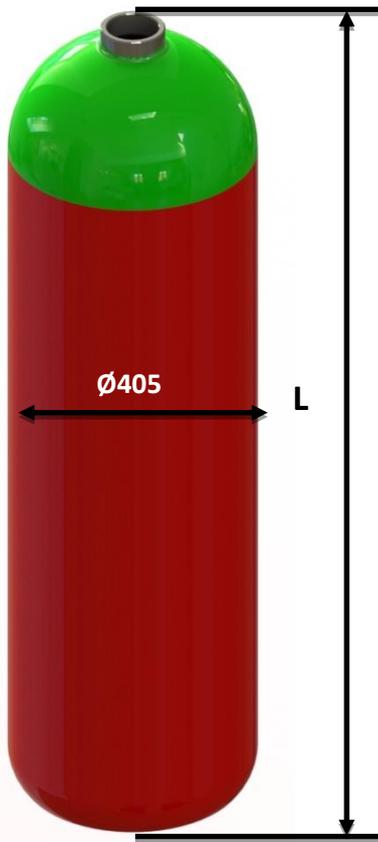


Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases
Ø 405x12,6 WP300bar – TP450bar



| CYLINDER DIMENSION | | | | | | | |
|-------------------------------------------------------------------------------------------|-----------------|-----|--------------------|------|------|------|------|
| Water capacity [l] -2,5% +2,5% | 80 | 90 | 100 | 120 | 140 | 150 | 180 |
| All sizes from 80 to 180L are feasible for manufacturing. | | | | | | | |
| Nominal weight [Kg] | 135 | 146 | 157 | 179 | 201 | 212 | 245 |
| Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc. | | | | | | | |
| Length L mm ±20 | 865 | 950 | 1040 | 1215 | 1380 | 1480 | 1745 |
| 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 | | Neckring W80-1/11" | | ≈35 | | |
| 2 | 1"1/4 NGT | | Neckring W80-1/11" | | ≈35 | | |
| 3 | - | | 2.5" - 12UN - 2A | | ≈60 | | |

DESIGN DATA

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------|
| Minimum design thickness of the cylindrical wall: | | 12.6 mm |
| Working Pressure: up to 300 bar | Hydrostatic Test Pressure: 450 bar | Burst Pressure: ≥ 720 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. | | |
| 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 |