

CARBON CYLINDER®
Lightness & Innovation



Type 4 composite cylinders like you have never seen before

ADVANTAGES



At equal capacity, Carbon Cylinder tanks are **the lightest cylinders on the market**, with around 30% less weight than Type 3 cylinders (composite cylinders with aluminium liner) and **4 times lighter than Type 1 cylinders** (steel cylinders).



Oxidation is completely excluded thanks to the cutting-edge solution of using a plastic liner. Moreover, Carbon Cylinder tanks are **able to resist a wide range of corrosive agents**, such as sodium chloride, sulphuric acid, nitric acid and sodium hydroxide.



All Carbon Cylinder tanks will be **certified according to the main worldwide standards**, in order to be able to compete in different markets and supply the best quality all over the world. For this reason, all the products will be tested according to ISO 11119-3 and UNI EN 12245 standards.




A study conducted at the University of Padova pointed out a very important aspect: the impact on the environment is about three times less than any other type of cylinder on the market, making Carbon Cylinder tanks a **nature-friendly** product.


OUR TYPE 4 CYLINDERS


NON-LIMITED LIFE certified, according to the main worldwide standards.


Working Pressure: 310 BAR according UNI ISO 11119-3 300 BAR according EN 12245


Suitable for: Breathing air, Hydrogen, Technical gases (Nitrogen, Helium, Carbon Dioxide, Compressed Air, Argon, etc.)


2.0  **Actual Volume: 2LT**
Weight: 1,5 Kg Length: 385 mm Diameter: 103 mm

3.0  **Actual Volume: 3LT**
Weight: 1,8 Kg Length: 440 mm Diameter: 115 mm


6.8  **Actual Volume: 6,8LT**
Weight: 3,5 Kg Length: 495 mm Diameter: 162 mm

6.8 S  **Actual Volume: 8LT**
Weight: 4,2 Kg Length: 495 mm Diameter: 162x162 mm

6.8 R  **Actual Volume: 9,5LT**
Weight: 4,8 Kg Length: 495 mm Diameter: 162x194 mm


9.0  **Actual Volume: 9LT**
Weight: 4,5 Kg Length: 514 mm Diameter: 185 mm

9.0 S  **Actual Volume: 10,5LT**
Weight: 5,2 Kg Length: 385 mm Diameter: 103 mm

20.0  **Actual Volume: 20LT**
Weight: 12 Kg Length: 610 mm Diameter: 250 mm

20.0 S  **Actual Volume: 20LT**
Weight: 12 Kg Length: 550 mm Diameter: 250x250 mm

26.0 S  **Actual Volume: 26LT**
Weight: 15,6 Kg Length: 690 mm Diameter: 250x250 mm

50.0  **Actual Volume: 50LT**
Weight: 26,5 Kg Length: 1450 mm Diameter: 250 mm

50.0 S  **Actual Volume: 60LT**
Weight: 29,5 Kg Length: 1450 mm Diameter: 250x250 mm

FIRE FIGHTING
- SCBA

SEARCH & RESCUE

DIVING - SCUBA

HYDROGEN

INDUSTRY



ABOUT US

Carbon Cylinder is an Italian innovative start up founded in 2020 from the several years' experience of its founders in the field of composite cylinders.

After spending some years in developing a product that is world-wide known for its reliability, they decided to found a new entrepreneurial reality which was able to take advantage of the full potential of Type 4 cylinders: the internal plastic liner protected by a composite layer provides this product with unmatched lightness, ductility and performances. To do so, Carbon Cylinder developed several patents regarding both the design and the production process so the products and the sizes that will be designed and marketed will provide an unseen feature: a shape different from the cylindrical, proper of the current pressure tanks.

In a world constantly looking for the best performance, Carbon Cylinder offers several solutions, fully customisable according to the client's requests, that will revolutionise and innovate the market of Type 4 cylinders, no matter the final application, whether it is firefighting, scuba diving, hydrogen or industrial.



**Our cylinders are
fully customizable
according to your needs**

CONTACT US

 HQ	Factory
Via E. Montale, 4/5 30030 Pianiga, Italy	Via Maestri del Lavoro, 10 30034 Mira, Italy

 info@carboncylinder.com

 + 39 **342 6448 909**

 [**www.carboncylinder.com**](http://www.carboncylinder.com)