

### Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 267x4.6 WP167barg – TP250barg

DIMENSIONS	Water capacity [l]	30	40	50	60	67.5	80	100	All sizes from 40 to 100L are feasible for manufacturing	
	-2,5% +2,5%									
	Nominal weight [Kg]	30	40	47	52	57	65	78		Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
Length L [mm] ±20	705	895	1090	1285	1440	1675	2060	Dimension are in accordance with thread option n.1		

DESIGN DATA	Minimum design thickness of the cylindrical wall: <b>4.6 mm</b>																
	<b>Working Pressure: up to 167 barg</b>	<b>Hydrostatic Test Pressure: 250 barg</b>															
	<b>Burst Pressure: ≥ 400 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 -	<table border="1"> <thead> <tr> <th>Option</th> <th>Internal thread</th> <th>External thread</th> <th>h [mm]</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>25E ISO 11363-1</td> <td>Neckring W80-1/11"</td> <td>≈35</td> </tr> <tr> <td>2</td> <td>1" NGT</td> <td>Neckring W80-1/11"</td> <td>≈35</td> </tr> <tr> <td>3</td> <td>-</td> <td>2,5"-12UN-2A</td> <td>≈60</td> </tr> </tbody> </table>	Option	Internal thread	External thread	h [mm]	1	25E ISO 11363-1	Neckring W80-1/11"	≈35	2	1" NGT	Neckring W80-1/11"	≈35	3	-	2,5"-12UN-2A
Option	Internal thread	External thread	h [mm]														
1	25E ISO 11363-1	Neckring W80-1/11"	≈35														
2	1" NGT	Neckring W80-1/11"	≈35														
3	-	2,5"-12UN-2A	≈60														

**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 9809-1

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

