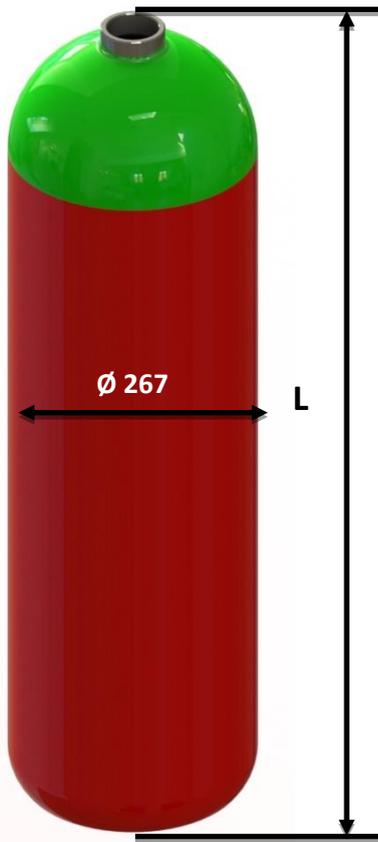


Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases  
**Ø 267x5,5 WP200bar – TP300bar**



CYLINDER DIMENSION							
Water capacity [l] [-2,5% +2,5%]	40	50	60	67.5	80	90	100
All sizes from 40 to 100L are feasible for manufacturing.							
Nominal weight [Kg]	40	50	57	65	74	81	90
Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.							
Length L mm ±20	895	1090	1285	1440	1675	1870	2060
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"1/4 NGT		Neckring W80-1/11"		≈35		
3	-		2.5" - 12UN - 2A		≈60		

## DESIGN DATA

<b>Minimum design thickness of the cylindrical wall:</b>		<b>5.5 mm</b>
<b>Working Pressure:</b> up to 200 bar	<b>Hydrostatic Test Pressure:</b> 300 bar	<b>Burst Pressure:</b> ≥ 480 barg
<b>Service temperature:</b> -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.		
<b>Chemical composition:</b> Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO9809-1 par.6		
<b>Manufacturing process:</b> Hot spinning of seamless steel tube		
<b>Heat treatment:</b> Quenching (with polymer) and Tempering		
<b>Paint:</b> 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