

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 405x6.9 WP167barg – TP250barg

DIMENSIONS	Water capacity [l] $_{-2,5\%}^{+2,5\%}$	80	120	140	180	190	200	240	All sizes from 80 to 240L 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]	100	113	124	146	150	157	189	
	Length L [mm] ±20	825	1160	1325	1660	1745	1830	2180	

DESIGN DATA	Minimum design thickness of the cylindrical wall: 6.9 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 -	<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"1/4 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"1/4 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 ISO 9809-1 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

