

Verification
Body Logo

First Inspection
Year/Month

Customizable logo area
(Black and White)

M18x1,5 CTS **XX/XXX/XXXXXXXX**
x,xxKG 7,2L PW300 at 15°C PT/PH450BAR
TS:-50°C to 60°C

UN 1049
Hydrogen Compressed


COMPOSITE TECHNICAL SYSTEMS


1370-40°

EN 12245 I  yyyy/mm
FINAL: NLL




INSTRUCTIONS:
1) Valve screwing torque: 85 Nm
2) Before use, read carefully the user manual
3) Avoid storing without pressure

Composite Technical Systems S.p.A
Via Monsignor Faldutti, 9
33048 Chiopris Viscone (UD) ITALY
www.ctsyt.com

WARNINGS
FILL IN ACCORDANCE WITH MANUFACTURER'S ISTRUCTIONS
PET LINER - THIS CYLINDER MUST NOT BE SUBJECTED TO A VACUUM

AVVERTENZE
RIEMPIRE SECONDO LE ISTRUZIONI DEL FABBRICANTE
PET LINER - QUESTA BOMBOLA NON DEVE ESSERE SOTTOPOSTA A VUOTO

RETESTING EVERY 10 YEARS, FIRST RETESTING DATE: YYYY

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	3.28±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

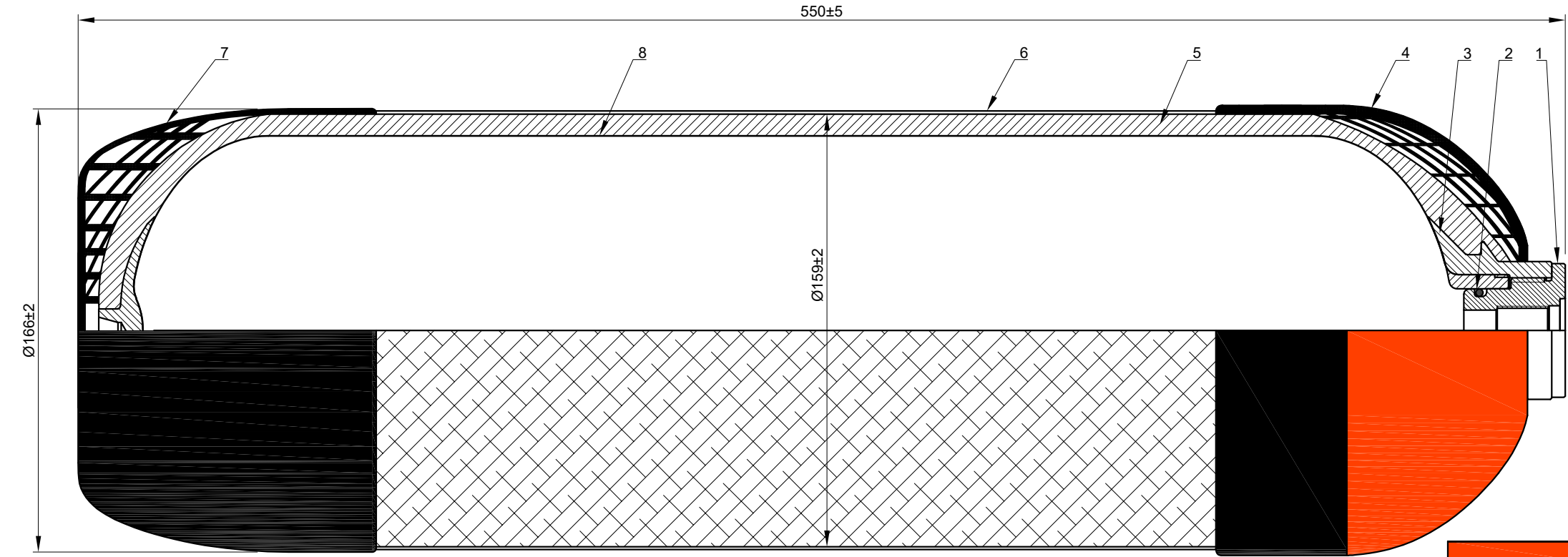
Composite stratification layer
- 6

Optional exterior finishing
- 7

Bottom rubber cap
- 8

Internal PET liner

CTS SpA Type 4 cylinders Data Sheet:
7.2 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: 7.2 L (439.37 cu. inch)	Hydrogen mass: 152 g (5.4 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 2021 or European Directive PED 2014/68/UE		Approved gases: UN 1049 Hydrogen, compressed	



The image has the only purpose to represent the product.