

Proper vent type swan neck so that it can not get into snow.

For ladders and platforms see drawing 12-1011-61765.

Only nozzle A1 and A4.

Nameplate at 112,5°

Oper. temp.	5/30°C (min/max)
Test pressure	Waterfilling
Media	Rapeseed Methyl Esther (RME)
Density	884 kg/m ³
Volume	61 m ³
Location	Outdoor
Weight empty	7520 kg
Weight operating	61444 kg
Material certificate	EN 10204 3.1
Insulation	Yes t=60
Test weight	68520 kg
Wind pressure	562 N/m ²
Surface treatment	NZ1122200/L.02/0005

DESIGN DATA

Design code	EN 14015 / AFS 2005:2
Media class	2a
Class	Paragraph 7
Snow load	1,5 kN/m ²
Manufacturing No	11090
Customer pos. nr.	B2-54-TK-001
Welding method	MMA, TIG, Plasma
Base material	1.0565 P355NH
Joint factor	1
Corrosion allowance	1,6 mm
Testing	100%
Design pressure	0/0 bar(g)
Design temp.	-20/75°C
Oper. pressure	0 bar(g)

Connectionlist

Co.	DESCRIPTION	DN	PN	FLAN	PIPE	W.R.	Leng	Other	Weld	M _t (kNm)	M _r (kNm)	M _s (kNm)	F _d (kN)
A1	RME Inlet	80	16	11	7	-	dwg		NS1-P2 NF2	±0,03	±0,03	-	±1,8
A2	Spare	50	16	12	8	-	dwg	36 37 38 39 40	NS1 NF2	±0,01	±0,01	-	±1,8
A4	Minimum flow bypass	50	16	12	8	-	dwg		NS1-P2 NF2	±0,01	±0,01	-	±1,8
B1	RME outlet	50	16	12	8	-	dwg		NS1 NF2	±0,01	±0,01	-	±1,8
B3	Overflow	80	16	11	7	-	dwg		NS1 NF2	±0,03	±0,03	-	±1,8
D1	Drain	50	16	12	8	-	dwg		NS1 NF2	±0,01	±0,01	-	±1,8
L1	Level transmitter	150	16	14	9	-	dwg		NS1 NF2	-	-	-	-
L2	Level transmitter	50	16	12	8	-	dwg		NS1 NF2	-	-	-	-
M1	Manhole with davit	600	16	15	10	-	dwg	28 29 30 31 32	NS1-P1 NF2	-	-	-	-
M2	Manhole with davit	600	16	15	10	-	dwg	28 29 30 31 32	NS1-P1 NF2	-	-	-	-
T1	Thermowell	50	40	13	8	-	dwg		NS1 NF2	-	-	-	-
V1	Vent	50	16	12	8	-	dwg		NS1 NF2	±0,01	±0,01	-	±1,8
E1	Electrical heater	100	16	27	26	-	dwg		NS1 NF2	±0,05	±0,05	-	±1,8

Insulation supports.
(20 items at each level,
equally divided).

- 1) EN10028-3 1.1106 P355NL2
- 2) EN10216-3 1.0565 P355NH/P355NL
- 3) EN10222-4 1.0571 P355 QH
- 4) EN10273 1.1106 P355NL2

Drain D1, DN 50.

Anchor and bottom.
(8 anchor at 0°, 45°, 80°, 135°
170°, 225°, 270°, 310°).

Lifting at 0° 135° and 225°.

