









Detailed drawing of Class B welded joint nodes Not in proportion



Detailed welding drawing of the tank Not in proportion



				Design d	ata sheet										
Desir	meter	5	Design, manufacturing and inspection standards												
Tank category	y- p	Class I		TSG 21-2016 (Safety Technical Supervision Regulations for Fixed Pressure											
Work pressure MPa			0.7	Vessels)											
Design pressure MPa		1.0	GB/T 150.1-150.4-2024 (Pressure Vessel) NB/T 47015-2023 (According to Pressure Vessels Welding Standard)												
Maximum allowable working pressure MPa		1	NB/T 47018-2023 (Accounting to Pressure vesses weating standard / NB/T 47018-2017(2022) (Technical Specifications for Ordering Welding Materials for Pressure Equipment)												
Working temperature °C		150	Manufacturing and Inspection Requirements												
Design temperature (maximum/minimum) *C	Design temperature (maximum/minimum) °C			Except as noted in the figure, the type and size of the welded joint shall be											
Medium		Air	in accordance with the provisions of HG/T20583-2020. The toe size of the fillet weld shall be based on the thickness of the thinner plate, and the flange welding shall be in accordance with the provisions of the corresponding flange standard.												
Medium characterist		ion-toxic and on-explosive													
Medium density Kg/	m³		1	1											
Main pressure-bearing tank materials	ıg		S30408 S30408II		Welding	between >	× and ×		Electrode/ Wire model						
Corrosion allowance mm	Corrosion allowance mm				Welding between	en S30408	stainless	steels	E308-16/ S308(ER308)						
Welding joint coefficie Ø(Vertical/circular)	1.0(Seamless pipe) 5	Welding	Welding bet carbon steel	ween stair	lesssteel	and E309-16								
Full volume m ^a filling coefficient Setting pressure of safety valve MPa		0.19		1											
			/	1											
			/		Implementation standards			2015(2023)Non-destructive -bearing equipment							
Thermal insulation material			/		Welded joint	Testing method			Qualified level Technical level						
Insulation thickness n		/	Non-destructive	A	/		/								
Seismic fortification int /Ground roughness		/	testing	В	RT	≥20% and leng	th≥250mm	III/AB level							
Site soil category /Seismic grouping			1		C.D.E	1		1							
Paint, packaging and transportation		NB	/T10558-2021	Test	Hydraulic tes	t pressure	MPa	1.3							
Equipment weight Kg	3	~366		1	Air pressure to	est pressur	e MPa	1							
Equipment water filling quantity Kg		~556	Н	eat treatment			/								
Gate and support orient	ation	According to this diagram		Des	sign operating lif	e Year			10						
			L	ist of main pressure	bearing compon	ents									
Component name	Mat	aterials Type		Standard Numbe	Supply statu			nal requirements							
Head	200	0408 Plate		GB/T713.7-2023	Solid solution		Surface processing type of plate 1D level								
Tank ,Connecting pipe		S30408 Pipe		GB/T14976-2012	Solid solution										
Flange ,Flange cover	S304	40811 Forging Parts		NB/T47010-2017	Solid solution	on									

Flange Linux event Schollet Feering Parts NBT47016-2017 Solid solution

Other technical requirements.

I Class B D wolded joints should adopt a fully generated structure, and the surface of the weld seam must not have cracks, pores, are pits or spatter. All the contraw delings of the contravelling person and the tanks body should be ground smooth and have a most transition. The ends of the commercing pipes should be ground smooth (without sharp corners).

2. Unless otherwise specified, the unit of dimensions on the downsign is man. Dimensions without marked tolerances and those not present in the standards are based on the general tolerance table.

2. Unless otherwise specified, the unit of dimensions of the directively controlled. The safety relief device is installed in the system pipeins, and the afterly accessors and instruments are to be been by the use of the directively controlled. The safety relief device is installed in the system pipeins, and the afterly accessors and instruments are to be been by the use of the terminal of the safety accessors for the containers shall be determined by the manufacturer.

4. This capitance is not the the safety of the container shall be determined by the manufacturer.

5. The dimensions of the ammeplate and the ammeplate bracket of the container shall be determined by the manufacturer.

5. The medium for the hydrauline test we clean water. The chloride into container of the water should be controlled not to secreed 25 mg/L, and the container of the structure of the water should be controlled not to secreed 25 mg/L.

7. All processed parts have no burses on the sharp eight. The file is not marked with 0.2, and the chumfer is not marked with 0.245°. The linear dimensions are not marked with tolerances in accordance with 681804-2000-M.

8. The filing large are only used to list the energy weight of the equipment.

9. This equipment is subject to replain impection in accordance with 618104-2000-M.

8. The filing large are only used to list the energy weight of the containe

maintenance conditions based on the principle that the total uniform corrison on the mean want of the given including a metal plate directly.

2. The vire junction is formed by processing a metal plate directly.

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3. The vire junction is formed the materials statistic statistic state lead capt, pressure visuel manufacturing units should retest the ferries.

3. The vire junction is formed to the processing the processin

NOZZLE SCHEDULE

ITEM	NPS DN	CLASS PN	CONNECT.STD.	TYPE	FACING	FACE FROM C.L.	DESIGNATION	REMARK	
N1	150	16	HG/T20592-2009	PL	RF	See figure	Medium inlet	/	
N2	150	16	HG/T20592-2009	PL	RF	See figure	Medium outlet	/	
N3	25	16	HG/T20592-2009	PL	RF	See figure	Sewage discharge interface	/	
N4	350	16	HG/T20592-2009	PL	RF	See figure	Electric heating interface	/	
T1	M16*1.5	/	/	/	Internal thread	See figure	Temperature measurement interface	/	

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		Nozzle parts																			
13	HG/T20592-2009	Flange PL25(B)-16 RF	1	S30408	/	1.01	N3														
12	GB/T14976-2012	Connecting pipe ø32X3 L=163	1	S30408	/	0.35															
11	NB/T47065.1-2018	Saddle B 377-S h=361.5	2	Q235B/S30408	20.17	40.34															T
10	GB/T14976-2012	Connecting pipe ø159X4 L=176	1	S30408	- /	2.72							_								
9	GB/T25198-2023	Head EHB377X5(4.5)	1	S30408	- /	6.06		1													•
8	GB/T14976-2012	Tank Ø377X5 L=1794	1	S30408	- /	82.52		Mark No.			_		\rightarrow		1						
7	25.4361-1	Nameplate	1	Assembly	1	0.6									XTGD-180						1
6	HG/T21574-2018	Hanging lug t=8	2	S30408	6.25	12.5									11102 100					1	
5	1	Internal thread interfaceM16X1.5	1	S30408	1	0.14	T1				ber Signature		\rightarrow								
4	HG/T20592-2009	Flange PL150(B)-16 RF	2	S30408	7.07	14.14	N2.N1			File numb			ıre	Date							
3	GB/T14976-2012	Connecting pipe ø159X4 L=229	1	S30408	1	3.54		Design		CHEN	C+	andard	·d		Stage Marking Quality			G 1	1		
2	HG/T20592-2009	Flange PL350(B)-16 RF	1	S30408	1	28.29	N4			CHEN	31	andard						ng	Quality	Scale	┝
1		Heating part (including flange cover, junction box, heating tube, etc.)	1	S30408/Q235B	/	173.5		Check												1:15	1
RT NO.	DWG.OR STD. NO.	DESCRIPTION	QTY	MATERIAL	SIN. WEL(TOT. Kg)	REMARK									_				1113	
STAIL DESCRIPTION									Crafts		Approve							1			
												•							•		_