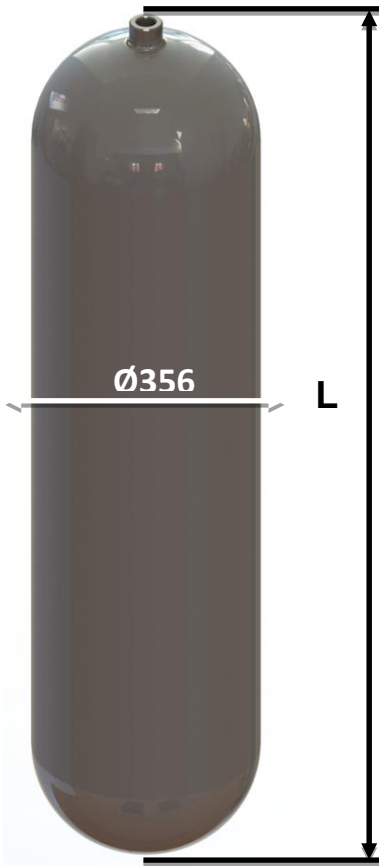


Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 356x10,0 WP300bar – TP450bar



| CYLINDER DIMENSION | | | | | | | |
|---|-----------------|------|-----------------|------|------|------|------|
| Water capacity [l] -2,5% +2,5% | 100 | 125 | 130 | 140 | 150 | 160 | 175 |
| All sizes from 100 to 175L are feasible for manufacturing. | | | | | | | |
| Nominal weight [Kg] | 135 | 160 | 165 | 175 | 186 | 198 | 215 |
| Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc. | | | | | | | |
| Length L mm ±20 | 1300 | 1585 | 1640 | 1755 | 1870 | 1985 | 2160 |
| Dimension are in accordance with thread option n.1 | | | | | | | |
| Neck Thread: - Alternative thread to Customer's requirement - | | | | | | | |
| Option | Internal thread | | External thread | | mm] | | |
| 1 | 25E ISO 11363-1 | | - | | ≈25 | | |
| 2 | 1" NGT | | - | | ≈35 | | |
| 3 | ¾" x 1/14 NGT | | - | | ≈35 | | |

| DESIGN DATA | | |
|--|---|-----------------------------------|
| Minimum design thickness of the cylindrical wall: | | 10.0 mm |
| Working Pressure: up to 300 bar | Hydrostatic Test Pressure: 450 bar | Burst Pressure: ≥ 720 barg |
| Service temperature: -40°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. | | |
| Chemical composition: Steel 34CrMo4 EN10083 part 1&3 | | |
| 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 9809-2 | | | | |
|------------------------------------|--|----------------------------------|----------------------------------|----------------------------------|
| Country of Approval | Europe | USA | Canada | Russian Federation |
| Certification Availability | PED Approved in accordance with 2014/68/UE | Achievable on customer's request | Achievable on customer's request | Achievable on customer's request |