

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 350x7.7 WP200bar – TP300bar

DIMENSIONS	Water capacity [l] ^{-2,5%} / _{+2,5%}	60	80	100	110	120	140	150	All sizes from 60 to 150L are feasible for manufacturing	
	Nominal weight [Kg]	60	74	88	95	101	115	122		Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	815	1040	1270	1380	1500	1720	1830		Dimension are in accordance with thread option n.1

DESIGN DATA	Minimum design thickness of the cylindrical wall: 7.7 mm			
	Working Pressure: up to 200 barg	Hydrostatic Test Pressure: 300 barg		
	Burst Pressure: ≥ 450 barg			
	Service temperature: -40°C +82°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	-	≈25
	2	1" NGT	-	≈25
	3	1"1/8 – 12UNF – 2B	-	≈25

Chemical composition: Steel 34CrMo4 EN10083 part 1&3

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 11439

Country of Approval	Europe	USA	Canada	Russian Federation
Certification Availability	Approved CNG-1	Achievable on customer's request	Achievable on customer's request	EAC Approval <i>available</i> on customer's request

