

INSPECTION REPORT

PROJECT NAME:	/	CHITAKO REFERENCE NO:	/
CLIENT:	/	CLIENT REFERENCE NO:	/
PURCHASE ORDER:	/	REPORT NO:	/
INSPECTOR NAME	Liu Jiajia	VISIT DATES:	17 th May 2022

SUPPLIER/SUB-SUPPLIER	INSPECTION SITE ADDRESS
***	***
SUPPLIER CONTACT NAME	SUPPLIER CONTACT NUMBER/ EMAIL
***	***

EQUIPMENT DESCRIPTION		
PO ITEM NO	ITEM DESCRIPTION	TAG NO (inspected)
1	Butterfly valve PN10 DN50 with lever, Drawing No. ***-48009, 4 pcs	185A_V_416 (1 pcs)
2	Butterfly valve PN10 DN80 with Pneumatic, Drawing No. ***-48012, 1 pcs	713_V_451 (1 pcs)
3	Butterfly valve PN10 DN80 with lever, Drawing No. ***-48010, 10 pcs	807_V_408 (1 pcs)
4	Butterfly valve PN10 DN80 with Pneumatic, Drawing No. ***-49367, 1 pcs	299_V_460 (1 pcs)
5	Butterfly valve PN10 DN80 with lever, Drawing No. ***-49365, 3 pcs	103_V_452 (1 pcs)
6	Butterfly valve PN10 DN100 with lever, Drawing No. ***-48010, 6 pcs	838_V_401B (1 pcs)
7	Butterfly valve PN10 DN100 with Pneumatic, Drawing No. ***-49367, 6 pcs	132E_V_453 (1 pcs)
8	Butterfly valve PN10 DN150 with Pneumatic, Drawing No. ***-48011, 1 pcs	281_V_440 (1 pcs)
9	Butterfly valve PN10 DN150 with Pneumatic, Drawing No. ***-48012, 2 pcs	807_V_044 (1 pcs)
10	Butterfly valve PN10 DN150 with lever, Drawing No. ***-48010, 8 pcs	895_V_401A (1 pcs)
11	Butterfly valve PN10 DN150 with Pneumatic, Drawing No. ***-49367, 4 pcs	185D_V_501 (1 pcs)
12	Butterfly valve PN10 DN150 with Pneumatic, Drawing No. ***-49366, 1 pcs	132_V_422 (1 pcs)
13	Butterfly valve PN10 DN200 with Gear, Drawing No. ***-48014, 1 pcs	281_V_451 (1 pcs)
14	Butterfly valve PN10 DN200 with Pneumatic, Drawing No. ***-49367, 12 pcs	132D_V_456 (1 pcs)
15	Butterfly valve PN10 DN200 with Gear, Drawing No. ***-49369, 1 pcs	132_V_421 (1 pcs)
16	Butterfly valve PN10 DN250 with Gear, Drawing No. ***-48014, 2 pcs	713_V_401A (1 pcs)
17	Butterfly valve PN10 DN250 with Pneumatic, Drawing No. ***-49367, 26 pcs	185D_V_402 (1 pcs)
18	Butterfly valve PN10 DN250 with Gear, Drawing No. ***-48018, 4 pcs	185B_V_422 (1 pcs)
19	Butterfly valve PN10 DN300 with Pneumatic, Drawing No. ***-48012, 1 pcs	807_V_402 (1 pcs)
20	Butterfly valve PN10 DN300 with Gear, Drawing No. ***-49372, 4 pcs	807_V_409 (1 pcs)
21	Butterfly valve PN10 DN300 with Gear, Drawing No. ***-48014, 3 pcs	281_V_401 (1 pcs)
22	Butterfly valve PN10 DN300 with Pneumatic, Drawing No. ***-49367, 14 pcs	132E_V_452 (1 pcs)
23	Butterfly valve PN10 DN300 with Gear, Drawing No. ***-49369, 2 pcs	311_V_404B (1 pcs)
24	Butterfly valve PN10 DN350 with Pneumatic, Drawing No. ***-48013, 1 pcs	132_V_410 (1 pcs)

25	Butterfly valve PN10 DN400 with Gear, Drawing No. ***-48015, 2 pcs	807_V_404B (1 pcs)
26	Butterfly valve PN10 DN400 with Gear, Drawing No. ***-49370, 1 pcs	807_V_401 (1 pcs)
27	Butterfly valve PN10 DN400 with Gear Drawing No. ***-49371, 7 pcs	112_V_401A (1 pcs)
28	Butterfly valve PN10 DN450 with Gear, Drawing No. ***-49371, 3 pcs	102_V_402C (1 pcs)
29	Butterfly valve PN10 DN500 with Pneumatic, Drawing No. ***-49368, 12 pcs	132F_V_405 (1 pcs)
30	Butterfly valve PN10 DN500 with Gear, Drawing No. ***-49371, 1 pcs	132_V_420 (1 pcs)

