WESSINGTON CRYOGENICS

ISO PACK 4000 - LCO2

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. The ISO PACK 4000 can often be seen on offshore supply vessels being transported to oil production platforms all over the world.

This T75 UN portable tank has approvals for road, rail & sea transport. It also has CSC, DNV 2.7-1 and ISO 10855 approvals among many other options, and is designed, manufactured and tested for storing and transporting liquid nitrogen (optional argon and oxygen) and can often be seen on offshore supply vessels being transported to oil production platforms all over the world.

Also available with a liquid Carbon Dioxide configuration.

The ISO PACK 4000 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 the customer), integral pressure building system, document holder and various pipe work and valve options to offer maximum versatility to the end user and operator.

MATERIALS	SPECIFICATION
Inner shell	Stainless steel
Outer jacket	Carbon steel (optional - stainless steel)
Skid	Carbon steel (optional - stainless 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 approval(s)*	EN 13530, ADR/RID, IMDG, IMO, DNV2.7-1 / ISO 10855, ISO 1496-3, CSC, US DOT, ASME VIII Div1
Temperature	Inner shell -196°C to +50°C, outer jacket -20°C to +50°C (option -40°C to +50°C) material
NER	0.4% per day
Corner castings	ISO standard 1161 blair BLRC20100 / 20000
Couplings	NT150 as standard, custom specification on request
Roof plates	Aluminium tread plate
Drip tray	Stainless steel
Earth point	Stainless steel lug
Vaporiser	Stainless steel lined aluminium starfin
Slings	Slings and shackles. Approved to all relevant codes including DNV 2.7-1 (chain slings with optional corner baskets also available)
Stacking	In accordance with ISO 1496-3 (9 High/192,000kg max)
Insulation	Vacuum and super insulation

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

ISOPACK 4000 FEATURES

- Lower roof plate to allow stacking with slings/shackles remaining in situ
- Dual trycock valves
- Fully welded frame or optional removable frame
- Optional Hasting vacuum check valve

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

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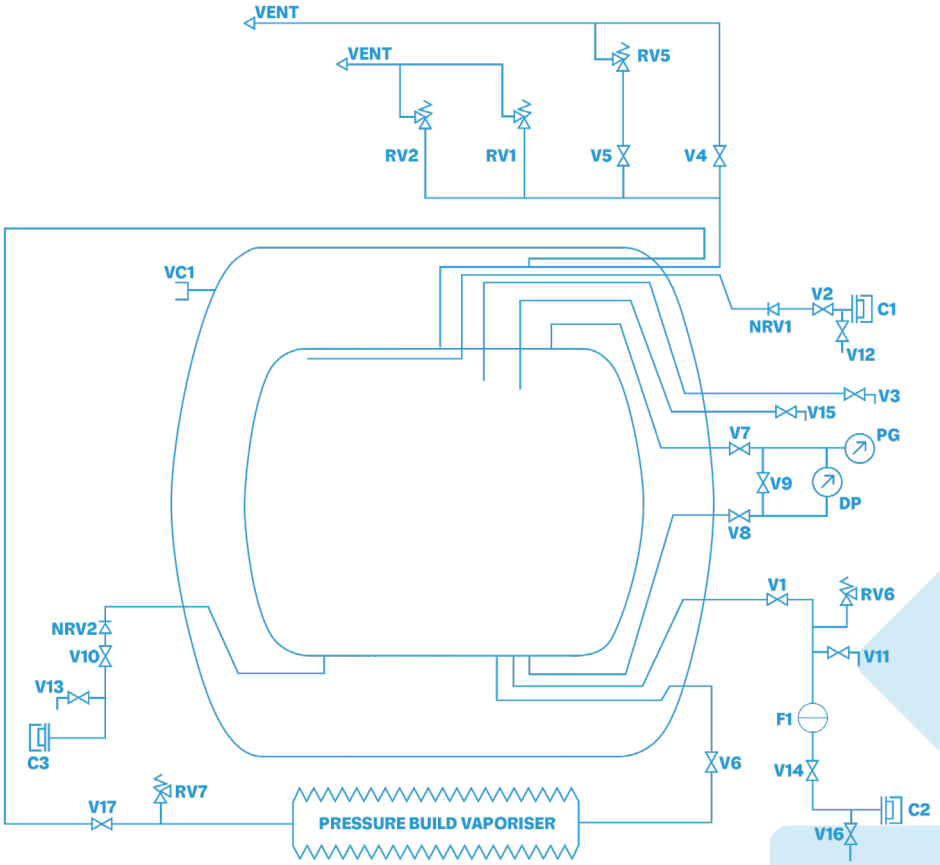
VALVES/PIPEWORK



SPECIFICATION	ISO PACK 4000 6 Bar G ASME	ISO PACK 2000 17 Bar G ASME	ISO PACK 2000 22 Bar G ASME
Product Code	9970-4006-0	9970-4022-0	9970-4122-0
Capacity	17,092 ltr	16,800 ltr	16,030 ltr
Pressure	6 bar / 87 psi	17 bar / 246.5 psi	22 bar / 319 psi
Tare Weight	8,125 kg	8,575 kg	10,300 kg
Max Gross Weight	24,000 kg	24,000 kg	24,000 kg

VALVES/ PIPEWORK (LIN, LOX, LAR)	
V1	Liquid isolation valve
V2	Pump return globe/check valve
V3	Trycock 95%
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 equalising valve
V10	Rear bottom fill
V11	Line blow down valve
V12	Line blow down valve
V13	Line blow down valve
V14	Liquid decant/fill valve
V15	MAWP - trycock (optional)
V16	Line blow down valve
V17	Vaporiser isolation valve
VC1	Vacuum pumping port
PG	Pressure gauge
DP	Differential contents gauge
C1	Pump return connection
C2	Front fill/decant connection
C3	Rear fill connection
RV1	Primary relief valve
RV2	Primary relief valve
RV3	Primary relief valve (optional)
RV5	Road relief valve
RV6	Line relief valve
RV7	Line relief valve
NRV2	Non return valve
F1	Strainer

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