



Luxfer

Gas Cylinders



Cylinder care

for **responsible** paintballers!

CAUTION: Before you fill or use your paintball cylinder, carefully read and understand the contents of this leaflet.

before you use or have your cylinder filled, remember!

Always...

- ✓ have the cylinder inspected and/or hydrostatically retested if it shows signs of corrosion, gouges, indents, bulges, heat damage or if it has been dropped or otherwise damaged.
- ✓ check for leaks before each use. In the unlikely event that a leak is detected, under no circumstances should the cylinder be re-filled.
- ✓ verify that the cylinder to be filled with air has a working pressure (PW) stamped on the crown (for all aluminium cylinders) or printed on the label (for composite cylinders) that will not be exceeded by the filling apparatus.
- ✓ have compressed air filled at less than 40 bar (600 psig) per minute to the stamped working pressure (PW) of the cylinder.
- ✓ have CO₂ cylinders filled by weight and do not exceed the stamped fill weight of the cylinder (see cylinder markings).

Never...

- ✗ ask for the cylinder to be filled beyond its rated capacity. Overfilling is dangerous.
- ✗ use or have your cylinder filled if it leaks or there is suspected damage. In these cases, take the cylinder to an authorised cylinder re-tester for a thorough visual inspection.
- ✗ fill a CO₂ cylinder that has the safety relief device altered in any manner.
- ✗ fill a cylinder that is outside its periodic inspection and retest period.
- ✗ modify your cylinder in any way or add attachments that are not authorised. Unauthorised modifications are illegal and could render the cylinder dangerous.

take care of your cylinder and it will give you years of safe use!

Always...

- ✓ keep the threads and inside of your cylinder dry and free from oil, dirt or other contaminants.
- ✓ make sure that your cylinder is within its retest period. Cylinders must be inspected and hydrostatically tested as follows:

Aluminium Cylinders - Every 10 Years.

Composite Cylinders - Every 5 Years*

(note: composite cylinders have a maximum life of 15 years from the first hydrostatic test).

*Subject to national regulations.

- ✓ keep the outside of your cylinder clean, using only mild soap or a neutral detergent cleaning solution when necessary. Ensure the cylinder is thoroughly dried after cleaning.
- ✓ store in a cool, dry area with adequate ventilation.
- ✓ have your cylinder serviced by trained personnel only.
- ✓ make sure that any and all cylinder attachments are maintained, serviced, inspected and handled in strict accordance with their manufacturer's instructions.

Never...

- ✗ alter or obscure the cylinder markings.
- ✗ allow your cylinder to roll around while travelling.
- ✗ drop, strike or heat your cylinder.
- ✗ expose your cylinder to excessive heat (see temperature guidelines under "Warnings").
- ✗ attempt to modify the threads or force a valve into the cylinder.
- ✗ attempt to remove metal from the cylinder by any means as it will render the cylinder unsuitable for the rated pressure containment.
- ✗ modify your cylinder by adding extra openings for gauges or filling ports.
- ✗ re-paint the cylinder with paints that require stoving at elevated temperatures. Only use air drying paints. Do not use caustic paint strippers or corrosive cleaners as they will damage the cylinder.
- ✗ use the cylinder for anything other than its intended purpose.

know the responsible paintball player code!

“As a responsible paintball player, I understand and assume all the risks I may encounter while playing paintball”

My responsible paintball playing duties include:

- 1** Playing within the limits of my ability.
- 2** Treating every marker as if it was loaded and never pointing the marker at anything I don't wish to shoot.
- 3** Keeping the marker on "safe" until ready to shoot.
- 4** Keeping the barrel sock in the marker's nozzle when not shooting.
- 5** Always removing gas source before disassembly.
- 6** Storing the marker unloaded and de-gassed in a locked place.
- 7** Following warnings listed on the gas source for handling and storage.
- 8** Not shooting fragile objects such as windows.
- 9** Not shooting porous surfaces.
- 10** Always wearing eye, face and ear protection designed specifically for paintball.
- 11** Never shooting a person who is not wearing proper protection.
- 12** Never shooting at velocities in excess of 90 metres (300 feet) per second.
- 13** Accepting responsibility for my own safety in every game.
- 14** Being environmentally conscious in every game.



important information about your cylinder!

Please read the following information carefully. Understand and remember these warnings. This information could save your life and the lives of others.

WARNING: Improper use, filling, storage, disposal or failure to follow instructions may result in property damage, serious personal injury or death!

NEVER alter or modify the cylinder in any way.

NEVER expose a filled, or partially filled, aluminium or composite cylinder to temperatures exceeding 50°C.

NEVER expose an un-pressurised aluminium cylinder to temperatures exceeding 120°C.

WARNING: If you suspect that an aluminium cylinder has been heated to temperatures between 120°C and 150°C, it **MUST** be hydrostatically retested before further use. Aluminium cylinders exposed to or with evidence of exposure to heat in excess of 150°C degrees **MUST** be condemned and removed from service.

