

This report cancels and supersedes the Report N°. SHINIPC2500306 dated April.21.2025 issued by SGS (affiliate)

Inspection Report

(Non-negotiable)

Client: Shanghai Baobang Medical Equipment Co., Ltd
Project: n.a.
Inspector: Kimi Shen
Inspection location: Jiangxi
Date of inspection: April 17, 2025

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1. Background information

SGS order No.:	SHINIPC2500300Q
SGS affiliate:	
Coordinator:	Tang Di
Telephone:	021 6119 6567
Email:	di.tang@sgs.com
Client:	Shanghai Baobang Medical Equipment Co., Ltd
Client No.:	-
Contact Person:	Miss Xu
Telephone:	18017021615
Email:	xuyun@macy-pan.com
Primary supplier:	
Contact Person:	-
Telephone:	-
Email:	-
Manufacturer:	Shanghai Baobang Medical Equipment Co., Ltd
Manufacturer No.:	
Contact Person:	Miss Xu
Telephone:	18017021615
Email:	xuyun@macy-pan.com
Equipment/Material Inspected:	Hard Hyperbaric Chamber, model HE5000, HP2202
Technical specification:	ASME PVHO-1 2023 / ASME Section VIII Division 1, 2023

2. Summary of inspection

Inspection Items	Criteria	Results (Satisfactory /Non conforming /Pending)
Pressure Testing	ASME PVHO-1 1-7.8 ASME Section VIII-1 UG-99	Satisfactory



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3. Punch List and Non-Compliance

NA

4. Instrument

During the inspection, the following instrument calibration status has been checked for inspection:

No.	Name	ID No.	Measuring Range	Calibrated ^[1] ^[2] (Yes/No/NA)	Certificate NO. (Optional)
1	Pressure gage	22068512815	0.6Mpa	Yes	YL202503062
2					
3					

[1] Calibrated

--- "Yes" means the instrument was calibrated and now is in the period of validity.

--- "No" means the instrument should be calibrated, in fact it was never calibrated or not calibrated before the expiry date.

--- "NA" means the instrument does not need to be calibrated in the view of its function.

[2] All calibrated instruments must be provided the total pages copy of calibration certificate.

5. Equipment/Material inspected

Item/Tag No.	Product Description
206	Hard Hyperbaric Chamber, Model HE5000, working pressure 2bar(a)
207	Hard Hyperbaric Chamber, Model HP2202, working pressure 2bar(a)

6. Reference documents

Document No.	Revision	Issued Date	Title	Approval Status
-	-	Jan/21/2024	HE5000-FORT Product Specification	-

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			Technical Data Sheet	
-	-	Jun/10/2022	HP2202 Product Specification Technical Data Sheet	-

7. Inspection Narrative Summation

7.1 Inspection Scope

Witness hydrostatic testing for hard hyperbaric chambers per requirements of ASME PVHO-1 2023, 1-7.8 and ASME Section VIII, Division 1 2023, UG-99

7.2 Engineering status & vender document status

NA

7.3 Material status

NA

7.4 Manufacturing status

Fabrication of shell of chamber was completed. No accessories were connected. The ports and holes for connections are sealed for pressure testing.

7.5 Inspection activities

7.5.1 Document Review

NA

7.5.2 Visual Inspection:

- Visual inspection was made to check the integrity of shell of chamber and the surface conditions, in order for the safety of pressure testing.

7.5.3 Witness testing

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7.5.3-1 Test Preparation

Before applying pressure, the test equipment was examined to see that it was tight and that all low-pressure filling lines and other appurtenances that should not be subjected to the test pressure have been disconnected.

7.5.3-2 Pressurizing

The chambers were pressurized with water to test pressure that at every point in the vessel is at least equal to 1.3 times the maximum allowable working pressure multiplied by the lowest stress ratio for the pressure boundary materials of which the vessel is constructed.

7.5.3-3 Inspection of Testing

Following the application of the hydrostatic test pressure, an inspection was made of all joints and connections. This inspection was made at a pressure not less than the test pressure divided by 1.3. Leakage was not found at the time of the required visual inspection, except that leakage at temporary test closures for those openings intended for welded connections is allowed per the requirements of the ASME Codes.

7.5.3-4 Minimum Hydrostatic Test Temperature

For austenitic stainless steel, to minimize the risk of brittle fracture, the coldest metal temperature during the hydrostatic test should be at least 17°C warmer than the vessel MDMT and shall never be colder than the vessel MDMT.

