

INSPECTION RELEASE

CLIENT: M/s. Aira Euro automation Pvt. Ltd.	PO NO. : In house Fire Safe Test	PROJECT/CHARGE NO.: --
SUPPLIER: <input checked="" type="checkbox"/> PRIMARY SUPPLIER <input type="checkbox"/> SUB-SUPPLIER NAME: M/s. Aira Euro automation Pvt. Ltd. LOCATION: Ahmedabad CONTACT: Mr. Taha Matcheswala	SHIPPING LOCATION: --- SHOP ORDER NO.: ---	
<input type="checkbox"/> PARTIAL RELEASE <input type="checkbox"/> LAST PARTIAL RELEASE DATE <input type="checkbox"/> COMPLETE SHIPMENT RELEASE INSPECTION OF RELEASED ITEMS IS DOCUMENTED ON SURVEILLANCE REPORT NO.: NA <input type="checkbox"/> THIS RELEASES MATERIAL REJECTED ON NCR NO.: NA DATED: NA		

PURCHASE ORDER ITEMS RELEASED

ITEM NO.	TAG NO. / PART NO. & DESCRIPTION	QTY RELEASED	CUM. QTY RELEASED	QTY ON ORDER
1	Fire safe design test as per API 607 Sixth Edition september 2010 of 2 pc FB Floating Ball as per Mfg Std BS EN 17292. Size: 8" NPS, 300# , 2 pc FB Floating Ball Valve, Gear Operated, Body- WCB, Ball- CF8. Drg. No.: VGO-GA-300-15-200-00B-R0 Valve Sr. No.: C-16041401 Rang Qualified : Size : 8" and above (As per specification) Class: 300#, 400#, 600#	1	1	1

INSPECTOR NOTES / REMARKS

The above material is Inspected for confirming to fire safe test as per Standards API 607 sixth edition September 2010 and relevant standard. Test are accepted and released for further production. Test Report attached.

THIS INSPECTION RELEASE PROVIDES DOCUMENTARY EVIDENCE THAT THE PURCHASE ORDER REQUIREMENTS RELEVANT TO PRODUCT QUALITY AND DATA / DOCUMENTATION HAVE BEEN SATISFACTORILY COMPLETED AND VERIFIED. IN NO WAY DOES THIS RELEASE RELIEVE THE SUPPLIER OF ANY OF ITS OBLIGATIONS UNDER THE REFERENCED PURCHASE ORDER.
IN ADDITION TO THIS INSPECTION RELEASE, THE SUPPLIER MUST OBTAIN AUTHORIZATION TO SHIP FROM THE DESIGNATED CLIENTS PROJECT / TRAFFIC DEPARTMENT PRIOR TO INITIATING SHIPMENT.

INTERTEK INSPECTOR: Bharat Akhaja	SIGNATURE: 	DATE: 27/04/2014
SUPPLIER: M/s. Aira Euro automation Pvt. Ltd.	SIGNATURE: 	DATE: 27/04/2014

Industrial Services

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**SURVEILLANCE INSPECTION REPORT**

REPORT NO. SIR/BA/140101

ASSIGNMENT No:

PAGE 1 OF 2

GENERAL

INTERTEK COORDINATOR: Mrs. Sapna Kapoor	INTERTEK INSPECTOR: Mr. Bharat Akhaja
TYPE OF VISIT: <input type="checkbox"/> INITIAL INSP. <input type="checkbox"/> IN-PROCESS INSP. <input checked="" type="checkbox"/> FINAL INSP. <input type="checkbox"/> ORDER STATUS	

CLIENT/PROJECT INFORMATION

CLIENT: M/s Aira Euro automation Pvt. Ltd.	PROJECT REF.: Fire Safe Design Test of ball valve.
CONTACT: Mr. Taha Matcheswala	CHARGE NO.: _____

EQUIPMENT/MATERIAL DESCRIPTION

PURCHASE ORDER NO.: In house fire safe Test	TAG / ID NO.: N/A
DESCRIPTION : Fire safe design test as per API 607 sixth edition, September 2010, of 8" 300# , 2 pc Carbon Steel full bore Floating Ball Valve with gear operated, mfg std BS EN 17292.	
# Size :- 8"	
# Rating :- 300#	
# SR. NO.: :- C-16041401	
# Drg. No. :- VGO-GA-300-15-200-00B-R0	
# MOC	
Valve Body :- ASTM A216 GR. WCB	
Valve Adaptor :- ASTM A216 GR. WCB	
Valve Ball :- ASTM A351 GR. CF8	
Stem :- ASTM A479 GR. 304	
Valve Seats :- PTFE	
PRIMARY SUPPLIER: M/s Aira Euro automation Pvt. Ltd.	SUB-SUPPLIER: ---
LOCATION: Ahmedabad	LOCATION:---
CONTACT: Mr. Taha Matcheswala	CONTACT: ---
SHOP ORDER NO.: ---	SHOP ORDER NO.: _____

