the requirements of the NFPA99 except where noted in the final inspection report.

IF YOUR FACILITY, OR CERTAIN AREAS OF YOUR FACILITY, IS NOT IN STRICT COMPLIANCE WITH THE NFPA99, THE AUTHORITY HAVING JURISDICTION SHOULD DECIDE WHETHER TO CORRECT THE DEFICIENCIES, UPGRADE THE AREA TO MEET THE NFPA99 2018, OR REMAIN THE SAME.

SUMMARY REPORT
OBSERVATIONS FOR UPGRADES – NOT A RECOMMENDATION

Location	Problem/Deficiency	Suggestion	Reference	Corrected by & date
BULK PAD	O2 MAIN LINE HI/LO PRESSURE SWITCH IS UPSTREAM OF THE MAIN VALVE.	MOVE PRESSURE SWITCH DOWN STREAM OF MAIN VALVE	5.1.9.2.5	
BULK PAD	EOSC IS LOCATED ON SAME PAD AS BULK TANK.	MOVE EOSC TO EXTERIOR OF THE BUILDING	5.1.3.5.13.1(1)	
BULK PAD	ADD LOCK TO SECURE EOSC.	ADD LOCK TO EOSC TO PREVENT TAMPERING	5.1.3.5.13.2(1)	
ENERGY PLANT MECHANICAL ROOM	MEDICAL AIR INTAKE IS NOT HARD DRAWN COPPER (PVC)	REPLACE INTAKE WITH HARD DRAWN COPPER PIPING	5.1.3.6.3.12(F), 5.1.10.1.4(1)	
BUILDING 101 BASEMENT HALLWAY	DEW POINT HIGH ALARM IS NOT MONITORED AT THE MASTER ALARM PANELS	INSTALL WIRES FOR ALARM	[5.1.9.2]	
ENERGY PLANT MECHANICAL ROOM	CO HIGH ALARM IS NOT MONITORED AT THE MASTER ALARM PANELS	WIRE CO HIGH ALARM TO MASTER ALARM PANELS	5.1.3.6.3.13(3)	
ENERGY PLANT MECHANICAL ROOM	DEW POINT HIGH ALARM IS NOT MONITORED AT THE MASTER ALARM PANELS	WIRE DEW POINT HIGH ALARM TO MASTER ALARM PANELS	5.1.3.6.3.13(3)	
ENERGY PLANT MECHANICAL ROOM	LABELING IS INCORRECT COLOR CODING	REPLACE LABEL WITH CORRECT COLOR CODING	TABLE 5.1.11	
ENERGY PLANT MECHANICAL ROOM	VACUUM PRESSURE SWITCH PIPED TO WRONG SIDE OF SOURCE VALVE.	MOVE SWITCH TO OTHER SIDE OF SOURCE VALVE	5.1.9.2.5	
MANIFOLD ROOM	NITROGEN DOES NOT HAVE RELIEF VENT PIPING	ADD RELIEF VENT PIPING	5.1.3.5.6.1(4)	
MANIFOLD ROOM	VENT LINE DISCHARGES IN AN UNKNOWN LOCATION	MOVE VENT DISCHARGE LOCATION	5.1.3.5.6.1(7)	
MANIFOLD ROOM	N2 AND N20 MAIN LINE PRESSURE SWITCH IS LOCATED UPSTREAM OF MAIN VALVE	MOVE MAINLINE PRESSURE SWITCH TO OTHER SIDE OF MAIN VALVE	5.1.8.2.2 (1)	

Manifold room	Cannot determine if vent line is screened.	Located and determine if vent line is screened and turned down	5.1.3.5.6.1 (8)	
Manifold room	Manifold vents into bottle room	Add vent to draw gasses out of manifold room	5.1.3.5.6.1 (4)	
Manifold room	Main line pressure switch is located upstream of main valve	Move pressure switch to other side of main valve	5.1.9.2.5	
Bldg 100 1st FL SCI 106,130,138-139,142	No vac zone valve and no gauges	Add vacuum zvb, add oxygen and medical air gauges	5.1.4.6.3 /5.1.4.6.4	
Bldg 100 1st FL SCI	No gauges downstream of zone valves for rooms 107, 110, 112, 115, 117, 119, 123, 124, 126, 127, & 129	Add oxygen, medical air, and vac gauges down stream of zvb	5.1.4.6.4	
Bldg 100 1st FL SCI	Area alarm panel is out of range and is obsolete for rooms 107, 110, 112, 115, 117, 119, 123, 124, 126, 127, & 129	Replace area alarm panel	5.1.9.4.6	
Bldg 100 1st FL SCI East	No gauges downstream of zone valves	Add oxygen, medical air, and vac gauges down stream of zvb	5.1.4.6.4	
Bldg 100 1st FL SCI East	Area alarm panel is out of range and is obsolete	Replace area alarm panel	5.1.9.4.6	
Bldg 100 2nd FL 2 East	No Vacuum zone valve, other valves missing gauges	Add vacuum zone valve box	5.1.4.6.3	
Bldg 100 2nd FL 2 East	Oxygen valve leaks when closed	Replace zone valve box	5.1.4.6.4	
Bldg 100 2nd FL 2 East	room are mislabeled.	Properly label rooms		
Bldg 100 2nd FL 2 East	Vacuum Alarm does not work	Replace area alarm	5.1.12.4.5.3	
Bldg 100 2nd FL 2 East	Room 111 outlets blocked by cabinet	Move cabinets or blank off outlets	observation	

LOCATION	PROBLEM/DEFICIENCY	SUGGESTION	REFERENCE	CORRECTED BY & DATE
BLDG 100 2ND FL MRI	MISSING VAC ALARM	REPLACE OBSOLETE AREA ALARM PANEL	5.1.9.4.6	
BLDG 100 2ND FL MRI	ALARM PANEL IS OUTDATED	REPLACE ALARM PANEL		
BLDG 100 2ND FL DENTAL	NO GAUGES ON ZONE VALVES	ADD ZVB GAUGES	5.1.4.6.4	
BLDG 100 3RD FL 3 EAST	VACUUM IS MISSING FROM ZVB, NO GAUGES FOR OXYGEN OR MEDICAL AIR. MEDICAL AIR VALVE IS MISSING NUT	REPLACE ZVB	5.1.4.6.3	
BLDG 100 3RD FL 3 EAST	ROOM 3C 133 MIDDLE VACUUM INLET LEAKS	REPAIR OR REPLACE INLET		
BLDG 100 3RD FL 3 WEST	NO VACUUM ZONE VALVE, OTHER VALVES MISSING GAUGES.	ADD VACUUM ZVB, ADD OXYGEN AND MEDICAL AIR GAUGES	5.1.4.6.3 /5.1.4.6.4	
BLDG 100 3RD FL PACU	NO VACUUM ZONE VALVE, OTHER VALVES MISSING GAUGES. SHARED ZVB BUT SEPARATE ALARMS	ADD VACUUM ZVB, ADD OXYGEN AND MEDICAL AIR GAUGES	5.1.4.6.3 /5.1.4.6.4	
BLDG 100 3RD FL OR1-OR5, OR7, & OR HOLDING	MISSING GAUGES DOWNSTREAM OF ZONE VALVES	ADD ZVB GAUGES	5.1.4.6.4	
BLDG 100 3RD FL OR1-OR8	AREA ALARM IS OUT OF RANGE AND OBSOLETE	REPLACEMENT OF AREA ALARM PANEL IS IN PROGRESS		

Bldg 100 3rd FL OR5	Med Air label in zone valve box is wrong color	Put right colored label on zone valve for Med Air	Table 5.1.11	
Bldg 100 3rd FL OR 5	Oxygen zone valve leaks	Repair or Replace zone valve		
Bldg 100 3rd FL OR8	Can not see the gauges thru the ZVB cover.	Add correct zvb cover to see zvb gauges		
Bldg 100 4th FL 4 West serving: 4B 119, 121, 123-126, 128, 132	No gauges down stream of zone valves. Missing vacuum zone valve.	Add vacuum zvb, add gauges downstream of zvb for oxygen and medical air	5.1.4.6.4	
Bldg 100 4th FL 4 West serving: 4B 137-140, 144-146, 148, 149, 151	No gauges down stream of zone valves. Missing vacuum zone valve.	Add vacuum zvb, add gauges downstream of zvb for oxygen and medical air	5.1.4.6.4	
Bldg 100 4th 4 West	Room 4B 149 left O2 leaks with device	Repair or replace outlet		
Bldg 100 4th FL Cath	ZVB located behind a door, when door opens	Relocate zone valve box		
Bldg 100 4th FL Cath	Med Air and Vac digital displays by flashing number	Replace obsolete area alarm panel		
Bldg 100 4th FL Bone Marrow	No gauges down stream of valves. O2 leaks while closing	Add zvb gauges down stream, replace oxygen zone valve	5.1.4.6.4	

Bldg 100 4th FL Bone Marrow	AREA ALARM PANEL OBSOLETE. MA DOES NOT ALARM WHEN PRESSURE IS LOW.	Replace obsolete area alarm panel		
Bldg 100 4th FL Bone Marrow	ROOM 7 MED AIR LEAKS WITHOUT DEVICE	Repair or replace outlet		
Bldg 100 5th FL 5 East	ZONE VALVES DO NOT HAVE GAUGES. CANNOT SEE PIPE SIZES. O2 LEAKS WHEN CLOSING	Replace zone valve box		
Bldg 100 5th FL 5 East	ROOM 5C-135 MED AIR LEAKS	Repair or Replace outlet		
Bldg 100 5th FL 5 West	ZONE VALVES DO NOT HAVE GAUGES, CANNOT SEE PIPE SIZES	Add gauges to zvb	5.1.4.6.4	
Bldg 100 5th FL 5 West	STATION 8 OXYGEN LEAKS	Repair or replace outlet		
Bldg 100 6th FL 6 East	ZONE VALVE BOX IS LOCATED BEHIND DOOR	Move zone valve box or remove door.	5.1.4.6.1(4)	
Bldg 100 6th FL 6 West	ZONE VALVES DO NOT HAVE GAUGES. O2 LEAKS WHEN OPERATED.	Add gauges to zone valves, Repair O2 outlet	5.1.4.6.4	
Bldg 100 7th FL 7 East	ZONE VALVES DO NOT HAVE GAUGES	Add gauges to zone valves	5.1.4.6.4	
Bldg 100 7th FL 7 East	O2 VALVE LEAKS WHEN OPERATED	Repair or replace valve		

LOCATION OF COMPRESSOR: **BUILDING 101 BASEMENT HALLWAY**			AREA SERVED: **FACILITY BUILDING 101**	
UNIT MANUFACTURER: **EMSE**			TECH SUPPORT PHONE: **1-800-962-5385**	
UNIT MODEL NUMBER: **3DOHS10PS240D**			SERIAL NUMBER: **3953B1607**	
COMPRESSOR MANUFACTURER: **EMSE**			HP: **10**	VOLTAGE: **460**
COMPRESSOR DATA	MODEL #	SERIAL #	2023 HOURS	2024 HOURS
UNIT 1	**SRL75CBO**	**QB003871**	**0**	**0**
UNIT 2	**SRL75CBO**	**QB003684**	**0**	**0**
UNIT 3				
UNIT 4				
THE MEDICAL AIR MAIN LINE PRESSURE IS: **52 PSI**			GAUGE RANGE IS: **0-160 PSI**	
THE LEAD COMPRESSOR IS ON AT **90 PSI** AND OFF AT **100 PSI**			LAG IS ON AT **85 PSI** AND OFF AT **90 PSI**	
DEW POINT READING **-92 °F @ 52 PSI**				
DP MANUFACTURER: **KAHN**		DP MODEL # **75-400P1582**		SERIAL # **BD45-065 0516**
CARBON MONOXIDE READING: **0PPM**				
CO MANUFACTURER: **GFG**		CO MODEL # **4021**		SERIAL # **160415638**
DRYER MANUFACTURER: **PURE GAS**		DRYER MODEL # **HR6.5-11**		SERIAL # **0716-92835**
MEDICAL AIR ANALYSIS: **ENMET MATRIX ANALYZER S/N 125-0256**				
DEW POINT: **°F**			OXYGEN PERCENTAGE: **%**	
HYDROCARBONS (METHANE): **PPM PASS**			CARBON MONOXIDE: **PPM PASS**	
HYDROCARBONS (CHLOROFORM): **PPM PASS**			CARBON DIOXIDE: **PPM**	
TEMPERATURE	AMBIENT	@ COMPRESSOR INLET	@ HEAT EXCHANGER	
UNIT 1	**65°F**	**111°F**	**195°F**	
UNIT 2	**65°F**	**73°F**	**70°F**	
UNIT 3				
UNIT 4				
TIME: CUT IN/90PSI	UNIT 1: **162SECONDS**	UNIT 2: **151 SECONDS**	UNIT 3:	UNIT 4:

Yes	No	N/A		
☒	☐	☐	1.	Is the room adequately vented to prevent accumulation of heat per manufacturers' specifications? [5.1.3.3.3.2 (1)]
☒	☐	☐	2.	Does each compressor have a check valve to prevent backflow through off-cycle units? [5.1.3.6.3.2 (2)]
☒	☐	☐	3.	Do the compressors have sufficient isolation valves on the patient side of the compressors? [5.1.3.6.3.2 (3)]
☒	☐	☐	4.	Do the compressors have sufficient anti-vibration mountings? [5.1.3.6.3.4 (E)]
☒	☐	☐	5.	Do the compressors have sufficient flex connections for intake and outlet piping? [5.1.3.6.3.4 (F)]
☒	☐	☐	6.	Is there a dry type intake filter? [5.1.3.6.3.2 (4)]

7. Medical Air Intake location: **Roof, above mechanical room**

Yes	No		
☒	☐	a)	Is the medical air intake source free of contaminants from odor, exhaust, fuel, vacuum discharge, or particulate? [5.1.3.6.3.12]
☒	☐	b)	Are outdoor intakes located above roof level and at least 10 ft. from any door, window, or other opening and 20' from other intake and exhaust and a minimum of 20 ft. above ground? [5.1.3.6.3.12 (C-D)]
☒	☐	c)	Is intake piping hard drawn copper? [5.1.3.6.3.12 (F)]
☒	☐	d)	Do the compressors have a means to isolate common intake piping when a compressor is removed for service? NOTE: If the answer is No, a tube cap can be used when compressors are removed from service. 4[5.1.3.6.3.12 (G-2)]

Yes	No	N/A	
☒	☐	☐	8. Is the system capable of automatically activating additional units to maintain pressure? [5.1.3.6.3.11 (A)]

Yes	No		
☒	☐	a)	Is there a Lag Compressor local alarm with audible and visual signals when the last compressor starts? [5.1.9.5.4 (1)]
☒	☐	b)	Does the signal latch, requiring manual reset? [5.1.3.6.3.13 (E)]
☒	☐	c)	Is it wired to master alarm? [5.1.9.2]

☒	☐	☐	9. Do controls provide for automatic alternation of units? [5.1.3.6.3.11 (B)]

Yes	No		
☒	☐	a)	Are motor controls equipped with disconnect switch, motor starting device and overload protection? [5.1.3.6.3.11 (C)]
☒	☐	b)	Are the compressors powered by the equipment branch of the essential electrical system? [5.1.3.6.3.11 (E)]

☒	☐	☐	10. Is there a Receiver?

