
INSTRUCTIONS MANUAL

For use with

BROMIC OXYGEN REGULATOR (1812020)

BROMIC ACETYLENE REGULATOR (1812023)

BROMIC LPG REGULATOR (1812026)



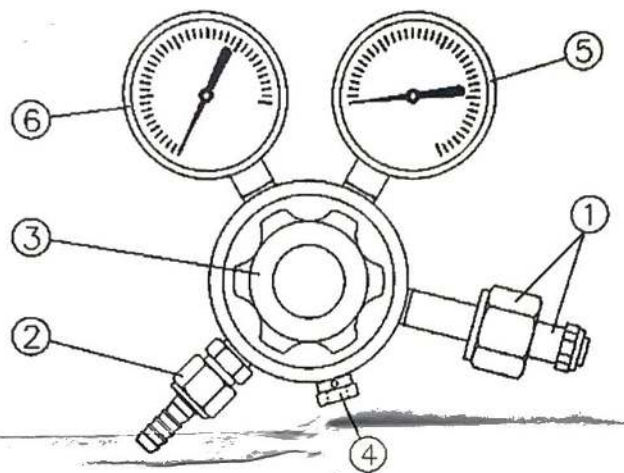
Read these instructions carefully before use.

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1. GENERAL DESCRIPTION

The Bromic Gas Regulators have been designed and manufactured to meet all relevant Australian Standards, particularly AS 4267 - Pressure regulators for use with industrial compressed gas cylinders. The Bromic regulators have been designed to connect to gas cylinders and regulate the pressure and/or flow to the required work pressure. Bromic regulators come with below items fitted:



- | | |
|-------------------------------|-----------------------------------|
| 1. Inlet Connection | 4. Relief Valve (if fitted) |
| 2. Outlet Connection | 5. High Pressure Gauge |
| 3. Pressure or Adjusting Knob | 6. Low Pressure Gauge (if fitted) |

2. SAFETY MEASURES

Always follow the below recommendations to ensure safe operation:



WARNING: Never use a regulator for gases and pressures other than those intended and marked by the manufacturer. Incorrect use may lead to serious injury or death



WARNING: Some gases coming in contact with oil or grease can cause it to explode violently. Do NOT use oil or grease or oily/greasy hands, gloves, rags etc. on the regulators.

- Regulators are NOT for use by children or persons who are incapacitated
- Always keep children away from work area
- Consult a medical professional regarding use of equipment under the influence of prescribed medication
- Do not use while under the influence of alcohol or illicit substances or unprescribed medication
- Always consult local regulation (e.g. work health and safety) regarding safe use of compressed gasses

1. Always ensure the work area is free of combustible materials, flammable materials and heat sources
2. Always work in a well-ventilated area
3. Never smoke or have an open flame during regulator operation
4. Never test a regulator for leaks using an open flame. Always use a suitable leak testing solution
5. Never use damaged regulators (such as to the inlet, outlet or gauges)
6. Never tamper or change the inlet and outlet fittings
7. Always keep the regulators clean (especially the inlet and outlet fittings) ensuring they are free from dust and foreign matter
8. Never use a leaking regulator or a regulator showing signs of creep. Note: Regulator creep is where the low-pressure gauge indicator keeps increasing when the regulator is connected to a cylinder and the outlet is shut off. Regulator creep of 35kPa is excessive.
9. Always ensure the regulator adjusting knob is fully unwound in an ANTI-clockwise direction before attaching to and opening the cylinder valve. Failure to do so can damage the internal components of the regulator
10. Always open the cylinder valves **SLOWLY**
11. Never stand in front of the regulator when opening the cylinder valve
12. Replace regulators after five (5) years in operation
13. Always attach flashback arrestors to the regulator outlets when using oxygen and fuel regulators in welding, cutting, heating and allied processes
14. Never use adaptors, washers or foreign components to force a connection with the cylinder
15. Always close the cylinder valve after each use

3. INSTRUCTIONS FOR USE

- It is the responsibility of the user to ensure the regulators are appropriate for use for the intended application
- Ensure cylinder valve and regulator inlet and outlet are clean and free from dust and foreign material
- Connect regulator to cylinder valve

Note: in general fuel gases such as Acetylene and LPG have a left-hand thread requiring counter clockwise rotation to attach to cylinders

- Connect downstream equipment to the regulator outlet
- Close downstream equipment valve

- Ensure regulator knob is fully wound in an ANTI-clockwise direction
- SLOWLY open the cylinder valve
- Adjust regulator knob until the low-pressure gauge shows a pressure of 100kPa
- Close cylinder valve and observe the regulator gauges for one minute. If the gauges show a drop in pressure there is a leak in the system. Check all connections (including on the regulator) using a suitable leak testing solution and tighten any leaking connections and repeat the leak test
- Do NOT use the regulator if a leak is detected in the regulator. Contact the distributor or Bromic immediately.
- Do NOT use downstream equipment if a leak is detected. Contact the equipment manufacturer immediately
- If no leaks are detected then the regulator is ready for use.

4. FAULT FINDING

- Check regulators for leaks and damage (especially the inlet o-rings) before every use. Do NOT use regulators if a leak or damage is observed
- Gauges not returning to zero reading or giving inconsistent readings should be replaced

5. REGULATOR SPECS

| Bromic Part No. | Gas. | Inlet Pressure | Max Outlet | Inlet Connection |
|-----------------|-----------|----------------|------------|------------------|
| 1812020 | Oxygen | 20,000 kPa | 1,000 kPa | Type 10 |
| 1812023 | Acetylene | 2,500 kPa | 150 kPa | Type 20 |
| 1812026 | LPG | 2,550 kPa | 400 kPa | Type 21 |