

TANK DATA

Positioning of vessel	Vertical	
Outer diameter main cylinder	5.700	mm
Cylindrical height main cylinder	16.500	mm
Tank height (Excl. nozzles and railing)	± 17.450	± 16.000 kg (empty)
Primary stiffener	n.a.	
Vacuum stiffener(s)	n.a.	
Type of top	Cone 150°	Edge forced 75 mm.
Type of bottom	Flat head	Edge forced 75 mm.
	Slope 5,00%	
Material of medium contact parts	1.4404 / 316L	
Material of other parts	1.4404 / 316L	

SURFACE AND WELD FINISH

Internal surface	Top, bottom and shell courses: base 2B.
Internal welds finish	All welds pickled and passivated
External surface	Top and shell courses: base 2B (insulated). Bottom: base 2B.
External welds finish	All welds pickled and passivated.

SUPPORT - LIFTING LUGS - NAMEPLATE

Type of support	Skirt based on main shell , bottom supported with foamed concrete
Amount of anchors	16
Outlet height	400 mm
Additional notes:	Foamed concrete not supplied by Gpi Lopik
Earthing	1 strip, placed at 45°
Lifting lugs	2 pcs
Nameplate	1 standard pcs

HEATING - COOLING

Shell:	There is no heating/cooling defined for the shell.
Bottom:	Spiral Bottom (60,3*2) 1.4404 75 m in 1 section

DESIGN DATA

	Vessel	Heating coil
Working volume	400,0 m3	
Volume excl. top	404,3 m3	
Total volume	412,3 m3	0,172 m³
Operating pressure	- 0,000 0,000 barg	Barg
Design pressure	- 0,001 0,005 barg	Barg
Design temp.	-20 95 °C	°C
Operating temp.	0 50 °C	°C
Max density	1000 Kg/m³	Kg/m³
Medium	Fish oil	
Design code	S.E.P.	
Fatigue / Nozzle loads	n.a.	/n.a.
Placement / Earthquake zone	Indoors	/n.a.
Notes		

INSPECTION - TESTING

Inspection	Manufacturer, Client
PED Table / reference	PED not applicable
PED Category / Module	n.a. / n.a.
X-ray	n.a.
Penetrant test	n.a.
Visual inspection	yes
Pressure testing	No test required
Weld qualification	n.a. (SEP)
Material certification	3.1 for contact parts only. None for gaskets.
CE	n.a.
Calculations	Acc. to design standard

INSULATION

Insulation material - Cladding (shape and application) . Cladding finish
Top*** Mineral wool 100mm - cone 150deg: 1.4404, Welded Surface base 2B.
Shell Mineral wool 100mm - Profiled Aluminium*, Riveted Surface coated. **
Bottom No bottom insulation.

*trapezoidal plate
**Gpi standard color RAL9006 Silver metallic (Different RAL color t.b.d.)
***Vessel top is accessible/walkable

GASKETS

Manhole	FKM (Viton)
Others	Not included

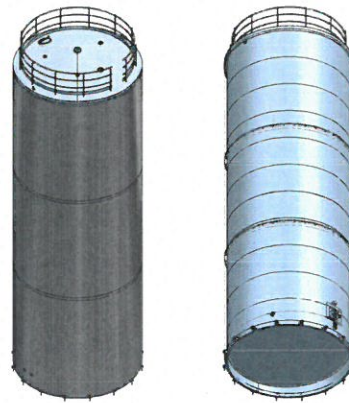
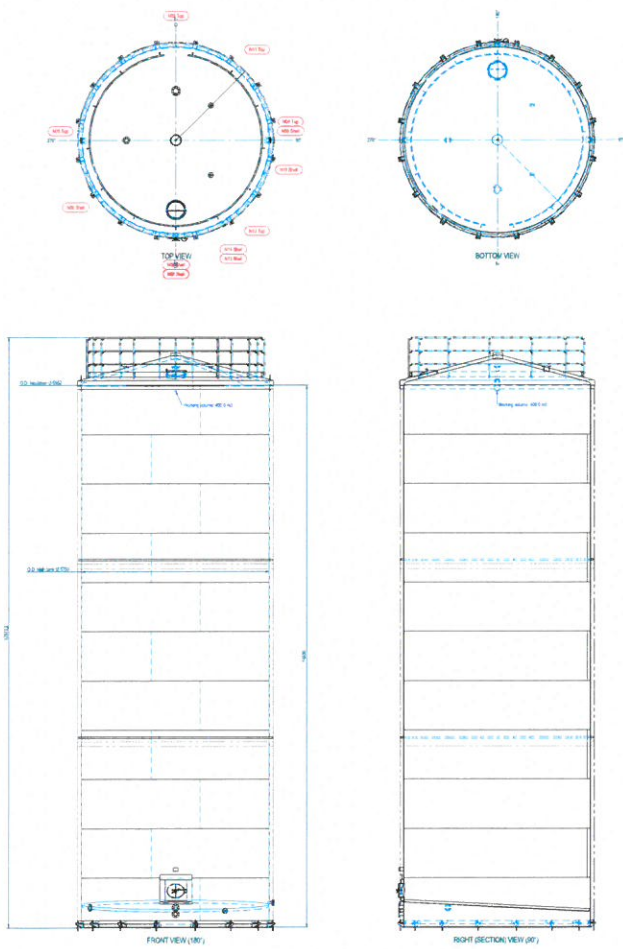
CONNECTIONS / NOZZLES

