

GOED VOOR UITVOERING  
VISA :  
DATUM :

MANUFACTURER	T.I.B. N.V. PANTERSCHIPSTR.179 GENT		
PURCH. ORDER No.	455 166 6242		
DESIGN CODE	ASME V111 DIV.1		
TANK No.	V 342	CLASS OF PRODUCT	K3
DIAMETER	1.2 m	YEAR OF MANUF.	2003
SHELL HEIGHT	2 m	MANUF. No.	TIB 23002 002
MAX. FILL. HEIGHT	1.86 m	DESIGN PRESS.	2 m bar ga
VOLUME	2.39 m <sup>3</sup>	VACUUM	- m bar ga
DESIGN DENSITY	WATER t/m <sup>3</sup>	MAX. FILL. RATE	- m <sup>3</sup> /h
DESIGN TEMP.	180 °C	MAX. EMPT. RATE	- m <sup>3</sup> /h
HEATING COIL DATA			
MEDIUM	-	TEMP. MAX.	- °C
SURFACE AREA	- m <sup>2</sup>	PRESS. MAX.	- bar ga

MATERIAALLIJST							
STUKNR.	AANTAL	BESCHRIJVING	AFMETING	MAT.	OPM.	G.(kg)	CERT.
1	1	ST plaat	3739x2000x5	CS	mantel	299	3.1.B
2	1	ST plaat (hoek=311,76°)Cone	ø1376xø78x6	CS	bodem	61,4	3.1.B
3	1	ST plaat	ø1190xø640x6	CS	deksel	36,7	3.1.B
4	8	ST plaat (verst.ribbe bovenplaat)	260x60x5	CS		4,9	
5	4	ST plaat (verst.ribbe deksel)	205x40x5	CS		3,2	
6	1	ST plaat	ø720x186x12	CS		36	3.1.B
7	10	ST plaat (driehoekig)	120x72x5	CS	baffle	1,8	
8	2	ST plaat	100x1300x8	CS	baffle	17,2	
9	0,2	m buis sch40	ø6"	CS		0,5	
10	0,5	m buis sch40	ø2"	CS		1,2	
11	0,2	m buis sch40	ø3"	CS		1,3	
12	0,1	m buis sch80	ø1"	CS		0,2	
13	1	ST hiefflens 150# sch40	ø3"	CS		4,5	
14	4	ST hiefflens 150# sch40	ø2"	CS		10,8	
15	1	ST hiefflens 150# sch80	ø1"	CS		1,1	
16a	1	ST slip on flens 150#	ø6"	CS		8,6	
16b	1	ST slip on flens 150#	ø2"	CS		2,7	
17	1	ST blindflens 150#	ø2"	CS		0,9	
18	4	ST hijssoog	70x50x10	CS		0,6	
19	1	ST aardingscilinder	ø40x45	CS	gat M10	0,8	
20	2	ST schuifmoef drukloos BSP male	G1"	CS		0,1	
21	2	ST full coupling BSP fem	G1"	CS		0,1	
22	1	ST draadstang	M10x50	GALVA		0,01	
23	20	ST BOUT	M12x40	GALVA		0,2	
24a	16	ST moer	M12	GALVA		0,1	
24b	2	ST moer	M10	GALVA		0,1	
25a	20	ST sluitring	M12	GALVA		0,1	
25b	2	ST sluitring	M10	GALVA		0,1	
26	1	ST dichting voor deksel	ø720xø640x3		16xø14		
27	1	ST dichting voor mixer	ø250x185x3		4xø14		
28	1	ST dichting 150#	ø6"				
29	1	ST dichting 150#	ø2"				
30	8	ST bout/moer/sluitring	ø3/4"x3 1/4"	GALVA	6"150#	0,1	
31	4	ST bout/moer/sluitring	ø5/8"x2 1/2"	GALVA	2"150#	0,1	
32	0,1	m buis sch10s	ø8	CS		2	
33	4	ST voetsteun	ø6" hoogte=2270	st 37		104	
34a	4	ST schelpen	300x5 R=600 l=1360	st 37		64	
34b	16	ST ankerbout	M16x120	galva		1	
35	1	ST Whessoe deksel	ø6"	CS		12	
36	1	ST mixer FD 35.11				86	
37	1	ST trivorkschakelaar			LZA023	0,5	
38	1	ST trivorkschakelaar			LZA067	0,5	
GEWICHT VESSEL						496 Kg	
GEWICHT INSTRUMENTATIE						99 Kg	
GEWICHT STEUNEN						168 Kg	
TOTAAL GEWICHT						763 Kg	

