

 Seamless Steel Refillable Cylinder
 for compressed, mixed and liquefied gases
Ø 355.6x10 WP300barg – TP450barg

DIMENSIONS	Water capacity [l] _{-2,5%} _{+2,5%}	60	80	100	120	140	166	180	All sizes from 60 to 180L are feasible for manufacturing	
	Nominal weight [Kg]	92	114	135	158	180	203	210		Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	840	1070	1300	1530	1760	2065	2180		Dimension are in accordance with thread option n.1

DESIGN DATA	Minimum design thickness of the cylindrical wall: 10.0 mm			
	Working Pressure: up to 300 barg	Hydrostatic Test Pressure: 450 barg		
	Burst Pressure: ≥ 720 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	1"1/4 NGT	Neckring W80-1/11"	≈35

Chemical composition: Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO9809-2 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 9809-2

Country of Approval	Europe	USA	Canada	Russian Federation
Certification Availability	TPED Approved in accordance with directive 2010/35/EU	Application pending for approval	Application pending for approval	EAC Approval <i>available</i> on customer's request

