**Standard Operating Procedure for Checking your Gas Regulator**

**Regulator Checks Before Use**

1. Are the gauges in place and correct for the gas type? Should be Marked with ISO 5171 &/or EN 565.
2. Is the regulator body label in place, undamaged with the manufacturers name and logo in place? Should state BS or EN or ISO 2503.
3. Are the gauges straight?
4. Are the gauge covers clear, in place, undamaged and free from unauthorised modifications or repairs?
5. Are the needles reading zero, on the correct side of stop and straight (not bent)?
6. Are the gauges appropriate? (high and low pressure scales)
7. Are the pressure relief plates in/flat (on the back of regulator can be a half moon, horse shoe, full back, circle or ice scream cone)?
8. Can the pressure adjustment screw stays fixed to the body of the regulator, operated freely and to full extent (can be turned fully out and in)?
9. Is the regulator for the correct gas?
10. Is the regulator maximum inlet pressure appropriate for the cylinder in use?
11. Is the regulator maximum outlet pressure appropriate for the application?
12. Is the bullnose free from damage? (straight at 900, threads undamaged, free from oil greases, solvent and PTFE tape, tightening nut undamaged and of the correct thread type, free from unauthorised modifications or repairs).
13. Is the outlet connection free from damage? (threads undamaged, free from oil, greases, solvents, PTFE tape and carbon deposits, free from unauthorised modifications or repairs).
14. Is the date stamp present, in-date and on LabCup asset register along with its expiry date?(regulators must not be used where they are more than 5 years old).

**Note:** Do not use regulator if any of the above answers are no, this could mean your regulator will not perform properly, which could cause a serious injury. If found to be defective, take out of use and label accordingly to inform other.

**Regulator Checks After Use**

1. Is the regulator undamaged?
2. Is the regulator uncontaminated?
3. Is the regulator free from defects/faults?
4. Do the gauges return to zero during the venting process?