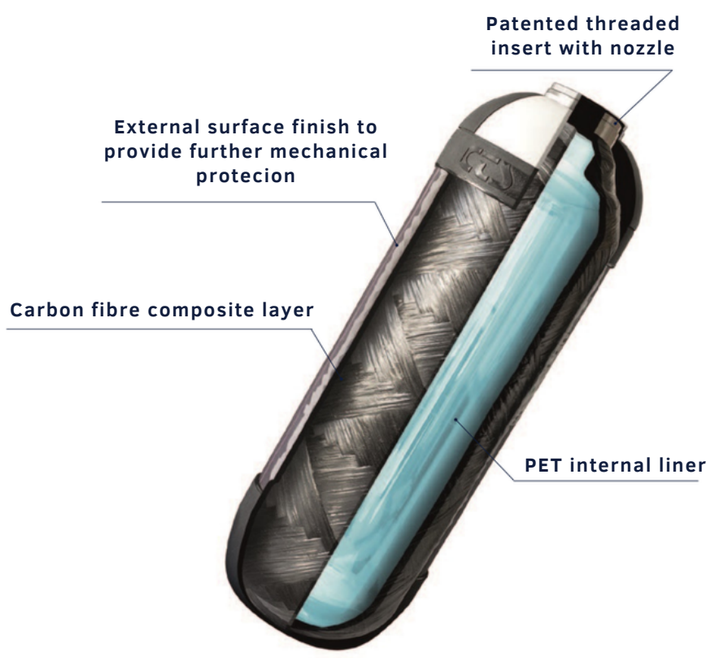
CTS CYLINDERS INSPECTION & FILLING

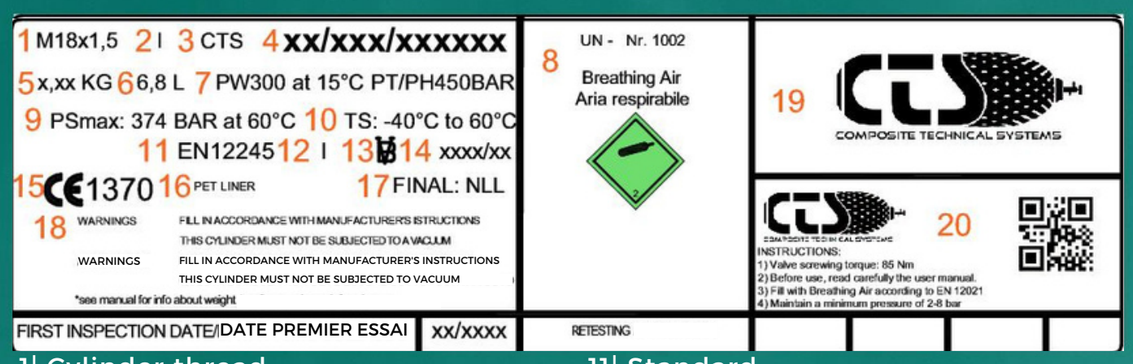
We take care of your safety

CYLINDER COMPOSITION



- Unlimited life certified
- Exceptional mechanical strength
- Great barrier effect
- High corrosion resistance
- Easy to clean and sanitise
- Easy to maintain

INFORMATION WHICH YOUR CYLINDER LABEL INDICATES



1| Cylinder thread
2| Country of manufacture
3| Identification of the manufacturer
4| Serial number
5| Empty weight
6| Water capacity in litres
7| Working pressure
8| Approved gas
9| Maximum pressure at maximum temperature
10| Maximum/minimum temperature
11| Standard
12| Country of approval
13| Inspection stamp
14| Initial test date
15| International mark
16| Internal linear material
17| Non-limited life (no expiry date)
18| Warnings
19| Customisable logo
20| Additional information

NOTES BEFORE FILLING

Follow filling procedures recommended by the SCBA manufacturer.
Only fill the cylinder with breathable air according to the SCBA manufacturer's recommendations and any air quality requirements in the country in which the cylinder is being used.

- **Compression is an exothermal process: for this reason, we recommend that you charge the cylinder at no more than 20-30 bar/min up to 320 bar, to minimise the pressure drop that will occur when the cylinder cools down to ambient temperature.**
  A further useful practical advice is to charge the maximum number of cylinders that the compressor can support; thereby increasing the volume and reducing the charging rate, thus generating less heat.
  The traditional method of an initial charge followed by a subsequent filling once the cylinder has cooled down is also an acceptable method of ensuring an adequate filling.
  The filling compressor should be able to fill the cylinder with breathable air compliant in accordance with the requirements of EN 12021.
- **The cylinder must be charged to the maximum working pressure specified on the label.**
- **The cylinder body temperature must never exceed 60-70°C**

WARNING: SOME MOVEMENT OF THE COMPOSITE MATERIAL DURING THE FILLING AND DISCHARGE MAY CAUSE A CRACKLING NOISE. THIS IS NORMAL AND NOT A CAUSE FOR CONCERN.

CHECKLIST BEFORE FILLING

IS THE CYLINDER WITHIN THE TEST PERIOD? — NO → **DO NOT FILL !** REPORT THE CYLINDER USING STANDARD REPORTING PROCEDURES. THE CYLINDER MUST BE TESTED BY A CENTRE AUTHORISED TO TEST COMPOSITE CYLINDERS.

YES ↓

IS THERE ANY EXTERNAL DAMAGE TO THE CYLINDER? — YES → **DO NOT FILL !** APART FROM SUPERFICIAL SCRATCHES OR MINOR ABRASIONS, DO NOT FILL CYLINDERS WITH MECHANICAL DAMAGE BEYOND THE OUTER LAYER. IF IN DOUBT, DO NOT FILL THE CYLINDER AND REPORT THE DEFECT USING STANDARD REPORTING PROCEDURES FOR FURTHER TECHNICAL INSPECTION.

NO ↓

IS THE CYLINDER VALVE IN AN ACCEPTABLE AND OPERATIONAL CONDITION? — NO → **DO NOT FILL!** IF IN DOUBT, DO NOT FILL THE CYLINDER AND REPORT THE DEFECT USING STANDARD REPORTING PROCEDURES FOR FURTHER TECHNICAL INSPECTION.

YES ↓

FILL THE CYLINDER USING STANDARD COMPRESSOR OPERATING PROCEDURES ASSOCIATED WITH CURRENT BEST PRACTICES