



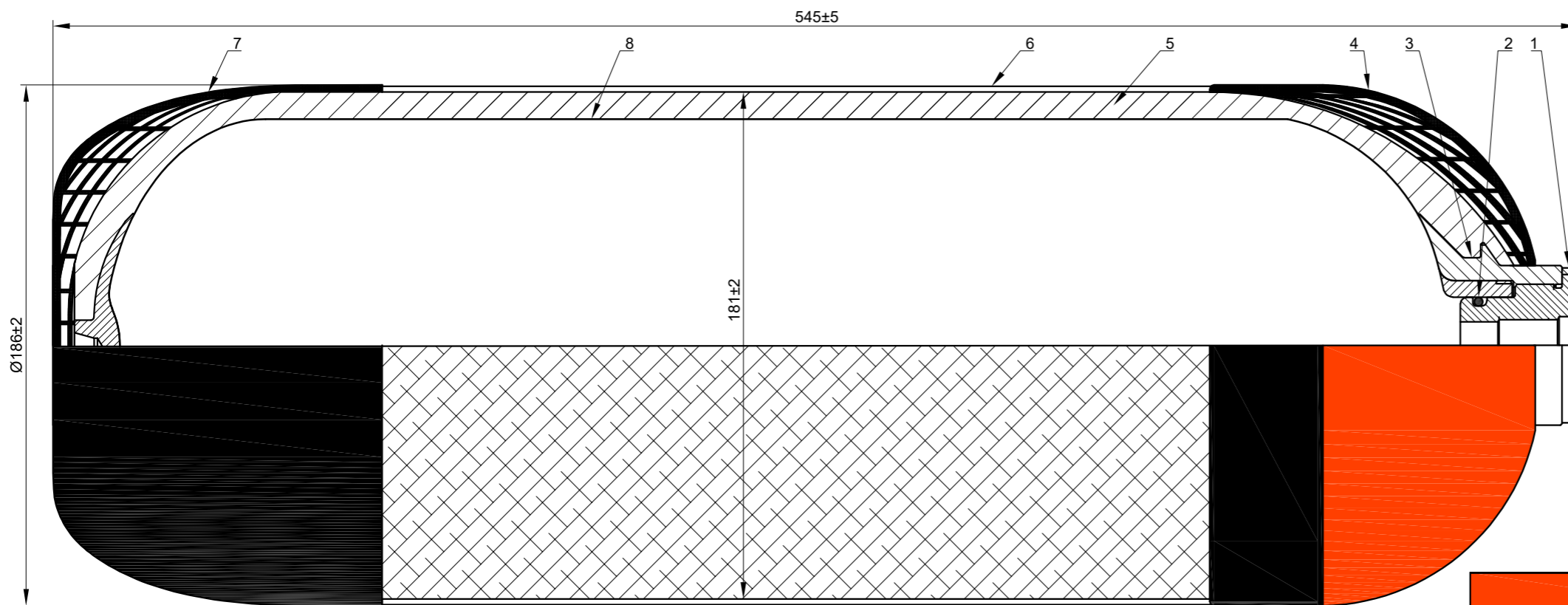


Verification Body Logo First Inspection Year/Month Customizable logo area (Black and White)

M18x1,5 CTS 18/355/BA28358 x,xxKG 9,0L PW300 at 15°C PT/PH450BAR TS: -50°C to 60°C	UN 1049 Hydrogen Compressed	 COMPOSITE TECHNICAL SYSTEMS <small>Composite Technical Systems S.p.A Via Monsignor Faldutti, 9 33048 Chiopris Viscone (UD) ITALY www.ctsyt.com</small>
 1370-40° EN 12245 I  yyyy/mm <small>WARNINGS: FILL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS THIS CYLINDER MUST NOT BE SUBJECTED TO A VACUUM AVVERTENZE: RIEMPIRE SECONDO LE ISTRUZIONI DEL FABBRICANTE QUESTA BOMBOLA NON DEVE ESSERE SOTTOPOSTA A VUOTO</small>	 <small>INSTRUCTIONS: 1) Valve screwing torque: 85 Nm 2) Before use, read carefully the user manual 3) Avoid storing without pressure</small>	
FINAL:>NNL	RETESTING/RICOLLAUDO:	

Verification Body Number

Cylinder layout	Description and notes	Empty cylinder weight - Aluminum alloy	Empty cylinder weight - Stainless steel
Cylinder without finishings (bare cylinder)	Without finishings	3.90±0.24 kg 8.60±0.52 lbs	4.32±0.30 kg 9.52±0.66 lbs
Finished cylinder with transparent coating	Finished cylinder with transparent coating and rubber caps.	4.65±0.24 kg 10.25±0.52 lbs	5.07±0.30 kg 11.18±0.66 lbs
Finished cylinder with yellow or black sleeve	Finished cylinder with coloured sleeve (black or yellow), transparent sleeve and rubber caps.	4.85±0.24 kg 10.69±0.52 lbs	5.27±0.30 kg 11.62±0.66 lbs



Legend:

- ① Inner boss (internal nozzle)

THREADS	
STANDARD THREAD	M18x1.5 - EN ISO 15245-1
OTHER COMMON THREADS	M25x2.0 - EN ISO 15245-1
	17E - EN ISO 11363-1

- 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:
9.0 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: 9.0 L (549.21 cu. inch)	Hydrogen mass: 190 g (6.70 oz)
Exterior finishing: Customer specifications	Developed pressure at 60°C: 349 bar (5062 psi)
Service life: non limited (NLL) according to EN 12245:2009 + A1:2011	Approved gases: UN 1049 Hydrogen, compressed
Specifications: EN 12245:2009 + A1:2011; European Directive TPED 2010/35/UE, ADR 2021 or European Directive PED 2014/68/UE	

