



**Luxfer**

Gas Cylinders

Composite  
cylinder  
**care**

for **responsible** paintballers!

# Before you use

or fill your composite cylinder, **remember:**

## Always...

- ✓ Always have your cylinder inspected or retested if it shows signs of gouges, dents, cuts, bulges or heat damage or if it has been dropped or otherwise damaged.
- ✓ Always check for leaks before each use. In the unlikely event that you detect a leak, do not refill the cylinder!
- ✓ Always verify that a composite cylinder to be filled with air has a working (charge) pressure printed on the label, and then make sure that the filling apparatus does not exceed that working (charge) pressure.
- ✓ Always have compressed air filled at less than 600 psig (40 bar) per minute to the stamped working pressure (PW) of the cylinder. Fast filling can cause overfilling!
- ✓ Always handle your cylinder with care. Avoid dropping it or banging it against hard surfaces, including when you're out on the paintball field.

## Never...

- ✗ Never ask for the cylinder to be filled beyond its rated capacity (charge pressure). *Overfilling is dangerous!*
- ✗ Never use or have your cylinder filled if it leaks or if damage is suspected. Take the cylinder to an authorized cylinder inspector for a thorough inspection.
- ✗ Never alter the safety release device on your cylinder, and never fill a cylinder on which the safety release device has been altered in any way.
- ✗ Never fill a cylinder that is outside its periodic inspection and retest period (cylinders must be retested and requalified every five years, starting from the original test date shown on the cylinder).
- ✗ Never modify your cylinder in any way or add attachments that are not authorized. Unauthorized modifications are illegal and could make the cylinder dangerous. Such modifications will also void your cylinder warranty.

# Take care of your cylinder, and it will give you years of safe use!

## Always...

- ✓ Always keep the threads and inside of your cylinder dry and free from oil, dirt and other contaminants.
- ✓ Always make sure that your cylinder is within its retest period. Cylinders must be inspected and requalified, including hydrostatic retesting, every five years. (Note: composite cylinders have a maximum life of 15 years from the first hydrostatic test).
- ✓ Always keep the outside of your cylinder clean, using only mild soap or a neutral detergent solution when necessary. Thoroughly dry the cylinder after cleaning.
- ✓ Always store your cylinder in a cool, dry area with adequate ventilation.
- ✓ Always have your cylinder serviced only by trained personnel.
- ✓ Always make sure that any authorized cylinder attachments are maintained, serviced, inspected and handled in strict accordance with their manufacturer's instructions.

## Never...

- ✗ Never alter or obscure cylinder markings.
- ✗ Never allow your cylinder to roll around while traveling.
- ✗ Never drop, strike or heat your cylinder.
- ✗ Never expose your cylinder to excessive heat (see temperature guidelines under "Warnings").
- ✗ Never attempt to modify threads or force a valve into your cylinder.
- ✗ Never remove material from the exterior of your cylinder by sanding, scraping or any other means. Doing so could make the cylinder unsuitable for the rated pressure.
- ✗ Never modify your cylinder by adding extra openings for gauges or filling ports.
- ✗ Never repaint your cylinder with paints that must be heated. Use only air-drying paints. Never use caustic paint strippers or corrosive cleaners that could damage the cylinder.
- ✗ Never 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 were loaded and never pointing it at anything I don't wish to shoot.
- 3** Keeping the marker on "safe" until I'm ready to shoot.
- 4** Keeping the barrel sock in the marker's nozzle when not shooting.
- 5** Always removing the gas source before disassembly.
- 6** Storing the marker unloaded and empty of gas in a locked place.
- 7** Following warnings about handling and storage shown on the gas source.



- 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 300 feet (90 meters) per second.
- 13** Accepting responsibility for my own safety in every game.
- 14** Being environmentally conscious in every game.



# Important information about your paintball 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 your cylinder in any way.