REFERENCE DOCUMENTS (PO / SPECIFICATIONS / DRAWINGS, ETC.)	REVISION
Drawing (***-48009)	04
Drawing (***-48010)	04
Drawing (***-48011)	03
Drawing (***-48012)	04
Drawing (***-48013)	04
Drawing (***-48014)	03
Drawing (***-48015)	03
Drawing (***-48018)	04
Drawing (***-49365)	01
Drawing (***-49366)	01
Drawing (***-49367)	02
Drawing (***-49368)	02
Drawing (***-49369)	01
Drawing (***-49370)	02
Drawing (***-49371)	01
Drawing (***-49372)	02
ITP (No. ITP-8005H001)	01

INSPECTION ACTIVITY		
1. SCOPE OF VISIT		
ITP 4. Checking characteristics nameplate and identification plate- one of each type ITP 5. Visual inspection and dimension control- one of each type ITP 6. Verification of the coating final- one of each type		
Result: Pending		
Attendees:		
Company	Name	Position
***	***	Manager
CHITAKO	Liu Jiajia	Inspector
2. HEALTH & SAFETY		
No further risks identified outside of the basic generic risk assessment requirements.		
Comments: N/A		
3. DETAIL OF INSPECTION		
3.1 ITP 4. Checking characteristics nameplate and identification plate- one of each type(total 30 pcs)		
Inspector review every details for the nameplate as per the drawings and technical data sheet, including Manufacturer, Construction time, Serial number, Equipment Type & model, Rated parameters, Operating		

limits of above mentioned butterfly valve with one of each type, acceptable.

Inspector check the identification plate attached to the butterfly valves, and the Tag number on it was conformable to the product list and drawings, acceptable.

3.2 Visual inspection and dimension control- one of each type (total 30 pcs)

3.2.1 Inspector visually check the butterfly valves randomly with 1 pcs from each type, 30 pcs totally, to be free of any defects such as porosity, slag inclusion, cracks, machining burrs on the machining surface, and to be cleaned and rust protected well, and the identification was clear and conformable, the result was acceptable.

3.2.2 Dimension control

Inspector measured the butterfly valves randomly with 1 pcs from each type, 30 pcs totally, as per the drawings, details as blow table:

L- Face to face dimension **H**- Height of body **D**-Diameter of circle

Item	Tag N° and description	L mm	H mm	D mm	Result
1	185A_V_416 PN10 DN50 with lever, Drawing No. ***-48009	Required:42±5 Actual:43.1	Required:196±5 Actual:196	Required:95±5 Actual:94.8	Acceptable
2	713_V_451 PN10 DN80 with Pneumatic, Drawing No. ***-48012	Required:45±5 Actual:46.1	Required:230±5 Actual:229.3	Required:126±5 Actual:127.1	Acceptable
3	807_V_408 PN10 DN80 with lever, Drawing No. ***-48010	Required:45±5 Actual:46.3	Required:230±5 Actual:230	Required:126±5 Actual:127.1	Acceptable
4	299_V_460 PN10 DN80 with Pneumatic, Drawing No. ***-49367	Required:45±5 Actual:46.2	Required:230±5 Actual:228	Required:126±5 Actual:127	Acceptable
5	103_V_452 PN10 DN80 with lever, Drawing No. ***-49365	Required:45±5 Actual:46.3	Required:230±5 Actual:230	Required:126±5 Actual:128.3	Acceptable
6	838_V_401B PN10 DN100 with lever, Drawing No. ***-48010	Required:51±5 Actual:52.5	Required:265±5 Actual:263	Required:156±5 Actual:154.5	Acceptable
7	132E_V_453 PN10 DN100 with Pneumatic, Drawing No. ***-49367	Required:51±5 Actual:52.3	Required:265±5 Actual:265	Required:156±5 Actual:154.5	Acceptable
8	281_V_440 PN10 DN150 with Pneumatic, Drawing No. ***-48011	Required:55±5 Actual:56.1	Required:318±5 Actual:318	Required:209±5 Actual:207.6	Acceptable
9	807_V_044 PN10 DN150 with Pneumatic, Drawing No. ***-48012	Required:55±5 Actual:56.4	Required:318±5 Actual:318	Required:209±5 Actual:207	Acceptable
10	895_V_401A PN10 DN150 with lever, Drawing No. ***-48010	Required:55±5 Actual:56.5	Required:318±5 Actual:318	Required:209±5 Actual:209	Acceptable
11	185D_V_501 PN10 DN150 with Pneumatic, Drawing No. ***-49367	Required:55±5 Actual:56.1	Required:318±5 Actual:320	Required:209±5 Actual:207.6	Acceptable
12	132_V_422 PN10 DN150 with Pneumatic,	Required:55±5 Actual:56	Required:318±5 Actual:318	Required:209±5 Actual:208.4	Acceptable