Item	Size	Type	Standard	Notes	Location
N01	DN 500	Manhole Zimmerlin atm.	-	Manhole	Top
N02	532*432	Manhole Zorzini Oval	-	Manhole	Shell
N03	DN 150	Slip-on Flange PN16	EN 1092-1 TYPE 01 PN16	Cip incl. removable diptube and static sprayball	Top
N04	DN 300	Pipe	EN 10217-7	Vent with cover, insect screen and driptay	Top
N05	DN 100	Slip-on Flange PN16	EN 1092-1 TYPE 01 PN16	Spare	Top
N06	DN 100	Slip-on Flange PN16	EN 1092-1 TYPE 01 PN16	Inlet	Shell
N07	DN 100	Slip-on Flange PN16	EN 1092-1 TYPE 01 PN16	Outlet incl. sump	Shell
N08	DN 100	Slip-on Flange PN16	EN 1092-1 TYPE 01 PN16	Drain	Shell
N09	DN 50	Slip-on Flange PN40	EN 1092-1 TYPE 01 PN40	Heating coil inlet	Shell
N10	DN 50	Slip-on Flange PN40	EN 1092-1 TYPE 01 PN40	Heating coil outlet	Shell
N11	DN 50	Slip-on Flange PN40	EN 1092-1 TYPE 01 PN40	Level switch high (excl.)	Top
N12	DN 50	Slip-on Flange PN40	EN 1092-1 TYPE 01 PN40	Level transmitter (excl.)	Top
N13	DN 50	Slip-on Flange PN40	EN 1092-1 TYPE 01 PN40	Level switch Low (excl.)	Shell
N14	DN 50	Slip-on Flange PN40	EN 1092-1 TYPE 01 PN40	TT (excl.)	Shell

REMARKS

One drawing-revision is included, additional drawing-revisions are regarded as contract extras. General conditions apply.

Concept drawing



SECTION A-A

SECTION B-B

COMPONENTS

NO.	DESCRIPTION	UNIT	QTY	REMARKS
1	Shell	m ²	100.00	
2	Bottom	m ²	100.00	
3	Ladder	m	10.00	
4	Platform	m ²	10.00	
5	Manhole	m ²	10.00	
6	Staircase	m	10.00	
7	Support	m	10.00	
8	Anchor	m	10.00	
9	Foundation	m ²	10.00	
10	Roof	m ²	10.00	
11	Wall	m ²	10.00	
12	Door	m ²	10.00	
13	Window	m ²	10.00	
14	Vent	m ²	10.00	
15	Flange	m ²	10.00	
16	Gasket	m ²	10.00	
17	Bracket	m ²	10.00	
18	Support	m ²	10.00	
19	Anchor	m ²	10.00	
20	Foundation	m ²	10.00	
21	Roof	m ²	10.00	
22	Wall	m ²	10.00	
23	Door	m ²	10.00	
24	Window	m ²	10.00	
25	Vent	m ²	10.00	
26	Flange	m ²	10.00	
27	Gasket	m ²	10.00	
28	Bracket	m ²	10.00	
29	Support	m ²	10.00	
30	Anchor	m ²	10.00	
31	Foundation	m ²	10.00	
32	Roof	m ²	10.00	
33	Wall	m ²	10.00	
34	Door	m ²	10.00	
35	Window	m ²	10.00	
36	Vent	m ²	10.00	
37	Flange	m ²	10.00	
38	Gasket	m ²	10.00	
39	Bracket	m ²	10.00	
40	Support	m ²	10.00	
41	Anchor	m ²	10.00	
42	Foundation	m ²	10.00	
43	Roof	m ²	10.00	
44	Wall	m ²	10.00	
45	Door	m ²	10.00	
46	Window	m ²	10.00	
47	Vent	m ²	10.00	
48	Flange	m ²	10.00	
49	Gasket	m ²	10.00	
50	Bracket	m ²	10.00	
51	Support	m ²	10.00	
52	Anchor	m ²	10.00	
53	Foundation	m ²	10.00	
54	Roof	m ²	10.00	
55	Wall	m ²	10.00	
56	Door	m ²	10.00	
57	Window	m ²	10.00	
58	Vent	m ²	10.00	
59	Flange	m ²	10.00	
60	Gasket	m ²	10.00	
61	Bracket	m ²	10.00	
62	Support	m ²	10.00	
63	Anchor	m ²	10.00	
64	Foundation	m ²	10.00	
65	Roof	m ²	10.00	
66	Wall	m ²	10.00	
67	Door	m ²	10.00	
68	Window	m ²	10.00	
69	Vent	m ²	10.00	
70	Flange	m ²	10.00	
71	Gasket	m ²	10.00	
72	Bracket	m ²	10.00	
73	Support	m ²	10.00	
74	Anchor	m ²	10.00	
75	Foundation	m ²	10.00	
76	Roof	m ²	10.00	
77	Wall	m ²	10.00	