ISO PACK 4000 SERIES TANKS

The ISO PACK 4000 tank offers the cryogenics industry a robust, fully framed, portable, 20ft ISO container designed for transporting product by road, rail or sea.

This T75 UN portable tank has approvals for road, rail & sea transport. It also has CSC, DNV 2.7-1 and EN 12079 approval, and is designed, manufactured / tested for storing & transporting liquid nitrogen, argon and oxygen, and can often be seen on offshore supply vessels being transported to oil production platforms all over the world (subject to offshore weight & crane handling restrictions).

The tank is produced with working pressure of 3.17 Bar (45psi / ASME), 6 Bar (90 psi) with option up to 17 Bar (250 psi) and can be used for the storage and transportation of liquid nitrogen.

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

A CO_2 format tank can also be supplied on special request. Higher pressure versions also available on 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	ISO PACK 4000 3 BAR (ASME)	ISO PACK 4000 6 BAR	ISO PACK 4000 17 BAR
Product Code	9950-5400	9950-5520	9950-5540
Capacity (Litres)	16,800	16,800	16,800
Pressure	3.17 Bar / 45 psi	6 Bar / 90 psi	17 Bar / 250 psi
Tare Weight kg	8,435	8,435	11,000 (NOM)
Stacking kg	192,000	192,000	192,000
Max Gross Weight	21,500	21,500	24,000
Holding Time*	20 Days	30 Days	50 Days

Materials / Specifications	
Inner Shell	EN 10028 – 1.4301/1.4311/1.4315 - Stainless Steel / (ASME SA 240-304-3.17b)
Outer Jacket	Carbon Steel (Grade 43D S275 J2G3)
Skid	Carbon Steel (Grade 50D S355 J2G3)
Pipework	ASME SA 312 Tp.316 Stainless Steel Sch.10 As Minimum
Paint Specification	Shot Blast SA 2.5, Zinc Rich Primer 50 microns, Epoxy High Build 125 microns, Polyurethane Top Coat 50 microns
Design Approval(s)**	ASME VIII (3 & 17 bar model), ADR / RID, IMDG, IMO,DNV 2.7-1 / EN 12079, USDOT, ASME VIII, Optional - AS 1210
Performance	Maximum Evaporation Rate 0.4% per day
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
Couplings	NIT150 as standard. Custom specification on request

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

* Holding times as calculated by EN 12213.

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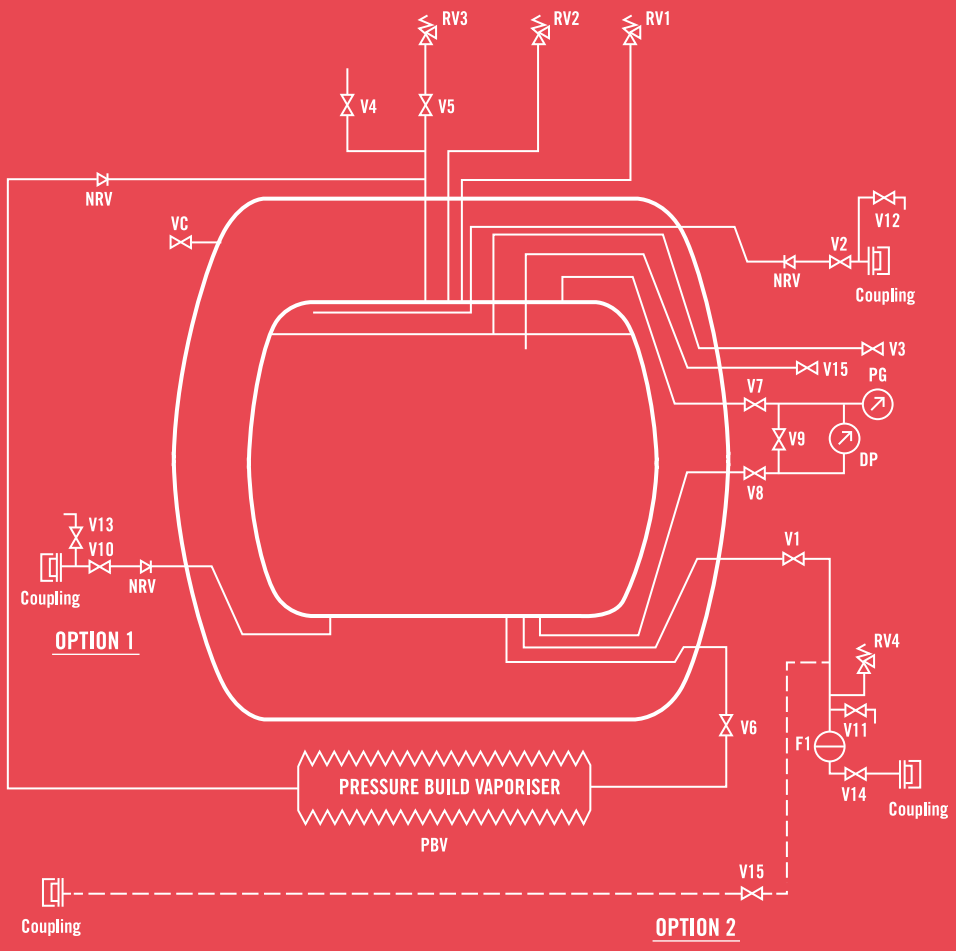
wessington cryogenics

ISO PACK
4000 SERIES
TANKS

Valves / Pipework

V1	Liquid Isolation
V2	Top Fill Valve / Pump Return
V3	Try-Cock 95%
V4	Vent
V5	Travelling Valve
V6	Pressure Build Valve
V7/V8/V9	Gauge Panel Control Valves
V10	Rear Bottom Fill (Option1)
V11/V12/V13	Line Blow Down Valve
V14	Bottom Fill / Decant
V15	Secondary Try-Cock
RV1	Primary Relief
RV2	Primary Relief
RV3	Road Relief
RV4	Line Relief
DP	Contents Indicator
PG	Pressure Gauge
F1	Liquid Strainer
NRV	Non-Return Valve
Couplings	To Customer Requirements
VC	Vacuum Connection
PBV	Pressure Build Vaporiser



Tank schematic shows standard configuration, utilising Globe Valves.

Options:-

Option 1: Rear Fill direct to rear of tank allowing concurrent bottom fill / liquid decant.

Option 2: Rear Fill external to tank via main Tank Isolation Valve.

Option 3: Top Fill arrangement with Line Blow Down & Line Relief.

Option 4: Any of the above arrangements with Meca Inox Cryogenic Ball Valves as alternative to Globe Valves.

Dimensions	Length (mm)	Height (mm)	Width (mm)
Dimensions	6,058	2,591	2,438

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