	Drawing No. ***-49366				
13	281_V_451 PN10 DN200 with Gear, Drawing No. ***-48014	Required:59±5 Actual:60	Required:387±5 Actual:390	Required:267±5 Actual:268.8	Acceptable
14	132D_V_456 PN10 DN200 with Pneumatic, Drawing No. ***-49367	Required:59±5 Actual:59.8	Required:387±5 Actual:391	Required:267±5 Actual:267.2	Acceptable
15	132_V_421 PN10 DN200 with Gear, Drawing No. ***-49369	Required:59±5 Actual:60.2	Required:387±5 Actual:390	Required:267±5 Actual:267.6	Acceptable
16	713_V_401A PN10 DN250 with Gear, Drawing No. ***-48014	Required:67±5 Actual:68.4	Required:454±5 Actual:455	Required:326±5 Actual:323.7	Acceptable
17	185D_V_402 PN10 DN250 with Pneumatic, Drawing No. ***-49367	Required:67±5 Actual:68.1	Required:454±5 Actual:456	Required:326±5 Actual:324	Acceptable
18	185B_V_422 PN10 DN250 with Gear, Drawing No. ***-48018	Required:67±5 Actual:68.1	Required:454±5 Actual:456	Required:326±5 Actual:324	Acceptable
19	807_V_402 PN10 DN300 with Pneumatic, Drawing No. ***-48012	Required:77±5 Actual:77.7	Required:517±5 Actual:518	Required:373±5 Actual:373.7	Acceptable
20	807_V_409 PN10 DN300 with Gear, Drawing No. ***-49372	Required:77±5 Actual:78	Required:517±5 Actual:518	Required:373±5 Actual:373.5	Acceptable
21	281_V_401 PN10 DN300 with Gear, Drawing No. ***-48014	Required:77±5 Actual:78.3	Required:517±5 Actual:520	Required:373±5 Actual:373.5	Acceptable
22	132E_V_452 PN10 DN300 with Pneumatic, Drawing No. ***-49367	Required:77±5 Actual:78.3	Required:517±5 Actual:518	Required:373±5 Actual:373	Acceptable
23	311_V_404B PN10 DN300 with Gear, Drawing No. ***-49369	Required:77±5 Actual:78	Required:517±5 Actual:516	Required:373±5 Actual:372.9	Acceptable
24	132_V_410 PN10 DN350 with Pneumatic, Drawing No. ***-48013	Required:78±5 Actual:78.9	Required:584±5 Actual:582	Required:433±5 Actual:432.5	Acceptable
25	807_V_404B PN10 DN400 with Gear, Drawing No. ***-48015	Required:102±5 Actual:102.6	Required:648±5 Actual:650	Required:488±5 Actual:486	Acceptable
26	807_V_401 PN10 DN400 with Gear, Drawing No. ***-49370	Required:102±5 Actual:102.4	Required:648±5 Actual:647	Required:488±5 Actual:487.4	Acceptable
27	112_V_401A PN10 DN400 with Gear Drawing No. ***-49371	Required:102±5 Actual:102.2	Required:648±5 Actual:649	Required:488±5 Actual:490.5	Acceptable
28	102_V_402C PN10 DN450 with Gear, Drawing No. ***-49371	Required:114±5 Actual:115	Required:711±5 Actual:711	Required:536±5 Actual:534.5	Acceptable
29	132F_V_405 PN10 DN500 with Pneumatic, Drawing No. ***-49368	Required:127±5 Actual:127	Required:794±5 Actual:795	Required:591±5 Actual:588	Acceptable
30	132_V_420 PN10 DN500 with Gear, Drawing No. ***-49371	Required:127±5 Actual:127.6	Required:794±5 Actual:795	Required:591±5 Actual:587	Acceptable

3.3 Verification of the coating final- one of each type(total 30 pcs)

Inspector check the painting visually and measured the thickness of the painting film for the butterfly valves randomly with one of each type(total 30 pcs) as per the drawings, detail as below table:

