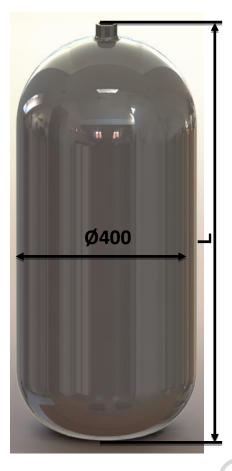


DATASHEET AB053

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases

Ø 400x8.3 WP200bar – TP300bar



CYLINDER DIMENSION								
Water capacity [I] -2.5%	80	100	130		^			
All sizes from 60 to 150L are feasible for manufacturing.								
Nominal weight [Kg]	85	100	121					
Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.								
Length L mm ±20	845	1020	1290					
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	" NGT			-	≈25			
3	1"1/8 – 12UNF – 2B			-	≈25			

DESIGN DATA						
Minimum design thickness of the	8.3 mm					
Working Pressure: up to 200 bar	Hydrostatic Test Pressure: 300 bar	Burst Pressure: ≥450 barg				
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.						
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 11439							
Country of Approval	Europe	USA	Canada	Russian Federation			
Certification Availability	Approved CNG-1	Achievable on customer's request	Achievable on customer's request	EAC Approval <u>available</u> on customer's request			

CMV SRL

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