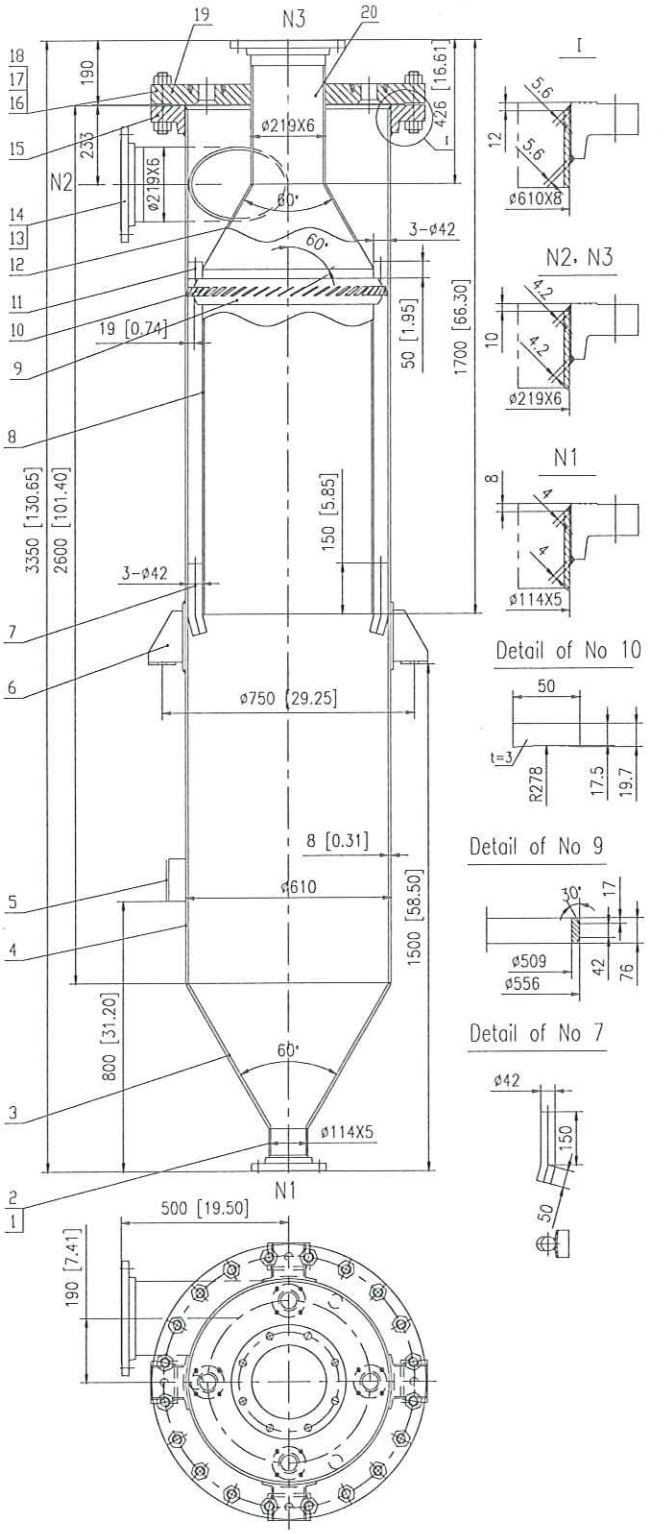
#109754



Detail of U Stamp NPL

National Board N.O.:

