

12192

1500

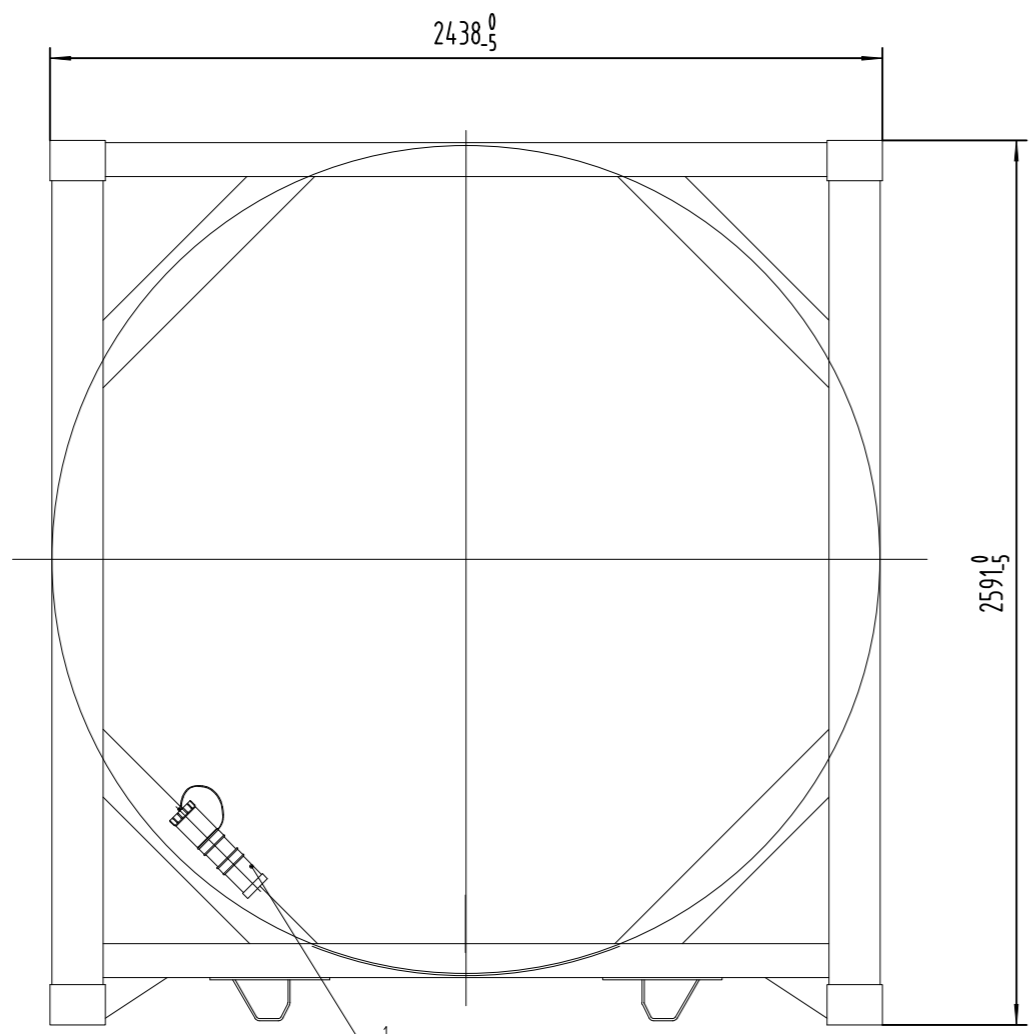
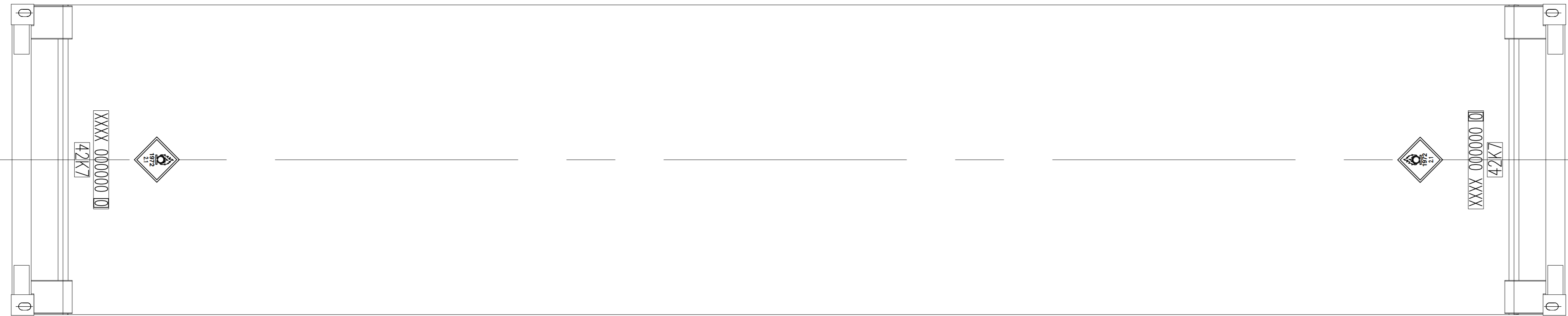
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