

Hobbyweld Acetylene Ultra (Large) Cylinder

The Hobbyweld Acetylene Ultra (Large) cylinder is the highest-capacity, rent-free acetylene cylinder in the Hobbyweld range. It supplies high-purity acetylene for oxy-fuel welding, cutting, brazing, silver soldering, heating and thermal maintenance. When used with oxygen, acetylene produces an exceptionally hot, concentrated flame for rapid heat input, deep cutting performance and precise control. The Ultra cylinder provides maximum runtime for fabrication workshops, engineering facilities, agricultural repair, automotive work, mobile contractors and other high-demand users without ongoing cylinder rental costs.



Technical Specifications

Product Name: Hobbyweld Acetylene Ultra (Large) Cylinder

Gas Type: High-purity industrial acetylene

Capacity: 15.9 litre water capacity

Gas Volume: Approx. 2.89 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: EN 561 quick-action acetylene valve

Dimensions: Approx. height: 875 mm; Diameter: 200 mm

Full Weight: Approx. 29 kg

Maximum Service Pressure: Approx. 17.5 bar

Connection: Hobbyweld Acetylene Quickfit

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

Key Features

Maximum Runtime: The largest acetylene cylinder in the Hobbyweld range for extended cutting, heating and welding tasks.

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

Precise Heat Control: Supports clean welding, brazing, silver soldering and controlled heating.

Quick-Action Connection: EN 561 outlet provides a fast and secure compatible regulator connection.

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

Applications

Oxy-Acetylene Cutting: Suitable for cutting mild-steel sections and continuous high-demand work.

Welding & Brazing: Ideal for oxy-acetylene welding, heavy brazing and silver soldering.

Heating & Straightening: Useful for preheating, thermal straightening, bending and freeing seized components.

Professional & Mobile Use: Suitable for fabrication, engineering, agricultural repair, plant maintenance and site contractors.



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 regulators, hoses, flashback arrestors and compatible EN 561 equipment 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 EN 561 acetylene regulator and approved flashback arrestor to the cylinder outlet.
2. Secure the cylinder upright and inspect the regulator, hoses, torch and connections for damage.
3. Open the cylinder valve slowly and check all joints for leaks using an approved leak-detection solution.
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 Ultra (Large) cylinder provides the longest acetylene runtime in the range and is intended for professional and high-demand users. 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 Ultra used for?

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

Q: What connection does the Ultra cylinder use?

A: It uses an EN 561 quick-action acetylene outlet and requires a compatible regulator and connector.

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 Ultra 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.

