

# DATASHEET AC040

ONLY FOR  
COMMERCIAL USE

## Seamless Steel Refillable Cylinder for compressed, mixed and liquefied gases Ø 267x5.5 WP200barg – TP300barg

DIMENSIONS	Water capacity [l] <sup>-2,5%</sup> <sub>+2,5%</sub>	40	50	60	67.5	80	90	100	All sizes from 30 to 100L are feasible for manufacturing
	Nominal weight [Kg]	38	48	57	63	72	81	90	Net weight of the cylinder with neckring (if present) without valve, fittings, paint etc.
	Length L [mm] ±20	895	1090	1285	1440	1675	1870	2060	Dimension are in accordance with thread option n.1

DESIGN DATA	Minimum design thickness of the cylindrical wall: <b>5.5 mm</b>												
	<b>Working Pressure: up to 200 barg</b>			<b>Hydrostatic Test Pressure: 300 barg</b>			<b>Burst Pressure: ≥ 480 barg</b>						
	<b>Service temperature: -50°C +65°C</b>												
	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	25E ISO 11363-1		Neckring W80-1/11"		≈35						
		2	1" NGT		Neckring W80-1/11"		≈35						
		3	-		2,5"-12UN-2A		≈60						

**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 <u>available</u> on customer's request

