

VT LNG SERIES

FULL EN 13458

**Vertical Cryogenic
Storage Tanks
for Liquefied Natural Gas**

Chart Ferox, a.s. VT LNG series cryogenic tanks are designed in accordance with all LNG requirements for safe, easy and economical operation. Many of the features have been incorporated in close collaboration with leading LNG companies.

VT LNG series tanks are vertical, stationary pressure vessels with vacuum perlite insulation for long-term efficient storage of LNG under pressure.

The VT LNG series is available in a range of capacities, from 3,000 to 108,000 litres and maximum allowable working pressure (MAWP) of 18 bar.

At Chart we pride ourselves on designing innovative products with advanced technology and the highest reliability. We work closely with customers to ensure that our portfolio continues to meet your business requirements and aspirations.

Product Highlights

- Built in accordance with EN 13458 and conforming to directive 2014/68/EU
- Modular external plumbing design minimizes number of non-welded joints
- 4-leg design for increased stability
- Multiple lifting lugs for single crane erection
- Stainless steel inner vessel and piping
- Bolted bonnet globe valves with stainless steel bodies
- Easily accessible relief valves
- Durable, environmentally friendly coating for industrial standards
- All vents are directed to the vent stack with outlet to safe area
- Optional transmitters and actuators with EEx design

Chart Vacuum Technology®

Providing the best insulation system to protect your valuable gases from harsh ambient conditions results in lower pressure rise and lower losses, yielding better gas utilization.

Chart Vacuum Technology® is at the core of why Chart is recognized around the world as the premier supplier of cryogenic equipment.



Innovation. Experience. Performance.®

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Specification

Model	Gross volume	Net capacity ¹	MAWP ⁵	MAWP ⁵	LNG ²	Daily rate evaporation	Weight empty ³	Weight empty ⁴	Diameter (D)	Overall width (A)	Overall depth (B)	Height (H) ⁵
LNG VT	[Liters]	[Liters]	[bar]	[bar]	[Kg]	[%/d]	[Kg]	[Kg]	[mm]	[mm]	[mm]	[mm]
VT 3	3 420	3 249	18	N/A	1 527	0,37	2 980	N/A	1 800	2 000	2 150	4 030
VT 6	6 150	5 843	18	N/A	2 746	0,26	4 320	N/A	1 800	2 000	2 150	5 840
VT 9	8 870	8 427	18	N/A	3 960	0,23	5 750	N/A	1 800	2 000	2 150	7 650
VT 11	10 810	10 270	18	N/A	4 827	0,21	6 440	N/A	2 100	2 100	2 350	6 430
VT 16	15 530	14 754	18	N/A	6 934	0,19	8 310	N/A	2 100	2 100	2 350	8 430
VT 21	20 250	19 238	18	11	9 042	0,17	10 160	N/A	2 100	2 100	2 350	10 430
VT 25	24 970	23 722	18	N/A	11 149	0,17	12 150	N/A	2 100	2 100	2 350	12 430
VT 20	20 130	19 124	18	N/A	8 988	0,15	11 580	N/A	2 500	2 500	2 800	8 110
VT 26	26 110	24 805	18	N/A	11 658	0,14	14 010	N/A	2 500	2 500	2 800	9 940
VT 31	32 080	30 476	18	11	14 324	0,13	16 460	N/A	2 500	2 500	2 800	11 770
VT 37	38 060	36 157	18	N/A	16 994	0,13	18 840	N/A	2 500	2 500	2 800	13 600
VT 43	44 030	41 829	18	N/A	19 659	0,13	21 290	N/A	2 500	2 500	2 800	15 430
VT 41	41 630	39 549	18	11	18 588	0,12	18 580	16 400	3 000	3 000	3 280	10 230
VT 50	50 960	48 412	18	11	22 754	0,11	21 740	19 140	3 000	3 000	3 280	12 060
VT 60	60 300	57 285	18	11	26 924	0,10	24 900	21 890	3 000	3 000	3 280	13 890
VT 70	69 640	66 158	18	11	31 094	0,10	28 220	24 910	3 000	3 000	3 280	15 660
VT 80	78 970	75 022	18	11	35 260	0,10	31 380	27 660	3 000	3 000	3 280	17 490
VT 89	88 780	84 341	N/A	11	39 640	0,09	N/A	32 060	3 000	3 000	3 280	19 320
VT 98	98 180	93 271	N/A	11	43 837	0,09	N/A	34 820	3 000	3 000	3 280	21 150
VT 108	107 570	102 192	N/A	11	48 030	0,09	N/A	37 570	3 000	3 000	3 280	22 980

1) Filling 95 % (equilibrium state at 1,013 bar)

2) Calculated for theoretical density 470 kg/m³, can vary with real composition of LNG

3) Weight of vessels rated 18 bar

4) Weight of vessels rated 11 bar

5) MAWP - maximum allowable working pressure

Nominal Evaporation Rate per 24 hours according to EN12213 (100 kPa and 15 °C ambient temperature)

Design and specification are subject to change without prior notice.

Basic Dimensions

