

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 393x6.9 WP167barg – TP250barg

| DIMENSIONS | Water capacity [l] ^{-2,5%} / _{+2,5%} | 80 | 120 | 140 | 180 | 190 | 200 | 230 | All sizes from 80 to 230L 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] | 77 | 102 | 114 | 138 | 144 | 150 | 183 | |
| | Length L [mm] ±20 | 860 | 1210 | 1385 | 1740 | 1820 | 1900 | 2180 | |

| DESIGN DATA | Minimum design thickness of the cylindrical wall: 6.9 mm | | | | | | | | | | | | | | | | |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|-----------------|--------|---|-----------------|--------------------|-----|---|-----------|--------------------|-----|---|---|------------------|
| | Working Pressure: up to 167 barg | Hydrostatic Test Pressure: 250 barg | | | | | | | | | | | | | | | |
| | Burst Pressure: ≥ 400 barg | | | | | | | | | | | | | | | | |
| | Service temperature: -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. | | | | | | | | | | | | | | | | |
| | 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"1/4 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"1/4 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 | | | | | | | | | | | | | | |
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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 >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 |

