

Verification
Body Logo

First Inspection
Year/Month

Customizable logo area
(Black and White)

M18x1,5 CTS **XX/XXX/XXXXXXXX**
x,xxKG 6,0L 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	2.84±0.19 kg 6.26±0.42 lbs	3.26±0.30 kg 7.19±0.66 lbs
Finished cylinder with transparent coating	Finished cylinder with transparent coating and rubber caps.	3.46±0.19 kg 7.63±0.42 lbs	3.88±0.30 kg 8.55±0.66 lbs
Finished cylinder with yellow or black sleeve	Finished cylinder with coloured sleeve (black or yellow), transparent sleeve and rubber caps.	3.68±0.19 kg 8.11±0.42 lbs	4.00±0.30 kg 8.82±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 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: 6.0 L (366.14 cu. inch)	Hydrogen mass: 127 g (4.48 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.