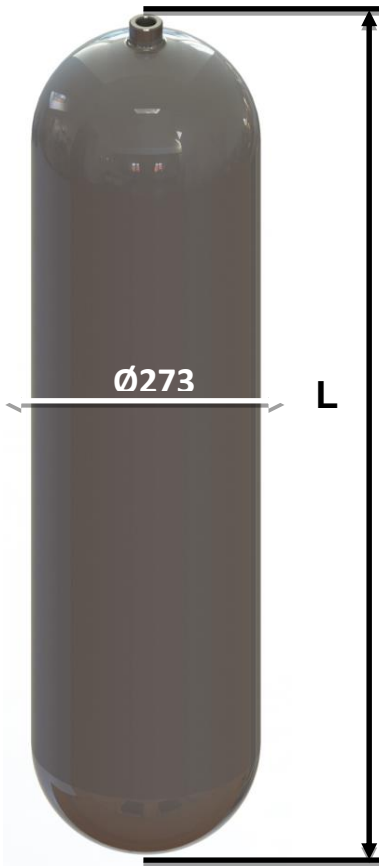


Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 273x8.1 WP300bar – TP429bar



CYLINDER DIMENSION							
Water capacity [l] -2,5% +2,5%	40	50	60	80	90	100	110
All sizes from 40 to 110L are feasible for manufacturing.							
Nominal weight [Kg]	54	66	78	102	111	122	133
Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.							
Length L mm ±20	870	1060	1260	1650	1850	2040	2240
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 ISO 11363-1		-		≈25		
2	1" NGT		-		≈25		
3	¾" NGT		-		≈25		

DESIGN DATA		
Minimum design thickness of the cylindrical wall:		8.1 mm
Working Pressure: up to 300 bar	Hydrostatic Test Pressure: 429 bar	Burst Pressure: ≥ 650 barg
Service temperature: -40°C +80 °C		
Use of cylinder for gases causing embrittlement and corrosion of the steel is forbidden. The gas contained in the cylinder must be in accordance with the standard ISO 11114-1.		
Chemical composition: Steel 34CrMo4 EN10083 part 1&3		
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: EN 13445				
Country of Approval	Europe	USA	Canada	Russian Federation
Certification Availability	PED Approved in accordance with 2014/68/UE	Achievable on customer's request	Achievable on customer's request	EAC Approval <i>available</i> on customer's request