

Hobbyweld CO₂ Original (Small) Cylinder

The Hobbyweld CO₂ Original (Small) cylinder is a compact, rent-free gas solution containing 100% carbon dioxide. Suitable for MIG welding mild steel, beverage dispense, purging, pressure testing and other workshop applications, CO₂ provides strong arc penetration and high heat transfer when used as a welding gas. Its portable 9 litre format is ideal for mobile welders, garages, small fabrication workshops, bars and users who need a dependable gas supply without ongoing cylinder rental charges.



Technical Specifications

Product Name: Hobbyweld CO₂ Original (Small) Cylinder

Gas Type: 100% Carbon Dioxide

Gas Purity: Beverage / industrial grade CO₂

Capacity: Approx. 9 litre water capacity

UN Number: UN 1013 – Carbon Dioxide

Hazard Class: Class 2.2 – Non-Flammable Gas

Cylinder Material: Steel cylinder

Valve Type: Standard CO₂ cylinder valve

Dimensions: Approx. height: 840 mm; Diameter: 160 mm

Pressure at 15°C: Approx. 137 bar

Connection: CO₂ Regulator

Certification: Manufactured and filled to applicable UK gas cylinder standards

Key Features

Pure CO₂ Supply: 100% carbon dioxide suitable for welding, beverage and workshop applications.

Strong Welding Performance: Provides high heat input and deep penetration when MIG welding mild steel.

Multi-Purpose Use: Suitable for beverage dispense, purging, blanketing and pressure-testing duties.

Compact Cylinder: Portable Original size for mobile, workshop and space-limited environments.

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

Applications

MIG Welding: Suitable for mild steel, particularly thicker sections requiring strong penetration.

Beverage Dispense: Suitable for beer, cider, post-mix soft drinks and carbonated-water systems where pure CO₂ is specified.

Purging & Blanketing: Useful for displacing air from suitable equipment, vessels and pipe systems.

Pressure Testing: Suitable for approved low-risk testing applications using compatible equipment and procedures.



Handling and Storage

Store upright in a cool, dry and well-ventilated area. Secure the cylinder during storage, transport and use to prevent it falling or rolling. Keep away from direct heat, sunlight and sources of physical damage. Close the valve when not in use and use only compatible CO₂ regulators, hoses and fittings. Do not store in confined or poorly ventilated spaces where released gas could accumulate.

Safety Precautions

Carbon dioxide is non-flammable, but the cylinder contains gas under high pressure. Escaping CO₂ can displace oxygen and create an asphyxiation hazard, especially in confined spaces. Do not use damaged, leaking or heavily corroded cylinders. Open the valve slowly, check all connections for leaks and never use oil or grease on the valve, regulator or fittings. Safety Data Sheet (SDS) available on request.

Regulatory Compliance

The cylinder is manufactured, filled and tested in accordance with applicable UK compressed-gas and pressure-cylinder requirements. Users must follow relevant workplace safety, transport, storage, beverage-gas and welding regulations, together with the cylinder owner's instructions and equipment manufacturer guidance.

Environmental Impact

The cylinder is part of a refillable exchange system, reducing packaging waste and supporting repeated reuse. Carbon dioxide is a greenhouse gas, so unnecessary release should be avoided. Return empty cylinders through the authorised exchange network for inspection, refilling and continued use.

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 and protect from impact damage

End of Life: Return through the authorised supplier exchange system

Instructions for Use

1. Connect a compatible CO₂ regulator with the correct 0.860" × 14 TPI right-hand fitting.
2. Secure the cylinder upright and check that the regulator, hose and connected equipment are in good condition.
3. Open the cylinder valve slowly and check all connections for leaks using an approved leak-detection solution.
4. Set the pressure or flow rate recommended for the welding, beverage or industrial application.
5. After use, close the cylinder valve, release downstream pressure where appropriate and store the cylinder securely upright.





Ordering and Exchange Information

Available through the Hobbyweld rent-free cylinder system with a refundable deposit and pay-as-you-go refills. 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 CO₂ Original used for?

A: It can be used for MIG welding mild steel, beverage dispense, purging, pressure testing and other compatible workshop applications.

Q: Is pure CO₂ suitable for MIG welding?

A: Yes. It is commonly used for mild steel and provides strong penetration, although it can produce more spatter than argon-rich mixed gases.

Q: Can this cylinder be used for beer and soft-drink dispense?

A: Yes, provided the beverage system is designed for pure food-grade CO₂ and uses the correct regulator and fittings.

Q: What regulator do I need?

A: Use a compatible CO₂ regulator designed for the cylinder's 0.860" × 14 TPI right-hand outlet and working pressure.

Q: Is the cylinder rent-free?

A: Yes. It is supplied through a refundable deposit and exchange system with no ongoing cylinder rental charge.

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.

