

## **DATASHEET AD004**

## ONLY FOR COMMERCIAL USE

## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 355.6x10 WP300barg – TP450barg

DIMENSIONS	Water capacity [I] $^{-2,5\%}_{+2,5\%}$	60	80	100	120	140	166	180	All sizes from 60 to 180L are feasible for manufacturing
	Nominal weight [Kg]	92	114	135	158	180	203	210	Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	840	1070	1300	1530	1760	2065	2180	Dimension are in accordance with thread option n.1

	Minimum design thickness of the cylindrical	wall:	10.0 mm						
Α-	Working Pressure: up to 300 barg		static Test Pressure: 450 b	arg Burst Pressure: ≥	Burst Pressure: ≥ 720 barg				
	Service temperature: -50°C +65°C								
DAT	Use of cylinder for gases causing embrittlement and corrosion of the steel is forbidden.								
N	The gas contained in the cylinder must be in accordance with the standard ISO 11114-1.								
DESIGN		Option	Internal thread	External thread	h [mm]				
	Neck Thread:	1	25E ISO 11363-1	Neckring W80-1/11"	≈35				
	- Alternative thread to Customer's requirement -	2	1" NGT	Neckring W80-1/11"	≈35				
		3	1"1/4 NGT	Neckring W80-1/11"	≈35				

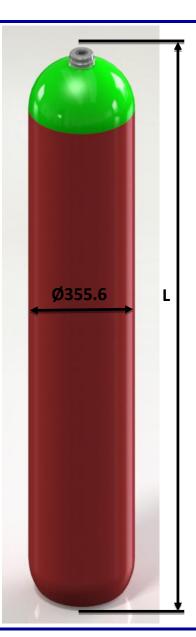
Chemical composition: Steel 34CrMo4 EN10083 part 1&3 with restrictions in accordance with ISO9809-2 par.6

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	TPED Approved in accordance with directive 2010/35/EU	Application pending for approval	Application pending for approval	EAC Approval <u>available</u> on customer's request



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