Yes	No		
☒	☐	a)	Is the receiver equipped with corrosion resistant material, ASME label, relief valve, automatic drain, manual drain sight glass and three-valve bypass? [5.1.3.6.3.6 (1-4)]
☒	☐	b)	Is the receiver equipped with pressure gauge? [5.1.3.6.3.6 (3)]

☒	☐	☐	11. Are there proper filtration devices which are duplexed with isolating valves? [5.1.3.6.3.8]

Yes	No		
☒	☐	a)	Are filters rated for 98% efficiency at 1 micron? [5.1.3.6.3.8 (3)]
☒	☐	b)	Do filters have a visual indicator showing status of the filter element? [5.1.3.6.3.8 (4)]

Yes	No	N/A	
☒	☐	☐	12. Are there duplexed final line pressure regulators with isolating valves?
☒	☐	☐	13. Is there a 75psi relief valve located on the patient side of the regulator? [5.1.3.6.3.2 (5)]
☒	☐	☐	14. Is there a working dew point monitor installed in the Medical Air System? **Yes No** **Yes No** ☒ ☐ Is there a visual and audible local alarm? ☐ ☒ Is it wired to the master alarms?
☒	☐	☐	15. Is there a working carbon monoxide monitor installed in the Medical Air System? **Yes No** **Yes No** ☒ ☐ Is there a visual and audible local alarm? ☐ ☒ Is it wired to the master alarm?
☒	☐	☐	16. Do the dew point and CO monitors activate their respective master alarm signals with the loss of power?
☒	☐	☐	17. Is there a valve-controlled sample port? **Yes No** ☒ ☐ a) Is the sample port located between the monitors for dewpoint and CO and the source valve?
☒	☐	☐	18. Is the source valve installed in the immediate vicinity of the source equipment? **Yes No** ☒ ☐ Is it labeled? ☒ ☐ a) Is the source valve located inside the building served? If not, a main valve is required. ☒ ☐ b) Is the valve a three-piece ball valve with indicating handle and brazing extensions?
☒	☐	☐	19. Is there a high/low line pressure master alarm pressure switch? **Yes No** ☒ ☐ a) Is the switch located downstream of the source and main line valve (if the same)? ☒ ☐ b) Is the switch connected with a demand check fitting? ☒ ☐ c) Is the demand check fitting gas specific? ☒ ☐ d) Is there a gauge installed next to the switch?
☒	☐	☐	20. Is the source piping appropriately labeled for gas served with standard colors?
☒	☐	☐	21. Does all source piping consist of copper, brass, or stainless steel? (Compressors can have ferrous materials.)

Yes	No	N/A		
☒	☐	☐	22.	Are all copper joints brazed or Lokring?
☒	☐	☐	23.	Is there a preventative maintenance program established for the Medical Air equipment?
☒	☐	☐	24.	Are there high head temperature alarm sensors installed?

Yes	No		
☒	☐	a)	Is there a visual and audible local alarm?
☒	☐	b)	Is it wired to master alarm?

COMMENTS:

14. DEW POINT NOT WIRED TO MASTER ALARM.

15. CO MONITOR NOT WIRED TO MASTER ALARM.

LOCATION OF VACUUM PUMP: **BASEMENT OF BUILDING 101, LOADING DOCK HALLWAY**			AREA SERVED: **FACILITY BUILDING 101**	
UNIT MANUFACTURER: **EMSE**			TECH SUPPORT PHONE: **1 800-935-3673**	
UNIT MODEL NUMBER: **1DOB5HS120**			SERIAL NUMBER: **3953D1607**	
PUMP MANUFACTURER: **BECKER**			HP: **5**	VOLTAGE: **460**
VACUUM PUMP DATA	MODEL #	SERIAL #	2023 HOURS	2024 HOURS
UNIT 1	**KVT 3.100/.0-54**	**D3011264**	**11**	**23**
UNIT 2	**KVT 3.100/.0-54**	**D3011265**	**11**	**22**
UNIT 3				
UNIT 4				
THE VACUUM MAIN LINE PRESSURE IS**: 22"HG**			GAUGE RANGE IS: **0-30HG**	
THE LEAD PUMP IS ON AT **19 " HG** AND OFF AT **22" HG**			LAG IS ON AT **16 " HG** AND OFF AT **19" HG**	
TEMPERATURES	AMBIENT	OIL SITE GLASS	HEAT EXCHANGER/OIL FILTER	PUMP EXHAUST
UNIT 1	**67 °F**	**N/A**	**N/A**	**69 °F**
UNIT 2	**67°F**	**N/A**	**N/A**	**69°F**
UNIT 3				
UNIT 4				
TIME CUT IN/22"HG	**29 SECONDS**	**30 SECONDS**		

Yes	No	N/A		
☒	☐	☐	1.	Is the data on this sheet for the following source(s): LEAD & LAG?
☒	☐	☐	2.	Is the entire area Facility served by this source?
☒	☐	☐	3.	Is the room adequately vented to prevent accumulation of heat per manufacturers' recommendation?
☒	☐	☐	4.	Are there two or more pumps?
☒	☐	☐	5.	Does each pump have a check valve to prevent backflow through off-cycle units?
☒	☐	☐	6.	Does each pump have isolation valves on intake piping?
☒	☐	☐	7.	Does each pump have isolation valves (or equivalent) on exhaust piping? NOTE: If the answer is no, a tube cap can be used when pumps are removed from service.
☒	☐	☐	8.	Is there sufficient flexible couplings installed in the piping to and from the equipment?
☒	☐	☐	9.	Is there a receiver?

Yes	No		
☒	☐	a)	Does the receiver have an ASME data plate?
☒	☐	b)	Does the receiver have sufficient manual drain?
☒	☐	c)	Is the receiver valved to allow draining or servicing without interrupting the Vacuum system?

Yes	No	N/A	
☒	☐	☐	10. Is system capable of automatically activating additional units to maintain vacuum?
			Yes **No**
			☒ ☐ a) Is there a local audible / visual signal when lag pump is in operation?
			☒ ☐ b) Does the signal latch, requiring manual reset?
			☒ ☐ c) Is it wired to master alarm panels?
☒	☐	☐	11. Is there automatic pump alternation to provide for even wear?
☒	☐	☐	12. Are there dedicated disconnect switches, motor starting devices, and overload protection for each pump?
☒	☐	☐	13. Is power supplied by the equipment branch of the essential electrical system?
			14. Vacuum Exhaust:
			Yes **No**
			☒ ☐ a) Is the exhaust outdoors and at least 10 ft. from any door, window, air intake, or other opening in the building?
			☒ ☐ b) Is the exhaust discharge turned down and screened or otherwise protected from vermin, debris, or precipitation?
			☒ ☐ c) Is there a trapped drip leg with valved drain on the exhaust line to discharge condensate or oil?
			☒ ☐ d) Is the exhaust piping considered to be of proper size to minimize back pressure?
			Exhaust Location: Above mechanical room
☒	☐	☐	15. Is Vacuum distribution piping hard-drawn copper or stainless steel pipe?
☒	☐	☐	16. Is the source piping appropriately labeled for Vacuum?
			Yes **No**
			☒ ☐ Is the label background color white?
☒	☐	☐	17. Is the source valve in the immediate vicinity of the source equipment?
			Yes **No**
			☒ ☐ Is the source valve labeled?
☒	☐	☐	18. Is there a line vacuum low switch wired to the master alarm panels?
			Yes **No**
			☒ ☐ a) Is the switch located on the patient side of the main valve, or source valve if there is no main valve?
			☒ ☐ b) Is the switch connected with a demand check fitting?
			☒ ☐ c) Is the demand check fitting gas specific?
			☒ ☐ d) Is there a gauge installed next to the switch after source/mainline shutoff valve?
			Location of switch: **Just downstream of Main Valve**

COMMENTS:

Location of bulk pad: **Facilities loading dock**	Area Served: **Facility**
Bulk supplier is: **Praxair**	Emergency phone number: **800-772-9247**
Main line pressure: **50 psi**	

*** Leased Bulk Equipment is inspected annually by the equipment owners. does not make any adjustments to equipment or activate/test any master alarms initiated from the bulk pad.**

Yes	No	N/A			
☒	☐	☐	1. Is there a high/low line pressure master alarm pressure switch? [5.1.9.2.4 (7)]		
			Yes	**No**	
			☒	☐	a) Is it wired to two master alarm panels? [5.1.9.2.1]
			☐	☒	b) Is the switch located on the patient side of the main valve, or source valve if there is no main valve? [5.1.8.2.3]
			☒	☐	c) Is the switch connected with a demand check fitting? [5.1.8.2.3]
			☒	☐	d) Is the demand check fitting gas specific? [5.1.8.2.3]
			☒	☐	e) Is there a gauge installed next to the switch after the source/mainline shutoff valve? [5.1.8.2.2 (1)]
☒	☐	☐	2. Is an emergency oxygen supply connection (EOSC) present? [5.1.3.5.13.1]		
			Yes	**No**	
			☐	☒	a) Is it located on the exterior of the building where it is accessible to emergency supply vehicles in all weather conditions? [5.1.3.5.13.(1)]
			☐	☒	b) Is it physically protected to prevent tampering and unauthorized access? [5.1.3.5.13.2 (1)]
			☒	☐	c) Does the check valve function properly?
☒	☐	☐	3. Is the source piping appropriately labeled for gas served with standard designation colors? [5.1.11.1.1 (1-3)]		
☒	☐	☐	4. Is the source valve installed in the immediate vicinity of the source equipment? [5.1.4.4]		
			Yes	**No**	
			☒	☐	a) Is the valve a three-piece ball valve with indicating handle and brazing extensions? [5.1.4.3 (1-5)]

Yes	No	N/A	
☒	☐	☐	5. Does a mainline shutoff valve exist where the main first enters the building if oxygen supply is remote? [5.1.4.5]

Yes	No		
☒	☐	a)	Is it labeled? [5.1.4.5.3]
☒	☐	b)	Is the valve a three-piece ball valve with indicating handle and brazing extensions? [5.1.4.3 (1-5)]

☒	☐	☐	6. Is the source equipment and EOSC free of leaks?

COMMENTS:

1B. MAIN LINE HI/LO PRESSURE SWITCH IS UPSTREAM OF THE MAIN VALVE.

2A. EOSC IS LOCATED ON SAME PAD AS BULK TANK.

2B. ADD LOCK TO SECURE EOSC.