7.5.3-5 Test Summaries

- Required test pressure [0.156 Mpa(g)] and actual test pressure [0.2 Mpa(g)]
- Test medium used [Water] and temperature [19°C];
- Cl- contents, PH Value and other requirements of test medium [Cl ≤50ppm]
- Testing gauge no & range and calibration status; [22068512815, 0.6Mpa, due at 2025/10/2]
- Test durations [10 minutes]

Remark:

- [The result of test is in accordance with the reference document.]
- According to SGS Group Legal Manual, all reports generated from a witnessing test (including Mechanical testing, Chemical Analysis, etc), must include following Disclaimers:

Standard witnessing/observing disclaimer (voluntary witnessing)

In accordance with Client's instructions, the Company's involvement has been limited to witnessing/observing a third party's intervention(s) at the third party's laboratory/test house or other facilities and installations used for the intervention(s). The Company's sole responsibility was to be present at the time of the third party's intervention(s) to forward the results, or confirm the occurrence, of the intervention(s). The Company is not responsible for the condition or calibration of apparatus, instruments and measuring devices used, the analysis methods applied the qualifications, actions or omissions of the third party's personnel or the analysis results.

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8. Inspection Release

NA

9. Attachment

NA

10. Photos

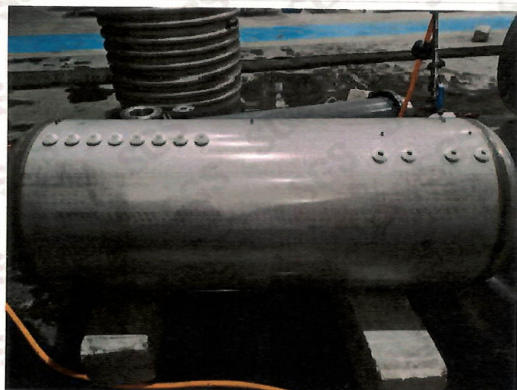


Fig.1

HP2202 chamber pressure test

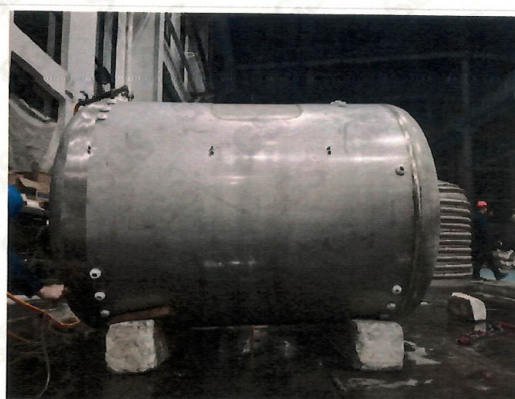


Fig.2

HE5000 chamber pressure test



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Fig.3

HP2202 chamber pressure test



Fig.4

HE5000 chamber pressure test

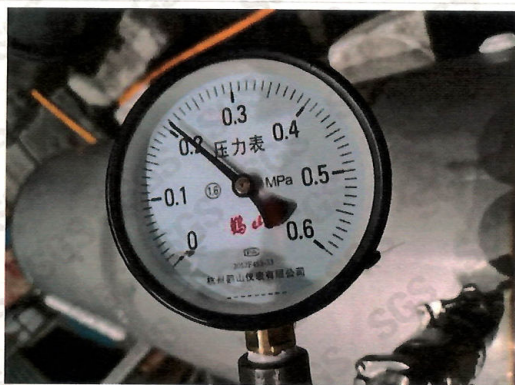


Fig.5

HP2202 test pressure

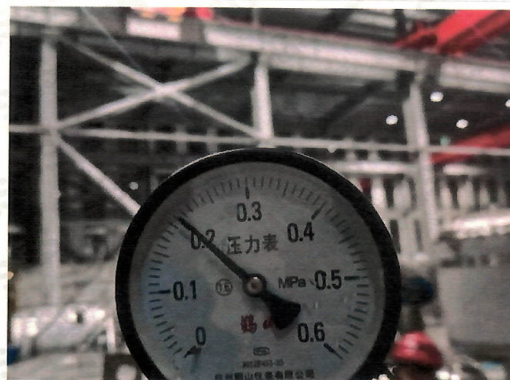


Fig.6

HE5000 test pressure

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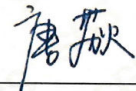
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11. Time sheet

Name/Staff ID	Date	Working Hours	Overtime Hours
Kimi Shen	April 17, 2025	8	
	Click here to enter a date.		
Total time charged		8	

Note: Both traveling time and reporting time are included.

Issued by:		Reviewed by:		Approved by:	
Title or position:	Inspector	Title or position:	Senior Section Head	Title or position:	PE&W Manager
Date:	April 21, 2025	Date:	April 23, 2025	Date:	April 23, 2025

-----End of Report-----

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