



- Interim
 Final

INSPECTION REPORT Nr 6041408-IR-01

BV Job nr: 3.60.006

PROJECT: N/A	Ref :
BV Client: KPL VALVE IND. CO., LTD.	P/o nr: N/A <i>(client to BV)</i>
Manufacturer: KPL VALVE IND. CO., LTD.	P/o nr: N/A <i>(client to Manufacturer)</i>
Inspection requested by: KPL VALVE IND. CO., LTD.	

SUPPLY / SUBJECT OF INSPECTION	ITEM / TAG Nr	QTY
Fire test for ball valve	N/A	1 EA

DOCUMENTS OF REFERENCE : See continuation sheet for additional documents: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Title	Reference n°	Rev.	Approved by	Date
API	API standard 607 6th	2010.		-
ASME	ASME B 16.34			
Drawing	ABRF-6005-TR	0		
	- Blank -			

<p>INSPECTIONS :</p> <p><u>Inspection place & Date or Period:</u> Dong-A University , Technical Center for High-Performance Valves, Busan, Korea on March 10 & 20, 2015 / 2 days</p> <p><u>Stage of inspection :</u></p> <p> <input type="checkbox"/> Before manufacturing <input type="checkbox"/> During manufacturing <input checked="" type="checkbox"/> Final <input type="checkbox"/> Packing </p> <p><u>Type of inspection:</u></p> <p> <input type="checkbox"/> Pre-inspection meeting <input type="checkbox"/> Document and QC record review <input type="checkbox"/> Visual examination, checks <input checked="" type="checkbox"/> Witnessing tests <input type="checkbox"/> Manufacturing progress status <input type="checkbox"/> Vendor assessment <input checked="" type="checkbox"/> Final inspection <input type="checkbox"/> Packing <i>(for details see continuation sheet)</i> </p> <p><u>Stamping:</u></p> <p> <input checked="" type="checkbox"/> No <input type="checkbox"/> <input type="checkbox"/> </p>	<p><u>Results of inspection :</u> <input checked="" type="checkbox"/> Satisfactory <input type="checkbox"/> Unsatisfactory</p> <p><u>Non Conformities Reports (NCR): None</u> <input type="checkbox"/> NCR's issued during reported period : None <input type="checkbox"/> List of outstanding NCR's : No</p> <p><u>Main Conclusions & Remarks:</u> (for details see continuation sheet)</p> <p>The following inspection has been carried out in accordance with the above applicable standards & drawing and the results were found to be satisfactory.</p> <ul style="list-style-type: none"> Review of drawing Witness of fire test Review of fire test report <p style="text-align: center;">- Blank -</p> <p><u>Next visit scheduled :</u> N/A</p>
--	--



Interim
 Final

INSPECTION REPORT Nr 6041408-IR-01

(continued)

BV Job nr : 3.60.006

1. Inspection performed

1.1. Introduction :

This inspection has been carried out as following scope of inspection under witness of the following attendees at Dong-A University , Technical Center for High-Performance Valves, Busan, Korea on March 10 & 20, 2015.

✓ **Attendees :**

Name	Company	Position	Division
Mr. Se-won Park	BV Korea	Surveyor	I & F
Mr. Hae-kwon Jeong	KPL Valve Ind.	Deputy general manager	QC Dept
Mr. Jun-yeung Kwon	Dong-A University	Researcher	Technical Center for High-Performance Valves
Mr. Dong-cheol Shin	Dong-A University	Researcher	

✓ **Scope of inspection :**

- Witness of fire test

1.2. Applicable documents & status of approval :

Refer to the documents of reference mentioned on this report.

1.3. Manufacturing progress status :

This purchase order has been completed at this inspection.

1.4. Detail of inspection activities carried out with respect to scope of inspection :

✓ **Detail of inspected item**

Item	Description	QTY
Ball valve	RF Flange End Full Port, Trunnion Type, Class 600-8" Body (ASTM A105), Ball (ASTM A351-CF8), Stem (ASTM A276-316), Seat (RTFE) API Q1. 6D : License No. 6D-0694	1 EA

✓ **Witness of Fire test :**

The fire test has been carried out in accordance with the applicable standard & drawing mentioned on this report and the results were found to be satisfactory.

➤ **Leakage properties :**

Through-seat leakage, ml/min		External leakage, ml/min			
During the burn period		During burn and cool-down period		After operation test	
Permissible	Actual	Permissible	Actual	Permissible	Actual
3,200	0	800	27.41	200	0

➤ **Qualified by NPS range**

Size of Valve to be tested NPS	Valve sizes qualified NPS
8	8 and larger

➤ **Qualified by class range**

Valve test class rating	Valve qualified Class rating
600	600, 800, 900

- To be continued -



Interim
 Final

INSPECTION REPORT Nr 6041408-IR-01

(continued)

BV Job nr : 3.60.006

✓ **Review of the applicable documents**

- Test reports (7 sheets)
- Drawing (1 sheet)

The above documents were reviewed in accordance with the applicable standard and drawing mentioned on this report and the results of inspection were found to be satisfactory.

1.5. Result of inspection :

The results of this inspection were found to be satisfactory in accordance with the applicable code, standard & drawing mentioned on this report.

We confirmed calibration of equipments that were used for inspection.

1.6. Problem pending / Areas of concern :

None

- Reference photo -



- END OF REPORT -

ANNEXES Yes (Total number of pages:) No

Inspected by:

Name: Se-won Park

Signature:



Date of issue : March 20, 2015

Inspection centre: BV Korea

Distribution: CLIENT MANUFACTURER