CERTIFIED BY
JIANGYIN BOILER & VESSEL FACTORY

W — 1.1 MPa at 150 °C
Max. Allowable Working Pressure

RT3 — 0.1 MPa at 150 °C
Max. Allowable External Working Pressure

-104 °C at 1.1 MPa
Min. Design Metal Temperature

WEILONG

/ — 2009
Manufacturer Serial Number — Year Built

技术条件及数据 TECHNICAL SPECIFICATION & DATA					
CODE 规范 ASME BPVC Section Ⅷ Division 1 2007 ED +2008AD					
		壳程 Shell			壳程 Shell
操作压力 MPa Operating Pressure		1.0	设计压力 MPa Design Pressure		1.1/-0.1
操作温度 ℃ Operating Temperature		150	设计温度 ℃ Design Temperature		160
腐蚀裕量 mm Corrosion Allowance		0	水压试验压力 MPa Hydrostatic test Pressure		1.31
介质名称 Medium Name		Vapor	水压试验介质名称 Hydrostatic test Medium Name		水 Water
焊接接头系数 E joint coefficient		0.85	水压试验温度 ℃ Hydrostatic test Temperature		15-45
全容积 m³ Volume		0.85	换热面积 m² Heat exchange area		NA
最低设计金属温度 ℃ MDMT		-104°C at 1.0MPa	冲击试验 Impact Test		不需要 UHA-51(d) Not Required
重量Kg weight	设备空重 Dry Kg	/	主要受压元件材料 Material of the main compression part		304L/SA-240M
	其中不锈钢 Stainless steel Kg	/	焊接方法 Welding Process		氩弧焊GTAW,气保焊GMAW
	设备冲水重量 Full Water Kg	/	焊后热处理 PWHT		不需要 UHA-32 Not Required
射线探伤要求 RT Requirement		壳程 Shell	UW11(b)		UW-52
涂漆要求 Painting Requirement		Not Required			
Insulation		/			
U stamp		required			

其他要求 General Notes

1.Pressure rating of flanges 150psi.
2.Vessel interior parts Ra≤1.6um.
3. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.

管口表 NOZZLE SCHEDULE

符号 ITEM	公称规格 SIZE	连接法兰标准 STANDARD	密封面 JOINT TYPE	用途或名称 NAME	管子尺寸 PIPE	角度 Angle	到中心距离 Distance to center	备注 Remark
N1	4"	ASME B16.5-2003	SO RF		ø114X5			
N2	8"	ASME B16.5-2003	SO RF		ø219X6			
N3	8"	ASME B16.5-2003	SO RF		ø219X6			

No	Code Name	Description	Qty	Material	Single Weight	Total Weight	Remark
20		Nozzle ø219X6 L=416	1	TP304L/SA-312M		14	
19		Gasket ø690/ø620 t=3	1	EPDM		/	
18	ASME B18.2.4.6M-R2003	Bolt M30	40	B/SA194M	0.06	24	
17	ASME B18.2.3.5M-R2001	Bolt M30X175	20	B8/SA193M	1	20	
16	WL09130.00	Blind Flange NPS24"	1	304L/SA-240M		250	
15	ASME B16.5-2003	Flange NPS24" Class150 SO RF	1	F304L/SA-182		83	
14		Nozzle ø219X6 L=495	1	TP304L/SA-312M		16	
13	ASME B16.5-2003	Flange NPS8" Class150 SO RF	2	F304L/SA-182	12.5	25	
12		Cone shell t=6	1	304L/SA-240M		20	
11		Orbit ø42 L=50	3	304/304L	4	12	
10		Blades t=3	50	304L/SA-240M		5	
9		Ring plate	1	304L/SA-240M		26	
8		inside shell ID508X6 L=1022	1	304L/SA-240M		84	
7		Orbit ø42 L=200	3	304/304L	4	12	
6	JB/T4724-92	Support	3	304/304L	4	12	
5		NPL	1	304		1	
4		Shell ø610X8 L=2590mm	1	304L/SA-240M		330	
3		Cone shell t=8	1	304L/SA-240M		33	
2		Nozzle ø114X6 L=120	1	TP304L/SA-312M		1	
1	ASME B16.5-2003	Flange NPS4" Class150 SO RF	1	F304L/SA-182		25	

Rev	Comment	Signature	Date

Dupont Danisco Cellulosic Ethanol,LLC

江阴市锅炉容器厂
Jiangyin Boiler & Vessel Factory

设计 Design	日期 Date	图号 Number	净重 Piping Weight	比例 Scale	Cyclone
校核 Checked	日期 Date		890		
审核 Reviewed	日期 Date	共 张	第 张		Job NO:
批准 Approved	日期 Date	Total	NO.		Drawing NO:WL09014.00 REV1