

NFPA-99 2005 Level 1 Master Alarm Points

This document is only to be used as a general alarm point guide. Refer to NFPA-99 2005 for detailed alarm point requirements

Manifold for Gas Cylinders Without Reserve - 5.1.3.4.10

(nitrogen, carbon dioxide, medical air, oxygen, & nitrous oxide)

- main line pressure high 5.1.9.2.4(7)
- main line pressure low 5.1.9.2.4(7)
- changeover to secondary supply 5.1.3.4.10.6 & 5.1.9.2.4(1)

Manifold for Cryogenic Liquid Cylinders with Reserve - 5.1.3.4.12

(oxygen, nitrogen & nitrous oxide)

- main line pressure high 5.1.9.2.4(7)
- main line pressure low 5.1.9.2.4(7)
- changeover to secondary supply 5.1.3.4.12.9(1) & 5.1.9.2.4(1)
- reserve in use 5.1.3.4.12.9(3)
5.1.3.4.15.5
5.1.9.2.4(3)
- reserve supply less than one day (low contents) 5.1.3.4.12.9(4) & 5.1.9.2.4(5)

Cryogenic Bulk with Cryogenic Reserve - 5.1.3.4.13

(oxygen, nitrogen & nitrous oxide)

- main line pressure high 5.1.9.2.4(7)
- main line pressure low 5.1.9.2.4(7)
- changeover to secondary supply 5.1.3.4.13.6(5) & 5.1.9.2.4(1)
- main supply less than one day (low contents) 5.1.3.4.13.6(1) & 5.1.9.2.4(2)
- reserve in use 5.1.3.4.13.6(2) & 5.1.9.2.4(3)
- reserve supply less than one day (low contents) 5.1.3.4.13.6(3) & 5.1.9.2.4(5)
- reserve pressure low (not functional) 5.1.3.4.11.6(4)* & 5.1.9.2.4(6)
* we believe the NFPA committee made an inadvertent error and the correct section should be: 5.1.3.4.13.9(4)

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Cryogenic Bulk with Cylinder Reserve - 5.1.3.4.13

(oxygen, nitrogen & nitrous oxide)

- main line pressure high 5.1.9.2.4(7)
- main line pressure low 5.1.9.2.4(7)
- changeover to secondary supply 5.1.3.4.13.6(5) & 5.1.9.2.4(1)
- main supply less than one day (low contents) 5.1.3.4.13.6(1) & 5.1.9.2.4(2)
- reserve in use 5.1.3.4.13.6(2)
5.1.3.4.15.5
5.1.9.2.4(3)
- reserve supply less than one day (low contents) 5.1.3.4.13.6(1) & 5.1.9.2.4(2)

Medical Air Compressors - 5.1.3.5

- main line pressure high 5.1.9.2.4(7)
- main line pressure low 5.1.9.2.4(7)
- dew point high 5.1.3.5.15(1) & 5.1.9.2.4(10)
- local alarm (see local alarm table) 5.1.3.5.14
5.1.9.2.4(9)
5.1.9.5.2

Instrument Air Compressors - 5.1.3.8

- main line pressure high 5.1.9.2.4(7)
- main line pressure low 5.1.9.2.4(7)
- dew point high 5.1.3.8.10.1 & 5.1.9.2.4(12)
- cylinder reserve in use (if provided) 5.1.3.8.10.2(1)
- cylinder reserve less than one hour supply 5.1.3.8.10.2(2)
- local alarm (see local alarm table) 5.1.3.8.10
5.1.9.2.4(9)
5.1.9.5.2

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Medical / Surgical Vacuum Pumps - 5.1.3.6

- main line vacuum low 5.1.9.2.4(8)
- local alarm (see local alarm table) 5.1.3.6.8
5.1.9.2.4(9)
5.1.9.5.2

WAGD Producers - 5.1.3.7

- main line vacuum low 5.1.9.2.4(8)*
- local alarm (see local alarm table) 5.1.3.7.4
5.1.9.2.4(9)
5.1.9.5.2

* we believe the NFPA committee made an inadvertent error and the correct section should be: 5.1.9.2.4(11)