DESIGN DATA VESSEL	
Code	ASME VIII DIV.1
Design press.	ATM
Design temp.	120°C
Cet	- °C
Test pressure	Full of water
Joint eff	
Corrosion all	- mm
X Ray	
Stress relief	
Other NDT	
Weight empty	763 kg

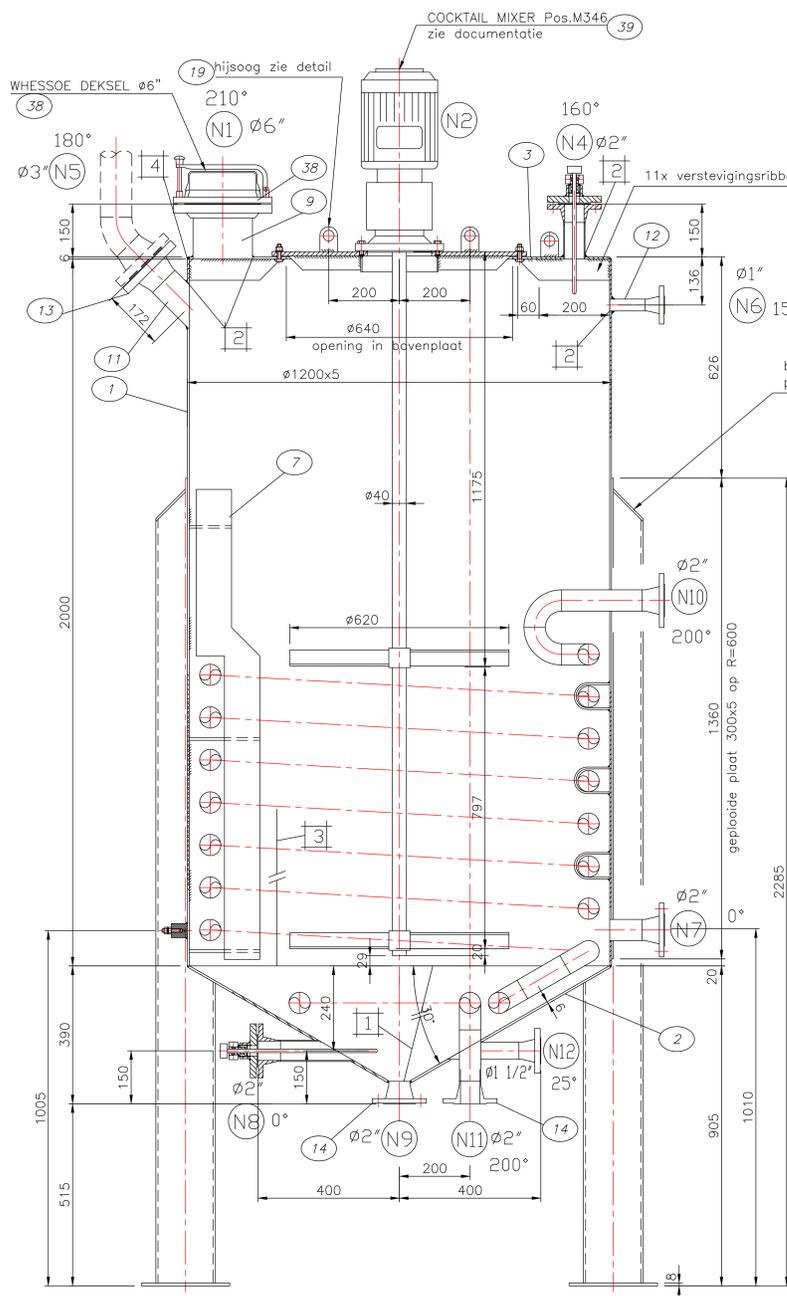
GENERAL NOTES  
 - Finish: Aluminium paint nr.3 ral.9006  
 - Nozzle: Boltholes shall straddle vessel major axis  
 Flange facings Ra=3.2 - 6.3 µm  
 For transport blanking of all nozzles with wooden disks  
 - Dimensions with [ ] indication must be accutately respected

