

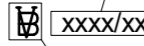

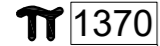


M18x1,5 CTS xx/xxx/xxxxxx	UN 1049 Hydrogen Compressed	 COMPOSITE TECHNICAL SYSTEMS
x,xx KG 6,0 L PW300 at 15° C PT/PH450BAR		
EN12245:2009 + A1:2011 I  XXXX/XX	TS: -50°C to 60°C	 COMPOSITE TECHNICAL SYSTEMS INSTRUCTIONS: 1) Valve screwing torque: 85 Nm 2) Before use, read carefully the user manual 3) Avoid storing without pressure
 1370 PET LINER WARNINGS: FILL IN ACCORDANCE WITH MANUFACTURERS ISTRUZIONI THIS CYLINDER MUST NOT BE SUBJECTED TO A VACUUM AVVERTENZE: RIEMPIRE SECONDO LE ISTRUZIONI DEL FABBRICANTE QUESTA BOMBOLA NON DEVE ESSERE SOTTOPOSTA A VUOTO FINAL: NLL	FIRST INSPECTION DATE/DATA PRIMO COLLAUDO XX/XXX	

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	2.69±0.19 kg 5.93±0.42 lbs	3.11±0.30 kg 6.86±0.66 lbs
Finished cylinder with transparent coating	Finished cylinder with transparent coating and rubber caps.	3.30±0.19 kg 7.28±0.42 lbs	3.72±0.30 kg 8.20±0.66 lbs
Finished cylinder with yellow or black sleeve	Finished cylinder with coloured sleeve (black or yellow), transparent sleeve and rubber caps.	3.52±0.19 kg 7.76±0.42 lbs	3.94±0.30 kg 8.69±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)

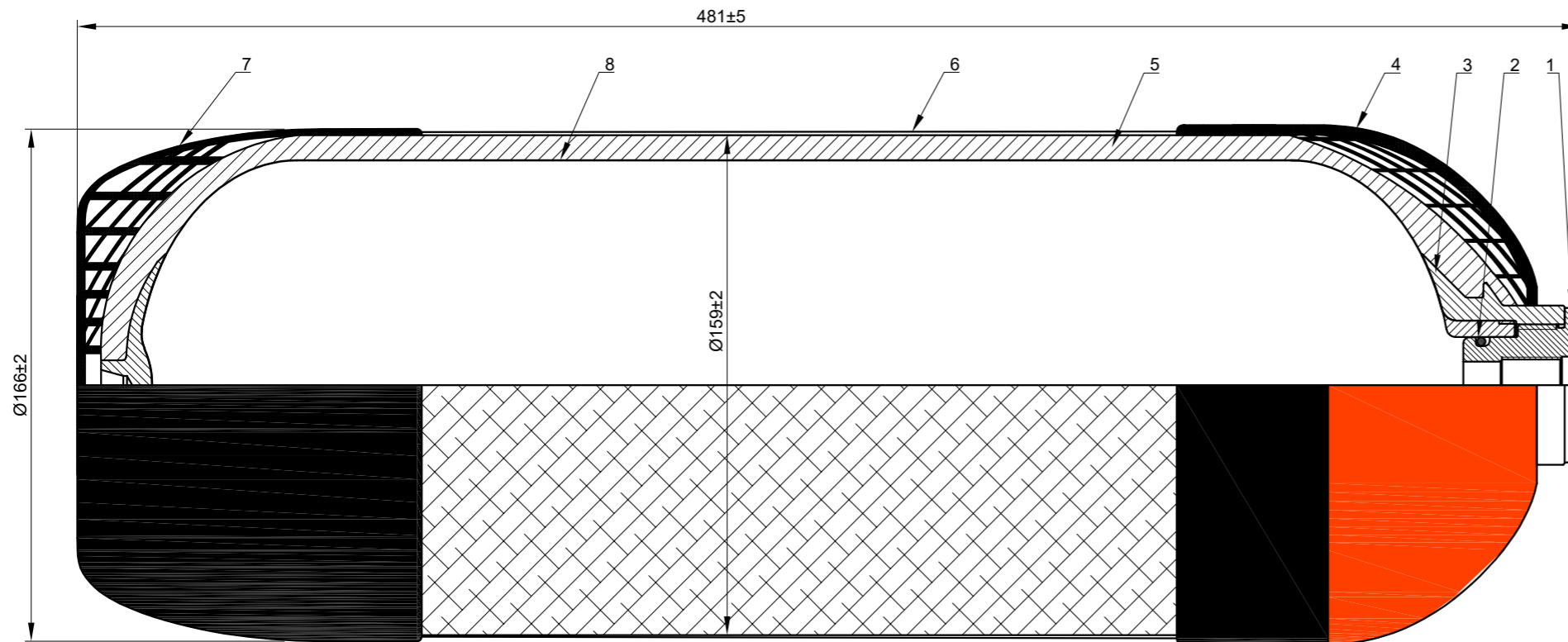
④ Upper rubber cap

⑤ Composite stratification layer

⑥ Optional exterior finishing

⑦ Bottom rubber cap

⑧ Internal PET liner



CTS SpA Type 4 cylinders Data Sheet:
6.0 It 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: 6.0 L (366.14 cu. inch)	Hydrogen mass: 127 g (4.48 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 2021 or European Directive PED 2014/68/UE	

