

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 267 x6.2 WP200barg – TP300barg

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|------------|---|-----|-----|------|------|------|------|------|---|
| DIMENSIONS | Water capacity [l] $_{-2,5\%}^{+2,5\%}$ | 25 | 30 | 40 | 50 | 80 | 90 | 100 | All sizes from 25 to 100L are feasible for manufacturing |
| | Nominal weight [Kg] | 40 | 43 | 50 | 57 | 78 | 85 | 93 | Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc. |
| | Length L [mm] ± 20 | 780 | 820 | 1005 | 1200 | 1785 | 1980 | 2175 | Dimension are in accordance with thread option n.1 |

| DESIGN DATA | Minimum design thickness of the cylindrical wall: 6.2 mm | | | | | | | | | | | | | | | | |
|-------------|--|--|--------|-----------------|-----------------|--------|---|---|------------------|-----|---|-----------------|---|-----|---|--------|--------------------|
| | Working Pressure: up to 200 barg | Hydrostatic Test Pressure: 330 barg Burst Pressure: ≥ 528 barg | | | | | | | | | | | | | | | |
| | Service temperature: -50°C +85°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. | | | | | | | | | | | | | | | | |
| | 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>-</td> <td>2.5" – 12UN – 2A</td> <td>≈60</td> </tr> <tr> <td>2</td> <td>25E ISO 11363-1</td> <td>-</td> <td>≈25</td> </tr> <tr> <td>3</td> <td>1" NGT</td> <td>Neckring W80-1/11"</td> <td>≈35</td> </tr> </tbody> </table> | Option | Internal thread | External thread | h [mm] | 1 | - | 2.5" – 12UN – 2A | ≈60 | 2 | 25E ISO 11363-1 | - | ≈25 | 3 | 1" NGT | Neckring W80-1/11" |
| Option | Internal thread | External thread | h [mm] | | | | | | | | | | | | | | |
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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

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|----------------------------|---|----------------------------------|----------------------------------|---|
| 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 |

