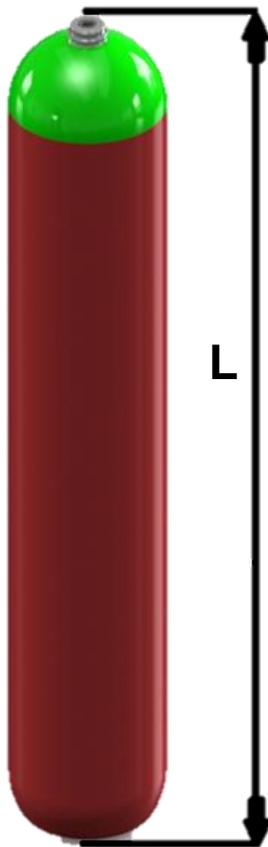


## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 273x7.7 WP300bar – TP450bar



CYLINDER DIMENSION							
Water capacity [l] [-2,5% +2,5%	30	50	60	80	83	90	100
All sizes from 30 to 100L are feasible for manufacturing.							
Nominal weight [Kg]	46	68	79	103	105	113	124
Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.							
Length L mm ±20	700	1090	1285	1675	1740	1870	2065
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

<b>Minimum design thickness of the cylindrical wall:</b>		<b>7.7 mm</b>
<b>Working Pressure:</b> up to 300 bar	<b>Hydrostatic Test Pressure:</b> 450 bar	<b>Burst Pressure:</b> ≥ 720 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 ISO9809-2 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 9809-2				
Country of Approval	Europe	USA	Canada	Russian Federation
Certification Availability	TPED approved in accordance with directive 2010/35/EU	Application pending for approval	Application pending for approval	EAC Approval <i>available</i> on customer's request