Seattle VA Medical Center

Medical Air Compressor

SOURCE EVALUATION

LOCATION OF COMPRESSOR: **ENERGY PLANT MECHANICAL ROOM**			AREA SERVED: **FACILITY EXCEPT BLDG 101**	
UNIT MANUFACTURER: **KOBELCO**			TECH SUPPORT PHONE: **713-655-8450**	
UNIT MODEL NUMBER: **N/A**			SERIAL NUMBER:	
COMPRESSOR MANUFACTURER: **KOBELCO**			HP: **50/40**	VOLTAGE: **460**
COMPRESSOR DATA	MODEL #	SERIAL #	2021 HOURS	2023 HOURS
UNIT 1	**KNWAO-B/L**	**12H6114153**		**51,839**
UNIT 2	**KNWAO0-DL**	**22K6121697**		**7,392**
UNIT 3				
UNIT 4				
THE MEDICAL AIR MAIN LINE PRESSURE IS: **50 PSI**			GAUGE RANGE IS: **0-100**	
THE LEAD COMPRESSOR IS ON AT **90 PSI** AND OFF AT **120 PSI**			LAG IS ON AT **80 PSI** AND OFF AT **110 PSI**	
DEW POINT READING **-87°F @ 50 PSI**				
DP MANUFACTURER: **ENMET**		DP MODEL # **MEDAIR 2200**		SERIAL # **100-1109**
CARBON MONOXIDE READING: **0 PPM**				
CO MANUFACTURER: **ENMET**		CO MODEL # **MEDAIR 2200**		SERIAL # **100-1109**
DRYER MANUFACTURER: **BEACON MEDAES**		DRYER MODEL # **4107007851**		SERIAL # **HOP550277**
MEDICAL AIR ANALYSIS: **ENMET MATRIX ANALYZER S/N 125-0256**				
DEW POINT: **-88°F**			OXYGEN PERCENTAGE: **21.2%**	
HYDROCARBONS (METHANE): **1 PPM PASS**			CARBON MONOXIDE: **1 PPM PASS**	
HYDROCARBONS (CHLOROFORM): **0.0 PPM PASS**			CARBON DIOXIDE: 3**0 PPM**	
TEMPERATURE	AMBIENT	@ COMPRESSOR INLET	@ HEAT EXCHANGER	
UNIT 1	**74°F**	**72°F**	**80°F**	
UNIT 2	**74°F**	**73°F**	**83°F**	
UNIT 3				
UNIT 4				
TIME: CUT IN/90PSI	UNIT 1: **VS**	UNIT 2:**VS**	UNIT 3:	UNIT 4:

Yes	No	N/A		
☒	☐	☐	1.	Is the room adequately vented to prevent accumulation of heat per manufacturers' specifications? [5.1.3.3.3.2 (1)]
☒	☐	☐	2.	Does each compressor have a check valve to prevent backflow through off-cycle units? [5.1.3.6.3.2 (2)]
☒	☐	☐	3.	Do the compressors have sufficient isolation valves on the patient side of the compressors? [5.1.3.6.3.2 (3)]
☒	☐	☐	4.	Do the compressors have sufficient anti-vibration mountings? [5.1.3.6.3.4 (E)]
☒	☐	☐	5.	Do the compressors have sufficient flex connections for intake and outlet piping? [5.1.3.6.3.4 (F)]
☒	☐	☐	6.	Is there a dry type intake filter? [5.1.3.6.3.2 (4)]

7. Medical Air Intake location: **Roof, above mechanical room**

Yes	No		
☒	☐	a)	Is the medical air intake source free of contaminants from odor, exhaust, fuel, vacuum discharge, or particulate? [5.1.3.6.3.12]
☒	☐	b)	Are outdoor intakes located above roof level and at least 10 ft. from any door, window, or other opening and 20' from other intake and exhaust and a minimum of 20 ft. above ground? [5.1.3.6.3.12 (C-D)]
☐	☒	c)	Is intake piping hard drawn copper? [5.1.3.6.3.12 (F)]
☒	☐	d)	Do the compressors have a means to isolate common intake piping when a compressor is removed for service? NOTE: If the answer is No, a tube cap can be used when compressors are removed from service. 4[5.1.3.6.3.12 (G-2)]

Yes	No	N/A	
☒	☐	☐	8. Is the system capable of automatically activating additional units to maintain pressure? [5.1.3.6.3.11 (A)]

Yes	No		
☒	☐	a)	Is there a Lag Compressor local alarm with audible and visual signals when the last compressor starts? [5.1.9.5.4 (1)]
☒	☐	b)	Does the signal latch, requiring manual reset? [5.1.3.6.3.13 (E)]
☒	☐	c)	Is it wired to master alarm? [5.1.9.2]

☒	☐	☐	9. Do controls provide for automatic alternation of units? [5.1.3.6.3.11 (B)]

Yes	No		
☒	☐	a)	Are motor controls equipped with disconnect switch, motor starting device and overload protection? [5.1.3.6.3.11 (C)]
☒	☐	b)	Are the compressors powered by the equipment branch of the essential electrical system? [5.1.3.6.3.11 (E)]

☒	☐	☐	10. Is there a Receiver?

Yes	No		
☒	☐	a)	Is the receiver equipped with corrosion resistant material, ASME label, relief valve, automatic drain, manual drain sight glass and three-valve bypass? [5.1.3.6.3.6 (1-4)]
☒	☐	b)	Is the receiver equipped with pressure gauge? [5.1.3.6.3.6 (3)]

☒	☐	☐	11. Are there proper filtration devices which are duplexed with isolating valves? [5.1.3.6.3.8]

Yes	No		
☒	☐	a)	Are filters rated for 98% efficiency at 1 micron? [5.1.3.6.3.8 (3)]
☒	☐	b)	Do filters have a visual indicator showing status of the filter element? [5.1.3.6.3.8 (4)]

Yes	No	N/A	
☒	☐	☐	12. Are there duplexed final line pressure regulators with isolating valves?
☒	☐	☐	13. Is there a 75psi relief valve located on the patient side of the regulator? [5.1.3.6.3.2 (5)]
☒	☐	☐	14. Is there a working dew point monitor installed in the Medical Air System? **Yes No** **Yes No** ☒ ☐ Is there a visual and audible local alarm? ☐ ☒ Is it wired to the master alarms?
☒	☐	☐	15. Is there a working carbon monoxide monitor installed in the Medical Air System? **Yes No** **Yes No** ☒ ☐ Is there a visual and audible local alarm? ☐ ☒ Is it wired to the master alarm?
☐	☒	☐	16. Do the dew point and CO monitors activate their respective master alarm signals with the loss of power?
☒	☐	☐	17. Is there a valve-controlled sample port? **Yes No** ☒ ☐ a) Is the sample port located between the monitors for dewpoint and CO and the source valve?
☒	☐	☐	18. Is the source valve installed in the immediate vicinity of the source equipment? **Yes No** ☒ ☐ Is it labeled? ☒ ☐ a) Is the source valve located inside the building served? If not, a main valve is required. ☒ ☐ b) Is the valve a three-piece ball valve with indicating handle and brazing extensions?
☒	☐	☐	19. Is there a high/low line pressure master alarm pressure switch? **Yes No** ☒ ☐ a) Is the switch located downstream of the source and main line valve (if the same)? ☒ ☐ b) Is the switch connected with a demand check fitting? ☒ ☐ c) Is the demand check fitting gas specific? ☒ ☐ d) Is there a gauge installed next to the switch?
☒	☐	☐	20. Is the source piping appropriately labeled for gas served with standard colors?
☒	☐	☐	21. Does all source piping consist of copper, brass, or stainless steel? (Compressors can have ferrous materials.)

Yes	No	N/A		
☒	☐	☐	22.	Are all copper joints brazed or Lokring?
☒	☐	☐	23.	Is there a preventative maintenance program established for Medical Air equipment?
☒	☐	☐	24.	Are there high head temperature alarm sensors installed?

Yes	No		
☒	☐	a)	Is there a visual and audible local alarm?
☐	☒	b)	Is it wired to master alarm? (Not required)

COMMENTS:

7c. Medical Air Intake is not hard drawn copper (PvC)
Intake filter needs replaced. 14-1/2" round x 14-1/2" tal
14. Dew point high alarm is not monitored at the Master Alarm Panels
15. CO high alarm is not monitored at the Master Alarm Panels

Seattle VA Medical Center

Surgical Vacuum

SOURCE EVALUATION DATA (RENTAL UNIT)

LOCATION OF VACUUM PUMP: **ENERGY PLANT MECHANICAL ROOM**			AREA SERVED: **FACILITY**	
UNIT MANUFACTURER: **ROGERS MACHINE**			TECH SUPPORT PHONE: **503-639-6151**	
UNIT MODEL NUMBER: **KRVP-20-VAC**			SERIAL NUMBER: **21B6525682**	
PUMP MANUFACTURER: **KOBELCO**			HP: **20**	VOLTAGE: **460**
VACUUM PUMP DATA	MODEL #	SERIAL #	2023 HOURS	2024 HOURS
UNIT 1	**KRVP-20-VAC**	**21B6525682**		**26,375**
UNIT 2				
UNIT 3				
UNIT 4				
THE VACUUM MAIN LINE PRESSURE IS**: 22"HG**			GAUGE RANGE IS: **0-30HG**	
THE LEAD PUMP IS ON AT **18" HG** AND OFF AT **24" HG**			LAG IS ON AT **N/A** AND OFF AT	
TEMPERATURES	AMBIENT	OIL SITE GLASS	HEAT EXCHANGER/OIL FILTER	PUMP EXHAUST
UNIT 1	**72°F**	**N/A**	**N/A°F**	**98°F**
UNIT 2				
UNIT 3				
UNIT 4				
TIME CUT IN/22"HG	PUMP 1 **N/A**			

Yes	No	N/A		
☐	☒	☐	1.	Is the data on this sheet for the following source(s): LEAD & LAG?
☒	☐	☐	2.	Is the entire area Facility served by this source?
☒	☐	☐	3.	Is the room adequately vented to prevent accumulation of heat per manufacturers' recommendation?
☐	☒	☐	4.	Are there two or more pumps?
☒	☐	☐	5.	Does each pump have a check valve to prevent backflow through off-cycle units?
☒	☐	☐	6.	Does each pump have isolation valves on intake piping?
☒	☐	☐	7.	Does each pump have isolation valves (or equivalent) on exhaust piping? NOTE: If the answer is no, a tube cap can be used when pumps are removed from service.
☒	☐	☐	8.	Is there sufficient flexible couplings installed in the piping to and from the equipment?
☒	☐	☐	9.	Is there a receiver?

Yes	No		
☒	☐	a)	Does the receiver have an ASME data plate?
☒	☐	b)	Does the receiver have sufficient manual drain?
☒	☐	c)	Is the receiver valved to allow draining or servicing without interrupting the Vacuum system?

Yes	No	N/A			
☐	☒	☐	10. Is system capable of automatically activating additional units to maintain vacuum?		
			Yes	**No**	
			☐	☒	a) Is there a local audible / visual signal when lag pump is in operation?
			☐	☒	b) Does the signal latch, requiring manual reset?
			☐	☒	c) Is it wired to master alarm panels?
☐	☒	☐	11. Is there automatic pump alternation to provide for even wear?		
☒	☐	☐	12. Are there dedicated disconnect switches, motor starting devices, and overload protection for each pump?		
☒	☐	☐	13. Is power supplied by the equipment branch of the essential electrical system?		
			14. Vacuum Exhaust:		
			Yes	**No**	
			☒	☐	a) Is the exhaust outdoors and at least 10 ft. from any door, window, air intake, or other opening in the building?
			☒	☐	b) Is the exhaust discharge turned down and screened or otherwise protected from vermin, debris, or precipitation?
			☒	☐	c) Is there a trapped drip leg with valved drain on the exhaust line to discharge condensate or oil?
			☒	☐	d) Is the exhaust piping considered to be of proper size to minimize back pressure?
			Exhaust Location: **Above mechanical room**		
☒	☐	☐	15. Is Vacuum distribution piping hard-drawn copper or stainless steel pipe?		
☒	☐	☐	16. Is the source piping appropriately labeled for Vacuum?		
			Yes	**No**	
			☐	☒	Is the label background color white?
☒	☐	☐	17. Is the source valve in the immediate vicinity of the source equipment?		
			Yes	**No**	
			☒	☐	Is the source valve labeled?
☒	☐	☐	18. Is there a line vacuum low switch wired to the master alarm panels?		
			Yes	**No**	
			☒	☐	a) Is the switch located on the patient side of the main valve, or source valve if there is no main valve?
			☒	☐	b) Is the switch connected with a demand check fitting?
			☒	☐	c) Is the demand check fitting gas specific?
			☒	☐	d) Is there a gauge installed next to the switch after source/mainline shutoff valve?
			Location of switch: **Back wall between pumps and compressors**		

COMMENTS:

16. LABELING IS INCORRECT COLOR CODING

18A. SWITCH PIPED TO WRONG SIDE OF SOURCE VALVE.

COPPER PIPING IS PAINTED

MANIFOLD ROOM
SOURCE LOCATION EVALUATION

Location of manifold room: **West end near water chillers**

Manifolds located in room:

- ☐ Oxygen
- ☐ Medical Air
- ☒ Nitrous Oxide
- ☒ Nitrogen
- ☐ Carbon Dioxide
- ☐ Instrument Air

Yes	No	N/A		
☒	☐	☐	1.	Is the location used ONLY for storage of non-flammable gases? [5.1.3.2.3]
☒	☐	☐	2.	Is the location kept free of flammable materials, flammable gas cylinders, and flammable liquid containers? [5.1.3.2.4]
☒	☐	☐	3.	Is the location separate from mechanical equipment (i.e., air compressors, vacuum pumps, diesel fuel pumps)? [5.1.3.3.1.4]
☒	☐	☐	4.	Is location access restricted to authorized personnel only and adequately secured against tampering? [5.1.3.3.2 (2)]
☒	☐	☐	5.	Is the location free of open electrical contacts or transformers? [5.1.3.3.1.6 (4)]
☒	☐	☐	6.	Are electrical wall fixtures at least 5 ft. above floor or protected? [5.1.3.3.2 (10)]
☒	☐	☐	7.	Is the location protected from sources of heat exceeding 130°F? [5.1.3.3.1.7]
☒	☐	☐	8.	Are cylinders protected against accumulation of ice and snow or continuous exposure to direct rays of the sun? [11.6.5.4 (2-3)]
☐	☐	☒	9.	Are indoor locations constructed of materials with a minimum of 1-hour fire resistance rating? [5.1.3.3.2 (4)]
☐	☐	☒	10.	Does the manifold room employ natural ventilation? [5.1.3.5.6.1 (4)]

Yes	No		
☐	☐	a)	Are there a minimum of two openings on an exterior wall?
☐	☐	b)	Are the openings located a foot from the floor and a foot from the ceiling?

