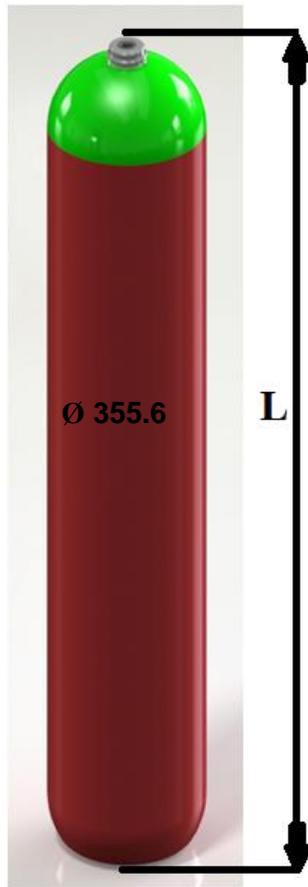


## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 355.6x10.0 WP300bar – TP450bar



CYLINDER DIMENSION							
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							
<b>Neck Thread:</b> - Alternative thread to Customer's requirement -							
Option	Internal thread		External thread		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		

DESIGN DATA					
Minimum design thickness of the cylindrical wall:				10.0 mm	
Working Pressure: up to 300 bar		Hydrostatic Test Pressure: 450 bar		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.					
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 9809-2					
Country of Approval	Europe	USA	Canada	India	Russian Federation
Certification Availability	TPED approved in accordance with directive 2010/35/EU	Application pending for approval	Application pending for approval	PESO certification available from June 2023.	EAC Approval <u>available</u> on customer's request