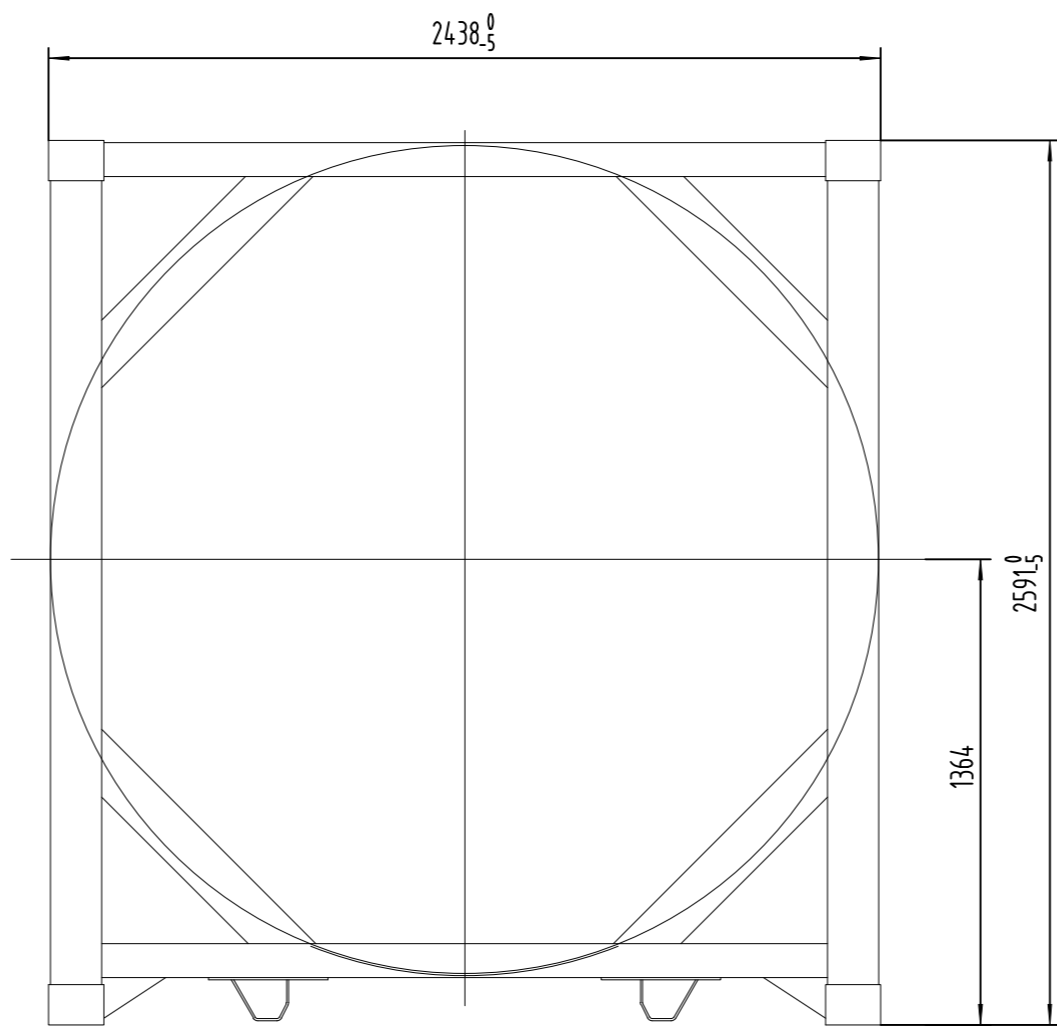
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Front 前

