

## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 273x8.1 WP300barg – TP429barg

DIMENSIONS	Water capacity [l] <sup>-2,5%</sup> / <sub>+2,5%</sub>	40	50	60	80	90	100	110	All sizes from 40 to 110L are feasible for manufacturing Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc. Dimension are in accordance with thread option n.1
	Nominal weight [Kg]	54	66	78	100	111	122	133	
	Length L [mm] ±20	870	1060	1260	1650	1850	2040	2240	

DESIGN DATA	Minimum design thickness of the cylindrical wall: <b>8.1 mm</b>			
	<b>Working Pressure: up to 300 barg</b>	<b>Hydrostatic Test Pressure: 429 barg</b>		
	<b>Burst Pressure: ≥ 650 barg</b>			
	<b>Service temperature: -40°C +80°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	-	≈25

**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 directive 2014/68/EU	Achievable on customer's request	Achievable on customer's request	EAC Approval <i>available</i> on customer's request

