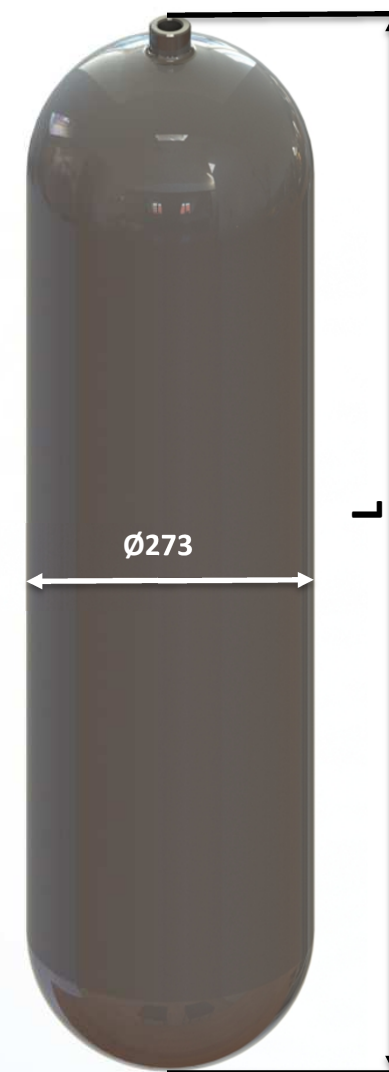


Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 273x7.8 WP275barg – TP412.5barg

DIMENSIONS	Water capacity [l] _{-2,5%} _{+2,5%}	40	50	60	80	90	100	105	All sizes from 40 to 105L are feasible for manufacturing	
	Nominal weight [Kg]	57	68	79	101	112	123	129		Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	870	1060	1260	1650	1850	2040	2140		Dimension are in accordance with thread option n.1

DESIGN DATA	Minimum design thickness of the cylindrical wall: 7.8 mm																
	Working Pressure: up to 275 barg	Hydrostatic Test Pressure: 412.5 barg Burst Pressure: ≥ 660 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.																
	Neck Thread: - Alternative thread to Customer's requirement -	<table border="1"> <thead> <tr> <th>Option</th> <th>Internal thread</th> <th>External thread</th> <th>h [mm]</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>25E ISO 11363-1</td> <td>-</td> <td>≈25</td> </tr> <tr> <td>2</td> <td>1" NGT</td> <td>-</td> <td>≈25</td> </tr> <tr> <td>3</td> <td>3/4" NGT</td> <td>-</td> <td>≈35</td> </tr> </tbody> </table>	Option	Internal thread	External thread	h [mm]	1	25E ISO 11363-1	-	≈25	2	1" NGT	-	≈25	3	3/4" NGT	-
Option	Internal thread	External thread	h [mm]														
1	25E ISO 11363-1	-	≈25														
2	1" NGT	-	≈25														
3	3/4" NGT	-	≈35														



Chemical composition: Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO9809-1 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 9809-1

Country of Approval	Europe	USA	Canada	Russian Federation
Certification Availability	PED Approved in accordance with directive 2014/68/EU	Achievable on customer's request	Achievable on customer's request	EAC Approval <i>available</i> on customer's request