

Report No.:	TR/ MUM / 940/ MPPL / IR /01	Date : 18.09.2020
Inspector:	Mr. Kishor Halbe	Page : 1 of 8

Project name: NA	Executing Country: India
Client: Micro Pneumatics Pvt. Ltd	PO No.: For Test Certificate Purpose
Contact: Mr. Saroj Kumar Jena	Ref / Order No.: S02021/00940 dtd 12/09/2020
	TÜV order number: --
Vendor/Manufacturer: Micro Pneumatics Pvt. Ltd	Vendor's Ref: Mail Dt: 15.09.2020
Contact: Mr. Saroj Kumar Jena	Place of Inspection: Plot 133 – 134 Vasai Municipal Industrial Area, Umela Phata, Papdy, Vasai (W), Dist: Palghar, Maharashtra
Attendees: Mr. Saroj Kumar Jena	Date of Inspection: 15 th September 2020

Equipment/goods inspected: Manual operated Ball valves 2" 2PC 150# FE

Inspection according to:	
ITP / QCP No.: Nil	Specification: ISO 12266-1
Codes / standards: Nil	Drawing No.: MP-GA-6260 Sheet 1/1 Rev.0

Scope of work:

- | | | |
|---|--|--|
| <input type="checkbox"/> Quantity inspection | <input type="checkbox"/> Functional test witness | <input type="checkbox"/> Packing/ Marking inspection |
| <input checked="" type="checkbox"/> Visual inspection | <input checked="" type="checkbox"/> Performance test witness | <input checked="" type="checkbox"/> Document review |
| <input type="checkbox"/> Dimension inspection | <input type="checkbox"/> Coating/ painting inspection | <input checked="" type="checkbox"/> Others (see remarks) |

Remarks: Witness Seat test of Manual operated Ball valves 2" 2PC 150# FE(MOC : Body Adaptor-ASTMA351GrCF8, CF8 Hard chrome ball , Seat –RBC 006)at 290°C temperature as per Micro Pneumatic drawing requirement.

☒ full inspection ☐ partial inspection ☐ random inspection - %

Inspection result:

☒ Satisfactory ☐ Partial non-conforming ☐ Rejected ☐ Aborted


Documentation:

☒ Complete and in order ☐ not complete (please see report details)

Deviations found:

☒ None ☐ to contract ☐ to drawings ☐ to ITP / QCP / PO

(Please see separate nonconformance report)

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Conclusion:

Witnessed Seat test(Hydraulic) of Manual operated Ball valves 2" 2PC 150# FE with Seat –RBC 006 at 290° C temperature & holding time 30minutes as per Micro Pneumatic drawing requirement -found satisfactory .

Witnessed Seat test(Pneumatic) of Manual operated Ball valves 2" 2PC 150# FE with Seat –RBC 006 at 290° C temperature & holding time 5minutes as per Micro Pneumatic drawing requirement - found satisfactory.

INSPECTION DETAILS

Material / Products / Components inspected:

Item/Tag No.	Brief Description	Total Ordered Quantity	Presented Quantity this Visit	Accepted Quantity this Visit
200903455/9/20	Manual operated Ball valves 2" 2PC 150# FE	1No.	1No.	1No.

Detailed Scope of Inspection:


- Perform Visual inspection.
- Verify Valve Serial Number.
- Review Material Test Report (Body , adopter, Seat)
- Witness Body Hydraulic test at ambient temperature.
- Verify complete Ball Valve wrapped with heating coil & two nos. of thermocouples attached.
- Witness Hydraulic Seat test at 290°C temperature.
- Witness Pneumatic Seat test at 290°C temperature.
- Review calibration reports of Pressure Gauges, Thermocouple & Recorder.

Standards and Documentation:

SR No	DOCUMENT TITLE	DOC. No.	DOC. REV.	App. Status/code	Approved By
1	GA DWG FOR 2" 2PC 150# FBTYPE HAND OPERATED BALL VALVE	MP-GA-6260 Sheet1/1 dated 14/09/2020	0	Approved	Micro Pneumatics

Witnessed Tests:

- Witnessed Body Hydraulic test at ambient temperature & at test pressure of 30 Kg/Cm² duration 10 minutes as per MICRO drawing.
- Witnessed Hydraulic Seat test at 20 Kg/Cm² pressure & 290°C temperature, duration 30 minute as per MICRO drawing.
- Witnessed Pneumatic Seat test at 7 Kg/Cm² pressure & 290° C temperature, duration 5 minutes as per MICRO drawing.

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Used Test Equipment:

Equipment name	Type /Model	Identification No./ Calibration No.	Valid range /Accuracy	Calibration valid to
Hydro Pressure gauge	FGB	D 36489	0~42Kg/Cm ² / +2% FS	2020-09-20
Pneumatic Pressure gauge	FGB	D18865	0~21Kg/Cm ² / +2% FS	2020-09-16
Recorder	6000-6	2k 12l 5749	0-1200°C / +1% FS	2020-12-14
Thermocouple	K(Cr/Al)	TC-3154	-	2021-02-11

INSPECTION ACTIVITIES

Activity/ITP/ QCP No.	Description of Activity with Inputs and Outputs	Results
-	Visual inspection of Valve in assembled condition	Satisfactory
-	Valve Serial no 200903455/ 9/20 on name plate	Satisfactory
-	Reviewed Material Test Report (Body, adppter, Seat) Body- H 2211 Cert No.1014Dtd. 8/2/20 Adaptor-I37 Cert No. 55 Dtd. 28/5/20 Seat- B19#0040 Dtd. TC/1341/2020	Acceptable
-	Witnessed Body Hydraulic test at ambient temp	No Leakage observed, Satisfactory
-	Verified complete Ball Valve wrapped with heating coil & 2 nos. of thermocouples attached	Satisfactory
-	Witnessed Hydraulic Seat test at 20 Kg/Cm ² pressure & temperature 290°C duration 30 minute as per MICRO drawing	No Leakage observed, Satisfactory
-	Witnessed Pneumatic Seat test at 7 Kg/Cm ² pressure & temperature 290° C duration 5 minutes as per MICRO drawing	No Leakage observed, Satisfactory
-	Reviewed calibration reports of Pressure Gauges, Thermocouple & Recorder	Acceptable

Detail-s:


- Witnessed Body Hydraulic test at ambient temperature & at test pressure of 30 Kg/Cm² duration 10 minutes as per MICRO drawing. – Found Satisfactory
- Witnessed Hydraulic Seat test at 20 Kg/Cm² pressure & 290°C temperature, duration 30 minute as per MICRO drawing. – Found Satisfactory
- Witnessed Pneumatic Seat test at 7 Kg/Cm² pressure & 290° C temperature, duration 5 minutes as per MICRO drawing – Found Satisfactory

Documentation Control:


Document name	Version	Approved by client
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-			YES/NO
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Report No.		Description	Date Raised	Status
Nil				

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| Issued by: | Reviewed by: | |
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PICTURES:

<p>picture</p>  <p>1.</p>	<p>description:</p> <p>Valve Serial no.</p>
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