

10 feet offshore cryogenic ISO tank



The OHS 10 feet cryogenic ISO tank is a vacuum-insulated liquid gas transportable / storage tank approved for offshore use.

Designed to transport liquid gases by road, rail and sea, the tank meets IMDG requirements and is also a CSC-approved 10 feet tank container.



10 feet cryogenic ISO tank

Example specification details*

- **Approvals/design codes:** DNV 2.7-1, EN12079-1 EN13530 or ASME VIII Div I, IMDG, CSC, ADR, RID
- **Dimensions:** 2,991 mm (l) x 2,438 mm (w) x 2,591 mm (h) (9'10" l x 8' 0" w x 8' 6" h)
- **Gross capacity (approx.):** 7,800 L
- **M.G.M:** 16,000 kg
- **Typical tare (approx.):** 5,400 kg (6 bar) - 7,800 kg (22 bar)
- **Typical MAWP:** 6 bar - 22 bar
- **Approved products:** Liquid nitrogen, argon, oxygen, carbon, dioxide
- **Service temperature:** -196°C to +50°C

- **Insulation:** Vacuum + cryogenic super
- **NER (typical):** 0.5% p/d (LIN)
- **Material, inner vessel:** Stainless steel
- **Material, outer jacket:** Carbon steel
- **Annular piping:** Stainless steel
- **Valve Types:** Main operational valves - Herose globe valves
- **Pressure-build coil:** Aluminium Star-Fin tube vaporiser
- **Paint protection:** Offshore-standard paint system, including surface blast 2.5sa., 1st coat zinc prime. 2nd epoxy high build. 3rd polyurethane.
- **Manufacturers:** Wessington cryogenics, cryodiffusion, CIMC

Typical performance

6 bar tank:

Product	Initial fill (kg)	Initial fill pressure (barg)	Holding time (days)
Liquid nitrogen	5,405	0.34	25
Liquid argon	9,710	0.34	27
Liquid oxygen	8,019	0.34	35

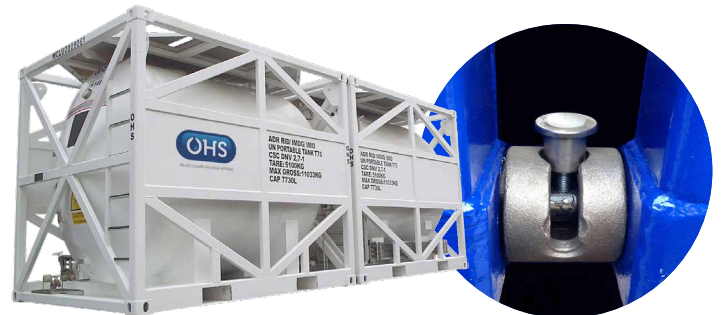
22 bar tank:

Product	Initial fill (kg)	Initial fill pressure (barg)	Holding time (days)
Liquid nitrogen	4,336	0.34	45
Liquid argon	8,165	0.34	52
Liquid oxygen	6,758	0.34	66
Liquid carbon dioxide	7,598	10	91

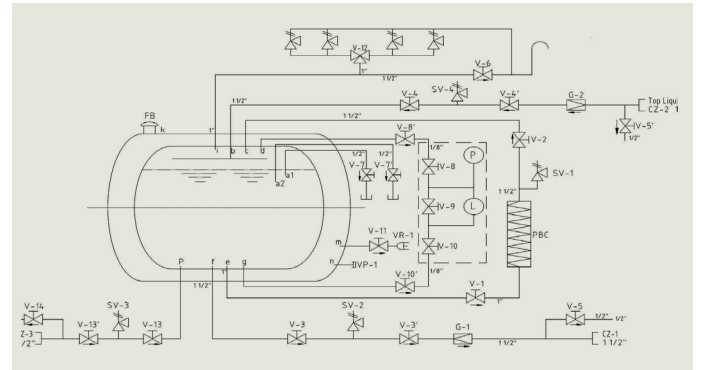
Two 10 feet tanks may be joined and shipped as a standard 20 feet container.

* Typical specification details provided. Exact specifications may differ according to tank model.

** Exact P&ID may differ according to tank model.



Example P+ID**



Rear view showing additional fill connection



Side view showing integral vaporiser

Contacts

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