

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 320x6.6 WP200barg – TP300barg

DIMENSIONS	Water capacity [l] $_{-2,5\%}^{+2,5\%}$	50	60	80	100	103	120	150	All sizes from 35 to 150L 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]	58	66	81	95	98	110	132	
	Length L [mm] ± 20	820	955	1225	1500	1540	1770	2175	

DESIGN DATA	Minimum design thickness of the cylindrical wall: 6.6 mm																
	Working Pressure: up to 200 barg	Hydrostatic Test Pressure: 300 barg															
	Burst Pressure: ≥ 480 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 -	<table border="1"> <thead> <tr> <th>Option</th> <th>Internal thread</th> <th>External thread</th> <th>h [mm]</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>25E ISO 11363-1</td> <td>Neckring W80-1/11"</td> <td>≈ 35</td> </tr> <tr> <td>2</td> <td>1" NGT</td> <td>Neckring W80-1/11"</td> <td>≈ 35</td> </tr> <tr> <td>3</td> <td>-</td> <td>2.5" – 12UN – 2A</td> <td>≈ 60</td> </tr> </tbody> </table>	Option	Internal thread	External thread	h [mm]	1	25E ISO 11363-1	Neckring W80-1/11"	≈ 35	2	1" NGT	Neckring W80-1/11"	≈ 35	3	-	2.5" – 12UN – 2A
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1	25E ISO 11363-1	Neckring W80-1/11"	≈ 35														
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 $>60\mu\text{m}$)

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

