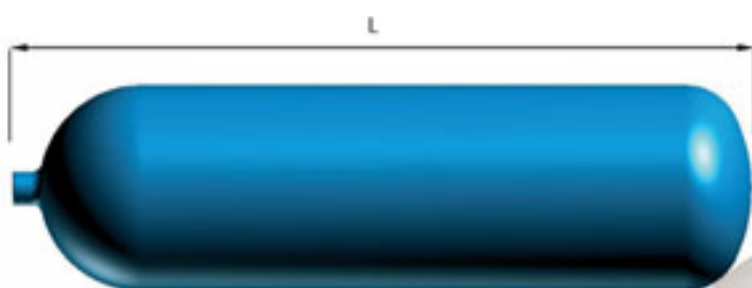


CNG-1 CYLINDERS Ø 273 up to 100 Lt. working pressure 200 bar



AUTOMOTIVE CNG CYLINDERS COMPLYING WITH R-110/ISO 11439 STANDARDS												
REFERENCE TECHNICAL STANDARD:			ISO 11439 (CNG-1)									
Water capacity [l.]	(-0) (+5%)	30	35	40	45	50	60	70	80	90	100	
Nominal weight [kg.]		35	40	44	48	53	62	71	80	89	98	
Length l [mm.] (±20)		680	780	880	980	1080	1280	1480	1680	1880	2080	
Material:		SEAMLESS STEEL TUBE			34CrMo4			(EN 10083-1)				
MANUFACTURING DETAILS												
MANUFACTURING PROCESS: HOT SPINNING OF SEAMLESS STEEL TUBE												
HEAT TREATMENT: QUENCHING AND TEMPERING												
MECHANICAL PROPERTIES (min.)												
R _m [Mpa]	R _e [Mpa]	A ₅ [%]			KV IMPACT TEST AT -50 °C [J/cm ²]							
950	840	14			average on 3 specimens				single value			
HB= 280 ÷ 320					40				32			
DESIGN DATA												
NECK THREAD	Inl. thread	Ext. thread		Ø _e	Ø _i	h						
	25E EN 629-1	-		40	-	≈ 25						
	1" BS 341: PART 2	-		40	-	≈ 25						
	Alternative thread to customer's requirement											
MINIMUM EFFECTIVE THICKNESS for the cylindrical wall, net of tolerance: 6.1 mm												
Working pressure: up to 200 bar				Test pressure = up to 300 bar				Burst pressure: ≥ 450 bar				
Working temperature: min. -40 °C; max +82 °C												