NEVER expose an un-pressurised composite cylinder to temperatures exceeding 56°C.

WARNING: If you suspect that a composite cylinder has been heated to temperatures of 56°C or more, it **MUST** be hydrostatically retested and fully re-qualified before further use. Composite Cylinders exposed to or with evidence of exposure to heat in excess of 72°C degrees **MUST** be condemned and removed from service.

NEVER overfill or have your cylinder filled beyond its rated capacity. Overfilling may result in property damage and/or personal injury.

NEVER tamper with or alter the cylinder valve, safety relief device or other cylinder attachments.

WARNING: Activation of safety device in overfilled cylinders can result in property damage and/or personal injury!

NEVER use for applications other than paintball.

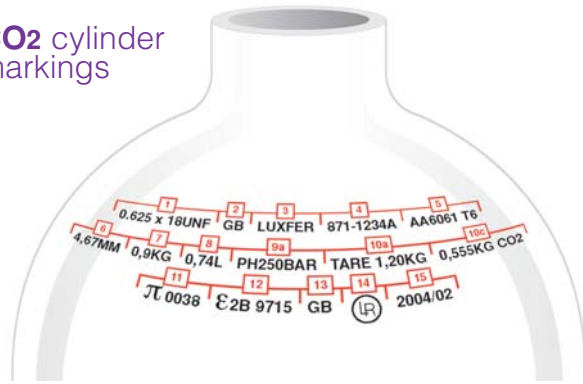
NEVER use caustic paint strippers or corrosive cleaners as they will damage the cylinder. Only use air-drying paints.

NEVER use heat-activated paint (such as baked enamel or powder coatings) on your cylinder. Use air drying paints.

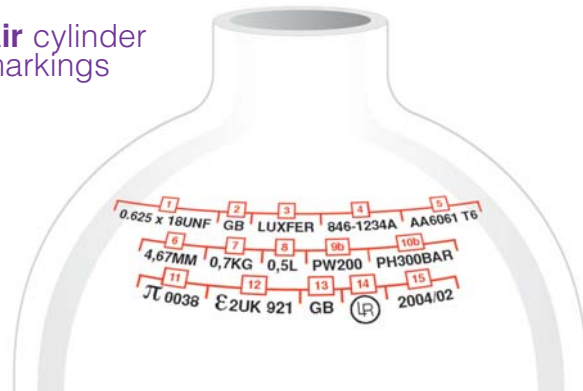
cylinder markings

For further information on cylinder marking (including composite cylinders), please see our website www.luxfercylinders.com

CO₂ cylinder markings



Air cylinder markings



- 1 **0.625 x 18 UNF** = Thread Specification – Important to ensure the correct valve is used with your cylinder.
- 2 **GB** = Country of Manufacture.
- 3 **LUXFER** = Cylinder Manufacturer.
- 4 **871...** = Cylinder Type Number and Serial Number. This number is recorded by Luxfer which means, if necessary, the entire manufacturing history of your cylinder can be traced.
- 5 **AA6061 T6** = Alloy of Construction.
- 6 **4,67MM** = Design Minimum Wall Thickness.
- 7 **0,9KG** = Empty Weight of Cylinder Only (kg).
- 8 **0,74L** = Minimum Internal Capacity of Cylinder (Litres).
- 9a **PH 250 BAR** = (Test Pressure) Shows the pressure that the cylinder should be tested to. *This must NOT be exceeded.*
- 9b **PW 200 BAR** = (Working Pressure) Shows the pressure that the cylinder should be filled to. *This must NOT be exceeded.*
- 10a **TARE 1,20KG** = Empty Weight of Cylinder and Valve (kg).
- 10b **PH 300 Bar** = (Test Pressure) Shows the pressure that the cylinder should be tested to. *This must NOT be exceeded.*
- 10c **0,555KG CO₂** = Maximum Charge Weight (kg).
- 11 **JL 0038** = Mark of Conformity to Transportable Pressure Equipment Directive (TPED) 1999/36/EC and Reference Number of TPED Notified Body.
- 12 **E2B 9715** = Pattern Approval Number.
- 13 **GB** = Country of Approval for mark 11.
- 14 **(LR)** = Authorised Stamp of TPED Notified Body.
- 15 **2004/02** = Year followed by month of initial test.

Fill out your details and keep as a reference when re-testing or filling your cylinder.

DATE PURCHASED:	CHARGED PRESSURE:
PURCHASED FROM:	TEST PRESSURE:
SERIAL NO:	ORIGINAL TEST DATE:
CAPACITY:	THREAD SIZE:

Thank you for purchasing a Luxfer paintball cylinder. Great care has gone into its design and manufacture to produce a safe cylinder, and if you follow the care and maintenance requirements contained in this leaflet, the cylinder will provide you with many years of safe trouble free use.

Distributed by:



If you have any questions concerning your Luxfer paintball cylinder, please either visit our website at www.luxfercylinders.com or contact customer services on **+44 (0)115 980 3800**.

Stay ahead of the game!

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