

DATASHEET AC078



Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 345x4.0 WP100barg – TP150barg

DIMENSIONS	Water capacity [I] $^{-2,5\%}_{+2,5\%}$	60	80	100	110	120	140	150	All sizes from 60 to 150L are feasible for manufacturing
	Nominal weight [Kg]	45	60	73	78	83	92	97	Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	870	1100	1330	1445	1560	1790	1905	Dimension are in accordance with thread option n.1

	Minimum design thickness of the cylindrical	wall:	4.0 mm						
⋖	Working Pressure: up to 100 barg		static Test Pressure: 150 ba	arg Burst Pressure: ≥	Burst Pressure: ≥ 240 barg				
	Service temperature: -50°C +65°C								
DAT	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	1" NGT	Neckring W80-1/11"	≈35				
	- Alternative thread to Customer's requirement -	2	-	M50x2	≈65				
		3	-	2.5"-12UN-2A	≈60				

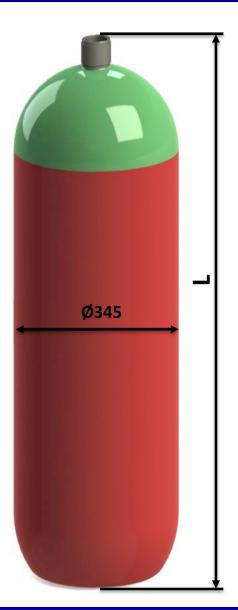
Chemical composition: Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO9809-1 par.6

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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