METAL INDUSTRIES RESEARCH AND DEVELOPMENT CENTER REGIONAL R&D SERVICE DEPARTMENT(TAIPEI)

中華民國台北市信義路 3 段 162 號 8 樓 TEL:02-27013181 8F,162-24,SEC.3,HSIN-YI RD.,TAIPEI,TAIWAN,R.O.C 檢測實驗室接受委託試驗報告表 TESTING REPORT

委	託	者	:	Vee-Lok	Co.,	Ltd	
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Applicant

取 様 者: Vee-Lok Co., Ltd

Sampler

工 程 名 稱: Witness of Vee-Lok Instrument 檢 測 編 號:

Valves Hydrostatic Test

Application No.

Source of Sample 來 樣 日 期:

2012/07/27

簽發日期:

2012/08/09

10107044-2

Sample Received date

Date Issued

號: N/A 文 文

Incoming Dispatch No.

試驗結果

Result:

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- 1. Testing Item: Vee-Lok Instrument Valves Hydrostatic Test
- 2. Test Products:

Table-1

No.	Descriptions	Material	Part No. of Samples Tested
1	Needle Valve, 1/4"NPT-Male x Female	316 S.S.	BNVS4MF
2	Needle Valve, 1/2"NPT-Male x Female	316 S.S.	HBNVS8MF
3	Needle Valve, 1/2"NPT-Male x Female	316 S.S.	HBNVS8MF10
4	Block & Bleed Valve, Inlet: 1/2"NPT-Male, Outlet: 1/2"NPT-Female, Vent: 1/4"NPT	316 S.S.	2VM01S8MF
5	Ball Valve, 1/2"NPT-Female x Female	316 S.S.	HPBV01S8FF
6	Check Valve, 1/2"NPT-Female x Female	316 S.S.	CV01S8FF

- 3. Test Date and Place : 2012/07/27; 3F. No.3, Lane 551, Sec.1, Wanshou Rd., Gueishan Township, Taoyuan County 333, Taiwan
- 4. Test Condition:

Table-2

No.	Part No. of Samples Tested	Working Pressure (psi)	Test Pressure (psi)
1	BNVS4MF	6,000	9,000
2	HBNVS8MF	6,000	9,000
3	HBNVS8MF10	10,000	15,000
4	2VM01S8MF	6,000	9,000
5	HPBV01S8FF	6,000	9,000
6	CV01S8FF	6,000	9,000

Note: 1 Test Pressure is 1.5 Times Working Pressure.

2 After Hydrostatic test with water, only No.5(Part No. HPBV01S8FF) is tested with Nitrogen at 80 psi.

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(2) 樣品保存期限自發證日起30天。

The Sample sent has been preserved for thirty days since the date issued.

技檢組組長 <

Laboratory Chief

報告簽署人

Report Authorized Per

Inspector

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5. Pressure Gauge: Comparison by the Standard Pressure Gauge before testing.

Table-3

Pressure Value (psi)	Standard Pressure Gauge (psi)	Pressure Gauge #1 (psi)
5,000	5,000	4,500
10,000	10,000	9,500
15,000	15,000	14,000

Note: ①Between 5,000 to 10,000 psi, the Pressure Gauge's(#1) Value was read 500 psi less than *Standard Pressure Gauge*; At 15,000 psi, it was read 1,000 psi less than *Standard Pressure Gauge*.

- ②All Hydrostatic tests' value shown by "Gauge #1".
- 3 The Nitrogen's Pressure Gauge without Comparison by Standard Pressure Gauge.

6. Test Method:

6.1 Test Fluid: Water and Nitrogen

6.2 Test Pressure: Follow the Table-2 (Test Pressure)

6.3 Holding Time: 5 min

7. Test Result

Vee-Lok Instrument Valves Hydrostatic Test with Water

No.	Part No. of Samples Tested	Test Pressure (psi)	Result
1	BNVS4MF	9,000	No Leakage
2	HBNVS8MF	9,000	No Leakage
3	HBNVS8MF10	15,000	No Leakage
4	2VM01S8MF	9,000	No Leakage
5	HPBV01S8FF	9,000	No Leakage
6	CV01S8FF	9,000	No Leakage

Ball Valves Pressure Test with Nitrogen

No.	Part No. of Samples Tested	Test Pressure (psi)	Result
5	HPBV01S8FF	80	No Leakage

Note: No.5 passes high pressure test at 9,000 psi and low pressure emission test at 80 psi.

8. Test Figure

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Fig-01 "Standard Pressure Gauge"



Fig-02 Calibration Tag (Standard Gauge)



Fig-03 Gauge Comparison (15,000 psi)



Fig-04 Gauge #1 Comparison (14,000 psi)



Fig-05 No.1 Hydrostatic Test (9,000 psi) Vee-Lok Instrument Valve BNVS4MF



Fig-06 No.1 at Pressure Gauge #1 (8,500 psi)

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Fig-07 No.2 Hydrostatic Test (9,000 psi) Vee-Lok Instrument Valve HBNVS8MF

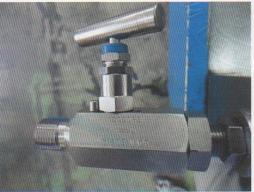


Fig-08 No.3 Hydrostatic Test (15,000 psi) Vee-Lok Instrument Valve HBNVS8MF10



Fig-09 No.3 no leakage



Fig-10 No.3 at Pressure Gauge #1 (14,000 psi)



Fig-11 No.4 Hydrostatic Test (9,000 psi) BLOCK & BLEED VALVE



Fig-12 No.4 no leakage

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Fig-13 No.4 at Pressure Gauge #1 (8,500 psi)



Fig-14 No.5 Hydrostatic Test (9,000 psi) Vee-Lok Ball Valve



Fig-15 No.5 Nitrogen Pressure Test



Fig-16 Nitrogen Pressure Test (80 psi)



Fig-17 No.6 Hydrostatic Test (9,000 psi) Vee-Lok Check Valve



Fig-18 No.6 no leakage

- 9. Standard Pressure Gauge's Calibration Report at Annex-1.
- 10. This Report total has 7 pages.

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Applicant			VEE-LOK CO., LTD.		
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Aanufacturer	WIKA	Model	EN837	Serial No	104301677
rocedure used	GENP-EC-P001~P003	Received Date	2012/5/23	Calibration Date	2012/5/29
perator	Polo Chen	Temperature(°C)	23.0 °C±2.0 °C	Relative Humidity(%)	50.0 %±10.0 %
ddCustomer	3F., No. 3, Lane 551, Sec. 1, Was	isbou Rd., Queishan Township, Tan	yuan County 333. Taiwan (R.O.C.)	Location	Laboratory
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Equipmo	ent 1	Manufacturer	Model	Calibration Date	
Pressure Cal		FLUKE FLUKE	717 30G	2012/4/3	
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Calibration Results

RptNo: ECAC1100212

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Pressure Item:

Measured Value (psi)	Actual Value (psi)	Deviation (psi)
5000	5100	-100
6000	6117	-117
7000	7148	-148
8000	8131	-131
9000	9126	-126

Calibration Explanation:

- 1.Deviation = Measured Actual
- 2.Deviation % = [(Measured Actual) + Actual] *100
- 3. Measured: The value recorded under testing from item-tested.
- 4. Actual: The value indicated by traceable standard.
- 5. The uncertainty claimed is for a confidence probability about 95%, This is calculated using a coverage factor approximately k=2 at 95% level of confidence.
- 6.Expanded uncertainty: 500 psi
- 7.The expanded uncertainty included measurement system variances and item-tested variance.
 - THE END --

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