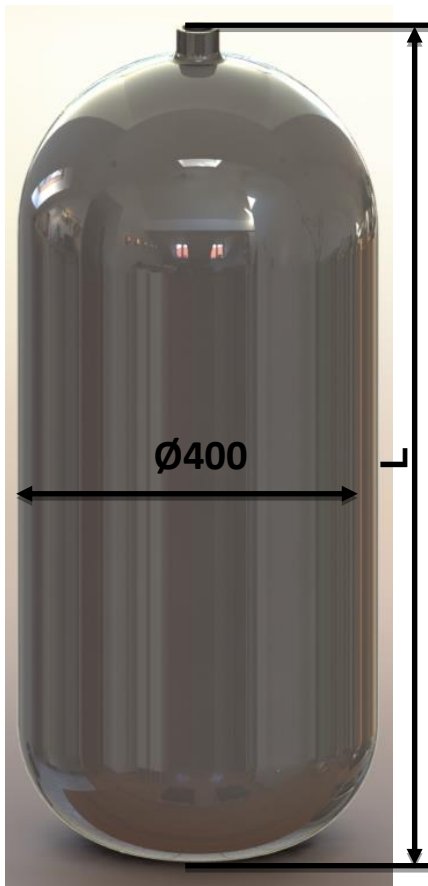


## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 400x8.3 WP200bar – TP300bar



CYLINDER DIMENSION				
Water capacity [l] <sup>-2,5%</sup> <sub>+2,5%</sub>	80	100	130	
All sizes from 60 to 150L are feasible for manufacturing.				
Nominal weight [Kg]	85	100	121	
Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.				
Length L mm ±20	845	1020	1290	
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	-	≈25	
2	" NGT	-	≈25	
3	1"1/8 – 12UNF – 2B	-	≈25	

DESIGN DATA		
<b>Minimum design thickness of the cylindrical wall:</b>		<b>8.3 mm</b>
<b>Working Pressure:</b> up to 200 bar	<b>Hydrostatic Test Pressure:</b> 300 bar	<b>Burst Pressure:</b> ≥450 barg
<b>Service temperature:</b> -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.		
<b>Chemical composition:</b> Steel 34CrMo4 EN10083 part 1&3		
<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 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 <u>available</u> on customer's request