bankend



Front view
前端视图



Backend view
后端视图

DATA REGARDING WITH DESIGN FABRICATION INSPECTION AND ACCEPTANCE 设计、制造与检验主要数据表									
VESEL AND REGULATION 设计、制造与检验所遵循的标准、规范									
DESCRIPTION 物件名称		INNER VESSEL 内胆		OUTER VESSEL 外壳					
DESIGN STANDER 设计标准		ASME		CGA341		1. ASME VIII DIV-1-2019, APPENDIX-4.4			
MAWP 最大允许工作压力 MPa		0.84		-0.1		2. CGA341			
设计压力 MPa		0.84		-0.1		3. IMDG			
试验压力 MPa		1.09 (0.99)		/		4. ADR/RID			
LEAK TEST PRESSURE 气密性试验 MPa		1.49		/		5. US DOT (CFR49)			
LEAK TEST PRESSURE 气密性试验 MPa		0.83		LEAK TEST WITH HELIUM 氦气检漏		6. TIR			
THICKNESS OF SHELL 壳壁厚度 mm		6		4		7. CSC			
HEAD THICKNESS 封头厚度 mm		4.8 (A/F)		5.96 (A/F)		8. UIC			
CORROSION ALLOWANCE 腐蚀裕量 mm		0		0		9. TC			
MAIN MATERIAL 主要承压材料		SA240 304		Q345R					
MAIN MATERIAL OF FRAME 框架材料		Q345E/SPA-H				MEDIUM CLASS		(LNG) 液化天然气	
WORKING TEMPERATURE 工作温度 °C		-162 / +50		-40 / +50		UN 编号		UN1972	
DESIGN TEMPERATURE 设计温度 °C		50		50		MEDIUM PERFORMANCE 介质特性		FLAMMABLE AND EXPLOSIVE 易燃易爆	
MIDMIT 最大设计金属温度 °C		-196		-40		FILLING RATE 额定充满率		0.9/0.81	
GROSS CAPACITY 公称容积 m³		45.62		8.78		MEDIUM DENSITY 介质密度 kg/m³		见表	
NET CAPACITY 净容积 m³		4.106		—		TARE WEIGHT 空重 kg		11700	
焊接接头系数		TYPE A 类		1.0		0.85		PLATE LOAD 板载重量 kg	
WELD JOINT EFFICIENCY 焊接接头效率		TYPE B 类		1.0/0.9		0.85		RATED WEIGHT 额定重量 kg	
检测方法		RT		RT		RELIEF VALVE SET PRESSURE 安全阀设定压力 MPa		0.84	
A、B 类 TYPE A、B		检测比例 100%		20%		RELIEF VALVE OPEN PRESSURE 安全阀开启压力 MPa		0.756	
无缺陷 NOT		检测方法 PT		PT		RELIEF VALVE OPEN PRESSURE SET POINT 安全阀开启压力设定值 psi		180 Psi	
C、D 类 TYPE C、D		检测比例 100%		100%		INSULATION TYPE 绝热形式		VACUUM MULTI-LAYER INSULATION 真空多层绝热	
VACUUM DESIGN LIFE 设计使用寿命年		5		20		STATIC EVAPORATION RATE 蒸发速率 g/h		< 0.22% (d/LN)	
TANK DESIGN LIFE 设计使用寿命年		2		5		表面处理		不锈钢表面钝化+氧化处理	
TANK SIZE 罐体尺寸		Φ2426X12173		42K7		CLEANING PROCEDURE		STAINLESS STEEL FOR PICKLING PASSIVATION 罐体表面酸洗钝化, 达到 Sa2.5 LEVEL CARBON STEEL SURFACE SALT S2.5 LEVEL	
ISO 标准		42K7							
TRANSPORT MODE 运输方式		Intermodal, 公路、铁路及水路				CONTAINER SIZE 罐体尺寸		T2192x2438x2591 (Lx W x H)	
GUIDE FOR TANK 罐体指导		T75				STACKING WEIGHT 堆码重量 t		192000	
TYPE 罐型		40'x8'x6"							

