

Pressure Vessel

Certificate of Product Quality and Quantity

Product name: Vertical Autoclave

Biobase Disinfection (Shandong) Co.,Ltd.

ADD: Room 303, R&D Building,OLABO Intelligent Manufacturing Industrial Park,
No. 1, Biobase Road, Ancheng Town, Pingyin County, Jinan City, Shandong.

Pressure vessel product certificate

Number: HGZ-XR23-0

Manufacturing unit	Biobase Disinfection (Shandong) Co., Ltd.		
Manufacturing unit unify social credit code	91370181MA3C1M6N5G	Manufacturing license number	TS2237F38-2022
product name	Disinfection tank	Manufacturing license level	D
Product Drawing No	DZN22-XY0003	Pressure vessel category	I
design organization	Shandong dingzhinuo design co., ltd		
design organization unify social credit code	91370782MA3REW8F4P	Design license number	TS1237518-2026
<p>This product has passed the quality inspection in the manufacturing process, and it conforms to the Safety and Technical Supervision Regulations for Fixed Pressure Vessels. (TSG 21—2016) and its design drawings, corresponding technical standards and requirements of the order contract.</p>			

Note: This certificate includes the attached pressure vessel product data sheet.

Fixed pressure vessel product data sheet

product name		Disinfection tank			Equipment variety		The first kind of pressure vessel			
Product standard		GB/T150.1~150.4-2011			design working life		eight			
main parameter	Container volume		0.1m ³	Inner diameter of container		386 mm		Container height (length)	1106mm	
	material	main body (spherical shell)	S30408		main body (spherical shell)	2.15mm		container deadweight		62kg
		end enclosure	S30408		end enclosure	2.5mm				
		door closure	S30408		door closure	2.5mm		rich dress Medium weight		/kg
		Ring ring	/		Ring ring	/mm				
	design pressure	shell side	0.28MPa		shell side	150°C		Maximum allowable working pressure	shell side	0.28MPa
		monitor	/MPa		monitor	/°C			monitor	/MPa
		jacket	/MPa		jacket	/°C			jacket	/MPa
	Shell side medium		Water, steam	Tube-side medium		——		Jacket medium		——
	structure type	Main structure type		single layer			Installation type		vertical	
Bearing type		Supporting support			Thermal insulation mode		Glass fiber thermal insulation cotton bundled thermal insulation			
test test	Nondestructive testing method		RT			Non-destructive testing ratio		20%		
	Types of withstand voltage test		hydraulic test			Withstand test pressure		0.35MPa		
	Types of leakage tests		——			Leakage test pressure		——MPa		
Types of heat treatment		——			heat treatment temperature		——°C			
Safety accessories and related devices										
name	model		specifications		quantity		Manufacturing unit			
Spring safety valve	(T)YA28X6T/10		DN10		one		User-owned			

Performance test report of quick-opening safety interlock device

product name	Disinfection tank
<p>Based on:</p> <p>Article 3.2.16 of Safety Supervision Regulations for Stationary Pressure Vessels stipulates that quick-opening pressure vessels shall have safety interlock function meeting the following requirements:</p> <ol style="list-style-type: none">1. When the quick opening door reaches the scheduled closing position, it can be boosted for operation;2. When the internal pressure of the pressure vessel is completely released, the quick door can be opened.	
<p>The test process is as follows:</p> <ol style="list-style-type: none">1. (1) Install and fix the safety interlock device according to the pattern position, rotate the seal door device clockwise to the designated position, and then rotate the handwheel to press the seal door down through the handwheel until the seal door is close to the sealing surface of the cylinder flange, and then the seal door is closed in place. (2) Turn on the power supply and start the test. The pressure in the tank starts to rise. The pressure on the edge of the tank door touches the microswitch. The pressure in the tank enters the safety interlock device through the safety interlock inflation hole, and the safety interlock pin shaft is pushed out. The pin shaft abuts against the depression of the handwheel shaft, so that the quick-opening door is locked firmly. It meets the requirements of Article 3.2.16, Article 1 of Safety Supervision Regulations for Fixed Pressure Vessels.2. After the test, turn off the power supply and open the pressure relief valve to release the pressure until the internal pressure is completely released, and then the safety interlock pin is set. Turn the handwheel to open the door only when the shaft is recovered to the natural position. Meet the requirements of Article 3.2.16, Article 2 of Safety Supervision Regulations for Fixed Pressure Vessels.	

Test conclusion:

After testing the quick-opening safety interlock device, it meets the provisions of Article 3.2.16 of Safety Technical Supervision Regulations for Fixed Pressure Vessels, and the test conclusion is: qualified.

Remarks: