

## **DATASHEET AC056**



## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases

Ø 316x4.0 WP60barg – TP90barg

NS	Water capacity [I] $^{-2,5\%}_{+2,5\%}$	50	60	80	100	103	120	150	All sizes from 35 to 150L are feasible for manufacturing
MENSIO	Nominal weight [Kg]	37	45	55	65	69	75	90	Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	820	955	1225	1500	1540	1770	2175	Dimension are in accordance with thread option n.1

	Minimum design thickness of the cylindrical	wall:	4.0 mm					
	Working Pressure: up to 60 barg		static Test Pressure: 90 bai	rg Burst Pressure: ≥	Burst Pressure: ≥ 162 barg			
TA	Service temperature: -50°C +65°C							
DAT	Use of cylinder for gases causing embrittlement and corrosion of the steel is forbidden.							
N	The gas contained in the cylinder must be in accordance with the standard ISO 11114-1.							
DESIGN		Option	Internal thread	External thread	h [mm]			
Ω	Neck Thread:	1	3" – 12UN – 2B	M95x2	≈40			
	- Alternative thread to Customer's requirement -	2	1" NGT	Neckring W80-1/11"	≈35			
		3	-	2.5" – 12UN – 2A	≈60			

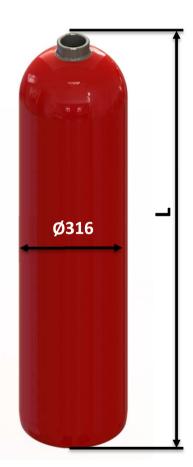
Chemical composition: Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO9809-1 par.6

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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