

DATASHEET AC051



Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 393x6.9 WP167barg – TP250barg

DIMENSIONS	Water capacity $[I]_{+2,5\%}^{-2,5\%}$	80	120	140	180	190	200	230	All sizes from 80 to 230L are feasible for manufacturing
	Nominal weight [Kg]	77	102	114	138	144	150	183	Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	860	1210	1385	1740	1820	1900	2180	Dimension are in accordance with thread option n.1

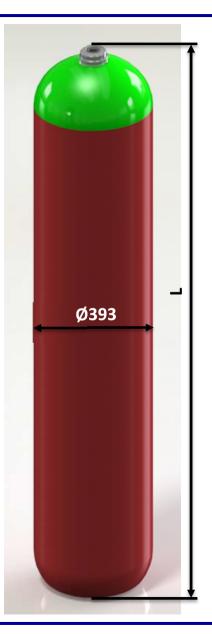
	Minimum design thickness of the cylindrical wall: 6.9 mm							
DESIGN DATA	Working Pressure: up to 167 barg	Hydrostatic Test Pressure: 250 b		arg Burst Pressure: ≥	400 barg			
	Service temperature: -50°C +65°C							
	Use of cylinder for gases causing embrittlement and corrosion of the steel is forbidden.							
	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"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 ISO 9809-1 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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