

Seamless Steel Refillable Cylinder  
for compressed, mixed and liquefied gases  
**Ø 400x6.9 WP167barg – TP250barg**

DIMENSIONS	Water capacity [l] $_{-2,5\%}^{+2,5\%}$	80	90	100	120	130	140	150	All sizes from 80 to 150L are feasible for manufacturing Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc. Dimension are in accordance with thread option n.1
	Nominal weight [Kg]	90	98	106	122	130	138	146	
	Length L [mm] $\pm 20$	900	985	1070	1240	1325	1410	1495	

DESIGN DATA	Minimum design thickness of the cylindrical wall: <b>6.9 mm</b>			
	<b>Working Pressure: up to 167 barg</b>	<b>Hydrostatic Test Pressure: 250 barg</b>		
	<b>Burst Pressure: <math>\geq 400</math> barg</b>			
	<b>Service temperature: -50°C +65°C</b>			
	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.			
Neck Thread: - Alternative thread to Customer's requirement -	Option	Internal thread	External thread	h [mm]
	1	25E ISO 11363-1	Neckring W80-1/11"	$\approx 35$
	2	3" – 12UN – 2B	M95x2	$\approx 40$
	3	-	2.5" - 12UN - 2A	$\approx 60$

**Chemical composition:** Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO 9809-1 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  $>60\mu\text{m}$ )

**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

