

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 348x6.0 WP167barg – TP250barg

DIMENSIONS	Water capacity [l] _{-2,5%} _{+2,5%}	60	80	100	120	140	150	All sizes from 60 to 150L are feasible for manufacturing	
	Nominal weight [Kg]	70	80	94	111	126	133		Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	855	1085	1315	1545	1775	1890		Dimension are in accordance with thread option n.1

DESIGN DATA	Minimum design thickness of the cylindrical wall:		6.0 mm		
	Working Pressure: up to 167 barg		Hydrostatic Test Pressure: 250 barg		Burst Pressure: ≥ 400 barg
	Service temperature: -50°C +65°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
		1	-	2.5"-12UN-2A	≈60
		2	-	M50x2	≈65
		3	1" NGT	Neckring W80-1/11"	≈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	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

