

## **DATASHEET AC038**



## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases **Ø 405x12.6 WP300barg – TP450barg**

DIMENSIONS	Water capacity [I] -2,5%	80	90	100	120	140	150	180	All sizes from 80 to 150L are feasible for manufacturing
	Nominal weight [Kg]	135	146	157	179	201	212		Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	865	950	1040	1215	1380	1480	1745	Dimension are in accordance with thread option n.1

	Minimum design thickness of the cylindrical wall: 12.6 mm							
Æ	Working Pressure: up to 300 barg	Hydrostatic Test Pressure: 45		arg Burst Pressure: ≥	720 barg			
	Service temperature: -50°C +65°C							
DAT	Use of cylinder for gases causing embrittlement and corrosion of the steel is forbidden.							
GN	The gas contained in the cylinder must be in accordance with the standard ISO 11114-1.							
DESI(		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"1/4 NGT	Neckring W80-1/11"	≈35			
		3	-	2.5" - 12UN - 2A	≈60			

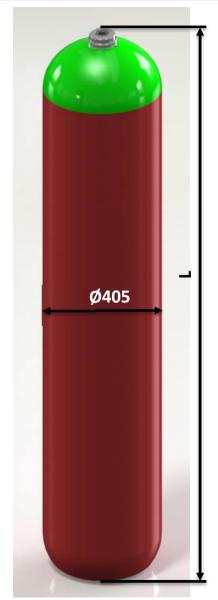
Chemical composition: Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with EN 1964-1 par.6

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

Co	untry of Approval	Europe	USA	Canada	Russian Federation
Certi	fication 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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