

DATASHEET AC073

ONLY FOR
COMMERCIAL USE

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 320x6.6 WP200barg – TP300barg

DIMENSIONS	Water capacity [l] $-2,5\%$ $+2,5\%$	50	60	80	100	103	120	150	All sizes from 35 to 150L are feasible for manufacturing
	Nominal weight [Kg]	58	66	81	95	98	110	132	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

DESIGN DATA	Minimum design thickness of the cylindrical wall:		6.6 mm			
	Working Pressure: up to 200 barg		Hydrostatic Test Pressure: 300 barg		Burst Pressure: ≥ 480 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.					
	Neck Thread: - Alternative thread to Customer's requirement -	Option	Internal thread	External thread		h [mm]
		1	25E ISO 11363-1	Neckring W80-1/11"		≈35
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 $>60\mu\text{m}$)

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

