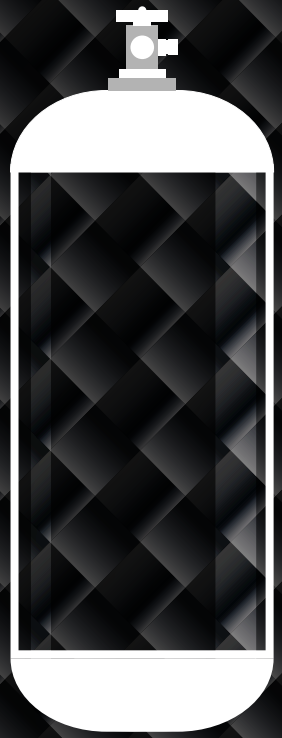
CARBON CYLINDER®
Lightness & Innovation



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).

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.

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.

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: **1,1** Kg | Lenght: **326** mm | Diameter: **115** mm

3.0
Actual Volume: 3LT
Weight: **1,5** Kg | Lenght: **380** mm | Diameter: **115** mm

6.8
Actual Volume: 6,8LT
Weight: **2,7** Kg | Lenght: **504** mm | Diameter: **159** mm

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

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

9.0
Actual Volume: 9LT
Weight: **3,7** Kg | Lenght: **545** mm | Diameter: **179** mm

9.0 S
Actual Volume: 10,5LT
Weight: **4,5** Kg | Lenght: **545** mm | Diameter: **179x179** mm

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

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

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

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

50.0 S
Actual Volume: 60LT
Weight: **29,5** Kg | Lenght: **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

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