N	1	2"	3,4	TOF EL+2996	SO-RF-150#	WHESSOE DEKSEL
N1	1	6"	3,4	TOF EL+2996	SO-RF-150#	WHESSOE DEKSEL
N2	1	/	/	/	RF-150#	MIXER FD 35.11
N3	1	2"	2,77	TOF EL+2996	WN-RF-150#	ATM.
N4	1	2"	2,77	TOF EL+2996	WN-RF-150#	LZA 067 YES
N5	1	3"	3,05		WN-RF-150#	INLET from IBC
N6	1	1"	2,77	EL+2760	RF-150#	INLET product
N7	1	2"	2,77		SO-RF-150#	LIA 048
N8	1	2"	2,77	EL+650	WN-RF-150#	LZA 023 YES
N9	1	2"	2,77	BOF+500	WN-RF-150#	OUTLET
MARK.	NBR.	DIAM.	THICKN.	LEVEL	FLANGE TYPE	SERVICE
NOZZLE DATA						

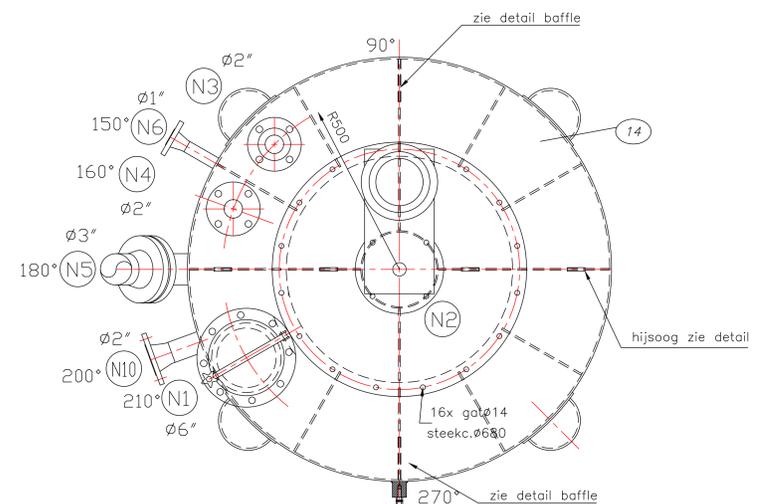
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b	19-02-03	voor uitvoering	GP.D.	J.M.
a	13-02-03	ter goeakeuring	GP.D.	J.M.
Index	Datum	Beschrijving	Naam	Nagezien

ZAAK: 23-002	klant: SHELL GENT
DOSSIER: 10882	
getek.: G.P.D. 02-01-03	naam: datum: titel:
contra: 1/10	nummer T.I.B.: TIB 23-002/002
1/10	Formaat: A1
	Folio: 001

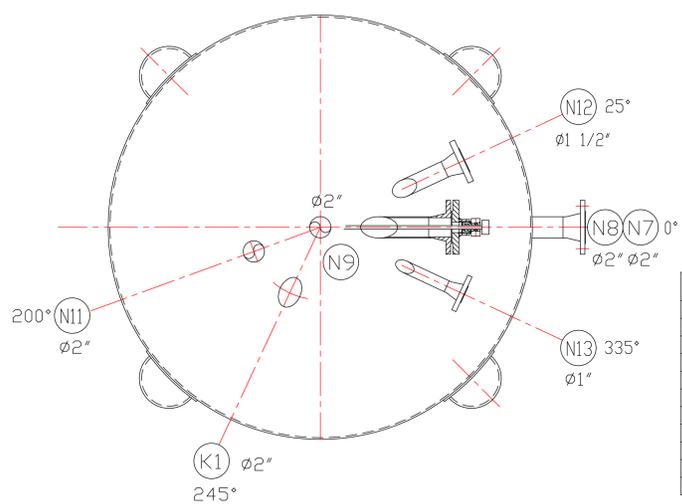
TUYAUTERIES INDUSTRIELLES INDUSTRIELLE LEIDINGEN  
 ZETEL 83 rue J.B. Serkeynstraat Panterschipstraat 179 - 9000 Gent  
 1090 Bruxelles - Brussel tel: 09/253.40.01 fax: 09/253.64.93



