

Seamless Steel Refillable Cylinder
for compressed, mixed and liquefied gases
Ø 267x5.5 WP200barg – TP300barg

DIMENSIONS	Water capacity [l] $_{-2,5\%}^{+2,5\%}$	40	50	60	67.5	80	90	100	All sizes from 30 to 100L are feasible for manufacturing
	Nominal weight [Kg]	38	48	57	63	72	81	90	Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ± 20	895	1090	1285	1440	1675	1870	2060	Dimension are in accordance with thread option n.1

DESIGN DATA	Minimum design thickness of the cylindrical wall: 5.5 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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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

