



Hobbyweld Argon Ultra (Large) Cylinder

The Hobbyweld Argon Ultra (Large) cylinder is the highest-capacity, rent-free argon shielding gas option in the Hobbyweld range. Filled with 99.998% high-purity argon (Grade 4.8), it provides a clean, inert atmosphere for TIG welding, MIG aluminium welding and precision fabrication. Its large capacity supports extended welding cycles and reduces downtime, making it ideal for professional fabrication shops, engineering facilities, motorsport workshops and other high-demand environments without ongoing cylinder rental costs.



Technical Specifications

Product Name: Hobbyweld Argon Ultra (Large) Cylinder

Gas Type: High-purity inert argon shielding gas

Capacity: Approx. 20 litre water capacity

UN Number: UN 1006 - Argon, compressed

Hazard Class: Class 2.2 - Non-Flammable Gas

Cylinder Material: Steel cylinder

Valve Type: Argon / inert-gas cylinder valve

Dimensions: Approx. height: 1,050-1,100 mm; Diameter: 200 mm

Fill Pressure: Typically 200-300 bar, depending on cylinder specification

Connection: Hobbyweld Inert Quickfit

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

Key Features

High-Purity Argon: 99.998% argon provides a clean, inert shielding atmosphere for precision welding.

Stable Arc Performance: Supports excellent arc stability, smooth weld-pool control and consistent results.

Reduced Contamination: Helps minimise oxidation, porosity and atmospheric contamination in the weld zone.

Extended Runtime: Large cylinder capacity reduces exchanges and downtime in high-demand environments.

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

Applications

TIG Welding: Suitable for stainless steel, aluminium, carbon steel, titanium and other compatible metals.

MIG Aluminium Welding: Provides effective shielding when used with the correct aluminium wire and welding parameters.

Precision Fabrication: Ideal for motorsport, engineering, custom metalwork and high-quality production work.

Professional & Industrial Use: Suitable for busy workshops and continuous welding applications requiring maximum runtime.



Handling and Storage

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

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

Keep away from heat, direct sunlight and sources of physical damage.

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

Safety Precautions

Argon is non-flammable, but the cylinder contains gas under high pressure.

Do not use cylinders that are damaged, leaking, heavily corroded or have a defective valve.

Open the valve slowly and check all regulator and hose connections for leaks before welding.

Ensure adequate ventilation, as released argon can displace oxygen and create an asphyxiation risk in confined spaces.

Do not allow oil or grease to contact the valve, regulator or fittings.

Safety Data Sheet (SDS) available on request.

Regulatory Compliance

The Hobbyweld Argon 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 and welding regulations, together with the cylinder owner's instructions. The cylinder label and valve connection must always be checked before use.

Environmental Impact

The cylinder is part of a refillable exchange system, reducing packaging waste and supporting repeated reuse. Argon is naturally present in the atmosphere and produces no combustion by-products during normal welding use, although unnecessary release should be avoided. 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 and protect from impact damage

End of Life: Return through the authorised supplier exchange system





Instructions for Use

1. Connect a compatible argon or inert-gas regulator with the correct outlet fitting for the supplied cylinder.
2. Secure the cylinder upright and check that the regulator, hose and welding torch are in good condition.
3. Open the cylinder valve slowly and check all connections for leaks using an approved leak-detection method.
4. Set the shielding-gas flow to suit the welding process, typically around 6-12 L/min for TIG or 10-14 L/min for MIG, then adjust for the torch, joint and working conditions.
5. Close the cylinder valve after use, release downstream pressure, back off the regulator and store the cylinder securely.

Ordering and Exchange Information

Available through a rent-free cylinder system with a refundable deposit and pay-as-you-go refills. The Ultra cylinder offers the longest runtime in the Hobbyweld argon range, making it suitable for professional and high-volume 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 Argon Ultra used for?

A: It is primarily used for TIG welding, MIG welding aluminium and precision fabrication where a clean, inert shielding atmosphere is required.

Q: What is the advantage of the Ultra cylinder?

A: Its larger capacity provides extended runtime and fewer cylinder exchanges, making it suitable for professional and high-demand welding environments.

Q: Can I use argon for TIG welding stainless steel and aluminium?

A: Yes. High-purity argon is commonly used for TIG welding stainless steel, aluminium and many other metals.

Q: What gas flow rate should I use?

A: A typical starting point is around 6-12 L/min for TIG or 10-14 L/min for MIG, adjusted for the torch, joint, environment and welding conditions.

Q: What regulator do I need?

A: Use a compatible argon or inert-gas welding regulator designed for the cylinder's outlet connection 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.