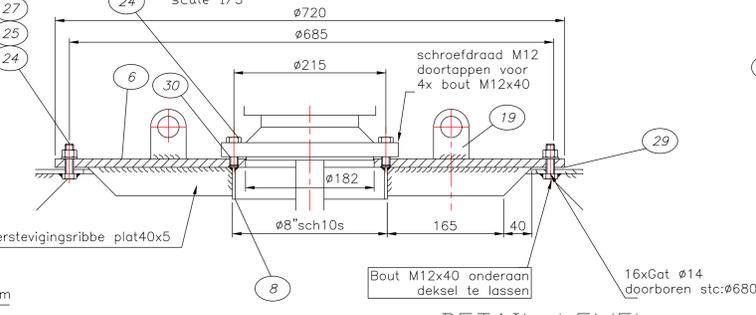
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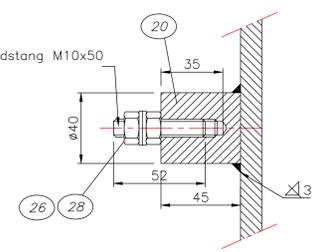
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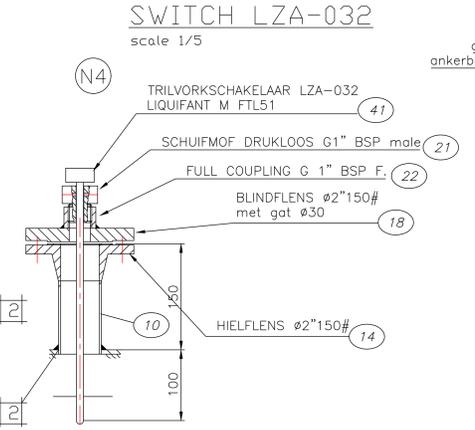
DETAIL DEKSEL MIXER  
scale 1/5



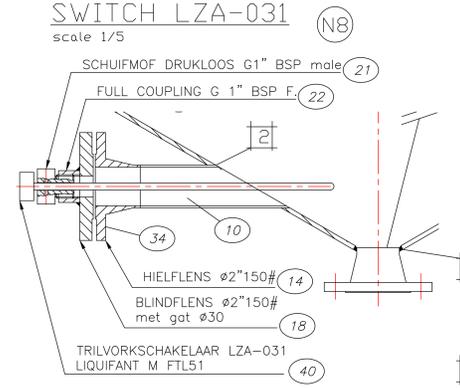
DETAIL EARTHING BOSS  
scale 1/2



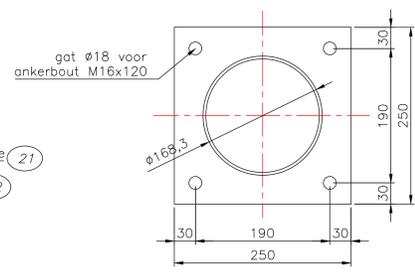
DETAIL LEVEL  
SWITCH LZA-032  
scale 1/5



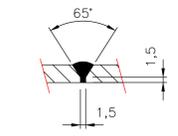
DETAIL LEVEL  
SWITCH LZA-031  
scale 1/5



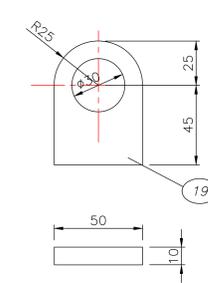
DETAIL VOETPLATEN(4x)  
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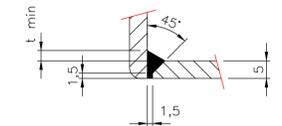
WELDDETAIL 1  
scale 1/1



