

Cryogas Industries introduces LNG series cryogenic storage tanks offering multiple options to address the wide spectrum of end users; Vertical Liquefied Natural Gas Storage Tanks are offered in a variety of ranges with MAWP of upto 17 bar (≈ 250 psig). In accordance with all LNG requirement for safe, easy and economical operation. many of the features have been incorporated in close collaboration with leading LNG companies.

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

VLNG series are available in capacity from 6000 to 60000 liters with pressure of upto 17 Bar.

Product Highlights

- Built in accordance with International codes like ASME, European Pressure, Directives, PED 97/23/EC and EN 13458 & enable use for world wide application.
- ATEX 94/A/AC available on request.
- Standard three legs design enables handling and erection with a single crane.
- Standard PBU coil allows high withdrawal rates and vertical PB coils with higher withdrawal rates available on request.
- Saddle, Inner Vessel, Piping in Stainless Steel, ensure long product life cycle.
- Use of world class LNG approved valves impart safety and long life to operations.
- Built-in vent stake for safe venting of gas from safety valves, vent valves.
- We offer proven fire safe actuated valves, instrumentation and automation for fully automated manless future proofing ensured operations.
- Liquid withdrawal line is equipped with auto shut off valve as a standard feature on all storage tanks to comply with EN/NFPA requirements.
- Fire proofing of legs is offered on request.
- We offer complete LNG Re-gasification stations, LCNG Stations marine fuel conversion solutions.

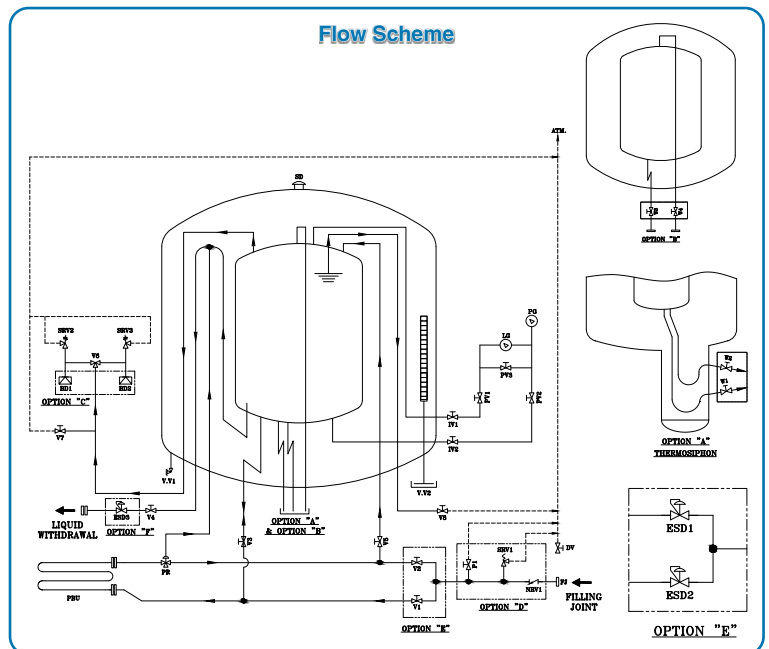
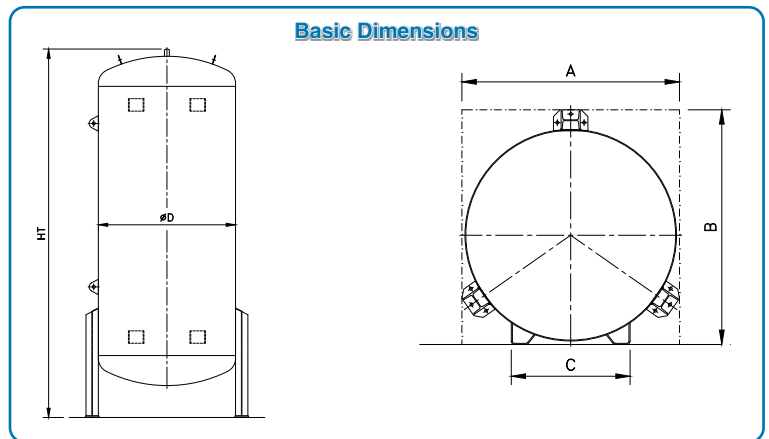


