



Hobbyweld Nitrogen Plus (Medium) Cylinder

The Hobbyweld Nitrogen Plus (Medium) cylinder is a medium-capacity, rent-free compressed-gas solution containing high-purity nitrogen. Clean, dry and inert, it is suitable for refrigeration and HVAC pressure testing, leak detection, system purging, automotive tyre inflation, industrial blanketing and general engineering work. The Plus cylinder provides longer runtime than the Original size while remaining manageable for field engineers, workshops, garages and contractors who require dependable nitrogen supply without ongoing cylinder rental costs.



Technical Specifications

Product Name: Hobbyweld Nitrogen Plus (Medium) Cylinder

Gas Type: High-purity compressed nitrogen

Capacity: Approx. 20 litre water capacity

Gas Volume: Approx. 4 m³ at 200 bar

UN Number: UN 1066 - Nitrogen, compressed

Hazard Class: Class 2.2 - Non-Flammable Gas

Cylinder Material: Steel cylinder

Valve Type: BS3 inert-gas outlet

Dimensions: Approx. height: 1,100 mm; Diameter: 175 mm

Pressure at 15°C: Approx. 200 bar

Connection: Standard Inert Gas Regulator

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

Key Features

Clean, Dry Nitrogen: Moisture-free inert gas suitable for testing, purging and blanketing.

Reliable Pressure Testing: Supports accurate leak and strength testing of refrigeration, HVAC and pipework systems.

Non-Reactive Performance: Helps prevent oxidation, corrosion and contamination inside systems.

Extended Runtime: The medium cylinder provides longer use between exchanges than the Original size.

Rent-Free System: One-off refundable deposit with pay-as-you-go exchange refills.

Applications

Refrigeration & HVAC: Pressure testing, leak detection, purging and commissioning of systems.

Automotive Use: Nitrogen tyre inflation and air-conditioning system purging.

Industrial & Engineering: Purging, blanketing, pressure testing and system-integrity checks.

Laboratory Use: Suitable for applications requiring a clean, dry and non-reactive atmosphere.





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 excessive heat, direct sunlight and sources of physical damage.

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

Safety Precautions

Nitrogen is non-flammable and non-toxic, but it can displace oxygen and create an asphyxiation hazard, particularly in confined or poorly ventilated spaces.

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

Open the valve slowly and check all regulator, hose and connection points for leaks before use.

Use equipment rated for the cylinder pressure and never use oil, grease or unauthorised adaptors on the valve.

Safety Data Sheet (SDS) available on request.

Regulatory Compliance

The Hobbyweld Nitrogen 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, refrigeration and pressure-testing regulations, together with the cylinder owner's instructions.

Environmental Impact

Nitrogen is naturally present in the atmosphere and does not produce combustion emissions during normal use. However, unnecessary release should be avoided, particularly in enclosed areas where it can reduce oxygen levels. The refillable cylinder exchange system supports repeated reuse and reduces packaging waste. Return empty cylinders through the authorised exchange network.

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 nitrogen or inert-gas regulator with the correct BS3 fitting.
2. Secure the cylinder upright and confirm that the regulator, hoses and test equipment are in good condition.
3. Open the cylinder valve slowly and check all connections for leaks.
4. Set the required pressure or flow in accordance with the equipment and system manufacturer's instructions.
5. After use, close the cylinder valve, release downstream pressure safely and store the cylinder securely upright.

Ordering and Exchange Information

Available through a rent-free cylinder system with a refundable deposit and pay-as-you-go refills. The Plus (Medium) cylinder offers extended runtime for professional and regular use while remaining practical to transport and handle.

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 Nitrogen Plus used for?

A: It is commonly used for refrigeration and HVAC pressure testing, leak detection, system purging, tyre inflation and general industrial applications.

Q: What is the advantage of the Plus cylinder?

A: It provides approximately 4 m³ of gas, giving longer runtime than the Original cylinder while remaining portable.

Q: Can nitrogen be used to pressure-test refrigeration systems?

A: Yes. Use dry nitrogen with correctly rated test equipment and follow the equipment manufacturer's pressure limits and procedures.

Q: Is nitrogen safe to use indoors?

A: It may be used indoors only where adequate ventilation is provided. Escaping nitrogen can displace oxygen and cause asphyxiation.

Q: What regulator do I need?

A: Use a compatible nitrogen or inert-gas regulator designed for the cylinder's BS3 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.

