

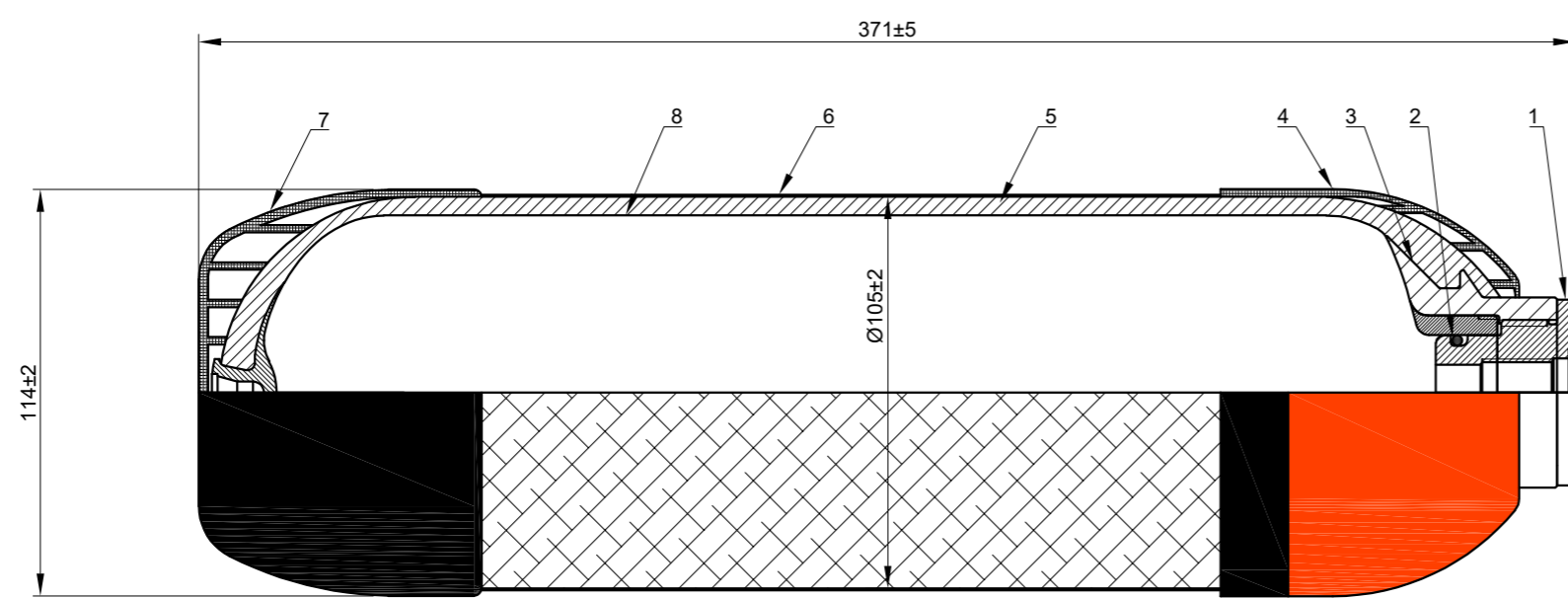


M18x1,5 I CTS <b>xx/xxx/xxxxxx</b> x,xx KG 2,0 L PW300 at 15° C PT/PH450BAR EN12245:2009 + A1:2011 I <b>XXXX/XX</b>	UN 1049 Hydrogen Compressed 	<b>CTS</b> COMPOSITE TECHNICAL SYSTEMS  <b>CTS</b> COMPOSITE TECHNICAL SYSTEMS INSTRUCTIONS: 1) Valve screwing torque: 85 Nm 2) Before use, read carefully the user manual. 3) Avoid storing without pressure
TS: -50°C to 60°C PET LINER FINAL: NLL FIRST INSPECTION DATE/DATA PRIMO COLLAUDO <b>XX/XXXX</b>	RETETING / RICOLLAUDO	

Verification Body Number

Verification Body Logo

Cylinder layout	Description and notes	Empty cylinder weight - Aluminum alloy	Empty cylinder weight - Stainless steel
Cylinder without finishings (bare cylinder)	Without finishings	1.25±0.09 kg 2.76±0.20 lbs	1.67±0.09 kg 3.68±0.20 lbs
Finished cylinder with transparent coating	Finished cylinder with transparent coating and rubber caps.	1.52±0.09 kg 3.35±0.20 lbs	1.94±0.09 kg 4.28±0.20 lbs
Finished cylinder with yellow or black sleeve	Finished cylinder with coloured sleeve (black or yellow), transparent sleeve and rubber caps.	1.61±0.09 kg 3.55±0.20 lbs	2.03±0.30 kg 4.48±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	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 2017 or European Directive PED 2014/68/UE	



The image has the only purpose to represent the product.