## **DATASHEET AB063**

## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 273x7.7 WP300bar – TP450bar

Ø273	L
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CYLINDER DIMENSION									
Water capacity [I] <sup>-2,5%</sup> +2,5%	40	50	60	70	80	9	0	100	
All sizes from	All sizes from 25 to 110L are feasible for manufacturing.								
Nominal weight [Kg]	60	70	81	92	102	11	0	127	
Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.									
Length L mm ±20	1000	1190	1385	1575	1770	1960		2150	
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			-			≈25		
3	3⁄4" NGT			-			≈25		

DESIGN DATA								
Minimum design thickness of the cylindrical wall:			7.7 mm					
Working Pressure: up to 300 bar Hydrostatic Test Pressure: 450 bar			Burst Pressure: ≥ 720 barg					
Service temperatu	Service temperature: -40°C +82 °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.								
<b>Chemical composition:</b> Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO9809-2 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 9809-2								
Country of Approval	Europe	USA	Canada		Russian Federation			
Certification Availability	PED Approved in accordance with 2014/68/UE	Achievable on customer's request	Achievable customer's re	on equest	EAC Approval <u>available</u> on customer's request			

CMV SRL C.F./ P.IVA IT02299680427 R.E.A. AN-176527 Email: <u>info@cmvcylinders.com</u> Web site: <u>www.cmvcylinders.com</u>

Registered office: **CMV srl** Via A. Grandi 13/A 60131 Ancona (AN) – ITALY Ph. +39.071.9882065 | Fax +39.071.9201977

Manufacturing Plant: CMV Cylinders Endustry Sanayi Ve Tic. A.S. MOSB IV Kısım İsmail Kahraman Cad. No.5 45030 Yunusemre Manisa – Turchia Tel. +90.2362221001 | Fax +90.2365032436