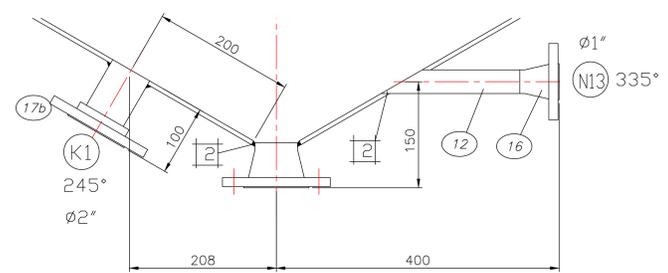
HIJSDOOG(4x)  
scale 1/2



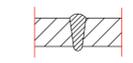
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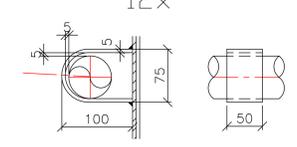
DETAIL NOZZLE SPUD LIA  
scale 1/5



WELDDETAIL 3  
scale 1/1



DETAIL STEUNEN SPIRAAL  
scale 1/5



WELDDETAIL 4  
scale 1/1



GOED VOOR UITVOERING  
VISA :  
DATUM :

DESIGN DATA VESSEL	
Code	ASME VIII DIV.1
Design press.	ATM
Design temp.	120°C
Cet	- °C
Test pressure	Full of water
Joint eff	-
Corrosion all	- mm
X Ray	-
Stress relief	-
Other NDT	-
Weight empty	944 kg

MANUFACTURER	
T.I.B. N.V. PANTSCHIPSSTR.179 GENT	
PURCH. ORDER No.	455 166 6242
DESIGN CODE	ASME VIII DIV.1
TANK No.	V 346
CLASS OF PRODUCT	K3
DIAMETER	1.2 m
YEAR OF MANUF.	2003
SHELL HEIGHT	2 m
MANUF. No.	TIB 23002 003
MAX. FILL HEIGHT	1.86 m
DESIGN PRESS.	2 m bar ga
VOLUME	2.31 m³
VACUUM	- m bar ga
DESIGN DENSITY	WATER 1/m³
MAX. FILL RATE	- m³/h
DESIGN TEMP.	180 °C
MAX. EMPT. RATE	- m³/h
MEDIUM	STEAM
HEATING COIL DATA	
TEMP. MAX.	145 °C
SURFACE AREA	34.03 m²
PRESS. MAX.	3 bar ga

