

Pre-Use Checklist for MXR, Ultra & Newport free Standing Sedation Machines

Suitable for use on non-compensating: MXR, Ultra & Newport on 4 cylinder stands.

- AIMS:**
- 1) To check contents of all gas cylinders
 - 2) To check correct function of control 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

1. Open "**FULL**" oxygen cylinders check pressure gauge rises
2. Open "**FULL**" nitrous oxide cylinder Check pressure rises

Leak Check

3. Turn off cylinders valve and wait for around 30 seconds ensure cylinder contents gauge needle do not fall

Bleed system

4. Open both "**FULL**" cylinders again
5. Open flow control with mixer control set at 30% oxygen
6. Switch off both "**FULL**" cylinder valves **nitrous oxide first**
7. Check that both contents **gauges fall to zero**
8. Set flow control to **zero** and mixer control to 100%

Flowmeter and control check

9. Turn on both "**IN USE**" cylinders
10. Open flow control. **Set flowmeter at 3 litres** per minute of oxygen
11. Set mixer control at **50% giving a total of 6 ltr's combined.**
12. Check that Both flowmeters indicate **3 Litres /min ± 0.5 Litres /min ***

Automatic cut-out check

13. Turn the oxygen cylinder off - **WAIT**
14. Check that **BOTH** flowmeter balls fall to **ZERO**

Reservoir bag check

15. Turn the "**IN USE**" oxygen cylinder back on
16. Turn off flow control. Set mixture control at 100% oxygen
17. Occlude gas outlet with gloved hand.
18. Press oxygen flush to inflate reservoir bag, check for leaks

*This tolerance only applies to Analogue flowmeters

Machine is now 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 Accutron Newport.

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