Yes	No	N/A	
☐	☐	☒	11. Is the location vented outside by means of a dedicated mechanical ventilation system for indoor medical gas systems that don't meet natural ventilation requirements? [9.3.7.5.3]
			Yes **No**
			☐ ☐ a) Does the vent draw air from within one foot of the floor? [9.3.7.5.3.3]
			☐ ☐ b) Is the exhaust fan connected to essential power? [9.3.7.5.3.4]
☒	☐	☐	12. Is the appropriate door sign based on medical gasses permanently posted on the door? [5.1.3.1.8 or 5.1.3.1.9]
☒	☐	☐	13. Are the cylinders secured with racks, chains, or other fastenings per OSHA standards? [5.1.3.3.2 (7)]
☒	☐	☐	14. Are the manifolds, valves, and piping protected against physical damage from movement of cylinders and equipment? [5.1.3.3.2 (1)]
☐	☒	☐	15. Do relief valves vent to the outside, except for medical air systems less than 3000 cu ft? [5.1.3.5.6.1 (4)]
			Yes **No**
			☐ ☐ a) Is the relief valve discharge turned down and screened to prevent entry of rain, snow, or vermin? [5.1.3.5.6.1 (8)]
			☒ ☐ b) Is the relief valve vent piping ASTM B-819 medical gas tube? [5.1.3.5.6.2]
			☒ ☐ c) Are joints in relief valve vent piping brazed or Lokring? [5.1.3.5.6.2]
			☒ ☐ d) Is relief valve vent piping labeled to distinguish from medical gas pipelines? [5.1.3.5.6.4]

COMMENTS

15. NITROGEN DOES NOT HAVE RELIEF VENT PIPING

15A. VENT PIPING DISCHARGE NOT FOUND

Seattle VA Medical Center

Nitrous Oxide Manifold
SOURCE EVALUATION DATA

Location of manifold: **Bottle Room**	Area Served: **Facility**
Manifold Manufacturer: **Amico**	
Model Number: **M3A4-DL-HHH-U-N2O**	Serial Number: **20200403-0162**
# Of cylinders Left Bank: **6**	# Of cylinders Right Bank: **6**
Main line pressure: **52 psi**	Gauge range: **0-100psi**
Left bank pressure/status: **650 psi / In Use**	Gauge range: **0-4,000psi**
Right bank pressure/status: **700 psi / Ready**	Gauge range: **0-4,000psi**

Yes	No	N/A		
☒	☐	☐	1.	Are final line regulators duplexed with isolation valves upstream of each regulator and shutoff valves or check valves downstream? [5.1.3.5.5.1 (1-2)]
			Yes	**No**
			☒	☐ a) Is the manifold supplied with a heater or protected from temperatures lower than 20°F? [5.1.3.3.18]
			☒	☐ b) Is the manifold supplied by a recognized manufacturer? [5.1.3.5.1]
☒	☐	☐	2.	Are gauges downstream of each regulator present? [5.1.3.5.5.1 (3)]
☒	☐	☐	3.	Is a relief valve set at 50% above normal line pressure, located between each regulator and the source valve? [5.1.3.5.6.3 (1-2)]
			Yes	**No**
			☐	☐ a) Do relief valves vent to the outside, except for medical air systems less than 3000 cu ft? [5.1.3.5.6.1 (4)]
			☐	☐ b) Is the relief valve discharge turned down and screened to prevent entry of rain, snow, or vermin? [5.1.3.5.6.1 (8)]
			☒	☐ c) Is the relief valve vent piping ASTM B-819 medical gas tube? [5.1.3.5.6.2]
			☒	☐ d) Are joints in relief valve vent piping brazed or Lokring? [5.1.3.5.6.2]
			☒	☐ e) Is relief valve vent piping labeled to distinguish from medical gas pipelines? [5.1.3.5.6.4]
☒	☐	☐	4.	Does each cylinder bank contain at least an average days' (24 hours) supply with a minimum of 2 cylinders? [5.1.3.5.10.4 (1)]
☒	☐	☐	5.	Is manifold changeover from primary to secondary automatic? [5.1.3.5.10.5]

Yes	No	N/A		
☒	☐	☐	6.	Is there an actuating switch present to indicate when changeover occurs from Primary to Secondary? [5.1.3.5.10.6]
			Yes	**No**
			☒	☐ a) Is there a visual indicating local signal present? [5.1.3.5.10.6]
			☒	☐ b) Is it wired to the master alarm? [5.1.3.5.10.6]
☒	☐	☐	7.	Do the header bars contain required pigtails with check valves? [5.1.3.5.9 (7)]
☒	☐	☐	8.	Is manifold supplied/built by a recognized medical equipment supplier/manufacturer? [5.1.3.5.1]
☒	☐	☐	9.	Are operating and maintenance instructions available?
☒	☐	☐	10.	Does a periodic inspection and maintenance program exist for source equipment and alarms? [5.1.14.2.2.2]
☒	☐	☐	11.	Is there a high/low line pressure switch on the main line? [5.1.9.2.4 (7)]
			Yes	**No**
			☒	☐ a) Is it wired to the master alarm? [5.1.9.2.4 (7)]
			☒	☐ b) Is the switch located on the patient side of the main valve, or source valve if there is no main valve? [5.1.9.2.5]
			☒	☐ c) Is the switch connected with a gas specific demand check fitting? [5.1.8.2.3]
			☒	☐ d) Is there a gauge installed next to the switch after the source/mainline shutoff valve? [5.1.8.2.2 (1)] Location of switch: **Just inside energy plant**
☒	☐	☐	12.	Is the source valve installed in the immediate vicinity of the source equipment? [5.1.4.4]
			Yes	**No**
			☒	☐ a) Is it labeled? [5.1.11.2]
☒	☐	☐	13.	Is the manifold equipment free of leakage?

COMMENTS:

3A VENT LINE DISCHARGES IN AN UNKNOWN LOCATION

3B CANNOT DETERMINE IF VENT LINE IS SCREENED

11D MAIN LINE PRESSURE SWITCH IS LOCATED UPSTREAM OF MAIN VALVE

Seattle VA Medical Center

Nitrogen Manifold
SOURCE EVALUATION DATA

Location of manifold: **Bottle room**	Area Served: **Facility**
Manifold Manufacturer: **Western Innovator**	
Model Number: **FHM2HP-7-6**	Serial Number**: 36498**
# Of cylinders Left Bank: **6**	# Of cylinders Right Bank: **6**
Main line pressure: **181 psi**	Gauge range: **Digital**
Left bank pressure/status: **687 psi/In service**	Gauge range: **Digital**
Right bank pressure/status: **1959 psi/Ready**	Gauge range: **Digital**

Yes	No	N/A		
☒	☐	☐	1.	Are final line regulators duplexed with isolation valves upstream of each regulator and shutoff valves or check valves downstream? [5.1.3.5.5.1 (1-2)]
			Yes	**No**
			☒	☐ a) Is the manifold supplied by a recognized manufacturer? [5.1.3.5.1]
☒	☐	☐	2.	Are gauges downstream of each regulator present? [5.1.3.5.5.1(3)]
☒	☐	☐	3.	Is a relief valve set at 50% above normal line pressure, located between each regulator and the source valve? [5.1.3.5.6.3 (1-2)]
			Yes	**No**
			☐	☒ a) Do relief valves vent to the outside, except for medical air systems less than 3000 cu ft? [5.1.3.5.6.1 (4)]
			☐	☐ b) Is the relief valve discharge turned down and screened to prevent entry of rain, snow, or vermin? [5.1.3.5.6.1 (8)]
			☐	☐ c) Is the relief valve vent piping ASTM B-819 medical gas tube? [5.1.3.5.6.2]
			☐	☐ d) Are joints in relief valve vent piping brazed or Lokring? [5.1.3.5.6.2]
			☐	☐ e) Is relief valve vent piping labeled to distinguish from medical gas pipelines? [5.1.3.5.6.4]
☒	☐	☐	4.	Does each cylinder bank contain at least an average days' (24 hours) supply with a minimum of 2 cylinders? [5.1.3.5.10.4 (1)]
☒	☐	☐	5.	Is manifold changeover from primary to secondary automatic? [5.1.3.5.10.5]

Yes	No	N/A				
☒	☐	☐	6.	Is there an actuating switch present to indicate when changeover occurs from Primary to Secondary? [5.1.3.5.10.6]		
			Yes	**No**		
			☒	☐	a)	Is there a visual indicating local signal present? [5.1.3.5.10.6]
			☒	☐	b)	Is it wired to the master alarm? [5.1.3.5.10.6]
☒	☐	☐	7.	Do the header bars contain the required pigtails with check valves? [5.1.3.5.9 (7)]		
☒	☐	☐	8.	Is manifold supplied/built by a recognized medical equipment supplier/manufacturer? [5.1.3.5.1]		
☒	☐	☐	9.	Are operating and maintenance instructions available?		
☒	☐	☐	10.	Does a periodic inspection and maintenance program exist for source equipment and alarms? [5.1.14.2.2.2]		
☒	☐	☐	11.	Is there a high/low line pressure switch on the main line? [5.1.9.2.4 (7)]		
			Yes	**No**		
			☒	☐	a)	Is it wired to the master alarm? [5.1.9.2.4 (7)]
			☐	☒	b)	Is the switch located on the patient side of the main valve, or source valve if there is no main valve? [5.1.9.2.5]
			☒	☐	c)	Is the switch connected with a gas specific demand check fitting? [5.1.8.2.3]
			☒	☐	d)	Is there a gauge installed next to the switch after the source/mainline shutoff valve? [5.1.8.2.2 (1)] Location of switch: **Just inside the energy plant**
☒	☐	☐	12.	Is the source valve installed in the immediate vicinity of the source equipment? [5.1.4.4]		
			Yes	**No**		
			☒	☐	a)	Is it labeled? [5.1.11.2]
☒	☐	☐	13.	Is the manifold equipment free of leakage?		

COMMENTS:

3A MANIFOLD VENTS INTO BOTTLE ROOM. THERE IS NO VENT PIPING.

11D MAIN LINE PRESSURE IS LOCATED UPSTREAM OF MAIN VALVE

MASTER ALARM PANEL #1	
LOCATION: BOILER CONTROL ROOM BLDG 100	POWER LIGHT FUNCTIONAL: YES
MANUFACTURER: TRI-TECH	
MODEL: MED TOUCH	

ALARM TESTED	SENSOR LOCATION	SET POINTS	VISUAL INDICATOR	AUDIBLE INDICATOR	LABEL	COMMENTS
OXYGEN						
PRIMARY LIQUID LEVEL LOW						TESTED BY OWNER
SECONDARY IN USE						TESTED BY OWNER
SECONDARY LIQUID LOW						TESTED BY OWNER
SECONDARY LOW PRESSURE						TESTED BY OWNER
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
MEDICAL AIR						
DEW POINT HIGH	PASS	PASS	FAIL	FAIL	FAIL	NOT MONITORED
CARBON MONOXIDE HIGH	PASS	PASS	FAIL	FAIL	FAIL	NOT MONITORED
LAG PUMP IN USE	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
VACUUM						
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
LAG PUMP IN USE	PASS	PASS	PASS	PASS	PASS	
NITROUS OXIDE						
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
RESERVE IN USE	PASS	PASS	PASS	PASS	PASS	
NITROGEN						
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
RESERVE IN USE	PASS	PASS	PASS	PASS	PASS	
CARBON DIOXIDE						
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
RESERVE IN USE	PASS	PASS	PASS	PASS	PASS	

COMMENTS: PRESSURE SET POINTS TESTED AT 20% ABOVE AND 20% BELOW DESIGNATED OPERATING PRESSURES

MASTER ALARM PANEL #2	
LOCATION: PBX OFFICE BLDG 100	POWER LIGHT FUNCTIONAL: YES
MANUFACTURER: TRI-TECH	
MODEL: MED TOUCH	

ALARM TESTED	SENSOR LOCATION	SET POINTS	VISUAL INDICATOR	AUDIBLE INDICATOR	LABEL	COMMENTS
OXYGEN						
PRIMARY LIQUID LEVEL LOW						TESTED BY OWNER
SECONDARY IN USE						TESTED BY OWNER
SECONDARY LIQUID LOW						TESTED BY OWNER
SECONDARY LOW PRESSURE						TESTED BY OWNER
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
MEDICAL AIR						
DEW POINT HIGH	PASS	PASS	FAIL	FAIL	FAIL	NOT MONITORED
CARBON MONOXIDE HIGH	PASS	PASS	FAIL	FAIL	FAIL	NOT MONITORED
LAG PUMP IN USE	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
VACUUM						
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
LAG PUMP IN USE	PASS	PASS	PASS	PASS	PASS	
NITROUS OXIDE						
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
RESERVE IN USE	PASS	PASS	PASS	PASS	PASS	
NITROGEN						
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
RESERVE IN USE	PASS	PASS	PASS	PASS	PASS	
CARBON DIOXIDE						
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
RESERVE IN USE	PASS	PASS	PASS	PASS	PASS	

COMMENTS: PRESSURE SET POINTS TESTED AT 20% ABOVE AND 20% BELOW DESIGNATED OPERATING PRESSURES

MASTER ALARM PANEL #3	
LOCATION: PBX OFFICE BLDG 101	**POWER LIGHT FUNCTIONAL: YES**
MANUFACTURER: TRI-TECH	
MODEL: MED TOUCH	

