

PRESS  
RELEASE



## New lighter design for Faber diving cylinders

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*Cividale del Friuli, 14/4/2023*

**It is now official! Faber, since January 2023, has started to sell its new designed CE marked scuba diving cylinders to the European Union and wherever those cylinders are allowed to be used by standard.**

Thanks to its unique production process from plate Faber is able to make the lightest steel diving cylinders in the world while ensuring the highest level of safety, by exceeding the design standard requirements.

In fact, the standard allows a cylinder maker to design a cylinder with higher mechanical strength while reducing the wall thickness to target a decent weight overall. This practice can be considered when you make the cylinder from either tube or billet rather than from plate to reach a better performance in weight. Nevertheless, Faber strongly believes that in the field of scuba, cylinder handling might be subject to severe use and improper maintenance in the years, as such, a reduction of the wall thickness should be limited as much as possible.

Faber, thanks to its manufacturing process of cold deep drawing starting from plate, can reach the best target weight for a steel diving cylinder while keeping the range of non-high mechanical characteristics.

The table hereby shows the difference in weight, of the most commonly used sizes, from the previously designed Faber diving cylinders CE marked and the ones available from January 2023.

We are sure that divers will appreciate such an improvement and will continue to use Faber Cylinders, since ever recognized in the diving community as the best products in the world.

| Working pressure 200 bar |               |                 |                 |
|--------------------------|---------------|-----------------|-----------------|
| Water capacity (l)       | Diameter (mm) | Old weight (kg) | New weight (kg) |
| 10                       | 171           | 10.4            | 10              |
| 12                       | 171           | 12.0            | 11.5            |
| 12                       | 203           | 13.6            | 12.3            |
| 15                       | 203           | 16.2            | 14.5            |
| 18                       | 203           | 18.7            | 16.0            |

| Working pressure 232 bar |               |                 |                 |
|--------------------------|---------------|-----------------|-----------------|
| Water capacity (l)       | Diameter (mm) | Old weight (kg) | New weight (kg) |
| 10                       | 171           | 12.2            | 11.5            |
| 12                       | 171           | 14.1            | 13.3            |
| 12                       | 203           | 15.1            | 14.1            |
| 15                       | 203           | 18.2            | 16.7            |
| 18                       | 216           | 21.5            | 20.0            |

All nominal data related to cylinders without valve or any other accessory, convex bottom

*Manufacturing since 1972, Faber has grown rapidly to become the world's leader in the production of cylinders (Types 1, 2, 3 & 4) and systems for the storage of High-Pressure Gases for the Clean Energy (CNG and H<sub>2</sub>), Industrial and Air Breathing sectors. Faber has earned the best reputation for its high standards of quality and for its capability to comply with the most stringent specifications set down by International Bodies, Local Authorities and its customers.*

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