Item	Tag N° and description	Thickness of painting µm	Visual inspection	Result
1.	185A_V_416 PN10 DN50 with lever, Drawing No. ***-48009	Required:325~650 Actual:475~536	Ok	Acceptable
2.	713_V_451 PN10 DN80 with Pneumatic, Drawing No. ***-48012	Required:325~650 Actual:428~579	Ok	Acceptable
3.	807_V_408 PN10 DN80 with lever, Drawing No. ***-48010	Required:325~650 Actual:440~618	Ok	Acceptable
4.	299_V_460 PN10 DN80 with Pneumatic, Drawing No. ***-49367	Required:325~650 Actual:595~609	Ok	Acceptable
5.	103_V_452 PN10 DN80 with lever, Drawing No. ***-49365	Required:325~650 Actual:424~586	Ok	Acceptable
6.	838_V_401B PN10 DN100 with lever, Drawing No. ***-48010	Required:325~650 Actual:536~649	Ok	Acceptable
7.	132E_V_453 PN10 DN100 with Pneumatic, Drawing No. ***-49367	Required:325~650 Actual:411~603	Ok	Acceptable
8.	281_V_440 PN10 DN150 with Pneumatic, Drawing No. ***-48011	Required:325~650 Actual:406~610	Ok	Acceptable
9.	807_V_044 PN10 DN150 with Pneumatic, Drawing No. ***-48012	Required:325~650 Actual:424~645	Ok	Acceptable
10.	895_V_401A PN10 DN150 with lever, Drawing No. ***-48010	Required:325~650 Actual:547~602	Ok	Acceptable
11.	185D_V_501 PN10 DN150 with Pneumatic, Drawing No. ***-49367	Required:325~650 Actual:405~642	Ok	Acceptable
12.	132_V_422 PN10 DN150 with Pneumatic, Drawing No. ***-49366	Required:325~650 Actual:512~642	Ok	Acceptable
13.	281_V_451 PN10 DN200 with Gear, Drawing No. ***-48014	Required:325~650 Actual:463~642	Broken paint	Unacceptable
14.	132D_V_456 PN10 DN200 with Pneumatic, Drawing No. ***-49367	Required:325~650 Actual:351~560	Ok	Acceptable
15.	132_V_421 PN10 DN200 with Gear, Drawing No. ***-49369	Required:325~650 Actual:397~501	Ok	Acceptable
16.	713_V_401A PN10 DN250 with Gear, Drawing No. ***-48014	Required:325~650 Actual:388~555	Ok	Acceptable

17.	185D_V_402 PN10 DN250 with Pneumatic, Drawing No. ***-49367	Required:325~650 Actual:370~573	Ok	Acceptable
18.	185B_V_422 PN10 DN250 with Gear, Drawing No. ***-48018	Required:325~650 Actual:327~486	Broken paint	Unacceptable
19.	807_V_402 PN10 DN300 with Pneumatic, Drawing No. ***-48012	Required:325~650 Actual:272~622	Ok	Unacceptable
20.	807_V_409 PN10 DN300 with Gear, Drawing No. ***-49372	Required:325~650 Actual:354~601	Broken paint	Unacceptable
21.	281_V_401 PN10 DN300 with Gear, Drawing No. ***-48014	Required:325~650 Actual:337~595	Ok	Acceptable
22.	132E_V_452 PN10 DN300 with Pneumatic, Drawing No. ***-49367	Required:325~650 Actual:326~393	Ok	Acceptable
23.	311_V_404B PN10 DN300 with Gear, Drawing No. ***-49369	Required:325~650 Actual:264~497	Ok	Unacceptable
24.	132_V_410 PN10 DN350 with Pneumatic, Drawing No. ***-48013	Required:325~650 Actual:329~606	Ok	Acceptable
25.	807_V_404B PN10 DN400 with Gear, Drawing No. ***-48015	Required:325~650 Actual:375~542	Ok	Acceptable
26.	807_V_401 PN10 DN400 with Gear, Drawing No. ***-49370	Required:325~650 Actual:417~493	Ok	Acceptable
27.	112_V_401A PN10 DN400 with Gear Drawing No. ***-49371	Required:325~650 Actual:411~539	Ok	Acceptable
28.	102_V_402C PN10 DN450 with Gear, Drawing No. ***-49371	Required:325~650 Actual:373~525	Broken paint	Unacceptable
29.	132F_V_405 PN10 DN500 with Pneumatic, Drawing No. ***-49368	Required:325~650 Actual:421~650	Ok	Acceptable
30.	132_V_420 PN10 DN500 with Gear, Drawing No. ***-49371	Required:325~650 Actual:450~617	Broken paint	Unacceptable

