

DATASHEET AC040

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

NS	Water capacity [I] $^{-2,5\%}_{+2,5\%}$	40	50	60	67.5	80	90	100	All sizes from 30 to 100L are feasible for manufacturing
MENSIO	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

	Minimum design thickness of the cylindrical	wall:	5.5 mm					
	Working Pressure: up to 200 barg		static Test Pressure: 300 ba	arg Burst Pressure: ≥	Burst Pressure: ≥ 480 barg			
⊴	Service temperature: -50°C +65°C							
DA	Use of cylinder for gases causing embrittlement and corrosion of the steel is forbidden.							
N U	The gas contained in the cylinder must be in accordance with the standard ISO 11114-1.							
ESI(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	=	2,5"-12UN-2A	≈60			

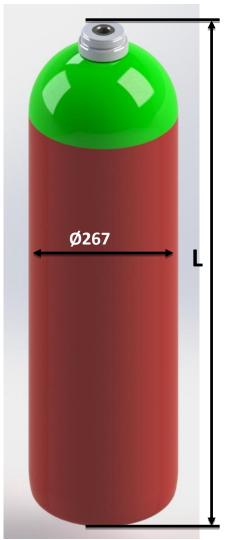
Chemical composition: Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO9809-1 par.6

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 >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 <u>available</u> on customer's request	



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