

Hobbyweld Acetylene Plus (Medium) Cylinder

The Hobbyweld Acetylene Plus (Medium) cylinder is a medium-capacity, rent-free fuel gas solution containing high-purity acetylene for oxy-fuel welding, brazing, silver soldering, cutting and heating. Acetylene delivers an exceptionally hot, concentrated flame when used with oxygen, providing rapid heat input and precise control for fabrication, repair and maintenance work. The Plus cylinder balances longer runtime with manageable portability, making it suitable for workshops, mobile engineers, agricultural repair, garages and serious hobby users without ongoing cylinder rental costs.



Technical Specifications

Product Name: Hobbyweld Acetylene Plus (Medium) Cylinder

Gas Type: High-purity industrial acetylene

Capacity: Nominal 10 litre water capacity

Gas Volume: Approx. 1.54 m³ acetylene

UN Number: UN 1001 – Acetylene, dissolved

Hazard Class: Class 2.1 – Flammable Gas

Cylinder Material: Steel cylinder containing porous mass and solvent

Valve Type: Acetylene cylinder valve

Dimensions: Approx. height: 895 mm; Diameter: 140 mm

Full Weight: Approx. 17 kg

Maximum Service Pressure: Approx. 17.5 bar

Connection: Standard Acetylene Regulator

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

Key Features

High Flame Temperature: Produces an intense oxy-acetylene flame for rapid and efficient heating.

Precise Heat Control: Suitable for controlled welding, brazing and silver-soldering applications.

Versatile Fuel Gas: Supports welding, cutting, heating, bending and workshop maintenance tasks.

Medium Capacity: Provides longer runtime than the Original cylinder while remaining portable.

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

Applications

Oxy-Acetylene Welding: Suitable for thin to medium-gauge ferrous metals.

Brazing & Silver Soldering: Ideal for pipework, fabrication and repair work.

Cutting & Gouging: Suitable for thermal cutting of mild-steel sections using compatible equipment.

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



Handling and Storage

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

Secure the cylinder during storage, use and transport to prevent it falling, rolling or being struck.

Keep away from heat, sparks, flames, electrical equipment and all other ignition sources.

Do not store or transport the cylinder horizontally. If it has been laid down, follow the supplier's instructions before use.

Keep the valve closed when not in use and fit only compatible acetylene regulators and oxy-fuel equipment.

Safety Precautions

Acetylene is extremely flammable and forms explosive mixtures with air. Keep all ignition sources away and never smoke near the cylinder.

Always fit suitable flashback arrestors and non-return valves to the oxygen and fuel-gas lines.

Never use oxygen, compressed air or other gases to pressure-test acetylene equipment. Open the cylinder valve slowly and do not open it more than necessary for rapid emergency shut-off.

Do not use damaged, leaking, overheated or heavily corroded cylinders. If a leak cannot be stopped safely, isolate the area, remove ignition sources and contact the supplier or emergency services.

Ensure adequate ventilation and follow the equipment manufacturer's lighting, shutdown and purging procedures. Safety Data Sheet (SDS) available on request.

Regulatory Compliance

The 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 instructions. Only approved acetylene equipment, regulators, hoses and flashback arrestors should be used.

Environmental Impact

The cylinder is part of a refillable exchange system, reducing packaging waste and supporting repeated reuse. Acetylene combustion produces carbon dioxide and water, so unnecessary gas release and prolonged flame use should be avoided. Empty cylinders must be returned through the authorised exchange network for inspection, testing and refilling; they must not be vented, scrapped or disposed of by the user.





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 upright, keep dry, protect from impact and do not tamper with the valve

End of Life: Return through the authorised supplier exchange system

Instructions for Use

1. Fit a compatible acetylene regulator and approved flashback arrestor to the cylinder outlet.
2. Secure the cylinder upright and check the regulator, hoses, torch and connections for damage.
3. Open the cylinder valve slowly, normally no more than one to one-and-a-half turns, and check for leaks.
4. Set the required working pressure and use only with correctly matched oxygen/fuel equipment and nozzles.
5. After use, close both cylinder valves, purge the hoses safely, release regulator pressure and store 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 offers longer runtime than the Original size while remaining manageable 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 Acetylene Plus used for?

A: It is used with oxygen for gas welding, brazing, silver soldering, cutting, heating and metal-maintenance work.

Q: What regulator connection does the cylinder use?

A: It uses a 5/8" BSP left-hand female acetylene outlet and requires a compatible acetylene regulator.

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: Can the cylinder be stored or transported horizontally?

A: No. Keep it upright and secured so the solvent and porous mass remain stable. Follow supplier transport guidance.

Q: Is the Plus cylinder rent-free?

A: Yes. It is supplied through a 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.

