

WELLMITE SERIES TANKS

Wessington's Wellmite series of tanks are classified as T75 UN Portable tanks under the rules of ADR and IMDG. Wellmites are designed, manufactured and tested for storing and transporting liquid nitrogen by road, sea and from supply vessel to offshore platform.

The Wellmite consists of a cryogenic tank and associated pipe work and valves protected by a robust frame manufactured and certified to meet the requirements of DNV 2.7-1 and EN12079. Handling is by either forklift pockets or by slings attached to the frame pad eyes.

The tank has been designed for use in all areas of onshore & offshore operation where there is a limitation on floor space and a restriction in crane lifting capacity. The tanks can be produced with working pressures of 60 psig through to 250 psig. ASME versions available.

The Wellmite also features high vacuum super-insulation, full set of decals (including logo's where supplied by customer), pressure build system and various pipe work options for maximum versatility.

Custom painting on special request

Special features include :-

- Lower roof plates to allow stacking with slings / shackles remaining in situ.
- Dual try-cock valves.
- Optional Hasting vacuum check valve.

Specification	WELLMITE 500 6 Bar	WELLMITE 1000 4 Bar (ASME)	WELLMITE 1000 6 Bar	WELLMITE 1000 17 Bar
Product Code	9950-9000	9955-0010	9955-0000	9955-0020
Capacity (Litres)	1950 ltr	3176 ltr	3176 ltr	3176 ltr
Pressure	6 Bar	4 Bar	6 Bar	17 Bar
Tare Weight kg	1,500	2,850	2,850	3,200 Nom
Max Gross Weight kg	3,000	6,000	6,000	6,000
Holding Time*	6 Days	8 Days	10 Days	18 Days

Materials / Specifications	
Inner Shell	Stainless Steel
Outer Jacket	Carbon Steel
Skid	Carbon Steel
Pipework	Tp.316 Stainless Steel Sch.10
Paint Specification	Shot Blast SA 2.5, Zinc Rich Primer 50 microns, Epoxy High Build 125 microns, Polyurethane Top Coat 50 microns Standard colour : White Custom paint colours on request
Design Approvals)**	EN 13530, ADR / RID, IMDG, IMO, UKDOT, DNV 2.7-1 / EN 12079, TPED, Optional - ASME 'U' / CFR, AS 1210
Performance	Maximum Evaporation Rate 0.5% per day.
Temperature	Inner Shell -196°C to +50°C, Outer Jacket -20°C to +50°C
Couplings	NIT150 as standard. Custom specification on request
Roof Plates	Aluminium (Optional Carbon Steel Durbar)
Drip Tray	Stainless Steel
Earth Point	Stainless Steel M12 Boss
Vaporiser	Stainless Steel Finned Tubing
Slings (Optional)	Slings & shackles (where supplied) – approved to all relevant codes including DNV 2.7-1
Insulation	Vacuum + Superinsulation



Wellmite 500

** Design approvals may vary depending on options and country of operation. For details, please contact Technical Department.

* Holding times as calculated by EN 12213.

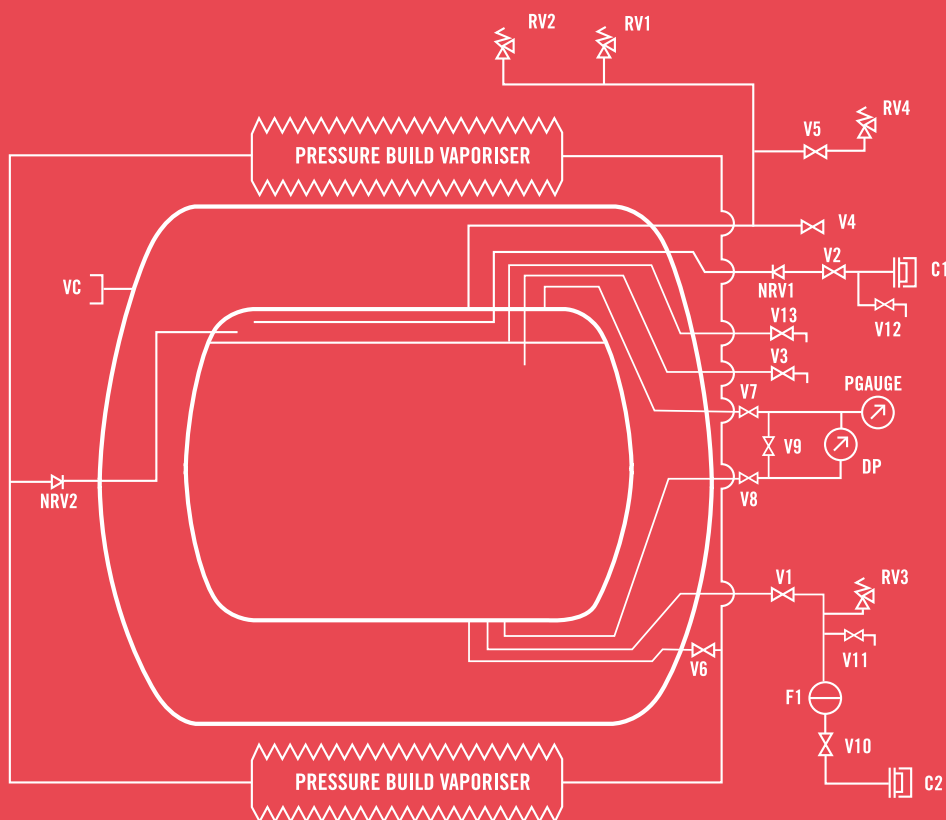


Wellmite 1000

WELLMITE SERIES TANKS

Valves / Pipework (LIN, LOX, LAR)

V1	Liquid Isolation Valve
V2	Liquid Top Fill Valve
V3	95% Try-Cock
V4	Gas Vent Valve
V5	Road Valve
V6	Pressure Build Valve
V7	DP Gauge Low Pressure Line
V8	DP Gauge High Pressure Line
V9	DP Gauge Equalizing Valve
V10	Liquid Decant / Fill Valve
V11	Line Blow Down Valve
V12	Line Blow Down Valve
V13	Secondary Try-Cock
F1	Strainer
VC	Vacuum Pumping Port
PG	Pressure Gauge
DP	Differential Contents Gauge
C1	ACME 150 Connection
C2	ACME 150 Connection
RV1	Primary Relief Valve
RV2	Primary Relief Valve
RV3	Line Relief Valve
RV4	Road Relief Valve
NRV1	Non Return Valve
NRV2	Non Return Valve



Schematic shows the horizontal arrangement Wellmites. Layout for the vertical Wellmite 500 offers the same overall functionality.

Tank schematic shows standard configuration, utilising Herose Globe Valves.

Options:-

Option 1: Rear Fill direct to rear of tank allowing concurrent bottom fill / liquid decant (Wellmite 1000 only).

Option 2: Rear Fill external to tank via main Tank Isolation Valve (Wellmite 1000 only).

Option 3: Any of the above arrangements with Meca Inox Cryogenic Ball Valves as alternative to Herose Globe Valves.

Dimensions	Length (mm)	Height (mm)	Width (mm)
Wellmite 500	1750	2,510	1,750
Wellmite 1000	2,438	2,175	2,438



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Design and specifications
subject to change without notice

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