

# Pre user Checklist for Pipeline Supplied Machines

## AIMS

1. To check **adequate gas** supply
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

Start with machine plugged into N2O - O2 outlets

### Gas check

- 1) Verify that the pressures for both Oxygen and Nitrous Oxide are within acceptable ranges.  
For auto manifold-fed systems, check the local gas alarm panel.  
For other systems, check the pressure on the regulator gauges.

### Failsafe check

- 2) Open flow control and set to **6 Litres O2** turn mixer control to **50%**
- 3) **Disconnect oxygen probe** from pipeline terminal (or turn off O2 cylinder at regulator on small pipelines)
- 4) Check that both flowmeter balls fall to **zero**

### Flowmeter and control check

- 5) Reconnect Oxygen probe (or for small pipeline turn on O2 cylinder on)
- 6) Set mixture control at **100%**
- 7) Open flow control. Set flow metre at **6 litres/minute** oxygen
- 8) Set mixer control at **50%**
- 9) Check that both flow metres indicate  $3 \text{ L/min} \pm 0.5 \text{ L/min}$

### Reservoir bag inspiratory valve check

- 10) **Turn off flow control.** Set mixture control to **100%** oxygen
- 11) occlude common gas outlet
- 12) Press oxygen flush to inflate reservoir bag
- 13) Check that bag holds pressure and no gas escapes

Machine ready for use

Issue 7v 12-07-2024 R A Medical Services LTD T: 01535 652 444 - [info@ramedical.com](mailto:info@ramedical.com)

Document created by Michael Pickles - checked by James Throupe



medical



ISO  
9001 : 2015  
REGISTERED

Cert No. 14132499