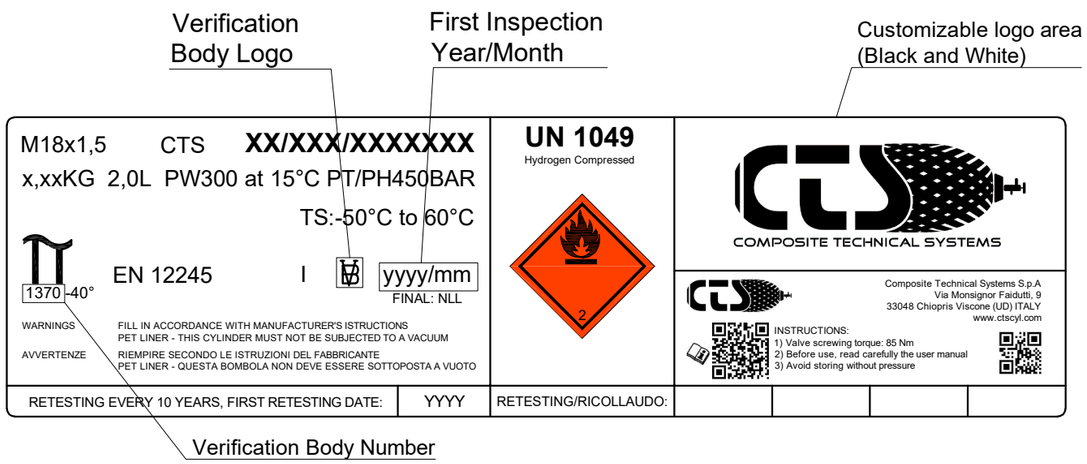
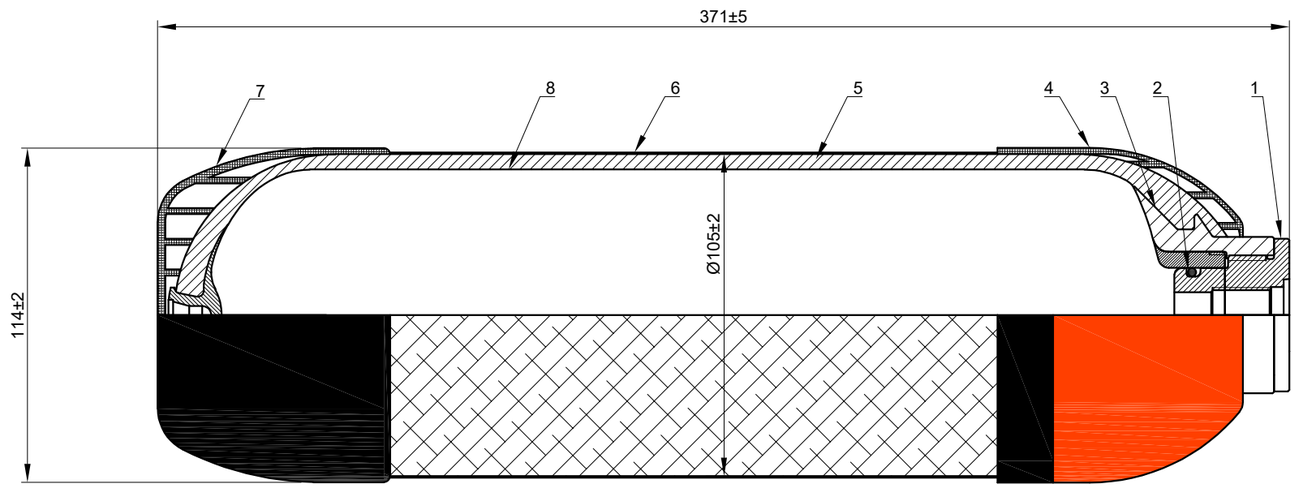


Cylinder layout	Description and notes	Empty cylinder weight - Aluminum alloy	Empty cylinder weight - Stainless steel
Cylinder without finishings (bare cylinder)	Without finishings	1.34±0.09 kg 2.95±0.20 lbs	1.76±0.09 kg 3.88±0.20 lbs
Finished cylinder with transparent coating	Finished cylinder with transparent coating and rubber caps.	1.61±0.09 kg 3.55±0.20 lbs	2.03±0.09 kg 4.48±0.20 lbs
Finished cylinder with yellow or black sleeve	Finished cylinder with coloured sleeve (black or yellow), transparent sleeve and rubber caps.	1.70±0.09 kg 3.75±0.20 lbs	2.12±0.30 kg 4.67±0.20 lbs



Legend:

1. Inner boss (internal nozzle)

THREADS	
STANDARD THREAD	M18x1.5 - EN ISO 15245-1
OTHER COMMON THREADS AVAILABLE ON REQUEST	

2. O-ring
3. Outer boss (external nozzle)
4. Upper rubber cap
5. Composite stratification layer
6. Optional exterior finishing
7. Bottom rubber cap
8. Internal PET liner

CTS SpA Type 4 cylinders Data Sheet: 2.0 lt 300 bar Hydrogen

Working pressure: 300 bar (4351 psi)	Boss (nozzles) material: Anodized aluminum alloy OR Stainless steel
Test pressure: 450 bar (6527 psi)	Liner material: PET
Min. design burst pressure: >900 bar (13053 psi)	Reinforcement material: Carbon fiber + Epoxy resin
Water capacity: 2.0 L (122.04 cu. inch) — Hydrogen mass: 42 g (1.48 oz)	Exterior finishing: Customer specifications
Service life: non limited (NLL) according to EN 12245:2009 + A1:2011	Developed pressure at 60°C: 349 bar (5062 psi)
Specifications: EN 12245:2009 + A1:2011; European Directive TPED 2010/35/UE, ADR 2017 or European Directive PED 2014/68/UE	Approved gases: UN 1049 Hydrogen, compressed

The image has the only purpose to represent the product.