

MDM & MXR MACHINE CHECKLIST FOR FREE STANDING UNITS

(ALSO SUITABLE FOR USE ON ACCUTRON NEWPORT FLOWMETERS)

AIMS

1. To check contents of all gas cylinders
2. To check correct functioning of controls and flowmeters
3. To check the automatic cut-out of nitrous oxide flow
4. To check reservoir bag for leaks
5. To check the high pressure gas cylinder circuit and regs for leaks

METHOD

Start with all cylinders off

| | | | | | |
|---|--|--|---|---|---|
| Gas Check | <table border="1"><tr><td>1. Open 'FULL' oxygen cylinder Check pressure gauge rises</td></tr><tr><td>2. Open 'FULL' nitrous oxide cylinder Check pressure gauge rises</td></tr></table> | 1. Open 'FULL' oxygen cylinder Check pressure gauge rises | 2. Open 'FULL' nitrous oxide cylinder Check pressure gauge rises | | |
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| Gas Check | <table border="1"><tr><td>7. Open both 'IN USE' cylinders</td></tr><tr><td>8. Check that both pressure gauges rise</td></tr><tr><td>9. Turn off cylinder valves and ensure cylinder content gauge needles do not fall.</td></tr><tr><td>10. Turn both 'IN USE' cylinders back on</td></tr></table> | 7. Open both 'IN USE' cylinders | 8. Check that both pressure gauges rise | 9. Turn off cylinder valves and ensure cylinder content gauge needles do not fall. | 10. Turn both 'IN USE' cylinders back on |
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| Flowmeter and Controls Check | <table border="1"><tr><td>11. Set mixture control at 100%</td></tr><tr><td>12. Open flow control. Set flowmeter at 6 litres/minute oxygen</td></tr><tr><td>13. Set mixer control at 50%</td></tr><tr><td>14. Check that both flowmeters indicate 3 L/min \pm 0.5 L/min</td></tr></table> | 11. Set mixture control at 100% | 12. Open flow control. Set flowmeter at 6 litres/minute oxygen | 13. Set mixer control at 50% | 14. Check that both flowmeters indicate 3 L/min \pm 0.5 L/min |
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| Automatic Cut-out Check | <table border="1"><tr><td>15. Turn off the oxygen cylinder - WAIT</td></tr><tr><td>16. Check that BOTH flowmeters fall to ZERO</td></tr></table> | 15. Turn off the oxygen cylinder - WAIT | 16. Check that BOTH flowmeters fall to ZERO | | |
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| Reservoir Bag Check | <table border="1"><tr><td>17. Turn the oxygen cylinder back on</td></tr><tr><td>18. Turn off flow control. Set mixture control at 100% oxygen</td></tr><tr><td>19. Occlude common gas outlet</td></tr><tr><td>20. Press oxygen flush to inflate reservoir bag - check for leaks</td></tr></table> | 17. Turn the oxygen cylinder back on | 18. Turn off flow control. Set mixture control at 100% oxygen | 19. Occlude common gas outlet | 20. Press oxygen flush to inflate reservoir bag - check for leaks |
| 17. Turn the oxygen cylinder back on | | | | | |
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Machine ready for use

***Please note: MXR R A Machines: adjustment of mixture control will not automatically maintain original flow setting. The same principle applies to the Accutron Newport.**