

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 406.4x5.5 WP63.7barg – TP98barg

DIMENSIONS	Water capacity [l] ${}_{-2.5\%}^{+2.5\%}$	80	100	120	140	180	200	220	All sizes from 80 to 220L are feasible for manufacturing
	Nominal weight [Kg]	70	80	90	100	123	135	150	Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	790	965	1145	1290	1650	1830	2010	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 63.7 barg	Hydrostatic Test Pressure: 98 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>3" – 12UN – 2B</td> <td>M105x2</td> <td>≈40</td> </tr> <tr> <td>2</td> <td>3" – 12UN – 2B</td> <td>M95x2</td> <td>≈40</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	3" – 12UN – 2B	M105x2	≈40	2	3" – 12UN – 2B	M95x2	≈40	3	-	2,5" – 12UN – 2A
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Chemical composition: Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO9809-2 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	 UN Marked cylinders approved in accordance with CSA B341-09, accepted in both countries. For water capacities > 150L CFR49 Approved with DOT3AA	For water capacities > 150L Approved by TC Equivalency Certificate	EAC Approval <i>available</i> on customer's request

