



Hobbyweld Oxygen Original (Small) Cylinder

The Hobbyweld Oxygen Original (Small) cylinder is a compact, rent-free industrial gas solution containing high-purity compressed oxygen. Designed for use with compatible oxy-fuel equipment, it supports cutting, gas welding, brazing, soldering and heating applications by intensifying the combustion of acetylene, propane and other approved fuel gases. Its portable size makes it suitable for garages, fabrication workshops, agricultural maintenance, mobile engineers and hobby users who require dependable oxygen without ongoing cylinder rental costs.



Technical Specifications

Product Name: Hobbyweld Oxygen Original (Small) Cylinder

Gas Type: High-purity compressed industrial oxygen

Capacity: Approx. 9 litre cylinder

Gas Volume: Approx. 1.8-2.0 m³ at 200 bar

UN Number: UN 1072 - Oxygen, compressed

Hazard Class: Class 2.2 - Non-Flammable Compressed Gas

Cylinder Material: Steel cylinder

Valve Type: BS3 oxygen outlet

Dimensions: Approx. height: 860 mm; Diameter: 140 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 heat intensity when used with a compatible fuel gas.

Versatile Applications: Suitable for cutting, gas welding, brazing, soldering, heating and workshop maintenance.

Compact and Portable: The Original cylinder is easy to position in smaller workshops and mobile oxy-fuel sets.

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 joining steel, copper and compatible alloys using the correct consumables.

Heating & Maintenance: Useful for heat shaping, freeing seized fasteners and general repair work.





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 manufacturer's instructions. Only approved oxygen-compatible equipment and fittings should be used.

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: Keep clean and dry, protect from impact and prevent oil or grease contamination

End of Life: Return through the authorised supplier exchange system





Instructions for Use

1. Fit a compatible oxygen regulator and approved flashback arrestor to the BS3 oxygen outlet.
2. Secure the cylinder upright and inspect the regulator, hoses, torch and connections for damage or contamination.
3. Confirm all pressure controls are backed off, then open the cylinder valve slowly and check 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 Original (Small) cylinder is suitable for occasional users, mobile work and compact workshop setups.

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 Original used for?

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

Q: Can oxygen be used on its own for cutting or heating?

A: No. Oxygen supports combustion but is normally combined with a compatible fuel gas and correctly rated oxy-fuel equipment.

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 or high-pressure oxygen conditions.

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.

