DATASHEET AB052

Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 350x7.7 WP200bar – TP300bar



CYLINDER DIMENSION									
Water capacity [I] ^{-2,5%} +2,5%	60	70	100	110	120	140) 150		
All sizes from 60 to 150L are feasible for manufacturing.									
Nominal weight [Kg]	64	74	98	106	115	129	9 136		
Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.									
Length L mm ±20	815	930	1270	1380	1500	172	0 1830		
Dimension are in accordance with thread option n.1									
Neck Thread: - Alternative thread to Customer's requirement -									
Option	Internal thread		External thread		1	mm]			
1	25E ISC	0 11363	-1	-		:	≈25		
2	" NGT			-		:	≈25		
3	1/8 – 12	2UNF – 2	2B	-		:	≈25		

DESIGN DATA							
Minimum design thickness of the	7.7 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

Certification Standard. 180 11433									
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 <i>available</i> on customer's request					

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