ALARM TESTED	SENSOR LOCATION	SET POINTS	VISUAL INDICATOR	AUDIBLE INDICATOR	LABEL	COMMENTS
MEDICAL AIR						
DEW POINT HIGH	PASS	PASS	FAIL	FAIL	FAIL	NOT MONITORED
CARBON MONOXIDE HIGH	PASS	PASS	FAIL	FAIL	FAIL	NOT MONITORED
LAG PUMP IN USE	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
VACUUM						
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
LAG PUMP IN USE	PASS	PASS	PASS	PASS	PASS	

COMMENTS: PRESSURE SET POINTS TESTED AT 20% ABOVE AND 20% BELOW DESIGNATED OPERATING PRESSURES

MED AIR DEW POINT HIGH AND CO HIGH ARE NOT MONITORED

MASTER ALARM PANEL #4						
LOCATION: PBX OFFICE BLDG 101				**POWER LIGHT FUNCTIONAL: YES**		
MANUFACTURER: TRI-TECH						
MODEL: MED TOUCH						
ALARM TESTED	SENSOR LOCATION	SET POINTS	VISUAL INDICATOR	AUDIBLE INDICATOR	LABEL	COMMENTS
MEDICAL AIR						
DEW POINT HIGH	PASS	PASS	FAIL	FAIL	FAIL	NOT MONITORED
CARBON MONOXIDE HIGH	PASS	PASS	FAIL	FAIL	FAIL	NOT MONITORED
LAG PUMP IN USE	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
VACUUM						
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
LAG PUMP IN USE	PASS	PASS	PASS	PASS	PASS	
MASTER ALARM PANEL #5						
LOCATION: MECHANICAL ROOM BLDG 101				**POWER LIGHT FUNCTIONAL: YES**		
MANUFACTURER: TRI-TECH						
MODEL: MED TOUCH						
ALARM TESTED	SENSOR LOCATION	SET POINTS	VISUAL INDICATOR	AUDIBLE INDICATOR	LABEL	COMMENTS
MEDICAL AIR						
DEW POINT HIGH	PASS	PASS	FAIL	FAIL	FAIL	NOT MONITORED
CARBON MONOXIDE HIGH	PASS	PASS	FAIL	FAIL	FAIL	NOT MONITORED
LAG PUMP IN USE	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE HIGH	PASS	PASS	PASS	PASS	PASS	
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
VACUUM						
LINE PRESSURE LOW	PASS	PASS	PASS	PASS	PASS	
LAG PUMP IN USE	PASS	PASS	PASS	PASS	PASS	

VALVES						
ALARM TESTED	AREA OF CONTROL	LOCATION	SECURITY	LABELING	ACCESS	LEAK TEST
OXYGEN						
SOURCE VALVE	Facility	Bulk Pad	Pass	Pass	Pass	Pass
MAIN VALVE	Facility	Boiler Plant	Pass	Pass	Pass	Pass
EOSC	Facility	Outside Energy Plant	Pass	Pass	Pass	Pass
MEDICAL AIR						
SOURCE VALVE	Facility	Boiler Plant	Pass	Pass	Pass	Pass
VACUUM						
SOURCE VALVE	Facility	Boiler Plant	Pass	Pass	Pass	Pass
NITROUS OXIDE						
SOURCE VALVE	Facility	Manifold Cage	Pass	Pass	Pass	Pass
NITROGEN						
SOURCE VALVE	Facility	Manifold Cage	Pass	Pass	Pass	Pass

LOCATION OF VALVE IS VERIFIED TO BE CORRECT FOR THE DESIGNATED AREA OF CONTROL. SECURITY OF VALVES ARE VERIFIED THE VALVE ARE IN AND SECURE AREA AND ARE LOCKED OR LATCHED IN THEIR OPERATING POSITION. LABELING IS VERIFIED TO BE ACCURATE TO THE DESIGNATED AREA OF CONTROL. ACCESS OF VALVES IS VERIFIED THAT VALVES CAN BE SAFELY REACHED FOR MAINTENANCE OPERATIONS.

Additional comments:

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **4th**			Unit: **4 MICU**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	55 psi	52 psi	20"Hg					Location: **Nurses station near room 13**	
Pipe size	1-1/2"	1"	3"					Rooms Served: **108, 109, 111, 114, 116, 117, 119-121 124, 127 129-135**	
Labeling	Pass	Pass	Pass					Notes:	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	54 psi	49 psi	22"Hg					Location: **Next to zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Pass						
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	49 psi	20"Hg					Outlet Model : **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 6.05 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 108 (1) Boom	2	2	4					Pass	
Room 108 (1) Wall	2	2	4					Pass	
Room 109 (2) Boom	2	2	4					Pass	
Room 109 (2) Wall	2	2	4					Pass	
Room 111 (3) Boom	2	2	4					Pass	
Room 111 (3) Wall	2	2	4					Pass	
Room 114 (4) Boom	2	2	4					Pass	
Room 114 (4) Wall	2	2	4					Pass	
Room 116 (5) Boom	2	2	4					Pass	
Room 116 (5) Wall	2	2	4					Pass	
Room 117 (6) Boom	2	2	4					Pass	
Room 117 (6) Wall	2	2	4					Pass	
Room 119 (7) Boom	2	2	4					Pass	
Total # outlets/inlets	26	26	52	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **4th**			Unit: **4 MICU**						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	49 psi	20"Hg					Outlet Model : **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: >6.0 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 119 (7) Wall	2	2	4					Pass	
Room 120 (8) Boom	2	2	4					Pass	
Room 120 (8) Wall	2	2	4					Pass	
Room 121 (9) Boom	2	2	4					Pass	
Room 121 (9) Wall	2	2	4					Pass	
Room 124 (10) Boom	2	2	4					Pass	
Room 124 (10) Wall	2	2	4					Pass	
Room 127 (11) Boom	2	2	4					Pass	
Room 127 (11) Wall	2	2	4					Pass	
Room 129 (12) Boom	2	2	4					Pass	
Room 129 (12) Wall	2	2	4					Pass	
Room 130 (13) Boom	2	2	4					Not Tested	Stop Precaution
Room 130 (13) Wall	2	2	4					Not Tested	Stop Precaution
Room 131 (14) Boom	2	2	4					Pass	
Room 131 (14) Wall	2	2	4					Pass	
Room 132 (15) Boom	2	2	4					Pass	
Room 132 (15) Wall	2	2	4					Pass	
Room 133 (16) Boom	2	2	4					Pass	
Room 133 (16) Wall	2	2	4					Pass	
Room 134 (17) Boom	2	2	4					Pass	
Room 134 (17) Wall	2	2	4					Pass	
Room 135 (18) Boom	2	2	4					Pass	
Room 135 (18) Wall	2	2	4					Pass	
Total # outlets/inlets	46	46	92	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **4th**			Unit: **4 West**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Nurses station**	
Pipe size								Rooms Served: **4B 119, 121, 123-126, 128, 132**	
Labeling	Pass	Pass						Notes: **No gauges down stream of zone valves. Missing vacuum zone valve.**	
Leak Test	Pass	Pass							
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	22"Hg					Location: **Next to zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **4B 119, 121, 123-126, 128, 132**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	49 psi	20"Hg					Outlet Model : **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						

Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
4B 119	2	2	3					Pass	
4B 121	2	2	3					Pass	
4B 123	2	2	3					Pass	
4B 124	2	2	3					Pass	
4B 125	2	2	3					Pass	
4B 126	2	2	3					Pass	
4B 128	2	2	3					Pass	
4B 132	2	2	3					Pass	
Total # outlets/inlets	16	16	24	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **4th**			Unit: **4 West**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Nurses station**	
Pipe size								Rooms Served: **4B 137-140, 144-146, 148, 149, 151**	
Labeling	Pass	Pass						Notes: **No gauges down stream of zone valves. Missing vacuum zone valve.**	
Leak Test	Pass	Pass							
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	22"Hg					Location: **Next to zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **4B 137-140, 144-146, 148, 149, 151**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	49 psi	20"Hg					Outlet Model : **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
4B 137	2	2	3					Pass	
4B 138	2	2	3					Pass	
4B 139	2	2	3					Pass	
4B 140	2	2	3					Pass	
4B 144	2	2	3					Pass	
4B 145	2	2	3					Pass	
4B 146	2	2	3					Pass	
4B 148	2	2	3					Pass	
4B 149	2	2	3					PwE	**Left O2 leaks with device**
4B 151	2	2	3					Pass	
Total # outlets/inlets	20	20	30	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **4th**			Unit: **Cathlab Procedure**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer:	
Gauge reading								Location: **Not Found**	
Pipe size								Rooms Served:	
Labeling								Notes: **Could not locate zone valves**	
Leak Test									
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	49 psi	20"Hg					Outlet Model : **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
4D 101A		1	1					Pass	
4D 103		1	1					Pass	
4D 105A			2					Pass	
4D 108B	2	2	3					Pass	
4D 108C	4	4	6					Pass	
Total # outlets/inlets	6	8	13	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **16 April 2024**	
Bldg: **100**								Technician:	
Floor: **4th**			Unit: **4 Cath Lab**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	56 psi	50 psi	23"Hg					Location: **Observation room 4D 152A**	
Pipe size	1/2"	1/2"	3/4"					Rooms Served: **Room 4D 152**	
Labeling	Pass	Pass	Pass					Notes:	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	53 psi	49 psi	22"Hg					Location: **Next to zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **Room 4D 152**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model : **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
4D 152 Bed	1	1	1					Pass	
4D 152 Wall	1	1	1					Pass	
Total # outlets/inlets	2	2	2	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **4th**			Unit: **4 Cath Lab**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	55 psi	50 psi	23"Hg					Location: **Observation room 4D 153A**	
Pipe size	1/2"	1/2"	1"					Rooms Served: **Room 4D 153**	
Labeling	Pass	Pass	Pass					Notes: **Behind door when door opens**	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	53 psi							Location: **Above zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **Room 4D 153**	
Visual Indicator ± 20%	Pass	Fail	Fail					Notes: Med Air and **Vac digital displays by flashing number**	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model : **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
4D 153 Bed	1	1	1					Pass	
4D 153 Wall	1	1	1					Pass	
Total # outlets/inlets	2	2	2	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **4th**			Unit: **Cath Lab**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	55 psi	51 psi	25"Hg					Location: **Hallway across from 4D-140**	
Pipe size	1/2"	1/2"	3/4"					Rooms Served: **Room 4D-142 and 142A**	
Labeling	Pass	Pass	Pass					Notes:	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	53 psi	48 psi	21"Hg					Location: **Above ZVB**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored:Room 4D-142 and 142A	
Visual Indicator ± 20%	Pass	Pass	Pass					:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model : **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
142 A	1	1	2					Pass	
142 B	1	1	2					Pass	
Total # outlets/inlets	2	2	4	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **4th**			Unit: **Cathlab Procedure**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer:	
Gauge reading								Location: **Not Found**	
Pipe size								Rooms Served:	
Labeling								Notes: **Could not locate zone valves**	
Leak Test									
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure								Outlet Model : **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM								Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 4D 151	1	1	1					Pass	
Room 4D 134 Wall A	1		1					Pass	
Room 4D 134 Wall C	1		1					Pass	
Room 4D 135	1		1					Pass	
Room 4D 136	2	2	2					Pass	
Room 4D 137	4	4	4					Pass	
Room 4D 180	1	2	3					Pass	
Room 4D 176	1							Pass	
Room 4D 177	1							Pass	
Total # outlets/inlets	13	9	13	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **4th**			Unit: **Bone Marrow**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Wall near conference room**	
Pipe size	3/4"	3/4"	2"					Rooms Served: **Rooms 1-8 and 4D-115**	
Labeling	Pass	Pass	Pass					Notes: **No gauges down stream of valves. O2 leaks while closing**	
Leak Test	Fail	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer:	Switch location: **Downstream of ZVB**
Pressure reading	60 psi	50 psi	22"Hg					Location: **Wall near conference room**	
Audible Indicator ± 20%	Pass	Fail	Pass					Rooms Monitored: **Rooms 1-8 and 4D-115**	
Visual Indicator ± 20%	Pass	Fail	Pass					Notes: **Area Alarm panel obsolete. MA does not alarm when pressure is low.**	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model : **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 1	2	2	3					Pass	
Room 2	2	2	3					Pass	
Room 3	2	2	3					Pass	
Room 4	2	2	3					Pass	
Room 5	2	2	3					Pass	
Room 6	2	2	3					Pass	
Room 7	2	2	3					PwE	Right Medair leak without device
Room 8	2	2	3					Pass	
4D-115	1							Pass	
Total # outlets/inlets	17	16	24	0	0	0	0		