- 1、罐箱外形尺寸和制造公差按ISO 668:2013+A2:2016 的要求制造、检验和验收、
- 2、未注焊接接头的转角高度，取焊件中被覆者的厚度。
- 3、罐箱所用的一切安全附件均应有出厂检验合格证，其中安全阀校验后应加铅封。
- 4、所有附件组装完毕后，内容器和管道系统以0.83MPa干氮气进行气密性检验；
- 5、罐箱出厂时，应对内容器和管路系统充入0.05~0.1MPa干氮气，并密封所有相应管路阀门。
- 6、罐体管道、阀门及罐体与框架间的连接电阻应小于5Ω；
- 7、罐体和框架的外表面油漆为：环氧底漆和聚氨酯面漆各两道，干膜总厚度≥140μm；
- 8、按标记面贴粘，喷涂各种标记和固定各种附件，漆料要平整、整洁和牢固；

1. The dimensions and tolerances of tank shall be manufactured and inspected according to ISO 668;
2. Unmarked height of filled weld is ruled as thickness of the thinner parts;
3. The safe attachments must have quality compliance certificate, the relief valve shall be lead seal after verification;
4. The inner tank and pipeline system shall be leak test using dry nitrogen of 0.83MPa after all attachments assembly;
5. The inner tank and pipeline system shall be filled with dry nitrogen of 0.05-0.1MPa and all valves shall be sealed before delivery;
6. The resistance between pipeline valve, tank and frame is less than 5Ω;
7. The paint for exterior of tank and frame: epoxy bottom paint and polymer paint each twice, thickness of film is at least 140um;
8. The name plate and marks shall be fixed and pasted tidily and firmly;

Nozzle list管口表					
Symbol符号	Size公称尺寸	Usage or Description名称或用途	Size管口尺寸		
a/a2	NPS 1/4 /DN10	Overflow pipeline溢流管口	1/4" Sch40/φ13.7x2.24		
b	NPS 2 /DN50	Top liquid inlet pipeline 顶部进液管口	2" Sch40 /φ63.3x3.91		
c	NPS 1-1/2 /DN40	Safety relief pipeline安全泄放管口	1 1/2" Sch40/φ48.3x3.68		
d	NPS 1/4 /DN10	Level gauge gaseous connection 液位计气接管口	1/4" Sch40/φ13.7x2.24		
e	NPS 1 /DN25	Pressure evaporator liquid inlet pipeline进料进液管口	1" Sch40/φ33.4x3.38		
f	NPS 2 /DN50	Bottom liquid inlet pipeline 底部进液管口	2" Sch40 /φ63.3x3.91		
g	NPS 1/4 /DN10	Level gauge liquid connection液位计液接管口	1/4" Sch40/φ13.7x2.24		
i	NPS 1 /DN25	Instrument lead-out pipeline仪表引出管	1" Sch40/φ33.4x3.38		
m	NPS 1/8	Vacuum test connection测真空口	1/8"		
n		Vacuum extraction抽真空口	DN50		
k		Outer jacket safety relief device外壳安全泄放口	φ152x12		
介质密度表					
Medium density 介质密度 Kg/m ³	420	430	440	450	>455
Playload 最大允许充装量 Kg	17244	17654	18065	18476	18780

Note:
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