



MEDICAL GAS / VACUUM PIPING DOCUMENTATION FORM

Job Address and Bldg/Suite #/Room # _____

Name of Business at Job Address _____

Type of Work Repair New Construction Remodel Addition

Name of Master Medical Licensee _____

Master Medical License Number _____

Medical Gas Permit Number _____

Medical Gas piping System: Level 1
 Level 2
 Level 3
 Level 4

Type of Medical Gas Piping: Type K (Green Markings)
 Type L (Blue Markings)

Hard drawn Copper tubing ASTM 819 Specifications _____ (Yes)____ (No)

Identifying Markings: OXY
 MED
 OXY/MED
 OXY/ACR
 ACR/MED

Piping Joints: Threaded Joints
 Brazed Joints

1. Medical Gas piping has had ends capped prior to installation of piping. _____ Yes ____ No
2. Threaded joints limited to connection of pressure gages, alarm pressure switches and similar devices. _____ Yes ____ No
3. Threads on fittings and piping are tapered threads complying with ANSI B1.20.1 Standard. _____ Yes ____ No
4. Threaded joints in piping system made up with polytetrafluoroethylene tape (such as Telefon tape) or other thread sealant suitable for oxygen service. Sealant applied to male threads only. _____ Yes ____ No
5. Brazed joints are socket type fittings. Brazing filler materials comply with ANSI/AWS A.5 Specifications.

___ Yes ___ No

6. Piping was continuously purged with oil-free nitrogen during the brazing process and was maintained until the joint was cool to the touch.

___ Yes ___ No

7. Medical gas piping has been tested at 150 PSI for 24 hours.

___ Yes ___ No

8. Brazed joints found defective has not been repaired more than one time.

___ Yes ___ No

9. Medical Gas piping after repairs to defective joints have been tested at 150 PSI for 24 hours.

___ Yes ___ No

10. Medical gas piping is supported with supports and hangers as required by NFPA 99C, 1999 Edition for piping sizes and spacing of hangers.

___ Yes ___ No

11. Master and area alarms have been installed in accordance Manufacturer's installation instructions and to NFPA 99 C, 1999 Edition.

___ Yes ___ No

12. All valves, piping, stations have been labeled and tagged in accordance with NFPA 99 C.

___ Yes ___ No

13. Cross connections exist in medical gas piping system or with any other piping system.

___ Yes ___ No

14. All fittings, valves and components of Medical Gas piping system are compatible with medical gases of the system.

___ Yes ___ No

15. Medical gas piping has been purged to remove all particulate matter in the pipelines.

___ Yes ___ No

16. Medial gas piping is designed and sized to deliver the required flow rates at the utilization pressures.

___ Yes ___ No

17. Vacuum Piping System: ___ Level 1
 ___ Level 2
 ___ Level 3
 ___ Level 4

18. Type of Vacuum Piping: Copper Water Tube (ASTM B88): ___ Type K
 ___ Type L
 ___ Type M

19. Tube Type: ___ Copper ACR Tube (ASTM B 280)
 ___ Copper Medical Gas Tube (ASTM B 819)
 ___ Stainless Steel Tube
 ___ Galvanized Steel Tube

20. Copper Tube: Hard drawn temper

___ Yes ___ No

21. Piping Joints: Threaded Joints
 Flanged
 Brazed Joints
 Welded
 Soldered
-

22. Vacuum piping has had ends capped prior to installation of piping.

Yes No

23. Threads on fittings and piping are tapered threads complying with ANSI B1.20.1 Standard.

Yes No

24. Solder metal contains less than 0.2 percent lead.

Yes No

25. Vacuum piping labeled in accordance with NFPA 99 C, 1999 Edition

Yes No

26. Mains, branches and individual drops to stations sized in accordance with NFPA 99 C, 1999 Edition

Yes No

27. Vacuum piping is supported with supports and hangers as required by NFPA 99C, 1999 Edition for piping sizes and spacing of hangers.

Yes No

28. Copper tube fittings for copper tube pressure-rated copper, brass, or bronze made especially for soldering or brazing.

Yes No

29. Mechanically formed branch connections used and made in accordance with manufacturer's instructions.

Yes No

30. Mechanically formed branch connections brazed.

Yes No

31. Vacuum system valve boxes permanently labeled in accordance with NFPA 99C, 1999 Edition.

Yes No

32. Master and area alarms have been installed in accordance Manufacturer's installation instructions and to NFPA 99 C, 1999 Edition.

Yes No

33. Vacuum system gauges installed in accordance with NFPA 99 C, 1999 Edition.

Yes No

34. Cross connections exist in vacuum system or with any other piping system.

Yes No

35. Vacuum piping system tested with not less than 150 PSI with oil-free, dry nitrogen for 24 hours.

Yes No

36. Defective joints have not been repaired more than two times and retest at 150 PSI for 24 hours.

Yes No

37. All fittings, valves and components of Vacuum piping system are compatible with vacuum piping of the system.

____ Yes ____ No

38. Medical gas piping has been purged to remove all particulate matter in the pipelines.

____ Yes ____ No

The Medical Gas and Vacuum piping installation at this premise has been installed in accordance with NFPA 99 C, 1999 Edition.

Signature of Master Medical Gas Licensee

Date

Printed Name of Master Medical Gas Licensee