**NEVER** expose a filled or partially filled composite cylinder to temperatures exceeding 120°F (49°C).

**NEVER** expose an unfilled (unpressurized) composite cylinder to temperatures exceeding 130°F (54°C).

**WARNING:** *If you suspect that a composite cylinder has been heated to temperatures of 130°F (54°C) or more, it MUST be hydrostatically retested and fully requalified before further use. Composite cylinders exposed to or showing evidence of exposure to heat in excess of 160°F (71°C) MUST be condemned and removed from service.*

**NEVER** overfill or have your cylinder filled beyond its rated capacity. *Overfilling is dangerous and 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 a safety relief device in an overfilled cylinder can result in property damage and personal injury!*

**NEVER** use your composite cylinder for applications other than paintball.

**NEVER** use caustic paint strippers or corrosive cleaners that can damage your cylinder.

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

# Cylinder markings

**TC-SU 5134 310**  
**DOT-SP 10915-4500**  
**EJ 10335 LUXFER**  
**4A01 REE: 15**

Luxfer Part Number: P11F Carbon Fiber  
REINSPECT AND HYDROSTATICALLY TEST IN  
ACCORDANCE WITH DOT-SP 10915 OR TC-SU 5134  
Warning!! Do not fill if damage has caused strand unraveling.  
**DESIGNED AND MANUFACTURED IN THE USA**

- Line 1:** **TC** = Transport Canada  
**SU 5134** = Canadian exemption number (design specification)  
**310** = Charge pressure (bar)
- Line 2:** **DOT-SP 10915** = DOT exemption number (US design specification)  
**4500** = Charge pressure (psi)
- Line 3:** **EJ 10335** = Serial number  
**LUXFER** = Manufacturer
- Line 4:** **4A01** = Month and year of initial hydrostatic test  
**REE:15** = Reference to type of fiber used in composite wrap

For more information about cylinder markings, please visit our website: [www.luxfercylinders.com](http://www.luxfercylinders.com).

# Paintball cylinder construction

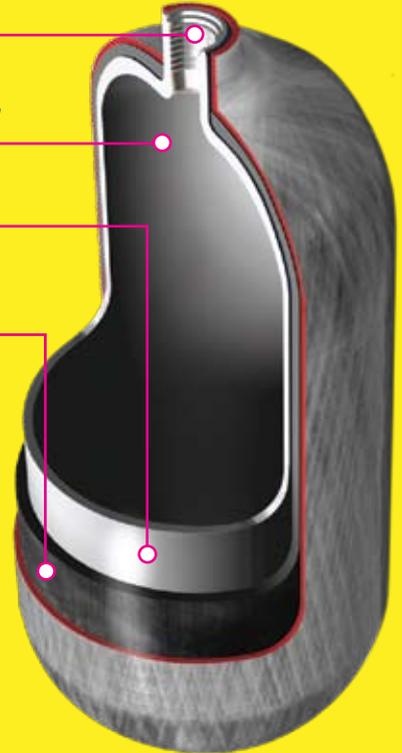
*Precision-machined thread.*

*Protexal® – Smooth, inert, corrosion-resistant internal finish.*

*Lightweight-but-strong aluminum liner.*

*High-performance carbon-fiber overwrap in epoxy resin matrix.*

Made in the U.S.A., Luxfer carbon composite paintball cylinders are a proven design featuring a lightweight-but-strong aluminum liner covered by a high-performance carbon-fiber overwrap in an epoxy resin matrix. These tough, extremely durable cylinders have set an exemplary standard for safety and dependability in paintball competition around the world.



Fill out this form and keep it as a reference when retesting or filling your cylinder.

|                 |  |
|-----------------|--|
| Date purchased: |  |
| Purchased from: |  |
| Serial number:  |  |
| Capacity:       |  |

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

**Distributed by:**

If you have any questions about your Luxfer paintball cylinder, please visit our website at [www.luxfercylinders.com](http://www.luxfercylinders.com) or call Luxfer customer service toll-free at **800-764-0366**.



**Setting the standard worldwide**

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