VLNG Models	VLNG6	VLNG10	VLNG13	VLNG21	VLNG30	VLNG40	VLNG50	VLNG60
Gross Capacity (Liters)	5892	10403	13411	20929	32031	39618	50997	62376
Net Capacity (Liters)	5597	9883	12740	19883	30430	37637	48447	59258
Daily Evaporation Rate O ₂ (%)	0.32	0.27	0.25	0.22	0.20	0.17	0.15	0.14
Empty Weight (Kg.)	3750	5268	6089	8293	14912	17371	20376	23881
Weight Full LNG (Kg.)	6269	9715	11822	17240	28606	34307	42177	50547
Continuous Withdrawal Rate for 8 hours at 15 bar (Nm ³ /Hr.)	1000	1000	1000	1000	2000	2000	2000	2000
Diameter (mm)	2150	2150	2150	2150	3300	3300	3300	3300
HT Height (mm)	3933	6070	7494	11056	7357	8782	10918	13055
A (mm)	2240	2240	2240	2240	3460	3460	3460	3460
B (mm)	2405	2405	2405	2405	3660	3660	3660	3660
C (mm)	1245	1245	1245	1245	1550	1550	1550	1550

Note : (1) Tanks with thermosiphon are app. 750 mm higher (2) Specifications are subject to change without notice due to continuous product development or to improve reliability, function or design or otherwise.

Nomenclature

V1	BOTTOM FILLING VALVE	
V2	TOP FILLING VALVE	
V3	PRESSURIZING VALVE	
V4	LIQUID WITHDRAWAL VALVE	
V5	STOP VALVE (PRESSURIZER)	
V6	THREE WAY FLOW DIVERTER VALVE	
V7	VENT VALVE	
V8	FULL TRYCOCK VALVE	
PV1	PURGE VALVE	
NRV1	INLET NOT RETURN VALVE	
PR	THREE WAY PRESSURE REGULATOR	
SRV2, SRV3	SAFETY RELIEF VALVE FOR INNER VESSEL	
SRV1	SAFETY RELIEF VALVE FOR PIPE LINE	
PV1	LEVEL GAUGE VALVE	THREE WAY MANIFOLD VALVE
PV2	LEVEL GAUGE VALVE	
PV3	PRESSURE BALANCE VALVE	
LG	LEVEL GAUGE	
PG	PRESSURE GAUGE	
V.V1	VACUUM PROBE VALVE	
V.V2	EVACUATION PORT	
SD	SAFETY DEVICE FOR OUTER VESSEL	
PBU	PRESSURE BUILD-UP UNIT	
IV1, IV2	ROOT ISOLATION VALVE	
DV	DRAIN VALVE	
OPTION "A" (THERMOSIPHON ARRANGEMENT)		
W1	LIQUID LINE TO PUMP	
W2	VAPOUR RETURN LINE FROM PUMP TO TANK	
OPTION "B"		
W3	ADDITIONAL LIQUID TAKE OFF LINE	
W4	ADDITIONAL GAS PHASE LINE	
OPTION "C"		
BD1, Bd2	BURSTING DISC	
OPTION "D"		
NRV1	INLET NON RETURN VALVE	
SRV1	SAFETY RELIEF VALVE FOR PIPE LINE	
P1	PURGE VALVE	
OPTION "E"		
ESD1	ELECTRIC PNEUMATICALLY OPERATED LONG	
ESD2	STEM GLOBE VALVE WITH SOLENOID VALVE (SOV)	
OPTION "F"		
ESD3	ELECTRIC PNEUMATICALLY OPERATED LONG STEM	
	GLOBE VALVE WITH SOLENOID VLAVE (SOV)	



Cold Convertor Storage Tanks ♦ Thermosiphon Tanks ♦ Transport Tankers ♦ Framed ISO Containers ♦ Microbulk Cryogenic Portable Containers
 Engineered Cryogenic Tanks ♦ Atmospheric Vaporizers and Powered Cryogenic Vaporizers ♦ Vacuum Insulated Pipelines ♦ Complete Turnkey Cryogenic
 Solutions ♦ LNG Regasification Stations ♦ LCNG Stations ♦ Mobile Cryogenic Vaporizers and Pumping Skids ♦ Portable Helium and Nitrogen Liquefaction
 Plants ♦ Semi and Fully Automatic Palletized Cylinder Filling Stations and Solutions.