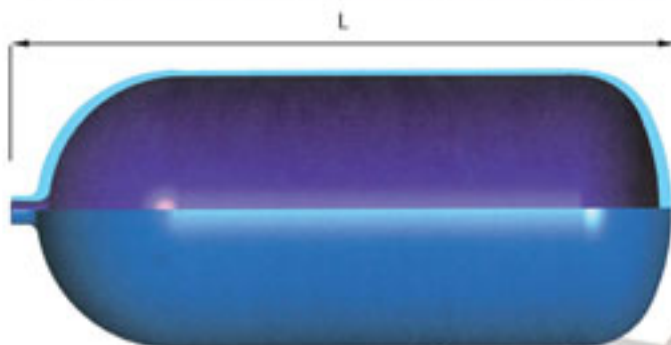


CNG-1 CYLINDERS Ø 406.4 up to 120 Lt. working pressure 200 bar



AUTOMOTIVE CNG CYLINDERS COMPLYING WITH R-110/ISO 11439 STANDARDS

REFERENCE TECHNICAL STANDARD:

ISO 11439 (CNG-1)

Water capacity [L] (-0) (+5%)	85	90	95	100	110	120
Nominal weight [kg.]	90	94	98	102	110	118
Length l [mm.] (±20)	875	920	960	1000	1080	1150

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
	2SE 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: **9.3 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

