

### **Installation**

- To be fitted by trained competent personnel.
- The G1000C regulator must be installed with the arrow pointing in the direction of flow.
- Whilst the regulator will operate in any orientation, the best performance will be achieved if the regulator is mounted with the adjustment chimney vertical.
- Ensure all mating pipe-work has the appropriate standard B.S.21, or NPT taper thread.
- Clean and prepare pipe-work with a suitable gas jointing paste (PTFE tape is not recommended).
- Mount unit in position, do not over tighten threads.
- Test the system and regulator for leaks (a recommended pressure for such a test is 75mbar, do not exceed working limit of 350mbar.)

### **Commissioning**

- The regulator is factory adjusted to a specified outlet pressure.
- Ensure downstream pipe-work is shut off.
- Slowly open the inlet isolation valve.
- Purge downstream pipe-work.
- Check the outlet pressure of the regulator:  
The outlet pressure should be observed when the regulator is operating at half of maximum capacity.
- If the outlet pressure requires further adjustment:
  1. Break seal and remove the cap from the top of the regulator.
  2. Adjust screw slot (clockwise for increase in pressure.)  
(anti-clockwise for decrease in pressure.)
  3. Re-apply cap onto the top of the regulator and reseal.

### **Environmental**

- All elastomeric components are ozone resistant to BSEN 549.
- The operating temperature range for the regulator is -20°C to 60°C.
- It is not expected that the regulator will be mounted externally without additional environmental protection.

### **Changing The Spring**

- Break the lead seal and remove the top cap, then the spring adjuster by winding anti-clockwise.
- Remove the old spring and replace with the new spring.
- While monitoring the outlet pressure of the regulator at a suitable test point, with a suitable flow, replace the spring adjuster, winding clockwise until the desired outlet pressure is achieved.
- If appropriate, further commission the system during normal demand conditions, monitor the outlet pressure and adjust the regulator. Winding anticlockwise to reduce the outlet pressure and clockwise to increase the outlet pressure.
- Finally, replace the top cap and re-seal.

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