

## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 345x4.0 WP100barg – TP150barg

DIMENSIONS	Water capacity [l] $_{-2,5\%}^{+2,5\%}$	60	80	100	110	120	140	150	All sizes from 60 to 150L are feasible for manufacturing
	Nominal weight [Kg]	45	60	73	78	83	92	97	Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] $\pm 20$	870	1100	1330	1445	1560	1790	1905	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 100 barg</b>	<b>Hydrostatic Test Pressure: 150 barg</b>		
	<b>Burst Pressure: <math>\geq 240</math> 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	1" NGT	Neckring W80-1/11"	$\approx 35$
	2	-	M50x2	$\approx 65$
	3	-	2.5"-12UN-2A	$\approx 60$

**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  $>60\mu\text{m}$ )

**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

