WELFIT ODDY TANK CONTAINER SPECIFICATION NO.:
OCI/26/G/T11/1057
IMDG T11 (IMO1) TYPE TANK CONTAINER DATE: 02/10/2001
TYPE WO GENERIC T11/26/SH 8

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1. DESIGN PARAMETERS

1.1	Nominal Capacity (Tolerance +- 0.75%)		26 000 l
1.2	Tare Mass (Tolerance +- 3.3%)		3 650 kg
1.3	General Arrangement Drawing No.:		
1.4	Maximum Gross Mass:	Rated	36 000 kg
1.5	Maximum Allowable Working Pressure		4 bar
		Tested to	6 bar
		External Pressure	0.41 bar
1.6	Design Temperature		130°C
1.7	Design Code		ASME VIII DIV.1

2. TANK VESSEL

2.1	Tank Barrel Material	316 Stainless steel DIN 17441 Type 1.4401 (C≤0.03%) Minimum thickness 4.8mm Cold rolled 2B finish
2.2	Tank End Material	316 Stainless steel DIN 17441 Type 1.4401 (C≤0.03%) Minimum thickness 5.3mm Cold rolled and polished to equivalent 2B finish
2.3	Vacuum/Circumferential Rings	3 off in stainless steel 304L
2.4	Radiography	As per ASME VIII UW.52
2.5	Interior Finish	Cold rolled 2B finish Longitudinal welds - as welded Circumferential welds left as is and bottom 400mm ground flush and polished to 2B finish Cleaned, degreased, pickled and passivated
2.6	Exterior Finish	Welds descaled Barrel cleaned, degreased and anti-stress corrosion lacquer applied
2.7	Steam Heating	8 Longitudinal stainless steel elements Working pressure 6 bar tested to 9 bar Outlet 3/4" BSP connection with captive plastic cap Inlet 1" BSP connection with captive plastic cap
2.8	Insulation	Polyurethane panels over compressed ceramic wool nominal thickness 45mm on barrel Ceramic wool blanket on ends

2.9	Cladding	2mm White GRP panels on barrel Stainless steel straps over joints White GRP preformed panels on ends All joints and seams sealed Aluminium, insulated stainless steel rivets and customs rivets
2.10	Calibration	30% Stainless steel captive dipstick mounted to neckring and calibrated in centimeters Etched stainless steel calibration plate in litres and US gallons fitted adjacent to manlid

3. FRAMEWORK

3.1	Configuration:	Collar tank, with end frames connected to vessel by stainless steel 304L skirts Rectangular tube lower side longitudinal beams fitted Square tube top longitudinal beams fitted
3.2	Material	Carbon steel BS 4360 grades 50C and 43C or equivalent
3.3	Dimensions to ISO	Length: 6058mm Width: 2438mm Height: 2591mm
3.4	Corner Castings	To ISO 1161
3.5	Access Ladder	Rear right hand side and stainless steel anti slip rungs
3.6	Walkways	1 Longitudinal, 2 transverse, 475mm wide Marine grade aluminium
3.7	Finish	Shot blasted to grade minimum 2.5 of Swedish standard stainless steel SIS 05-5900. Blast profile 30 - 40 microns Interzinc 42 (zinc epoxy) primer minimum 50 microns thickness Intersheen 990 (recoatable acrylic) top coat in colour of owners choice minimum thickness 50 microns. Combined dry film thickness minimum 100 microns

4. FITTINGS

4.1	Manlid	500mm Stainless steel Swift, 8 copper alloy wing nuts braided PTFE gasket
4.2	Safety Relief Valves	1 Stainless steel Perolo 2½" pressure (4.4 bar) relief valve with flameproof gauze. Provision for rupture disc and manometer.
4.3	Air Inlet	1½" Stainless steel BTR ball valve with captive blank cap with 1½" BSP terminal connection and a manometer fitted.
4.4	Top Discharge Provision	3" Weld in and blank stainless steel flanges Syphon tube lower retaining bracket but no syphon tube
4.5	Bottom Discharge	3" 45° Stainless steel Perolo foot valve and butterfly valve 3" BSP stainless steel outlet with captive blank cap
4.6	Remote Control	Full-length RHS cable fitted to foot valve Provision for fusible link
4.7	Thermometer	Contact type analog from -20°C to 160°C

4.8	Spill Boxes	2 Stainless steel boxes fitted around manlid / relief valve and around top discharge / air inlet. 25mm PVC external drainage tubes fitted.
4.9	Earth Connection	Fitted to lower rear frame crossmember
4.10	Document box	ø110mm, clear PVC document box fitted.

5. GENERAL

5.1 Manhole, air inlet, safety and discharge valves are all fitted with customs sealing devices.

5.2 One set of decals is applied per tank as per code requirements with corporate logo decals applied as per customer requirements.

5.3 One set of stainless steel data plates is applied as per code requirements.

5.4 All tank containers are manufactured under ISO 9001 Quality Management System.

5.5 Each container certified by Lloyds Register.

5.6 Each container is supplied with the requirements of type approval, certification and registration and, where applicable, embodying:

ISO 1496/111, ISO 668, ISO 1161, ISO 2716, ISO 3874

IM101 US DOT (Appraisal only – no certificates supplied)

UKDETR

IMDG

ASME VIII Div 1

RID / ADR

AAR 600

TC

CSC

UIC

Customs Convention

Checked By: ..... Customer Approval: .....