





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

M18x1,5 CTS <b>18/355/BA28358</b> x,xxKG 7,2L PW300 at 15°C PT/PH450BAR TS: -50°C to 60°C	<b>UN 1049</b> Hydrogen Compressed	 <b>COMPOSITE TECHNICAL SYSTEMS</b> <small>Composite Technical Systems S.p.A Via Monsignor Faldutti, 9 33048 Chiopris Viscone (UD) ITALY www.ctscoyl.com</small>
 1370-40° <b>EN 12245</b> 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:	

Cylinder layout	Description and notes	Empty cylinder weight - Aluminum alloy	Empty cylinder weight - Stainless steel
Cylinder without finishings (bare cylinder)	Without finishings	3.28±0.24 kg 7.23±0.52 lbs	3.70±0.30 kg 8.16±0.66 lbs
Finished cylinder with transparent coating	Finished cylinder with transparent coating and rubber caps.	3.87±0.24 kg 8.53±0.52 lbs	4.29±0.30 kg 9.46±0.66 lbs
Finished cylinder with yellow or black sleeve	Finished cylinder with coloured sleeve (black or yellow), transparent sleeve and rubber caps.	4.15±0.24 kg 9.15±0.52 lbs	4.57±0.30 kg 10.08±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)

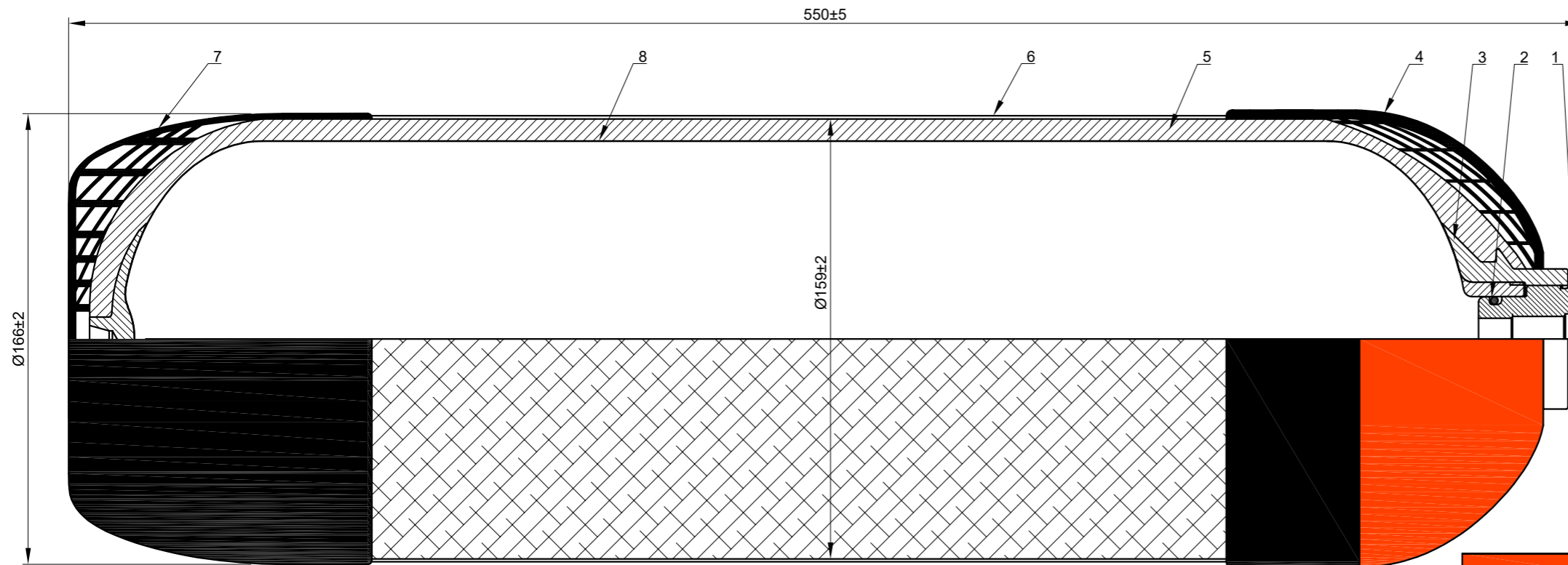
④ Upper rubber cap

⑤ Composite stratification layer

⑥ Optional exterior finishing

⑦ Bottom rubber cap

⑧ Internal PET liner



**CTS SpA Type 4 cylinders Data Sheet:  
7.2 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: 7.2 L (439.37 cu. inch)	Hydrogen mass: 152 g (5.4 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	

