X-STORE® GAS CONTAINER MODULES, VERSION ADR 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
Approval	**Cylinders**	According to ISO 11119-3 / EN 12245*				
	System	ADR approved and 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
Nominal transport capacity CNG (15 °C) [1]	**m^3**	2,570	5,655	8,735	11,820	13,360
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
Net weight container, approx. [2]	**kg**	4,360	8,825	13,195	17,410	19,575
Gas weight CNG (D=0.75 kg/m^3) [1]	**kg**	1,930	4,240	6,550	8,865	10,020
Total container weight + CNG [1] [2]	**kg**	6,290	13,065	19,745	26,275	29,595
Quantity cylinders, 350 l	**pcs**	25	55	85	115	130
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				

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

CONTACT US:

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