

Freshford Single stage/Multi stage gas pressure regulators

All Freshford regulators are manufactured to current BS and ISO requirements. Every regulator is carefully assembled and tested by skilled personnel and to current SEP

Conforms to EN ISO2503

Procedure

Installation and operation:

1. Ensure that the appropriate regulator is selected for the **type of gas** and **maximum inlet pressure** of the cylinder to be used. **Do not use** a regulator for any other gas service.
2. Gas cylinders must be in an upright position and secure with the valve closed.
3. Check that the cylinder is clean and free from oil or grease. Open cylinder valve briefly to clean any residual dirt or obstruction. Stand clear of the outlet and wear eye protection for this operation. Hydrogen cylinder must never be cleaned in this manner. Use dry compressed air for this purpose. Check cylinder valve threads and if there is any evidence of damage-do not use-return cylinder to supplier.
4. Inspect the regulator to ensure that it is clean and free of damage.
5. Connect the regulator to cylinder and tighten with a correct size spanner only.
6. Connect any downstream equipment if required (flashback arrestor, hoses, etc) to regulator outlet in readiness for use.
7. Check and turn Anti clockwise the regulator P.A (pressure adjusting) control knob. Make sure the outlet gauge shows zeros pressure, **before** opening the gas cylinder.
8. Open cylinder valve slowly to prevent pressure surge. For cylinders requiring a cylinder key, this should be left in place during operation.
9. Open any downstream valves and adjust the regulator to required working pressure via the P.A control knob.
10. Once the working pressure as been set up. Close any downstream valves and then carry out a leak check procedure with an approved leak detection fluid.
11. Any leaks will show up as tiny bubbles, Tighten and retest if safe to do so.
12. If leakage is evident, and cannot be safely dealt with , turn off the gas supply , vent away any gas pressure left in the regulator or downstream pipe work. Unscrew P.A knob to release the pressure on the internal valve, and remove the regulator from the cylinder for further investigation. Mark the regulator or label - DO NOT USE.

Closing down procedures:

1. Close cylinder valve.
2. Open all downstream valves to release pressure in system, if safe to do so
3. Unscrew P.A knob to release the pressure on the internal valve so that it is close, **no gas flow**. The regulator can now be removed or left in this state until next required.

Note: Operators should be trained in the correct use and procedures as listed above and to be aware of the recommendations of the British compressed gases association code of practice CP7-The safe use of gas control equipment. Obtainable from- B.C.G.A 14 Tollgate, Eastleigh

End :-