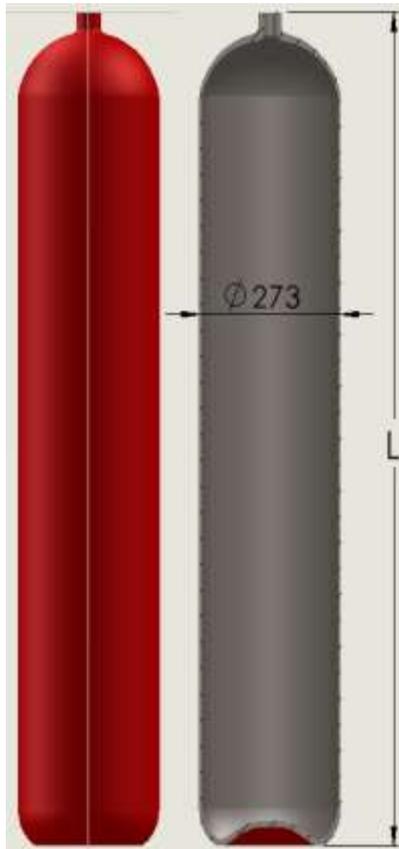


Seamless Steel Refillable Cylinder for Hydrogen Ø 273x10.5 WP300bar – TP450bar



CYLINDER DIMENSION								
Water capacity [l] -2,5% +2,5%	30	40	50	60	80	83	90	100
Nominal weight [Kg]	60	75	90	105	135	140	147	165
Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.								
Length L mm ±20	845	1045	1235	1430	1750	1790	2015	2210
Dimension are in accordance with thread option n.1								
Neck Thread: - Alternative thread to Customer's requirement -								
Option	Internal thread		External thread		mm]			
1	25E ISO11363-1		-		≈35			
2	1" NGT		-		≈35			
3	-		-					

DESIGN DATA

Minimum design thickness of the cylindrical wall:		10.5 mm
Working Pressure: up to 300 bar	Hydrostatic Test Pressure: 450 bar	Burst Pressure: ≥ 588 bar
Service temperature: -40°C +65°C		
Use of cylinder for Hydrogen gas.		
Chemical composition: Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO9809-2 par.6 [Al fully killed]		
Manufacturing process: Hot spinning of seamless steel tube		
Heat treatment: Quenching (with polymer) and Tempering		
Paint: Highly durable polyester powder coating (unless otherwise specified minimum paint thickness >60µm)		

Certification Standard: ISO 9809-1				
Country of Approval	Europe	USA	Canada	Russian Federation
Certification Availability	TPED approved in accordance with directive 2010/35/EU	Achievable on customer's request	Achievable on customer's request	Achievable on customer's request