

MV. DATASHEET AD003/AE009

ONLY FOR COMMERCIAL USE

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases **Ø 273.0x7.7 WP300barg – TP450barg**

DIMENSIONS	Water capacity [I] $^{-2,5\%}_{+2,5\%}$	30	50	60	80	83	90	100	All sizes from 30 to 100L are
									feasible for manufacturing
	Nominal weight [Kg]	46	68	79	102	105	113	124	Net weight of the cylinder with
									neckring (if present) without valve,
									fittings, paint etc.
	Length L [mm] ±20	700	1090	1285	1675	1740	1870	2065	Dimension are in accordance
									with thread option n.1

	Minimum design thickness of the cylindrical wall: 7.7 mm								
DATA	Working Pressure: up to 300 barg		static Test Pressure: 450 ba	arg Burst Pressure: ≥	720 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.								
DESIGN		Option	Internal thread	External thread	h [mm]				
	Neck Thread:	1	25E ISO 11363-1	Neckring W80-1/11"	≈35				
	- Alternative thread to Customer's requirement -	2	1" NGT	Neckring W80-1/11"	≈35				
		3	1"1/4 NGT	Neckring W80-1/11"	≈35				

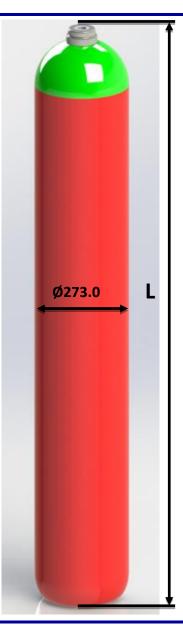
Chemical composition: Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO9809-2 par.6

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 9809-2

Country of Approval	Europe	USA	Canada	Russian Federation
Certification Availability	TPED Approved in accordance with directive 2010/35/EU	UN Marked cylinders appro CSA B341-09, accepte	EAC Approval <u>available</u> on customer's request	



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