

DATASHEET AC055

ONLY FOR COMMERCIAL USE

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases **Ø 267x4.6 WP167barg – TP250barg**

DIMENSIONS	Water capacity [I] -2,5% +2,5%	30	40	50	60	67.5	80	100	All sizes from 40 to 100L are feasible for manufacturing
	Nominal weight [Kg]	30	40	47	52	57	65		Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	705	895	1090	1285	1440	1675	2060	Dimension are in accordance with thread option n.1

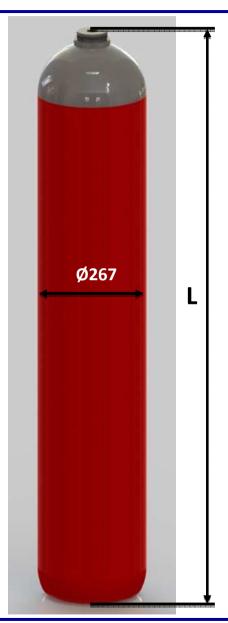
	Minimum design thickness of the cylindrical wall: 4.6 mm							
DESIGN DATA	Working Pressure: up to 167 barg	Hydrostatic Test Pressure: 250 bar		arg Burst Pressure: ≥	400 barg			
	Service temperature: -50°C +65°C							
	Use of cylinder for gases causing embrittlement and corrosion of the steel is forbidden.							
	The gas contained in the cylinder must be in accordance with the standard ISO 11114-1.							
		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	on 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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