JACOBS	
Project Title	GoBiGas 20 MW Project
Jacobs Purchase Order Number	NZ112220-P-M21108
Jacobs Project Number	NZ112220
Jacobs Requisition Number and Revision	M.20/1108 rev.3
Jacobs Document Number	NZ112220/M.04/5401
Client Document Number	B2-J-54-MTK-572-001
Document Title	
Revision Number	3
Revision Date	2012-05-24
Equipment Name	RME Storage Tank
Equipment ID Number / Tag Number	B2-54-TK-001

Item	Qty	Name of part	Material	Dwg-no./Dim
56	4	Washer	EN10269 42CrMo4	Ø28/14x2
55	4	Nut	EN10269 42CrMo4	M12
54	2	Plate	1)	80x80x8
53	2	L-beam	1)	40x40x8
52	2	Plate	1)	150x50x8
51	2	Bar	4)	Ø12
50	2	Earthing lug	EN10028-7 1.44.04	100x50x10
49	1	Ring	1)	Dy300x10
48	6	U-beam	1)	80x80x8
47	24	Washer	EN10269 42CrMo4	Ø22/11x2
46	12	Locking Nut	EN10269 42CrMo4	M10
45	12	Screw	EN10269 25CrMo4	M10 L=40
44	6	Halfclamp (plate)	1)	SSG 7075
43	6	Halfclamp (plate)	1)	SSG 7075
42	9	Plate (pads)	1)	70x70x6
41	9	L-bar	1)	40x40x6
40	3	Gasket	Specma Elastagraph	DN 50 PN 16 t=1,6
39	1	Blindflange	DIN 2527 3)	DN50 PN16
38	10	Washer	EN10269 42CrMo4	Ø30/17x3
37	10	Nut	EN10269 42CrMo4	M16
36	5	Stud bolts	EN10269 25CrMo4	M16 (L=105)
35	1	Davit	See drawing:	12-1010-61765
34	1	Davit	See drawing:	12-1009-61765
33	6	Stiffener plate	1)	t=10
32	2	Blindflange	DIN 2527 3)	DN600 PN16
31	88	Washer	EN10269-42CrMo4	Ø62/34x4
30	88	Nut	EN10269-42CrMo4	M33
29	44	Stud bolts	EN10269-25CrMo4	M33 (L=195)
28	6	Gasket	Specma Elastagraph	DN 600 PN 16 t=1,6
27	1	Weldin neck fl.	DIN 2633 3)	DN100PN16EN1092-1/11
26	1	Pipe	2)	Ø114,3x(1,1)
25	0			
24	0			
23	0			
22	0			
21	1	Plate (drain)	1)	t=6
20	16	Stiffener plate	1)	t=10
19	8	Plate	1)	t=15
18	80	Insulation support	1)	50x40x5
16	1	Designation plate	1)	t=5
15	2	Welding neck fl.	DIN 2633 3)	DN600PN16EN1092-1/11
14	1	Welding neck fl.	DIN 2633 3)	DN150PN16EN1092-1/11
13	1	Welding neck fl.	DIN 2635 3)	DN50 PN4.0 EN1092-1/11
12	6	Welding neck fl.	DIN 2633 3)	DN50 PN16 EN1092-1/11
11	2	Welding neck fl.	DIN 2633 3)	DN80 PN16 EN1092-1/11
10	2	Pipe M1,M2	1)	Ø610x15
9	1	Pipe L1	2)	Ø168,3x(7,11)
8	7	Pipe A2,A4,B1,D1,L2,T1,V1	2)	Ø60,3x6,3
7	2	Pipe A1, B3	2)	Ø88,9x7,6
6	1	Ring	1)	Ø3732/3612x15
5	1	Roof	1)	Ø3662 t=6
4	1	Bottom	1)	Ø3732 t=6
3	1	Shell 3	1)	ID3600 t=6
2	1	Shell 2	1)	ID3600 t=6
1	1	Shell 1	1)	ID3600 t=6

Projection: 

Unless otherwise stated:
Tolerance system: Heat exc. TEMA Section 2
Pressure vessels DIN 28005
Dimensions in mm.

Project no. 2011-11-25
Assembly dwg
Designed Drawn
Checked
Scale 1:30
Dwg-no. 11-1059-61765
Rev. 3

#	Date	Revision	Name
3	2012-05-22	Small changes in parts list. Support for electrical heater added. Earthing added. Anchor rotated. Nozzle L1 moved.	PT
2	2012-02-21	P355NL2 was P355NH P355QH was P355NH	BB
1	2012-02-06	Total revision.	PT