

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases
Ø 267x6.2 WP200bar – TP300bar



CYLINDER DIMENSION							
Water capacity [l] [-2,5% +2,5%]	25	30	40	50	80	90	100
All sizes from 25 to 100L are feasible for manufacturing.							
Nominal weight [Kg]	40	43	50	57	78	85	93
Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.							
Length L mm ±20	780	820	1005	1200	1785	1980	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	-		2,5"-12UN-2A		≈60		
2	25E ISO11363-1		-		≈25		
3	1" NGT		Neckring W80-1/11"		≈35		

DESIGN DATA		
Minimum design thickness of the cylindrical wall:		6.2 mm
Working Pressure: up to 200 bar	Hydrostatic Test Pressure: 300 bar	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.		
Chemical composition: Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO989-1 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 <u>available</u> on customer's request