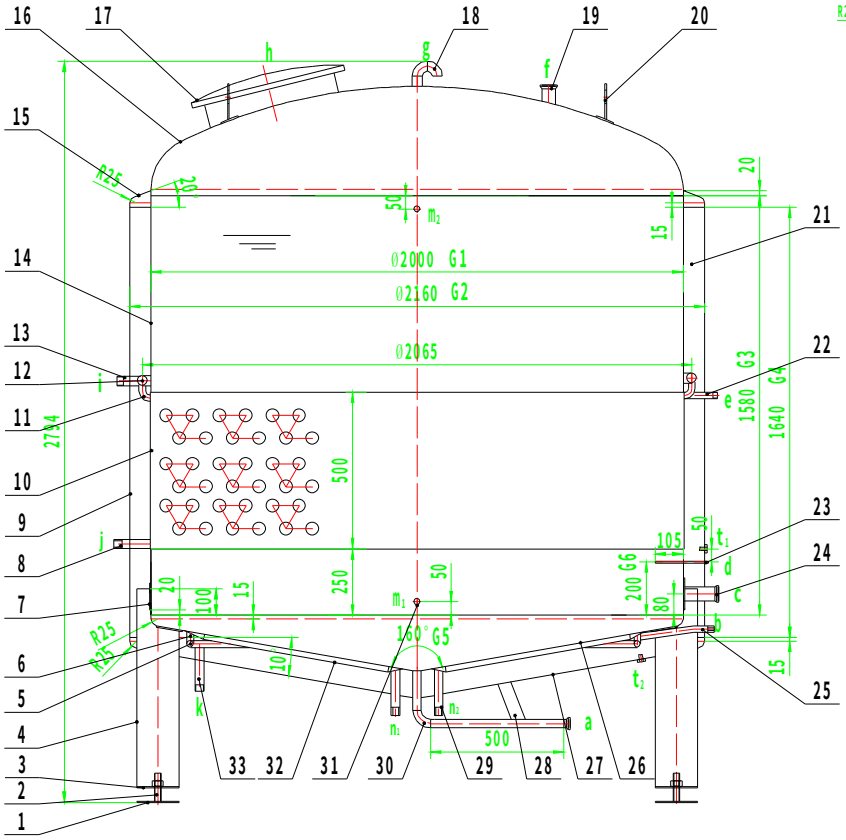
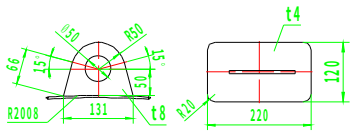
-80-1



Lifting lug diagram



Pipe port list

Symbol	Nominal size	Face type	Usage
a	2^{S} (Ø51)	Tri-clamp	Drain port
b	G1/2	Fenale thread	Botton cone safety component port
c	2^{S} (Ø51)	Tri-clamp	Hot water outlet
d	Ø14		Thermoneter port
e	G1/2	Fenale thread	Tank body safety component port
f	1.5^{S} (Ø38)	Tri-clamp	Return port
g	1.5^{S} (Ø38)		Breather port
h	Ø500		Manway
i	G1-1/4	Male thread	Tank body stean inlet
j	G1	Fenale thread	Tank body condensate water outlet
k	G1-1/4	Male thread	Botton cone steam inlet
m	G3/8	Fenale thread	Liquidometer port
n_{1-2}	G1	Male thread	Botton cone condensate water outlet
t_{1-2}	Ø16	Special joint	Wire port

Key Size List

Synobol	Name	Key Size
G1	Inner tank dianeter	Ø2000
G2	Cladding body dianeter	Ø2160
G3	Inner tank body height	H=1580
G4	Cladding body height	H=1640
G5	Inner tank botton cone degree	160°
G6	Thermoneter well location	H=200
Pipe ports should keep off fron welding line.		

Technical Requirement

1. Total volume: 5950L, effective volume: 40BBL, heat exchanging area: 5.7m^2;
2. Argon arc welding.
3. After finish, fill tank with water to test leakage. Do water pressure test on tank dimple plate and bottom cone heating jacket. Testing pressure is 0.4MPa.

序号	代号	名称	数量	材料	单件重量	总计重量	备注
33		Bottom cone steam inlet Ø42×4.5 L=150	1	06Cr19Ni10	0.7	0.7	
32		Bottom cone heating jacket t2.5/t3	1	06Cr19Ni10	50	50	
31		Liquidometer connection Ø22×3.5 L=110	2	06Cr19Ni10	0.2	0.4	
30		Drain pipe Ø51×1.5	1	06Cr19Ni10	1.5	1.5	
28		Tension brace 150×50×2	1	06Cr19Ni10	0.1	0.1	
27		Cladding bottom cone t2.5	1	06Cr19Ni10	75	75	
26		Inner tank bottom cone t4	1	06Cr19Ni10	105	105	
25		Botton cone safety conponent joint Ø27×4 L=310	1	06Cr19Ni10	0.7	0.7	
24		Hot water outlet Ø51×1.5 L=110	1	06Cr19Ni10	0.2	0.2	
23		Thermometer well Ø14×2 L=200	1	06Cr19Ni10	0.1	0.1	
22		Body safety component joint Ø27×4 L=110	1	06Cr19Ni10	0.3	0.3	
21		Insulation material	2.2m^3	Rock wool	63.5	139.7	
20		LIfting lug and baseplate t8/t4	2	06Cr19Ni10	3	6	
19		Return pipe Ø38×1.5 L=50	1	06Cr19Ni10	0.1	0.1	
18		Breathe pipe Ø38×1.5 L=40	1	06Cr19Ni10	0.2	0.2	
17		Manway DN500	1	06Cr19Ni10	8	8	
16		Dome head THA2000×4	1	06Cr19Ni10	130	130	
15		Cladding top seal t3	1	06Cr19Ni10	15	15	
14		Inner tank t3	1	06Cr19Ni10	240	240	
13		Body steam inlet Ø42×4.5 L=80	1	06Cr19Ni10	0.4	0.4	
12		Tank body steam coil Ø45×2 L=6485	1	06Cr19Ni10	14	14	
11		Body steam branch inlet Ø25×2 L=100	4	06Cr19Ni10	0.1	0.4	
10		Body dimple plate t1.5	1	06Cr19Ni10	38	38	
9		Cladding body t2	1	06Cr19Ni10	178	178	
8		Body condensate water outlet Ø38×4.5 L=110	1	06Cr19Ni10	0.4	0.4	
7		Leg reinforcing plate 100×220×3	8	06Cr19Ni10	0.5	4	
6		Bottom cone steam branch inlet Ø25×2 L=40	4	06Cr19Ni10	0.1	0.4	
5		Bottom cone steam coil Ø45×2 L=5275	1	06Cr19Ni10	11.3	11.3	
4		Leg Ø159×3 L=750	4	06Cr19Ni10砂光管	8.7	34.8	
3		Leg baseplate Ø152×6	4	06Cr19Ni10	0.9	3.6	
2		Adjustable bolt M24×100	4	06Cr19Ni10	0.8	3.2	
1		Leg baseplate Ø160×6	4	06Cr19Ni10	1	4	

Zhongde Equipment Co., Ltd. Shandong

职责	签名	日期
设计		
校核		
审核		
批准		

40BBL Hot Water Tank

材料名称	06Cr19Ni10
项目名称	2013-149
设计阶段	
图号	1-08-
重量/kg	1066.500
比例	1:13
共 页	第 页

借(通)用件登记	
旧底图总号	
底图总号	
签字	
日期	
档案员	日期