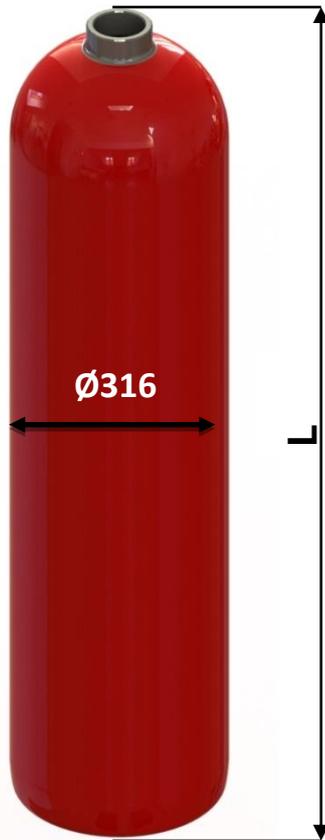


Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases
Ø 316x4.0 WP60bar – TP90bar



CYLINDER DIMENSION							
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]	37	45	55	65	69	75	90
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							
Neck Thread: - Alternative thread to Customer's requirement -							
Option	Internal thread		External thread		mm]		
1	3"-12UN-2B		M95x2		≈40		
2	1" NGT		Neckring W80-1/11"		≈35		
3	-		2,5"-12UN-2A		≈60		

DESIGN DATA

Minimum design thickness of the cylindrical wall:		4.0 mm
Working Pressure: up to 60 bar	Hydrostatic Test Pressure: 90 bar	Burst Pressure: ≥ 162 bar
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.		
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 >60µm)		

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 <i>available</i> on customer's request