ISO VAC 40 - LNG

The ISO VAC 40 - LNG tank has been designed as a standard 40ft ISO container for the safe storage and transport of liquefied natural gases. A new frame arrangement with Blair corner castings, & lockable valve protection cabinet, containing the valves, gauges, vacuum check gauge connection and a separate document holder.

The ISO VAC 40 LNG tank can be produced with working pressures ranging from 7 to 10 Bar and can be used for the transport of LNG, Ethylene and Ethane.

This tank has approvals for road, rail and sea transport.

This tank can also be configured to accept cryogenic transfer pumps.

The ISO VAC also features high vacuum super-insulation, stacking capability 9 units high to ISO 1496-3 (192,000 kg max), full set of decals (including logo's where supplied by customer), integral pressure building system and various pipe work and valve options to offer maximum versatility to end user and operator.

Specification	ISO VAC 40 - LNG 10 Bar	ISO VAC 40 - LNG 100 psi (ASME)
Product No	9951-3601	9951-3610
Capacity (Gross)	43,500 ltr	43,500 ltr
Capacity (Net)	41,325 @ 95%	41,325 ltr @ 95%
Pressure	10 Bar.g	100 psi.g
Tare Weight kg	12,670	12,670
Stacking kg	192,000	192,000
Holding Time	80 Days	60 Days

Materials / Specifications	
Inner Shell	Stainless Steel
Outer Jacket	Carbon Steel. Option - Stainless Steel
Skid	Carbon Steel
Pipework	Tp.316 Stainless Steel Sch.10
Paint Specification	Shot Blast SA 316, Zinc Rich Primer 50 microns, Epoxy High Build 125 microns, Polyurethane Top Coat 50 microns, Standard Colour: White. Custom paint specification on request
Design Approval(s)*	EN 13530, ADR / RID, IMDG, CSC, TIR, ISO 1496, OPTION - ASME "U" / CFR
Temperature	Inner Shell -196°C to +50°C, Outer Jacket -20°C to +50°C (option -40 to +50°C) material
Corner Castings	ISO Standard 1161 Blair BLRC20100 / 20000
Couplings	Blind flanges as standard. Custom specification on request

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

Wessington Cryogenics Limited
2 Gadwall Road, Rainton Bridge South
Houghton Le Spring, Tyne & Wear, England, DH4 5NL
Tel: +44 (0)191 512 0677 Fax: +44 (0)191 512 0745
Email: info@wessingtoncryogenics.com

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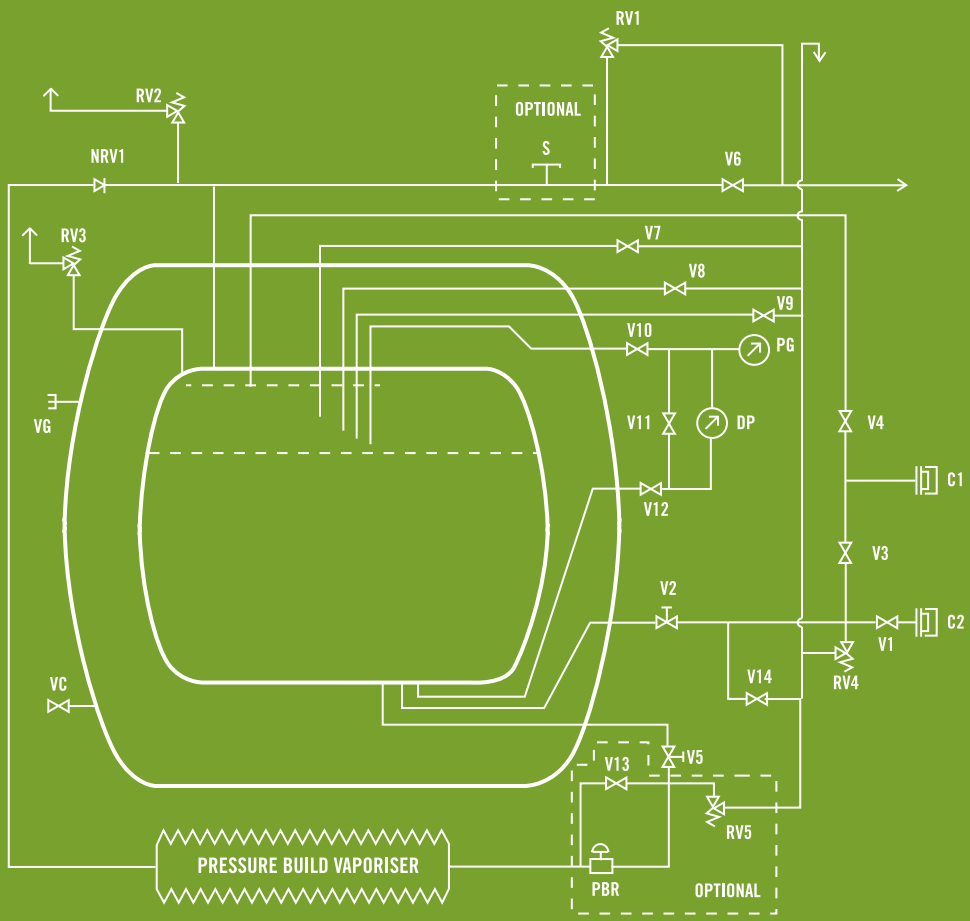
Valves / Pipework

V1	Liquid Decant
V2	Liquid Isolation - Air actuated
V3	Bottom Liquid Fill
V4	Top Liquid Fill
V5	Pressure Build Valve - Air actuated
V6	Gas Vent Valve
V7	Try-Cock 1
V8	Try-Cock 2
V9	Try-Cock 3
V10/V11/V12	Gauge Panel Control Valves
V13	Pressure build regulator bypass
V14	Manual Line Blow Down
PBR	Pressure Build Regulator
RV1/RV2/RV3	Primary Relief Valves
RV4/RV5	Line Relief Valve
NRV1	Non-Return Valve
C1/C2	Couplings to customer requirements
S	Sample Point (Optional)
PG	Pressure Gauge
DP	Differential Contents Gauge
VC	Vacuum Pumping Port
VG	Vacuum Gauge



Typical tank schematic shows standard configuration (LNG), utilising Globe Valves. Options include ball valves. Custom pipework available.

Dimensions	Length (mm)	Height (mm)	Width (mm)
Dimensions	12,192	2,591	2,438

Full access side cabinet.

*All dimensions / weights / capacities subject to manufacturing tolerance

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Design and specifications subject to change without notice

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