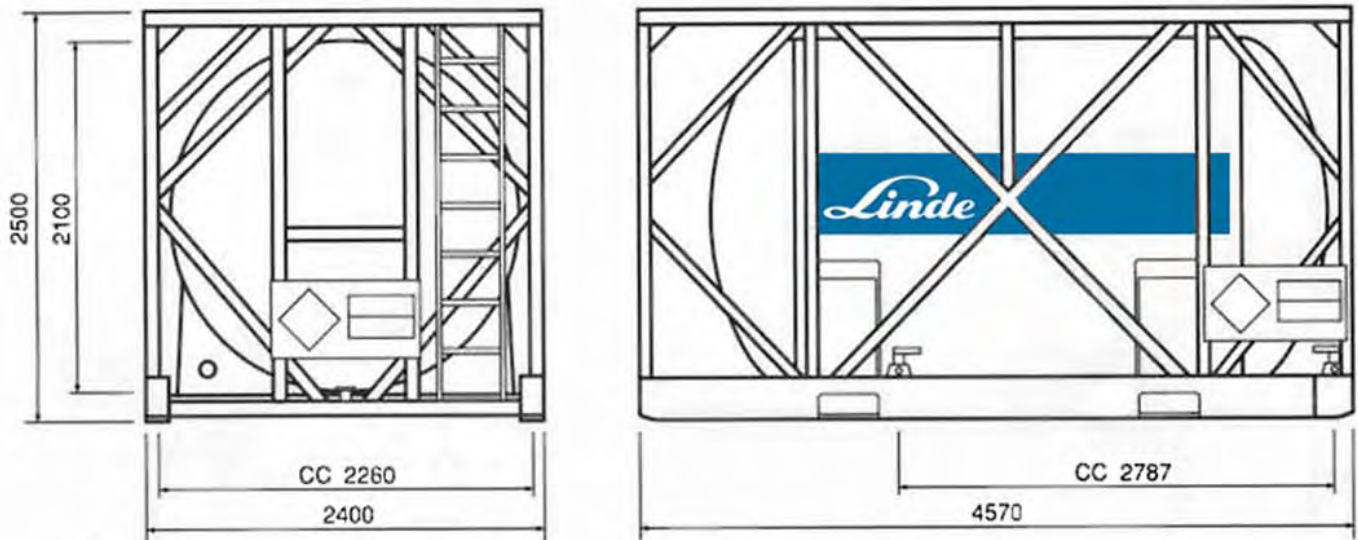


OIL-WELL-SERVICE TANK CONTAINER

Type 80-KXSM-03



General description

The CRYO AB Oil-well-service (OWS) tank container is designed as a double-shell tank with the annular interspace arranged as a multi-layer thermal insulation. The tank is skid-mounted in a robust frame to withstand rough handling under severe conditions.

The CRYO AB OWS tank container is designed and manufactured to conform to the pressure vessel code AD-Merkblatt and the requirements of ADR/RID product class 2 No 7(a). The CRYO AB OWS tank container is tested and approved in accordance with the Container safety convention.

The armatures are easily operated as they are located to one end of the container. To protect the underneath surface (i.e. ship deck) from spillage of cryogenic liquid the CRYO AB OWS tank container is equipped with a stainless steel drip pan, fitted under the armature system.

Dimensions

Overall dimension (l x w x h) 4570 x 2400 x 2500 mm

Volume

Gross volume at 20°C 8 000 litres
Max filling ratio 95 %

Pressure

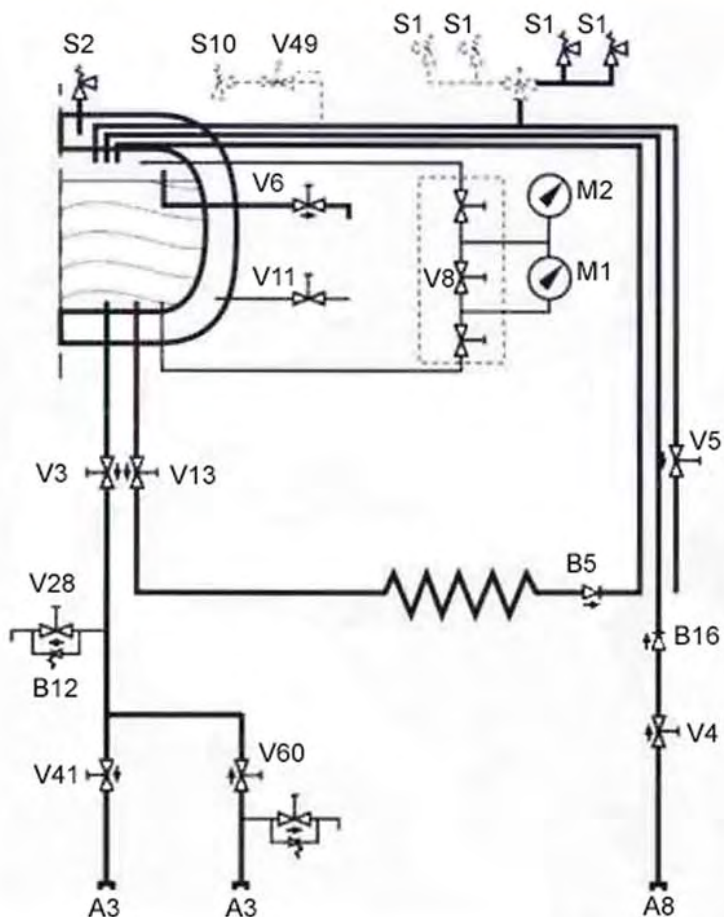
Max working pressure (g) 2.75 bar

Weight

Gross weight approved 15 500 kg
Tare weight 4 600 kg
Max payload 10 900 kg

Product related weight

Product	Filing ratio [%]	Payload [kg]	Gross weight [kg]
Nitrogen	95	6 090	10 690
Oxygen	95	8 590	13 190
Argon	95	10 480	15 080



Legend

A3	Filling/emptying
A8	Return from pump
B5	Check valve
B12	Lines safety valve
B16	Check valve
M1	Liquid level gauge
M2	Tank pressure
S1	Safety valve, inner vessel
S2	Safety valve, outer vessel
S10	Road valve
V3	Shut-off liquid
V4	Shut-off pump
V5	Vapour valve
V6	Trycock valve
V8	Instrument valve
V11	Vacuum test valve
V13	Pressure build-up valve
V14	Three-way valve
V28	Drain valve/Hose
V41	Shut-off emptying
V49	Shut-off filling
V60	Shut-off road-valve

Holding time

Holding time 21 days (93% Oxygen)
Pressure increase 0 - 2.75 bar

Net evaporation rate

Less than 0.9% / 24h (Oxygen)

Other data

Inner vessel material	Austenitic stainless steel
Outer jacket material	Mild steel
Insulation	CRYO AB high performance non-flammable multi-layer and vacuum
International approvals	ADR/RID, IMO 7, CSC
Painting	Anti-corrosion treatment, primer and top coat in white color

Options

- Approvals for national use in most European countries
- Stainless steel outer jacket
- Customer logotype and colour
- Transport maximum pressure regulator
- Lashing equipment
- Changeable safety valves