

## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 316x4.0 WP60barg – TP90barg

DIMENSIONS	Water capacity [l] <sup>-2,5%</sup> / <sub>+2,5%</sub>	50	60	80	100	103	120	150	All sizes from 35 to 150L are feasible for manufacturing	
	Nominal weight [Kg]	37	45	55	65	69	75	90		Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	820	955	1225	1500	1540	1770	2175		Dimension are in accordance with thread option n.1

DESIGN DATA	Minimum design thickness of the cylindrical wall: <b>4.0 mm</b>			
	<b>Working Pressure: up to 60 barg</b>	<b>Hydrostatic Test Pressure: 90 barg</b>		
	<b>Burst Pressure: ≥ 162 barg</b>			
	<b>Service temperature: -50°C +65°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	3" – 12UN – 2B	M95x2	≈40
	2	1" NGT	Neckring W80-1/11"	≈35
	3	-	2.5" – 12UN – 2A	≈60

**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	TPED Approved in accordance with directive 2010/35/EU	Achievable on customer's request	Achievable on customer's request	EAC Approval <i>available</i> on customer's request

