

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 -	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

