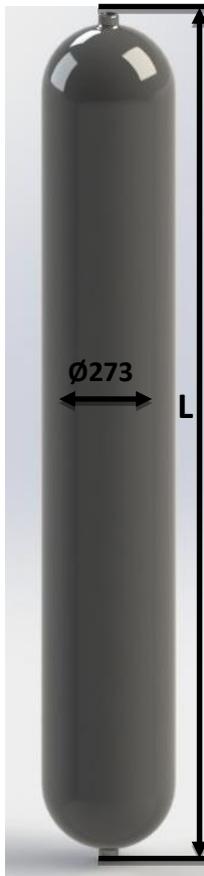


Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 273x7.7 WP300bar – TP450bar



CYLINDER DIMENSION							
Water capacity [l] -2,5% +2,5%	40	50	60	70	80	90	100
All sizes from 25 to 110L are feasible for manufacturing.							
Nominal weight [Kg]	60	70	81	92	102	110	127
Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.							
Length L mm ±20	1000	1190	1385	1575	1770	1960	2150
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:			7.7 mm	
Working Pressure: up to 300 bar	Hydrostatic Test Pressure: 450 bar	Burst Pressure: ≥ 720 barg		
Service temperature: -40°C +82 °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 with restrictions in accordance with ISO9809-2 par.6				
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 9809-2				
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 <u>available</u> on customer's request