CMV SRL

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

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 footring (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

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

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 _available_ on customer's request

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