

## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 273x7.7 WP300barg – TP450barg

DIMENSIONS	Water capacity [l] <sup>-2,5%</sup> / <sub>+2,5%</sub>	40	50	60	70	80	90	100	All sizes from 25 to 110L are feasible for manufacturing	
	Nominal weight [Kg]	60	71	83	94	105	116	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

DESIGN DATA	Minimum design thickness of the cylindrical wall: <b>7.7 mm</b>			
	<b>Working Pressure: up to 300 barg</b>	<b>Hydrostatic Test Pressure: 450 barg</b>		
	<b>Burst Pressure: ≥ 720 barg</b>			
	<b>Service temperature: -40°C +82°C</b>			
	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 ISO9809-2 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 directive 2014/68/EU	Achievable on customer's request	Achievable on customer's request	EAC Approval <i>available</i> on customer's request