4. DETAIL OF MEASURING EQUIPMENT AND CALIBRATION

SR.NO	INSTRUMENT NAME	INSTRUMENT SR.NO.	Calibration Validity	Remark
1	Caliper	***	2022.10.11	Calibrated by manufacturer with qualification
2	Caliper	***	2023.4.17	Calibrated by manufacturer with qualification
3	Coating thickness ***uge	TL22533	2022.9.23	

5. AREAS OF CONCERNS

1. Painting film thickness measurement for the butterfly valves, Tag No. 807_V_402, 311_V_404B, part to be less than the requirement of drawings, need to be repaired.
2. The painting of butterfly valves Tag No. 281_V_451, 185B_V_422, 807_V_409, 102_V_402C, 132_V_420 was check visually to be broken partially, and need to be repaired.

6. NON CONFORMANCE REPORT (NCR) ISSUED

YES

NO

IF YES, NCR No.(s):

N/A

7. STATUS OF MANUFACTURERS DATA REPORT (MDR)

Date report provided as following:

Att01-Calibration certificate for instruments

Att02- Function report

Att03-Hydrostatic test and locking test report

Att04-Painting report

8. PO DELIVERY STATUS

ESTIMATED DATE OF RELEASE

YES NO

IF YES, INSERT AS ATTACHMENT

INSPECTION RELEASE ISSUED

YES NO

PARTIAL PO ITEMS RELEASED

YES NO

COMPLETE PO RELEASED

YES NO

9. PHOTOS REQUIRED – INSERT PHOTO & ITS DESCRIPTION BELOW



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Visual inspection for butterfly valves



Nameplate inspection



Nameplate inspection



Dimension check



Dimension check



Dimension check



Dimension check



Dimension check



Dimension check



Dimension check



Dimension check



Dimension check



Dimension check



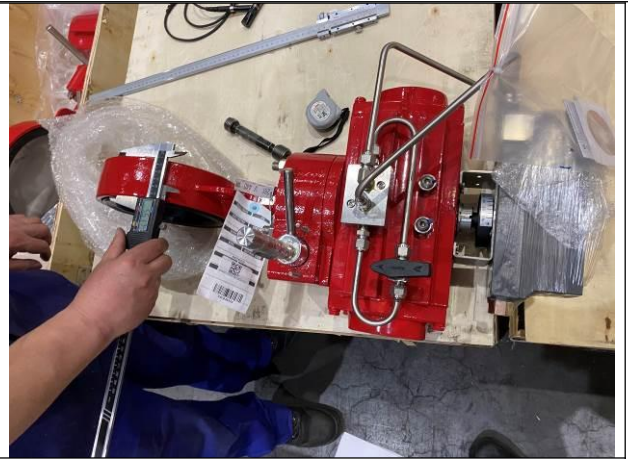
Dimension check



Dimension check



Dimension check



Dimension check



Painting film thickness measurement



Painting film thickness measurement



Painting film thickness measurement



Painting film thickness measurement



Painting film thickness measurement



Painting film thickness measurement



Painting film thickness measurement



Painting film thickness measurement



Painting film thickness measurement



Painting defect



Painting defect



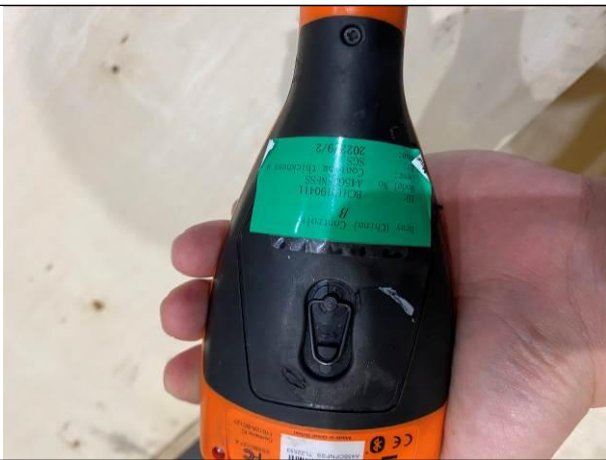
Painting defect



Painting defect



Painting defect



Check the qualified label on instrument



Check the qualified label on instrument

10. TIME AND EXPENSE

Visit Date	Inspection & Reporting Hours	Travel Hours	Total Hours	Roundtrip Distance (km or mile, please specify)	Expense Details
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17 th May 2022	8	1.5	9.5	80km	/
TOTAL	8	1.5	9.5	/	/

Inspector Name/Signature/ Stamp	Coordinator/Reviewer of Report
Liu Jijia	