

X-STORE® GAS CONTAINER MODULES, VERSION SUPER LIGHTWEIGHT (SLW) V2

FULL CARBON DESIGN, 250 BAR, CNG



HEXAGON

		X-STORE 10 ft	X-STORE 20 ft	X-STORE 30 ft	X-STORE 40 ft	X-STORE 45 ft	X-STORE 48 ft
Approval	Cylinders	According to ISO 11119-3 / EN 12245 *					
	System	Leak tested according to DIN EN 1779					
	Container	According to ISO 668 including CSC approval				According to CSC	
	Corner castings	According to ISO 668					
Hydraulic capacity, approx.	l	8,750	19,250	29,750	40,250	45,500	48,300
Nominal transport capacity CNG (15 °C) ¹⁾	m ³	2,570	5,655	8,735	11,820	13,360	14,185
Container (length x width x height)	mm	3,048 x 2,438 x 2,743	6,058 x 2,438 x 2,743	9,087 x 2,438 x 2,743	12,192 x 2,438 x 2,743	13,176 x 2,438 x 2,743	14,630 x 2,438 x 2,743
Net weight container, approx. ²⁾	kg	4,360	8,825	13,195	17,410	19,575	20,890
Gas weight CNG (D=0.75 kg/m ³) ¹⁾	kg	1,930	4,240	6,550	8,865	10,020	10,640
Total container weight + CNG ¹⁾²⁾	kg	6,290	13,065	19,745	26,275	29,595	31,530
Quantity cylinders, 350 l	pcs	25	55	85	115	130	138
Minimum residual pressure (15 °C)	MPa (bar)	1 (10)					
Operating pressure (15 °C)	MPa (bar)	25 (250)					
Burst pressure, min.	MPa (bar)	75 (750)					
Cylinder operating temperature min./max.	°C	-40 / +65					
Cylinder type		Type 4					
Cylinder marking		TC_500_1					
Cylinder design		Full carbon					
Cylinder liner material		High density polyethylene (HDPE)					
Service lifetime		Unlimited					
Inspection standard		ISO 11623					

*Also meets ISO 11439

Metric unit system

1) The filling process underlies the complex physical laws of fluid mechanics. The actual filling volume depends on several factors: chemical composition of gas, ambient temperature, filling speed and inlet temperature which in turn, depend on the equipment of the compressor station (compressors, chillers, piping, valves and fittings). Therefore an exact statement about the real filling volume cannot be given. Typically filling efficiencies of 75-95% are reached.

2) +1 % tolerance due to manufacturing reasons



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