

X-STORE® GAS CONTAINER MODULES, VERSION ECO V2

HYBRID 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 11439					
	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	5,560	11,465	17,275	22,930	25,815	27,510
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	7,490	15,705	23,825	31,795	35,835	38,150
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)	59 (590)					
Cylinder operating temperature min./max.	°C	-40 / +65					
Cylinder type		Type 4					
Cylinder marking		TH_500_HY_1					
Cylinder design		Hybrid (glass fiber over carbon fiber)					
Cylinder liner material		High density polyethylene (HDPE)					
Service lifetime		Limited to 20 years					

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.

Metric unit system

2) +1 % tolerance due to manufacturing reasons



CONTACT US:

Hexagon xperion GmbH
 Otto-Hahn-Straße 5
 34123 Kassel, Germany
 Phone +49 561 58549 0
contact@hexagonxperion.com
www.hexagonxperion.com