

DATASHEET AE005



Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases

Ø 406.4x5.5 WP63.7barg – TP98barg

DIMENSIONS	Water capacity [I] -2,5%	80	100	120	140	180	200	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

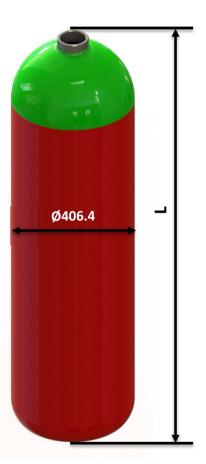
	Minimum design thickness of the cylindrical	wall:	5.5 mm					
DATA	Working Pressure: up to 63.7 barg		static Test Pressure: 98 ba	rg Burst Pressure: ≥	Burst Pressure: ≥ 176 barg			
	Service temperature: -50°C +65°C							
	Use of cylinder for gases causing embrittlement and corrosion of the steel is forbidden.							
N S S	The gas contained in the cylinder must be in accordance with the standard ISO 11114-1.							
DESIG		Option	Internal thread	External thread	h [mm]			
	Neck Thread:	1	3" – 12UN – 2B	M105x2	≈40			
	- Alternative thread to Customer's requirement -	2	3" – 12UN – 2B	M95x2	≈40			
		3	-	2,5" – 12UN – 2A	≈60			

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
Coutification Availability	TPED Approved in	UN Marked cylinders CSA B341-09, acc	EAC Approval <i>available</i> on	
Certification Availability	accordance with directive 2010/35/EU	For water capacities > 150L CFR49 Approved with DOT3AA	For water capacities > 150L Approved by TC Equivalency Certificate	customer's request



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