

Verification
Body Logo

First Inspection
Year/Month

Customizable logo area
(Black and White)

M18x1,5 CTS **XX/XXX/XXXXXXXX**
x,xxKG 3,0L 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

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:


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


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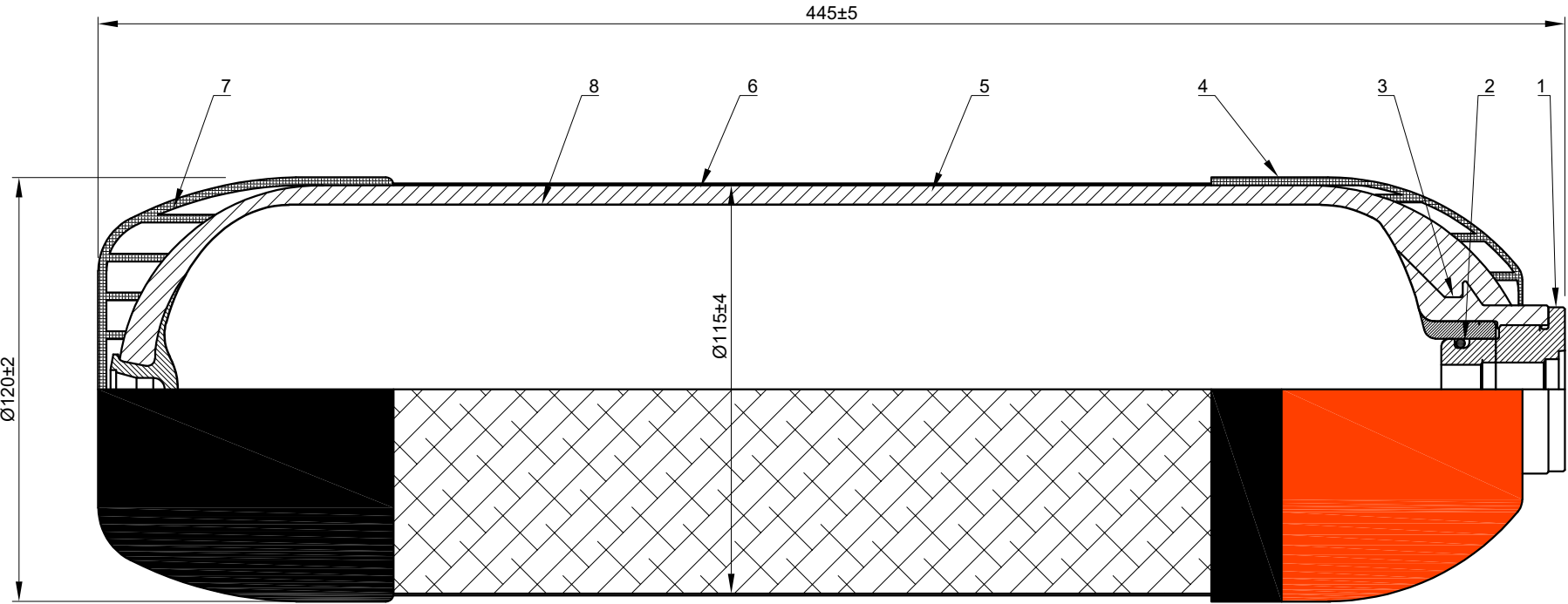
Cylinder layout	Description and notes	Empty cylinder weight - Aluminum alloy	Empty cylinder weight - Stainless steel
Cylinder without finishings (bare cylinder)	Without finishings	1.53±0.09 kg 3.37±0.20 lbs	1.95±0.30 kg 4.30±0.66 lbs
Finished cylinder with transparent coating	Finished cylinder with transparent coating and rubber caps.	1.85±0.09 kg 4.08±0.20 lbs	2.27±0.30 kg 5.01±0.66 lbs
Finished cylinder with yellow or black sleeve	Finished cylinder with coloured sleeve (black or yellow), transparent sleeve and rubber caps.	1.95±0.09 kg 4.30±0.20 lbs	2.37±0.30 kg 5.22±0.66 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:
3.0 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: 3.0 L (183.07 cu. inch)	Hydrogen mass: 63 g (2.22 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 2017 or European Directive PED 2014/68/UE		Approved gases: UN 1049 Hydrogen, compressed



The image has the only purpose to represent the product.