Facility: Seattle VA Medical Center								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **1st**			Unit: **Emergency Department**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Allied**	
Gauge reading	54 psi	50 psi	24"Hg					Location: **Between housekeeping and Nourishment**	
Pipe size	3/4"	3/4"	2"					Rooms Served: **ED Exams 1-11, and 25**	
Labeling	Pass	Pass	Pass					Notes:	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	22"HG					Location: **Across from Exams 101 & 102**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **ED Exams 1-11, and 25**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Exam 1	1	1	2					Pass	
Exam 2	1	1	2					Pass	
Exam 3	2	1	4					Pass	
Exam 4	2	1	4					Pass	
Exam 5	2	1	4					Pass	
Exam 6	2	1	4					Pass	
Exam 7	2	1	4					Pass	
Exam 8	2	1	4					Pass	
Exam 9	2	1	4					Pass	
Exam 10	1	1	2					Pass	
Exam 11	1	1	2					Pass	
Exam 25	2	1	4					Pass	
Total # outlets/inlets	20	12	40	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **1st**			Unit: **Emergency Department**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Allied**	
Gauge reading	57 psi	50 psi	24"Hg					Location: **Between rooms 153 and 154**	
Pipe size	3/4"	3/4"	2"					Rooms Served: **ED Exams 12-22 and CT Room 137**	
Labeling	Pass	Pass	Pass					Notes:	
	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	22"Hg					Location: **Between rooms 153 and 154**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **ED Exams 12-22 and CT Room 137**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron/Ohio**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch/DISS**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Exam 12	2	1	4					Pass	
Exam 13	2	1	4					Pass	
Exam 14	2	1	4					Pass	
Exam 15	2	1	4					Pass	
Exam 16	2	1	4					Pass	
Exam 17	2	1	4					Pass	
Exam 18	2	1	4					Pass	
Exam 19	2	1	4					Pass	
Exam 20	2	1	4					Pass	
Exam 21	2	1	4					Pass	
Exam 22	2	1	4					Pass	
CT room 173	1	1	1					Pass	
Total # outlets/inlets	23	12	45	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **1st**			Unit: **Emergency Department**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	55 psi	49 psi	24"Hg					Location: **Next to ED Exam 22**	
Pipe size	1/2"	1/2"	1"					Rooms Served: **ED Exams 23 and 24**	
Labeling	Pass	Pass	Pass					Notes:	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	48 psi	22"Hg					Location: **Next to ED Exam 22**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **ED Exams 23 and 24**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron/Ohio**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch/DISS**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Exam 23	2	1	4					Pass	
Exam 24	2	1	4					Pass	
Total # outlets/inlets	4	2	8	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **1st**			Unit: **SCI**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **SCI Scheduling Desk**	
Pipe size								Rooms Served: **SCI 106, 130, 138, 139, and 142**	
Labeling	Pass	Pass						Notes: **No vac zone valve and no gauges**	
Leak Test	Pass	Pass							
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	21"Hg					Location: **SCI Scheduling Desk**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **SCI 106, 130, 138, 139, and 142**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						

Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
SCI 106	1	1	1					Pass	
SCI 130-A	1	1	1					Pass	
SCI 130-B	1	1	1					Pass	
SCI 130-C	1	1	1					Pass	
SCI 130-D	1	1	1					Pass	
SCI 138-A	1	1	1					Pass	
SCI 138-B	1	1	1					Pass	
SCI 138-C	1	1	1					Pass	
SCI 138-D	1	1	1					Pass	
SCI 139-A	1	1	1					Pass	
SCI 139-B	1	1	1					Pass	
SCI 139-C	1	1	1					Pass	
SCI 139-D	1	1	1					Pass	
SCI 142-A	1	1	1					Pass	
SCI 142-B	1	1	1					Pass	
Total # outlets/inlets	15	15	15	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **1st**			Unit: **SCI**						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	20.9% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
SCI 142-C	1	1	1					Pass	
SCI 142-D	1	1	1					Pass	
Total # outlets/inlets	2	2	2	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **1st**			Unit: **SCI**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **SCI Nurses Station**	
Pipe size								Rooms Served: **SCI 107, 110, 112, 115, 117, 119, 123, 124, 126, 127, & 129**	
Labeling	Pass	Pass	Pass					Notes: **No gauges downstream of zone valves**	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	62 psi	50 psi	22"Hg					Location: **SCI Nurses Station**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **SCI 107, 110, 112, 115, 117, 119, 123, 124, 126, 127, & 129**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes: **Area alarm panel is out of range and is obsolete**. **O2 is out of range**	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
SCI 107	1	1	1					Pass	
SCI 110	1	1	1					Pass	
SCI 112	1	1	1					Pass	
SCI 115	1	1	1					Pass	
SCI 117-A	1	1	1					Pass	
SCI 117-B	1	1	1					Pass	
SCI 119-A	1	1	1					Pass	
SCI 119-B	1	1	1					Pass	
SCI 123-A	1	1	1					Pass	
SCI 123-B	1	1	1					Pass	
SCI 124-A	1	1	1					Pass	
SCI 124-B	1	1	1					Pass	
SCI 126-A	1	1	1					Pass	
SCI 126-B	1	1	1					Pass	
SCI 127-A	1	1	1					Pass	
Total # outlets/inlets	15	15	15	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **1st**			Unit: **SCI**						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	20.9% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
SCI 127-B	1	1	1					Pass	
SCI 127-C	1	1	1					Pass	
SCI 127-D	1	1	1					Pass	
SCI 129-A	1	1	1					Pass	
SCI 129-B	1	1	1					Pass	
SCI 129-C	1	1	1					Pass	
SCI 129-D	1	1	1					Pass	
Total # outlets/inlets	7	7	7	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **1st**			Unit: **SCI - East Clinic**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Outside 1D-137B**	
Pipe size								Rooms Served: **137T, 137U, 137V**	
Labeling	Pass	Pass	Pass					Notes: **No gauges downstream of zone valves**	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	60 psi	50 psi	22"Hg					Location: **Outside 1D-137B**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **137T, 137U, 137V**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes: **Area alarm panel is out of range and is obsolete**	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
1D-137T			1					Pass	
1D-137U	1	1	1					Pass	
1D-137V	1	1	1					Pass	
Total # outlets/inlets	2	2	3	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **2nd**			Unit: **2 East**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Behind Nurses station**	
Pipe size	3/4"	3/4"						Rooms Served: **110,111,114,120,122-124,126,129,131,134-138**	
Labeling	Pass	Pass						Notes: **No Vacuum zone valve, other valves missing gauges. Oxygen valve leaks when closed, room are mislabeled.**	
Leak Test	Fail	Pass							
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	23"Hg					Location: **Next to zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Fail					Rooms Monitored: **110,111,114,120,122-124,126,129,131,134-138**	
Visual Indicator ± 20%	Pass	Pass	Fail					Notes: **Vacuum Alarm does not work**	
Labeling	Pass	Pass	Fail						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						

Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 110									No outlets in room
Room 111	2	1	3					PwE	Outlets blocked by a cabinet
Room 114	1	1	2					Pass	
Room 117	1	1	2					Pass	
Room 120A	2	1	3					Pass	
Room 120B	2	1	3					Pass	
Room 122A	2	1	3					Pass	
Room 122B	2	1	3					Pass	
Room 123A	2	1	3					Pass	
Room 123B	2	1	3					Pass	
Room 124	2	1	3					Pass	
Room 126	2	1	3					Pass	
Room 129	2	1	3					Pass	
Total # outlets/inlets	22	12	34	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **2nd**			Unit: **2 East**						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 131	2	1	3					Pass	
Room 134A	2	1	3					Pass	
Room 134B	2	1	3					Pass	
Room 135	1	1	2					Pass	
Room 136	1	1	2					Pass	
Room 137	1	1	2					Pass	
Room 138	1	1	2					Pass	
Total # outlets/inlets	10	7	17	0	0	0	0		

Facility: **Seattle VA Hospital, Seattle**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **2nd**			Unit: **2 West**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Ohio**	
Gauge reading	55 psi	50 psi	22"Hg					Location: **Behind Nurses station**	
Pipe size	3/4"	3/4"	1"					Rooms Served: **2B 112 - 136 Even, 140, 144, & 146**	
Labeling	Pass	Pass	Pass					Notes:	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Ohio**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	24"Hg					Location: **Next to zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **2B 112 - 136 Even, 140, 144, & 146**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model : **Latch**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 2B 112A	2	2	2					Pass	
Room 2B 112B	2	2	2					Pass	
Room 2B 114A	2	2	2					Pass	
Room 2B 114B	2	2	2					Pass	
Room 2B 116A	2	2	2					Pass	
Room 2B 116B	2	2	2					Pass	
Room 2B 118A	2	2	2					Pass	
Room 2B 118B	2	2	2					Pass	
Room 2B 120	2	2	2					Pass	
Room 2B 122	2	2	2					Pass	
Room 2B 124	2	2	2					Pass	
Room 2B 126	2	2	2					Pass	
Room 2B 128A	2	2	2					Pass	
Room 2B 128B	2	2	2					Pass	
Room 2B 130A	2	2	2					Pass	
Total # outlets/inlets	30	30	30	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **2nd**			Unit: **2 West**						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model : **Latch**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 2B 130B	2	2	2					Pass	
Room 2B 132A	2	2	2					Pass	
Room 2B 132B	2	2	2					Pass	
Room 2B 134A	2	2	2					Pass	
Room 2B 134B	2	2	2					Pass	
Room 2B 136A	2	2	2					Pass	
Room 2B 136B	2	2	2					Pass	
Room 2B 140	2	2	2					Pass	
Room 2B 144	2	2	2					Pass	
Room 2B 146	2	2	2					Pass	
Total # outlets/inlets	20	20	20	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **2nd**			Unit: **Radiology**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	56 psi	48 psi	24"Hg					Location: **Hallway behind Radiology**	
Pipe size	1/2"	3/4"	1"					Rooms Served: **Rooms 2D 104, 106, 111, and 112**	
Labeling	Pass	Pass	Pass					Notes:	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	50 psi	22"Hg					Location: **Radiology front desk**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **Rooms 2D 104, 106, 111, and 112**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 2D 104	1	1	1					Pass	
Room 2D 106	1	1	1					Pass	
Room 2D 111	1	1	1					Pass	
Room 2D 112	1	1	1					Pass	
Total # outlets/inlets	4	4	4	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **2nd**			Unit: **Radiology**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	56 psi	50 psi	23"Hg					Location: **Next to room 2D 137**	
Pipe size	1/2"	3/4"	1"					Rooms Served: **2D-135, 138, 143, 146, and 150**	
Labeling	Pass	Pass	Pass					Notes:	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	22"Hg					Location: **Radiology front desk**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **2D-135, 143, 146, and 150**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 2D 135	1	1	1					Pass	
Room 2D 143	1	1	1					Pass	
Room 2D 146	1	1	1					Pass	
Room 2D 150	1	1	1					Pass	
Total # outlets/inlets	4	4	4	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **2nd**			Unit: **MRI**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	55 psi		22"Hg					Location: **MRI Entry**	
Pipe size	1/2"		3/4"					Rooms Served: **MRI 204, 206, Bays 1 & 2**	
Labeling	Pass		Pass					Notes:	
Leak Test	Pass		Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	57 psi							Location: **Above zone valve box**	
Audible Indicator ± 20%	Pass							Rooms Monitored: **MRI 204, 206, Bays 1 & 2**	
Visual Indicator ± 20%	Pass							Notes: **Missing Vac alarm. Alarm panel is outdated.**	
Labeling	Pass								
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi		20"Hg					Outlet Model: **Series 400**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass		Pass					Notes:	
Concentration	100% O2		N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 204	1		1					Pass	
Room 206	1		1					Pass	
MRI Bay 1	1		1					Pass	
MRI Bay 2	1		1					Pass	
Total # outlets/inlets	4	0	4	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **2nd**			Unit: **Dental**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Next to Exam J**	
Pipe size	1/2"	1/2"	1"					Rooms Served: **Exams A, D, E, G, H,J, K, M, V, W, AA, BB, CC, KK, 168, 169 A-D, 175, 187, & 196**	
Labeling	Pass	Pass	Pass					Notes: **No gauges on zone valves**	
Leak Test	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	20.9% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Exam A	1		1					Pass	
Exam D	1		1					Pass	
Exam E	2		2					Pass	
Exam F	2		2					Pass	
Exam G	1		1			1		Pass	
Exam H	1		1			1		Pass	
Exam J	1		1					Pass	
Exam K	1		1					Pass	
Exam M	1		1					Pass	
Exam V	1		1					Pass	
Exam W	1		1					Pass	
Exam AA	1		1					Pass	
Exam BB	1		1					Pass	
Exam CC	1		1					Pass	
Exam DD	1		1					Pass	
Exam KK	1		1					Pass	
168	1	1	1					Pass	
169 a	1	1	1					Pass	
169 b	1	1	1					Pass	
169 c	1	1	1					Pass	
Total # outlets/inlets	22	4	22	0	0	2	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **2nd**			Unit: **Dental**						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
169 d	1	1	1					Pass	
175	1	1	1					Pass	
Total # outlets/inlets	2	2	2	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **2nd**			Unit: **Special procedures**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	
Gauge reading	56 psi	50 psi	20"Hg					Location: **Outside 2D 114**	
Pipe size	1/2"	1/2"	3/4"					Rooms Served: **2D 114, 115, 117**	
Labeling	Pass	Pass	Pass					Notes:	
Leak Test	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch/DISS**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 2D 114	1	1	1					Pass	
Room 2D 115 Wall	1	1	1					Pass	
Room 2D 115 Ceiling	1	1	2					Pass	
Room 2D 117 Wall	1	1	1					Pass	
Room 2D 117 Ceiling	1	1	1					Pass	
Total # outlets/inlets	5	5	6	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **3 East**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Behind Nurses station**	
Pipe size								Rooms Served: **3C 107, 111, 114-118, 120- 122, 127, 129, 132-136**	
Labeling	Pass	Pass						Notes: **No Vacuum zone valve, other valves missing gauges. Med Air handle missing nut**	
Leak Test	Pass	Pass							
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	22"Hg					Location: **Next to zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **3C 107, 111, 114-118, 120- 122, 127, 129, 132-136**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Ohio**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
3C 107	1	1	2					Pass	
3C 111	1	1	2					Pass	
3C 114	1	1	2					Pass	
3C 115	1	1	2					Pass	
3C 116	1	1	2					Pass	
3C 117 WallA	2	1	3					Pass	
3C 117 Wall C	2	1	3					Pass	
3C 118 Wall A	2	1	3					Pass	
3C 118 Wall C	2	1	3					Pass	
3C 120 Wall A	2	1	3					Pass	
3C 120 Wall C	2	1	3					Pass	
3C 121 Wall A	2	1	3					Pass	
3C 121 Wall C	2	1	3					Pass	
Total # outlets/inlets	21	13	34	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **3 East**						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Ohio**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
3C 122	2	1	3					Pass	
3C 127	2	1	3					Pass	
3C 129	2	1	3					Pass	
3C 132 Wall A	2	1	3					Pass	
3C 132 Wall B	2	1	3					Pass	
3C 132 Wall C	2	1	3					Pass	
3C 133	2	2	3					PwE	Middle Vac leaks
3C 134	1	1	2					Pass	
3C 135	1	1	2					Pass	
3C 136	1	1	2					Pass	
Total # outlets/inlets	17	11	27	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **3 West**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Outside Gastrology Office**	
Pipe size								Rooms Served: **3B 108-112,114, 114, 118,122-125,127-131, 135**	
Labeling	Pass	Pass						Notes: **No Vacuum zone valve, other valves missing gauges.**	
Leak Test	Pass	Pass							
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	50 psi	22"Hg					Location: **Next to zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **3B 108-112,114, 114, 118,122-125,127-131, 135**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Ohio**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						

Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
3B 108	2	1	3					Pass	
3B 109	1	1	2					Pass	
3B 110	1	1	2					Pass	
3B 111	1	1	2					Pass	
3B 112	2	2	3					Pass	
3B 113 A	2	1	3					Pass	
3B 113 B	2	1	3					Pass	
3B 114	2	1	3					Pass	
3B 116	2	1	3					Pass	
3B 118	2	1	3					Pass	
3B 122	1	1	1					Pass	
3B 123	2	1	3					Pass	
3B 124 Wall A	2	1	3					Pass	
3B 124 Wall C	2	1	3					Pass	
3B 125 Wall A	2	1	3					Pass	
Total # outlets/inlets	26	16	40	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **3 West**						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Ohio**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
3B 125 Wall B	2	1	3					Pass	
3B 127 Wall A	2	1	3					Pass	
3B 127 Wall B	2	1	3					Pass	
3B 128 Wall A	2	1	3					Pass	
3B 128 Wall B	2	1	3					Pass	
3B 129	1	1	2					Pass	
3B 130	1	1	2					Pass	
3B 131	1	1	2					Pass	
3B 135	1	1	2					Pass	
Total # outlets/inlets	14	9	23	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **PACU**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Behind Nurses station**	
Pipe size								Rooms Served: **PACU 1-10, 3D 130 A&B, SICU 1-8, 3D 137i, and 3D 137g**	
Labeling	Pass	Pass						Notes: **No Vacuum zone valve, other valves missing gauges. Shared ZVB but separate alarms**	
Leak Test	Pass	Pass							
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	23"Hg					Location: **Next to zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **PACU 1-10**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Ohio**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	49 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						

Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
PACU-1	2	2	3					Pass	
PACU-2	2	2	3					Pass	
PACU-3	2	2	3					Pass	
PACU-4	2	2	3					Pass	
PACU-5	2	2	3					Pass	
PACU-6	2	2	3					Pass	
PACU-7	2	2	3					Pass	
PACU-8	2	2	3					Pass	
PACU-9	2	2	3					Pass	
3D 137 i	2	2	3					Pass	
3D 137 g	2	2	3					Pass	
Total # outlets/inlets	22	22	33	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **PACU**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Behind Nurses station in PACU**	
Pipe size								Rooms Served: **PACU 1-10, 3D 130 A&B, SICU 1-8, 3D 137i, and 3D 137g**	
Labeling	Pass	Pass						Notes: **No Vacuum zone valve, other valves missing gauges. Shared ZVB but separate alarms**	
Leak Test	Pass	Pass							
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	22"Hg					Location: **Next to zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **SICU 1-8, 3D 138i, and 3D 138n**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Ohio**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	49 psi	20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
SICU-1	2	2	5					Pass	
SICU-2	2	2	5					Pass	
SICU-3	2	2	5					Pass	
SICU-4	2	2	5					Pass	
SICU-5	2	2	5					Pass	
SICU-6	2	2	5					Pass	
SICU-7	2	2	5					Pass	
SICU-8	2	2	5					Pass	
3D 138 i	2	2	5					Pass	
3D 138 n	2	2	5					Pass	
Total # outlets/inlets	20	20	50	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **OR Suite**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Outside OR-1**	
Pipe size								Rooms Served: **OR-1**	
Labeling	Pass	Pass	Pass	Pass		Pass		Notes: **Missing Gauges downstream of zone valves**	
Leak Test	Pass	Pass	Pass	Pass					
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Upstream of ZVB**
Pressure reading	56 psi	49 psi	22"Hg	52 psi		175 psi		Location: **Operating Office**	
Audible Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Rooms Monitored: **OR's 1-8 and holding**	
Visual Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Notes:	
Labeling	Pass	Pass	Pass	Pass		Pass			
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors: **Pass**
Pressure	50 psi	50 psi	20"Hg	50 psi		170 psi		Outlet Model: **Series 400**	Latch Style: **DISS**
Flow Rate: > 6.0 SCFM	Pass	Pass	Pass	Pass		Pass		Notes:	
Concentration	100% O2	21% O2	N/A	100%N2O		0% O2			
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
OR-1 Wall A						1		Pass	
OR-1 Front Ceiling	1	1	2	1		1		Pass	
OR-1 back Ceiling	1	1	2	1		1		Pass	
Total # outlets/inlets	2	2	4	2	0	3	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **OR Suite**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Outside OR-2**	
Pipe size								Rooms Served: **OR-2**	
Labeling	Pass	Pass	Pass	Pass		Pass		Notes: **Missing Gauges downstream of zone valves**	
Leak Test	Pass	Pass	Pass	Pass		Pass			
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Upstream of ZVB**
Pressure reading	56 psi	49 psi	22"Hg	52 psi		175 psi		Location: **Operating Office**	
Audible Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Rooms Monitored: **OR's 1-8 and holding**	
Visual Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Notes:	
Labeling	Pass	Pass	Pass	Pass		Pass			
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors: **Pass**
Pressure	50 psi	50 psi	20"Hg	50 psi		170 psi		Outlet Model: **Series 400**	Latch Style: **DISS**
Flow Rate: > 6.0 SCFM	Pass	Pass	Pass	Pass		Pass		Notes:	
Concentration	100% O2	21% O2	N/A	100%N2O		0% O2			
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
OR-2 Wall D						1		Pass	
OR-2 Front Ceiling	1	1	2	1		1		Pass	
OR-2 back Ceiling	1	1	2	1		1		Pass	
Total # outlets/inlets	2	2	4	2	0	3	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **OR Suite**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Outside OR-3**	
Pipe size								Rooms Served: **OR-3**	
Labeling	Pass	Pass	Pass	Pass		Pass		Notes: **Missing Gauges downstream of zone valves**	
Leak Test	Pass	Pass	Pass	Pass		Pass			
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Upstream of ZVB**
Pressure reading	56 psi	49 psi	22"Hg	52 psi		175 psi		Location: **Operating Office**	
Audible Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Rooms Monitored: **OR's 1-8 and holding**	
Visual Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Notes:	
Labeling	Pass	Pass	Pass	Pass		Pass			
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors: **Pass**
Pressure	50 psi	50 psi	20"Hg	50 psi		170 psi		Outlet Model: **Series 400**	Latch Style: **DISS**
Flow Rate: > 6.0 SCFM	Pass	Pass	Pass	Pass		Pass		Notes:	
Concentration	100% O2	21% O2	N/A	100%N2O		0% O2			
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
OR-3 Wall A						1		Pass	
OR-3 Front Ceiling	1	1	2	1		1		Pass	
OR-3 back Ceiling	1	1	2	1		1		Pass	
Total # outlets/inlets	2	2	4	2	0	3	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **OR Suite**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Outside OR-4**	
Pipe size								Rooms Served: **OR-4**	
Labeling	Pass	Pass	Pass	Pass		Pass		Notes: **Missing Gauges downstream of zone valves**	
Leak Test	Pass	Pass	Pass	Pass		Pass			
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Upstream of ZVB**
Pressure reading	56 psi	49 psi	22"Hg	52 psi		175 psi		Location: **Operating Office**	
Audible Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Rooms Monitored: **OR's 1-8 and holding**	
Visual Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Notes:	
Labeling	Pass	Pass	Pass	Pass		Pass			
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors: **Pass**
Pressure	50 psi	50 psi	20"Hg	50 psi		170 psi		Outlet Model: **Series 400**	Latch Style: **DISS**
Flow Rate: > 6.0 SCFM	Pass	Pass	Pass	Pass		Pass		Notes:	
Concentration	100% O2	21% O2	N/A	100%N2O		0% O2			
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
OR-4 Wall B						1		Pass	
OR-4 Front Ceiling	1	1	2	1		1		Pass	
OR-4 back Ceiling	1	1	2	1		1		Pass	
Total # outlets/inlets	2	2	4	2	0	3	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **OR Suite**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Outside OR-5**	
Pipe size								Rooms Served: **OR-5**	
Labeling	Pass	Pass	Pass	Pass		Pass		Notes: **O2 leaks, MA Label wrong colors. Missing Gauges downstream of zone valves**	
Leak Test	Pass	Pass	Pass	Pass		Pass			
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Upstream of ZVB**
Pressure reading	56 psi	49 psi	22"Hg	52 psi		175 psi		Location: **Operating Office**	
Audible Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Rooms Monitored: **OR's 1-8 and holding**	
Visual Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Notes:	
Labeling	Pass	Pass	Pass	Pass		Pass			
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors: **Pass**
Pressure	50 psi	50 psi	20"Hg	50 psi		170 psi		Outlet Model: **Series 400**	Latch Style: **DISS**
Flow Rate: > 6.0 SCFM	Pass	Pass	Pass	Pass		Pass		Notes:	
Concentration	100% O2	21% O2	N/A	100%N2O		0% O2			
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
OR-5 Wall B						1		Pass	
OR-5 Front Ceiling	1	1	2	1		1		Pass	
OR-5 back Ceiling	1	1	2	1		1		Pass	
Total # outlets/inlets	2	2	4	2	0	3	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 204**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **OR Suite**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	55 psi	48 psi	23"Hg	50 psi		175 psi		Location: **Outside OR-6**	
Pipe size	1/2"	1/2"	1-1/4"	1/2"		3/4"		Rooms Served: **OR-6**	
Labeling	Pass	Pass	Pass	Pass		Pass		Notes:	
Leak Test	Pass	Pass	Pass	Pass		Pass			
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Upstream of ZVB**
Pressure reading	56 psi	49 psi	22"Hg	52 psi		175 psi		Location: **Operating Office**	
Audible Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Rooms Monitored: **OR's 1-8 and holding**	
Visual Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Notes:	
Labeling	Pass	Pass	Pass	Pass		Pass			
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	48 psi	20"Hg	50 psi		170 psi		Outlet Model: **Series B**	Latch Style: **Chemetron Latch/DISS**
Flow Rate: > 6.0 SCFM	Pass	Pass	Pass	Pass		Pass		Notes:	
Concentration	100% O2	21% O2	N/A	100%N2O		0% O2			
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
OR-6 Boom 1	2	1	3	1	1			Pass	
OR-6 Boom 2			3			1		Pass	
OR-6 Boom 3	2	1	3	1	1			Pass	
Total # outlets/inlets	4	2	9	2	2	1	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **OR Suite**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Outside OR-7**	
Pipe size								Rooms Served: **OR-7**	
Labeling	Pass	Pass	Pass	Pass		Pass		Notes: **Missing Gauges downstream of zone valves**	
Leak Test	Pass	Pass	Pass	Pass		Pass			
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Upstream of ZVB**
Pressure reading	56 psi	49 psi	22"Hg	52 psi		175 psi		Location: **Operating Office**	
Audible Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Rooms Monitored: **OR's 1-8 and holding**	
Visual Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Notes:	
Labeling	Pass	Pass	Pass	Pass		Pass			
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors: **Pass**
Pressure	50 psi	50 psi	20"Hg	50 psi		170 psi		Outlet Model: **Series 400**	Latch Style: **DISS**
Flow Rate: > 6.0 SCFM	Pass	Pass	Pass	Pass		Pass		Notes:	
Concentration	100% O2	21% O2	N/A	100%N2O		0% O2			
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
OR-7 Wall B						1		Pass	
OR-7 Front Ceiling	1	1	2	1		1		Pass	
OR-7 back Ceiling	1	1	2	1		1		Pass	
Total # outlets/inlets	2	2	4	2	0	3	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **OR Suite**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	55 psi	48 psi	23"Hg	49 psi		175 psi		Location: **Outside OR-8**	
Pipe size	3/4"	3/4"	1 1/4"	3/4"		3/4"		Rooms Served: **OR-8**	
Labeling	Pass	Pass	Pass	Pass		Pass		Notes: **Can not see the gauges thru the ZVB cover.**	
Leak Test	Pass	Pass	Pass	Pass		Pass			
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Upstream of ZVB**
Pressure reading	56 psi	49 psi	22"Hg	52 psi		175 psi		Location: **Operating Office**	
Audible Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Rooms Monitored: **OR's 1-8 and holding**	
Visual Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Notes:	
Labeling	Pass	Pass	Pass	Pass		Pass			
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors: **Pass**
Pressure	50 psi	50 psi	20"Hg	49 psi		170 psi		Outlet Model: **Series 400**	Latch Style: **DISS**
Flow Rate: > 6.0 SCFM	Pass	Pass	Pass	Pass		Pass		Notes:	
Concentration	100% O2	21% O2	N/A	100%N2O		0% O2			
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
OR-8 Wall D						1		Pass	
OR-8 Front Ceiling	2	1	2	1		1		Pass	
OR-8 back Ceiling	2	1	2	1		1		Pass	
Total # outlets/inlets	4	2	4	2	0	3	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **3rd**			Unit: **OR Suite**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Outside Equipment Storage**	
Pipe size								Rooms Served: **OR Holding**	
Labeling	Pass	Pass	Pass	Pass				Notes: **N2O is not used. Missing Gauges downstream of zone valves**.	
Leak Test	Pass	Pass	Pass	Pass					
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Upstream of ZVB**
Pressure reading	56 psi	49 psi	22"Hg	52 psi		175 psi		Location: **Operating Office**	
Audible Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Rooms Monitored: **OR's 1-8 and holding**	
Visual Indicator ± 20%	Pass	Pass	Pass	Pass		Pass		Notes:	
Labeling	Pass	Pass	Pass	Pass		Pass			
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg	50 psi				Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 6.0 SCFM	Pass	Pass	Pass	Pass				Notes:	
Concentration	100% O2	21% O2	N/A	100%N2O					
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
OR Holding A	1	1	1					Pass	
OR Holding B	1	1	1					Pass	
OR Holding C	1	1	1					Pass	
Total # outlets/inlets	3	3	3	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: 5**th**			Unit: **5 East**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Nurses station**	
Pipe size			2"					Rooms Served: **5c109, 110, 113, 116-120, 122-124, 129, 131, 134-138**	
Labeling	Pass	Pass	Pass					Notes: **Zone valves do not have gauges. Cannot see pipe sizes. O2 leaks when closing**	
Leak Test	Fail	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	22"Hg					Location: **Nurses station**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **5c109, 110, 113, 116-120, 122-124, 129, 131, 134-138**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	49 psi	20"Hg					Outlet Model : **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						

Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 5C-109	2	1	3					Pass	
Room 5C-110	1	1	1					Pass	
Room 5C-113	1	1	2					Pass	
Room 5C-116	1	1	2					Pass	
Room 5C-117	1	1	2					Pass	
Room 5C-118	1	1	2					Pass	
Room 5C-119	4	2	6					Pass	
Room 5C-120	4	2	6					Pass	
Room 5C-122	4	2	6					Pass	
Room 5C-123	4	2	6					Pass	
Room 5C-124	2	1	3					Pass	
Room 5C-129	2	1	3					Pass	
Room 5C-131	4	2	6					Pass	
Total # outlets/inlets	31	18	48	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **5th**			Unit: **5 East**						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	49 psi	20"Hg					Outlet Model : **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 5C-134	4	2	6					Pass	
Room 5C-135	2	1	2					PwE	MA leaks
Room 5C-136	1	1	2					Pass	
Room 5C-137	1	1	2					Pass	
Room 5C-138	1	1	2					Pass	
Total # outlets/inlets	9	6	14	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: 5**th**			Unit: **5 West**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Nurses station**	
Pipe size	N/A	N/A	N/A					Rooms Served: **5B132, Stations 1, 4, 5, 6, 7, 8, 53, 139, 140, 142, & EEG**	
Labeling	Pass	Pass	Pass					Notes: **Zone valves do not have gauges, cannot see pipe sizes**	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	565 psi	49 psi	22"Hg					Location: **Nurses station**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **5B132, Stations 1, 4, 5, 6, 7, 8, 53, 139, 140, 142, & EEG**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model : **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						

Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Station 1 & 2	2	1	3					Pass	
Station 3	1	1	1					Pass	
Station 4	1	1	1					Pass	
Station 5	1	1	1					Pass	
Station 6	1	1	1					Pass	
Station 7	1	1	1					Pass	
Station 8	1	1	1					PwE	**O2 leaks**
Station 9	1	1	1					Pass	
Station 10	1	1	1					Pass	
Station 11	1	1	1					Pass	
5B 120	1	1	1					Pass	
EEG	1	1	1					Pass	
Total # outlets/inlets	13	12	14	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **6th**			Unit: **6 East**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	
Gauge reading	55 psi		22"Hg					Location: **Nurses station**	
Pipe size	3/4"		1-1/4"					Rooms Served: **Infusion 1-18, Therapy 1-11, 133, 136, 6C120, 6C121, & 6C145**	
Labeling	Pass		Pass					Notes: **Zone valve box located behind a door**.	
Leak Test	Pass		Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi		22"Hg					Location: **Is apart of the ZVB**	
Audible Indicator ± 20%	Pass		Pass					Rooms Monitored: **Infusion 1-18, Therapy 1-11, 133, 136, 6C120, 6C121, & 6C145**	
Visual Indicator ± 20%	Pass		Pass					Notes:	
Labeling	Pass		Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi		22"Hg					Outlet Model: **Latch**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass		Pass					Notes:	
Concentration	100% O2		N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 133	1		1					Pass	
Infusion 1	1		1					Pass	
Infusion 2	1		1					Pass	
Infusion 3	1		1					Pass	
Infusion 4	1		1					Pass	
Infusion 5	1		1					Pass	
Infusion 6	1		1					Pass	
Infusion 7	1		1					Pass	
Infusion 8	1		1					Pass	
Infusion 9	1		1					Pass	
Infusion 10	1		1					Pass	
Infusion 11	1		1					Pass	
Infusion 12	1		1					Pass	
Total # outlets/inlets	13	0	13	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **6th**			Unit: **6 East**						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi		20"Hg					Outlet Model: **Latch**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass		Pass					Notes:	
Concentration	100% O2		N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Infusion 13	1		1					Pass	
Infusion 14	1		1					Pass	
Infusion 15	1		1					Pass	
Infusion 16	1		1					Pass	
Infusion 17	1		1					Pass	
Infusion 18	1		1					Pass	
Therapy 1	1		1					Pass	
Therapy 2	1		1					Pass	
Therapy 3	1		1					Pass	
Therapy 4	1		1					Pass	
Therapy 5	1		1					Pass	
Therapy 6	1		1					Pass	
Therapy 7	1		1					Pass	
Therapy 8	1		1					Pass	
Therapy 9	1		1					Pass	
Therapy 10	1		1					Pass	
6C-120	1		1					Pass	
6C-145	1		1					Pass	
Total # outlets/inlets	18	0	18	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **6th**			Unit: **6 West**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Nurses station**	
Pipe size	3/4"	3/4"	1"					Rooms Served: **6B112-117, 119, 121,124, 126-128,130**	
Labeling	Pass	Pass	Pass					Notes: **Zone valves do not have gauges**. **O2 leaks when operated.**	
Leak Test	Fail	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	56 psi	49 psi	22"Hg					Location: **Nurses station**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **6B112-117, 119, 121,124, 126-128,130**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model : **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 6B-112	1	1	1					Not Tested	Stop Precaution
Room 6B-113	1	1	1					Pass	
Room 6B-114	1	1	1					Not Tested	Stop Precaution
Room 6B-115	1	1	1					Pass	
Room 6B-116	4	2	6					Pass	
Room 6B-117	2	1	3					Pass	
Room 6B-119	2	1	3					Not Tested	Stop Precaution
Room 6B-121	2	1	3					Pass	
Room 6B-124	2	1	3					Not Tested	Stop Precaution
Room 6B-126	2	1	3					Pass	
Room 6B-127	4	2	6					Pass	
Room 6B-128	4	2	6					Pass	
Room 6B-130	4	2	6					Pass	
Total # outlets/inlets	30	17	43	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **100**								Technician:	
Floor: **7th**			Unit: **7 East**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading								Location: **Outside from Nurses station**	
Pipe size								Rooms Served: **Patient rooms 114, 130, 130A, 132**	
Labeling	Pass	Pass	Pass					Notes: **No gauges on zone valves. Remove patient room 114 from label. O2 valve leaks when operated**	
Leak Test	Fail	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Switch location: **Downstream of ZVB**
Pressure reading	58 psi	50 psi	22"Hg					Location: **Nurses station**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **Patient rooms 114, 130, 130A, 132**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes: **No patient rooms with medical air, area alarm not tested. Remove patient room 114 from label. Alarm panel obsolete.**	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Ohio**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi		20"Hg					Outlet Model: **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass		Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Room 114								Pass	No outlets in room
Room 130	1		1					Pass	
Room 130A	1		1					Pass	
Room 132	4		4					Pass	
Total # outlets/inlets	6	0	6	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **101**								Technician:	
Floor: **5th**			Unit: **Research**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	
Gauge reading	54 psi	52 psi	22"Hg					Location: **Across from 5 E-21**	
Pipe size	3/4"	1/2"	1 1/4"					Rooms Served: **30, 34, 41, and 43**	
Labeling	Pass	Pass	Pass					Notes:	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Amico**	Switch location: **Downstream of ZVB**
Pressure reading	54 psi	50 psi	21"Hg					Location: **Nurses station**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **30, 34, 41, and 43**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chematron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model : **Series 500**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
30 A	1	1	2					Pass	
30 B	1	1	2					Pass	
34	1	1	2					Pass	
41	1	1	2					Pass	
43A	1	1	2					Pass	
43B	1	1	2					Pass	
Total # outlets/inlets	6	6	12	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **CLC**								Technician:	
Floor: **1st**			Unit: **CLC**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	55 psi		22"Hg					Location: **Behind the nurses station**	
Pipe size	1-1/4"		2"					Rooms Served: **Patient rooms 101,102,105,106,108,111,113,134-136,138,140,143,148-154**	
Labeling	Pass		Pass					Notes:	
Leak Test	Pass		Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Allied**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi		22"Hg					Location: **Behind nurses station**	
Audible Indicator ± 20%	Pass		Pass					Rooms Monitored: **Patient rooms 101,102,105,106,108,111,113,134-136,138,140,143,148-154**	
Visual Indicator ± 20%	Pass		Pass						
Labeling	Pass		Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi		20"Hg					Outlet Model : **500 series**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass		Pass					Notes:	
Concentration	100% O2		N/A						

Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Patient room 101	1		1					Pass	
Patient room 102	1		1					Pass	
Patient room 105	1		1					Pass	
Patient room 106	1		1					Pass	
Patient room 108	4		4					Pass	
Patient room 111	4		4					Pass	
Patient room 113	4		4					Pass	
Patient room 134	2		2					Pass	
Patient room 135	2		2					Pass	
Patient room 136	2		2					Pass	
Patient room 138	2		2					Pass	
Patient room 140	2		2					Pass	
Patient room 143	2		2					Pass	
Total # outlets/inlets	28	0	28	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **CLC**								Technician:	
Floor: **1st**			Unit: **CLC**						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron/Amico**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi		20"Hg					Outlet Model : **500 series**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass		Pass					Notes:	
Concentration	100% O2		N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Patient room 148	2		2					Pass	
Patient room 149	2		2					Pass	
Patient room 150	1		1					Pass	
Patient room 151	2		2					Pass	
Patient room 152	1		1					Pass	
Patient room 153	1		1					Pass	
Patient room 154	1		1					Pass	
Total # outlets/inlets	10	0	10	0	0	0	0		

Facility: **Seattle VA Medical Center**								Date: **23 April 2024**	
Bldg: **CLC**								Technician:	
Floor: **1st**			Unit: **CLC**						
Zone Valve	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	
Gauge reading	53 psi	49 psi	22"Hg					Location: **Outside room 132**	
Pipe size	1-1/4"	1"	1-1/2"					Rooms Served: **Patient rooms 125, 126, 128, 129, 132, and 133**	
Labeling	Pass	Pass	Pass					Notes:	
Leak Test	Pass	Pass	Pass						
Area Alarm Panel	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Allied**	Switch location: **Downstream of ZVB**
Pressure reading	55 psi	49 psi	22"Hg					Location: **Next to zone valve box**	
Audible Indicator ± 20%	Pass	Pass	Pass					Rooms Monitored: **Patient rooms 125, 126, 128, 129, 132, and 133**	
Visual Indicator ± 20%	Pass	Pass	Pass					Notes:	
Labeling	Pass	Pass	Pass						
Outlets/Inlets	Oxygen	Med Air	Vacuum	N2O	WAGD	N2	CO2	Manufacturer: **Chemetron**	Flexible Connectors Inspected: **N/A**
Pressure	50 psi	50 psi	20"Hg					Outlet Model : **500 series**	Latch Style: **Chemetron Latch**
Flow Rate: > 3.5 SCFM	Pass	Pass	Pass					Notes:	
Concentration	100% O2	21% O2	N/A						
Room Number	Qty	Qty	Qty	Qty	Qty	Qty	Qty	Test Result:	Observations:
Patient room 125	2	2	2					Pass	
Patient room 126	2	2	2					Pass	
Patient room 128	2	2	2					Pass	
Patient room 132	2	1	3					Pass	
Patient room 133	2	1	3					Pass	
Total # outlets/inlets	10	8	12	0	0	0	0		