

Hobbyweld Oxygen Plus (Medium) Cylinder

The Hobbyweld Oxygen Plus (Medium) cylinder is a medium-capacity, rent-free industrial gas solution containing high-purity compressed oxygen. Designed for oxy-fuel cutting, gas welding, brazing, soldering and heating, oxygen increases flame temperature and combustion efficiency when used with an approved fuel gas such as acetylene or propane. The Plus cylinder provides substantially longer runtime than the Original size while remaining manageable for workshops, mobile engineers, garages, agricultural repair and regular fabrication work without ongoing cylinder rental costs.



Technical Specifications

Product Name: Hobbyweld Oxygen Plus (Medium) Cylinder

Gas Type: High-purity compressed industrial oxygen

Capacity: Approx. 20 litre cylinder

Gas Volume: Approx. 4 m³ at 200 bar

UN Number: UN 1072 – Oxygen, compressed

Hazard Class: Class 2.2 – Non-Flammable Gas; oxidising gas

Cylinder Material: Steel cylinder

Valve Type: BS3 oxygen outlet

Dimensions: Approx. height: 1,100 mm; Diameter: 175 mm

Pressure at 15°C: Approx. 200 bar

Connection: Standard Oxygen Regulator

Certification: Manufactured and filled to applicable UK gas-cylinder standards

Key Features

High-Purity Oxygen: Provides a reliable oxidising gas supply for approved oxy-fuel processes.

Enhanced Flame Performance: Increases flame temperature and supports faster cutting, heating and preheating.

Extended Runtime: The medium cylinder provides longer operating time than the Original size.

Versatile Use: Suitable for cutting, welding, brazing, silver soldering and workshop heating.

Rent-Free System: One-off refundable deposit with refill-as-needed exchange convenience.

Applications

Oxy-Fuel Cutting: Suitable for cutting mild and carbon steel with approved acetylene or propane equipment.

Gas Welding: Supports oxy-acetylene welding of suitable ferrous materials.

Brazing & Soldering: Ideal for brazing, silver soldering and controlled heating applications.

Workshop & Repair Work: Suitable for fabrication, automotive, agricultural, engineering and maintenance tasks.



Handling and Storage

Store the cylinder upright in a cool, dry and well-ventilated area.

Secure it during storage, use and transport to prevent falling, rolling or impact damage.

Keep away from combustible materials, heat sources and direct sunlight.

Keep the valve closed when not in use and use only clean, oxygen-compatible regulators, hoses and equipment.

Safety Precautions

Oxygen is not flammable, but it strongly supports combustion and can cause materials to ignite more easily and burn more intensely. Keep the cylinder, valve, regulator and fittings completely free from oil, grease and other contamination. Never use oxygen for cleaning clothing or equipment, tyre inflation, general pressurisation or ventilation. Use suitable regulators and flashback arrestors with oxy-fuel equipment, open the cylinder valve slowly and check all connections for leaks. Ensure adequate ventilation and avoid oxygen-enriched atmospheres. Safety Data Sheet (SDS) available on request.

Regulatory Compliance

The Hobbyweld Oxygen cylinder is manufactured, filled and tested in accordance with applicable UK compressed-gas, pressure-cylinder and dangerous-goods requirements. Users must follow relevant workplace safety, transport, storage and oxy-fuel regulations, together with the cylinder owner's and equipment manufacturers' instructions. Oxygen-compatible regulators, hoses, flashback arrestors and fittings must be used and kept completely free from oil, grease and contamination.

Environmental Impact

Oxygen is naturally present in the atmosphere and does not itself produce combustion emissions. However, unnecessary release should be avoided because oxygen enrichment can greatly increase fire risk. The refillable exchange-cylinder system supports repeated reuse and reduces waste compared with disposable cylinders. Return empty cylinders through the authorised exchange network for inspection and refilling.

Product Life Cycle and Maintenance

Expected Life Span: Determined by cylinder condition and statutory testing

Inspection Frequency: Visual check before each use; periodic testing by the cylinder owner

Maintenance: Store correctly, keep dry, protect from impact and keep the valve and fittings free from contamination

End of Life: Return through the authorised supplier exchange system





Instructions for Use

1. Fit a clean, compatible oxygen regulator and approved flashback arrestor to the BS3 right-hand oxygen outlet.
2. Secure the cylinder upright and inspect the regulator, hoses, torch and connections for damage, oil, grease or contamination.
3. Confirm all pressure controls are backed off, then open the cylinder valve slowly and check all connections for leaks.
4. Set the required pressure and operate the oxy-fuel equipment in accordance with the torch, nozzle and fuel-gas manufacturer's instructions.
5. After use, close the oxygen and fuel-gas cylinder valves, purge the system safely, release regulator pressure and store the cylinders securely upright.

Ordering and Exchange Information

Available through the Hobbyweld rent-free cylinder scheme with a refundable deposit and pay-as-you-go refills. The Plus (Medium) cylinder provides longer runtime than the Original size while remaining suitable for workshop and mobile use.

Empty Hobbyweld cylinders can be exchanged for a full equivalent cylinder through an authorised distributor.

Available for in-store collection and exchange from Fix and Weld.

Frequently Asked Questions (FAQs)

Q: What is Hobbyweld Oxygen Plus used for?

A: It is used with approved fuel gases for oxy-fuel cutting, gas welding, brazing, soldering and heating applications.

Q: What is the advantage of the Plus cylinder?

A: It provides approximately 4 m³ of oxygen for longer runtime than the Original cylinder while remaining manageable for regular workshop or mobile use.

Q: Why must oil and grease be kept away from oxygen equipment?

A: Oil, grease and many other materials can ignite violently in oxygen-rich conditions, so all valves, regulators and fittings must remain clean and uncontaminated.

Q: Do I need flashback arrestors?

A: Yes. Approved flashback arrestors should be fitted to oxy-fuel equipment in accordance with manufacturer guidance and applicable safety requirements.

Q: What regulator do I need?

A: Use a clean, oxygen-compatible regulator designed for the cylinder's BS3 right-hand outlet and working pressure.

Contact Information

For product enquiries, safety advice, or technical support, please contact Fix and Weld on Tel. 01453 756393 or sales@fixandweld.com

Legal Disclaimer

This datasheet is intended for guidance only. Users must comply with industrial gas regulations and manufacturer instructions.