# Hobbyweld Argon Original (Small) Cylinder

The Hobbyweld Argon Original (Small) cylinder is a compact, rent-free shielding gas solution containing 99.998% high-purity argon (Grade 4.8). Designed for TIG welding and MIG welding aluminium, it provides a smooth, stable arc, excellent weld-pool control and a clean, inert shielding atmosphere that helps minimise oxidation, porosity and contamination. Its portable size makes it suitable for professional fabricators, automotive workshops, light engineering, mobile welders and home workshops without ongoing cylinder rental costs.

## Technical Specifications

**Product Name:** Hobbyweld Argon Original (Small) Cylinder
**Gas Type:** High-purity inert argon shielding gas
**Gas Purity:** 99.998% Argon (Grade 4.8)
**Capacity:** Approx. 9 litre water capacity
**Gas Volume:** Approx. 1.23 m³ at 137 bar
**UN Number:** UN 1006 – Argon, compressed
**Hazard Class:** Class 2.2 – Non-Flammable Gas
**Cylinder Material:** Steel cylinder
**Valve Type:** Inert gas cylinder valve
**Dimensions:** Approx. height: 840 mm; Diameter: 160 mm
**Pressure at 15°C:** Approx. 137 bar
**Connection:** Standard Inert Gas Regulator
**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 smooth arc starting, consistent control and reliable weld-pool protection.
**Reduced Contamination:** Helps minimise oxidation, porosity and atmospheric contamination during welding.
**Versatile Welding Gas:** Suitable for TIG welding and MIG welding aluminium with the correct equipment and consumables.
**Rent-Free System:** One-off refundable deposit with refill-as-needed exchange convenience.

## Applications

**TIG Welding:** Suitable for stainless steel, aluminium, carbon steel and other compatible metals.
**MIG Aluminium Welding:** Provides inert shielding when used with suitable aluminium wire, torch setup and parameters.
**Precision Fabrication:** Ideal for motorsport, custom metalwork, light engineering and high-quality visible welds.
**Automotive & Workshop Use:** Suitable for repairs, restoration, maintenance and home or professional welding setups.

## 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 must always be checked before connection and 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 5/8" BSP right-hand fitting.
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 environment.
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.
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 used for?**

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

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

**A:** Yes. Pure argon is commonly used for TIG welding stainless steel, mild steel and aluminium, subject to the welding procedure and equipment manufacturer's guidance.

**Q: Can I use this gas for MIG welding mild steel?**

**A:** Pure argon is generally not recommended for conventional MIG welding mild steel. A suitable argon and carbon-dioxide shielding-gas mixture is normally preferred.

**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, material and welding environment.

**Q: What regulator do I need?**

**A:** Use a compatible argon or inert-gas welding regulator designed for the cylinder's 5/8" BSP right-hand female 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.