

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 400x8.3 WP200bar – TP300bar

DIMENSIONS	Water capacity [l] $_{-2,5\%}^{+2,5\%}$	80	100	130	All sizes from 80 to 180L are feasible for manufacturing Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc. Dimension are in accordance with thread option n.1
	Nominal weight [Kg]	83	100	120	
	Length L [mm] ± 20	845	1020	1290	

DESIGN DATA	Minimum design thickness of the cylindrical wall: 8.3 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 $>60\mu\text{m}$)

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

