

REVISION	DATE
R0	4 Sep. 2017
R1	5 July. 2018

20' UN PORTABLE TANK
20 英尺低温液体罐式集装箱

SPECIFICATION OF 1.8 MPa T75 UN PORTABLE TANK

1.8MPa T75 低温液体罐式集装箱规范

SPECIFICATION NUMBER: CASIS-20-1.8-SP

规范号: CASIS-20-1.8-GA

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20' T75 UN PORTABLE TANK SPECIFICATION AMENDMENT 20 英尺低温液体罐式集装箱技术规范修正单	CONTRACT: 合同:
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	REVISION: R1 版本: R1
SPECIFICATION NO. : CASIS-20-1.8-SP 规范号: CASIS-20-1.8-SP	DATE: 日期:
AMENDMENTS LISTED BELOW INCORPORATE CHANGES TO THE ORIGINAL CONTAINER SPECIFICATION 以下列出的修订纳入容器规范	

Rev. No. 版本	DESCRIPTION OF REVISION 版本描述	EFFECTIVE CONTRACT 有效合同号	APPROVED BY 批准	DATE 日期
R0	NEW DRAWING 新版本		CIMC	4 Sep. 2017 2017 年 09 月 04 日
R1	ADD JOINT 增加接头信息		CIMC	5 July. 2018 2018 年 07 月 05 日

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1.0 General

Type of product 产品形式	:	Intermodal ISO Container UN T75 UN T75 罐式集装箱
Medium 介质	:	LIN/LO ₂ /LAR/ LN ₂ O/LNG/LC ₂ H ₄ /LC ₂ H ₆
MAWP. 最大允许工作压力	:	1.8 MPa (兆帕)
Water capacity 水容积	:	20 200 Liters (升)
Tare mass (Nominal) 空箱质量	:	7 550 kg (maximum tolerance 3%) (最大偏差 3%)
Filling ratio 充满率	:	95%/85%
Maximum payload 最大允许装载质量	:	28 450 kg
M.P.G.M 满载总质量	:	36 000 kg.
Stacking 堆码质量	:	192 000 kg
Design code 设计规范	:	ISO1496-3、IMDG 、 ADR 、 RID 、 ASMEVIII.1
Approvals 批准	:	CCC, CSC
Approval and inspection org 批准检验机构	:	LR/BV

2.0 Inner vessel (内容器)

Design code 设计规范	:	ASMEVIII.1
Material 材质	:	Stainless steel 不锈钢
Design temperature 设计温度	:	50°C
MDMT 最低设计金属温度	:	-196°C
Baffles 防波板	:	Two transvers baffles 两块横向防波板
Surface treatment 表面处理	:	Pickling 酸洗

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3.0 Out jacket (外壳)

Material	:	Low alloy steel
材质		低合金钢
Design temperature	:	50°C
设计温度		
MDMT	:	-20°C
最低设计金属温度		
Surface treatment	:	Shot blast to SA 2 ^{1/2}
表面处理		打砂等级为 SA 2 ^{1/2}

4.0 Insulation (绝热)

Type of insulation	:	Vacuum with multi-layer super insulation
绝热形式		高真空多层绝热
Vacuum	:	≤0.1Pa(Warm)
真空度		(热态)
Net evaporation rate		≤0.33% /d (LN2 液氮)
静态蒸发率		(ambient conditions: 100kPa and 15°C)
	:	(环境条件: 100kPa 且 15°C)

5.0 Piping\Valve (管道\阀门)

Piping material	:	Stainless steel
管道材质		不锈钢
Valve types	:	Globe valve
阀门类型		截止阀
Hose and hose box	:	Optional
软管及软管箱		可选
PBC	:	120 NM ³
增压器		120 标方
Joint	:	Liquid/Gas phase 1.5 "FNPT
接头形式		气液相 1.5 寸 FNPT

6.0 Instrumentation (仪表)

DP gauge	:	6 inch dial (Range: 0~4000mmH ₂ O)
组合式液位计		6 英尺表盘 (量程: 0~4000mmH ₂ O)
Pressure gauge	:	4 inch dial (Range: 0~3Mpa)
压力表		4 英尺表盘 (量程: 0~3Mpa)
Vacuum gauge	:	DV-6R Thermocouple probe

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真空测量装置	:	DV-6R 真空规管
Thermometer	:	NON
温度计	:	无

7.0 FRAME (框架)

Size:	:	20' 1CC ISO container
尺寸	:	20 英尺 1CC ISO 集装箱
Dimensions	:	6,058×2,438×2,591mm(L×W×H)
外形尺寸	:	6,058×2,438×2,591mm(长×宽×高)
Material	:	Low alloy steel
材质	:	低合金钢
Upside walk path	:	No
步道	:	不包含
Ladder	:	No
梯子	:	不包含

8.0 Cabinet (阀门箱)

Material	:	Low alloy steel
材质	:	低合金钢

9.0 External corrosion protection (外部防腐保护)

Paint	:	30μ+40μ+50μ (3 layers)
油漆	:	30μ+40μ+50μ (3 层) color to suit customer. 漆面颜色由客户确定。

10.0 Documentation (文件)

Dossier	:	Two copies of tank dossier in English & Chinese
档案	:	两套中英文档案
Manuals	:	Two copies of operating manual in English & Chinese
操作手册	:	两套中英文使用说明书

11.0 Marking / Lettering (标贴)

- All markings in line with code requirements, as far as possible combined on plates;
- 所有标贴与法规要求一致，尽可能平整。
- Corporate logos and advertisement decals to be supplied by customers free of any

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charges for CIMC, including the regulatory markings; tank owner numbers and logo.

- 公司标识和广告标由客户提供，CIMC 免费提供法定标贴包括箱主标和品牌标。
- Lettering: tank lettered in accordance with client's standards and mandatory markings
- 字体：罐体上字体符合客户标准和法定标贴要求。