

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 316x4.0 WP80barg – TP132barg

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|------------|---|-----|-----|-----|------|------|------|------|--|
| DIMENSIONS | Water capacity [l] $_{-2,5\%}^{+2,5\%}$ | 40 | 45 | 60 | 80 | 120 | 140 | 150 | All sizes from 40 to 150L are feasible for manufacturing |
| | Nominal weight [Kg] | 39 | 42 | 49 | 59 | 79 | 89 | 94 | Net weight of the cylinder with footing (if present) without valve, fittings, paint etc. |
| | Length L [mm] ± 20 | 700 | 770 | 975 | 1515 | 1790 | 2060 | 2200 | Dimension are in accordance with thread option n.1 |

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| DESIGN DATA | Minimum design thickness of the cylindrical wall: 4.0 mm | | | |
| | Working Pressure: up to 80 barg | Hydrostatic Test Pressure: 132 barg | | |
| | Burst Pressure: ≥ 212 barg | | | |
| | Service temperature: -50°C +80°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 - | Option | Internal thread | External thread | h [mm] |
| | 1 | - | M146x2 | ≈45 |
| | 2 | 25E ISO 11363-1 | Neckring W80-1/11" | ≈35 |
| | 3 | 3" – 12UN – 2B | M95x2 | ≈40 |

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 |