MATERIAALLIJST

STUKNR.	AANTAL	BESCHRIJVING	AFMETING	MAT.	OPM.	G.(kg)	CERT.
1	1	ST plaat	3739x2000x5	inox 304	mantel	299	3.1.B
2	1	ST plaat (hoek=311,76°)Cone	ø1376xø78x6	CS	bodem	61,4	3.1.B
3	1	ST plaat	ø1190xø640x6	CS	deksel	36,7	3.1.B
4	11	ST plaat (verst.ribbe bovenplaat)	260x60x5	CS		6,7	
5	4	ST plaat (verst.ribbe deksel)	205x40x5	CS		3,2	
6	1	ST plaat	ø720x186x12	CS		36	3.1.B
7	2	ST plaat	1390x130x8	CS	baflie	17	
8	0,1	m buis sch40	ø8"	CS		2	
9	0,2	m buis sch40	ø6"	CS		0,5	
10	0,5	m buis sch40	ø2"	CS		1,2	
11	0,2	m buis sch40	ø3"	CS		1,3	
12	0,4	m buis sch40	ø1"	CS		0,8	
13	1	ST hieflens 150# sch40	ø8"	CS		4,5	
14	7	ST hieflens 150#	ø2"	CS		18,9	
15	1	ST hieflens 150#	ø1 1/2" sch80	CS		1,6	
16	2	ST hieflens 150#	ø1"	CS		2,2	
17a	1	ST slip on flens 150#	ø6"	CS		8,6	
17b	1	ST slip on flens 150#	ø2"	CS		2,5	
18	1	ST blindflens 150#	ø2"	CS		0,9	
19	2	ST hiejsog	70x50x10	CS		0,6	
20	1	ST aardingscilinder	ø40x45	CS	gat M10	0,8	
21	1	ST schuifmof drukloos BSP male	G1"	CS		0,1	
22	1	ST full coupling BSP fem	G1"	CS		0,1	
23	1	ST draadstang	M10x50	galva		0,01	
24	20	ST BOUT	M12x40	galva		0,2	
25	16	ST moer	M12	galva		0,1	
26	16	ST moer	M10	galva		0,1	
27	20	ST sluitring	M12	galva		0,1	
28	20	ST sluitring	M10	galva		0,1	
29	1	ST dichting voor deksel	ø760xø660x3		16xø14		
30	1	ST dichting voor mixer	ø180x140x3		4xø14		
31	1	ST dichting 150#	ø6"				
32	1	ST dichting 150#	ø2"				
33	8	ST bout/moer/sluitring	ø3/4"x3 1/4"	galva	6"150#	0,1	
34	4	ST bout/moer/sluitring	ø5/8"x2 1/2"	galva	2"150#	0,1	
35							
36	4	ST voetsteun	hoogte=2270	st 37		103	
37	16	ST ankerbout	M16x120	galva		1	
38	1	ST Whessoe deksel	ø6"	CS		12	
39	1	ST mixer FD 35.11				86	
40	1	ST trivorkschakelaar			LZA031	0,5	
41	1	ST trivorkschakelaar			LZA032	0,5	
42							
43							
44	3	ST bocht 90° LR	ø2"	CS		2,8	
45	28,5	m buis sch80s	ø2"	CS		213,2	
46	12	ST steun coil	voorø2"	CS		15	
						GEWICHT VESSEL	505 Kg
						GEWICHT INSTRUMENTATIE	104 Kg
						GEWICHT STEUNEN	104 Kg
						GEWICHT COIL/bochten/steunen	231 Kg
						TOTAAL GEWICHT	944 Kg

GENERAL NOTES

- Finish: Aluminium point nr.3 ra1.9006
- Nozzie: Boltholes shall stradle vessel major axis  
Flange facings Ra=3.2 - 6.3 µm  
For transport blanking of all nozzles with wooden disks
- Dimensions with [ ] indication must be accutatly respected

NBR.	DIAM.	THICKN.	REINF.PL.	FLANGE TYPE	SERVICE	BL.FL.	
N1	1	6"		RF	150#	WHESOE DEKSEL	
N2	1	/		RF	150#	MIXER FD 35.11	
N3	1	2"		RF	150#	ATM.	
N4	1	2"		RF	150#	LZA-032	YES
N5	1	3"		RF	150#	INLET from IBC	
N6	1	1"		RF	150#	INLET product	
N7	1	2"		RF	150#	TZA 070	
N8	1	2"		RF	150#	LZA 031	YES
N9	1	2"		RF	150#	OUTLET	
N10	1	2"		RF	150#	INLET WATER	
N11	1	2"		RF	150#	OUTLET WATER	
N12	1	1 1/2"		RF	150#	THERMOWELL	
N13	1	1"		RF	150#	van overdrukventiel	
K1	1	4"		RF	150#	SPUD LIA-056	

NOZZLE DATA

Index	Datum	Beschrijving	Naam	Nagezien
b	27-02-03	goed voor uitvoering	G.P.D.	J.M.
a	13-02-03	ter goeakeuring	G.P.D.	J.M.

ZAAK: 23-002 klant: **SHELL GENT**

DOSSIER: 10882

getek.: G.P.D. 19-01-03 titel: **VESSEL V-346**

contra.: 1/10 formaat: A1 nummer T.I.B.: TIB 23-002/003

Folio: 001

**TUYAUTERIES INDUSTRIELLES INDUSTRIELLE LEIDINGEN**

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TECHNISCHE DIENST Panterschipsstraat 179 - 9000 Gent tel: 09/253.40.81 fax: 09/253.64.93

