

# MXR, Ultra & Newport IHS MACHINE CHECKLIST

AIMS: Suitable for use on: **MXR, Ultra & Newport 4 cylinder stands.**

- To check contents of **all gas cylinders**
- To check correct function of control and flowmeters
- To check the automatic cut-out of nitrous oxide flow
- To check reservoir bag for leaks
- To check the high pressure gas cylinder circuit and regulators for leaks

## Summary Checks to be performed prior to equipment use

### Cylinder contents and leak check (note\* only turn on one cylinder of the same gas at a time)

- 1) Open **IN USE oxygen** cylinder **wait 5 seconds**  
Check cylinder contents gauge rises, **close O2 cylinder**, Check needle does not drop for a **20 second wait**.
- 2) Open **IN USE nitrous oxide** cylinder **wait 5 seconds** - new cylinder will register at approx 650 psi full. Close cylinder valve, check needle does not drop for a **20 second wait**.
- 3) Repeat leak test with full cylinders.

### Oxygen Flush

- 1) With **both** oxygen & nitrous oxide cylinders open, **press the oxygen flush button**.
- 2) A minimum flow of more than 16 LPM with a strong flow of O2.

### Failsafe Oxygen

- 1) With **both** in use oxygen and nitrous oxide cylinders turned on, set the machine at **50% mixture** with **6 L.P.M. flow**. **Turn off** the in use oxygen cylinder.
- 2) Wait for oxygen to drain from the system. Flow will stop and both flow indicators will fall to zero

### Inspiratory Valve & Bag Check

- 1) **Cover common gas outlet** (using the palm of gloved hand)
- 2) **Press oxygen flush** to inflate reservoir bag
- 3) Check that the bag holds pressure and **no gas escapes** from the inspiratory valve.

**Machine ready for use**

# Machine storage procedure

## Storage

- 1) Turn off **N2O cylinder**
- 2) Set the flow to **6 ltr's at 50%** wait for the **nitrous** contents gauge to drop to zero.
- 3) Turn off **O2 cylinder**, wait for **oxygen** contents gauge to drop to zero.
- 4) Turn flow control and % back to the **off** position.

## Machine ready to store

Recommended two side print

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