PROGRESS

ENGINEERING: (% complete) 100%	ENGINEERING: (% complete) N/A
MATERIAL: (% complete) @100 %	MATERIAL: (% complete) N/A
FABRICATION: (% complete) 100 %	FABRICATION: (% complete) N/A
PO DELIVERY DATE: _____	PO DELIVERY DATE: _____
SCHEDULED COMPLETION DATE: _____	SCHEDULED COMPLETION DATE: _____

SUMMARY

DATE OF LAST VISIT: ---	TOTAL HRS THIS VISIT: <u>9</u> Hrs/Day_ (See breakdown below)
DATE(S) OF THIS VISIT: 27/04/2014	TRAVEL <u>2</u> INSPECTION <u>6</u> REPORT <u>1</u>
NEXT SCHEDULED VISIT: ---	TOTAL HOURS TODATE <u>9</u>
NON-CONFORMITY REPORT ISSUED DURING THIS VISIT: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR NO.:	
OUTSTANDING NON-CONFORMITY REPORT: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES NCR NO.:	
INSPECTION RELEASE ISSUED DURING THIS VISIT: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES IR NO.: IR/BA/140101	
ACTION POINTS: (NCR'S, clarifications, pending approvals, etc.)	

INSPECTOR'S SIGNATURE: BHARAT AKHAJA | DATE: 27/04/2014

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SURVEILLANCE INSPECTION REPORT

ASSIGNMENT NO.	REPORT NO.: SIR/BA/140101	PO NO.: In house Fire Safe Test	PAGE 2 OF 2
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INSPECTION ACTIVITIES

1. INSPECTION ACTIVITIES IDENTIFICATION: (Place a x mark in each of the boxes below that corresponds with an inspection activities verified or performed. Each activity marked must be fully explained below at section 3. "Inspection Details".

<input checked="" type="checkbox"/> Material identification and traceability <input type="checkbox"/> Review of Welding Procedure Specification and Procedure Qualification Record <input type="checkbox"/> Review of Welder/Welding Operator Qualification Records <input type="checkbox"/> Visual inspection of weld joint fit-up/back gouge preparations <input type="checkbox"/> Control of welding consumables (filler metals, rods, wire, etc.) <input type="checkbox"/> In-process welding inspection (adherence to WPS – essential variables) <input type="checkbox"/> Visual inspection of completed welds for detection of defects / discontinuities <input checked="" type="checkbox"/> Full dimensional inspection for compliance with design drawing <input type="checkbox"/> Review of radiographs <input type="checkbox"/> Magnetic particle / liquid penetrant tests <input type="checkbox"/> Ultrasonic testing <input type="checkbox"/> NDE test reports <input checked="" type="checkbox"/> Internal inspection <input type="checkbox"/> Verification of specified post weld heat-treatment <input type="checkbox"/> Hardness test: HV <input type="checkbox"/> HB <input type="checkbox"/> HRC <input type="checkbox"/>	<input type="checkbox"/> Mechanical testing (charpy impact, tensile, guided bends) <input checked="" type="checkbox"/> Pressure / Leak test (hydro-static, air, helium, etc.) <input type="checkbox"/> Balancing of rotating parts <input type="checkbox"/> Shaft / Rotor run out <input type="checkbox"/> Clearance checks <input type="checkbox"/> Vibration / Noise test <input type="checkbox"/> Mechanical running tests <input type="checkbox"/> Over-speed trip test <input type="checkbox"/> Check of trip systems (low / high oil pressure, vibration, etc) <input checked="" type="checkbox"/> Load / No load test <input checked="" type="checkbox"/> Operational test <input type="checkbox"/> NPSH test <input checked="" type="checkbox"/> Cleaning / Sandblasting / Painting <input checked="" type="checkbox"/> Marking and Identification (name plate data, tags, etc.) <input checked="" type="checkbox"/> Vendor data review (CMTR, test records, data sheets, QC records)
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2. REFERENCE DRAWINGS/SPECIFICATIONS: (include revision no.'s)
 -- Drg. No.: VGO-GA-300-15-200-00B-R0
 -- API 607 Sixth Edition , September 2010

3. INSPECTION ACTIVITIES: (Provide complete details of activities performed and tests witnessed, as per section (1) above including any activities/inspections that are not listed. Use continuation pages as necessary).

Scope :
 1] Witness to loading, monitoring and unloading of the valve for fire safe test as per API 607 sixth Ed. Sep. 2010.
 2] Witness to hydrostatic tests and air test as per the inspection and test standard.

Witness to :-
 1] Valve Hydro test and air test witnessed as per Inspection and test standard.
 2] Fire safe test witnessed as per API 607 sixth edition September 2010.

Observations :-
 1] Valve is conforming the fire safe test as per API 607 sixth Ed. Sep. 2010.

4. ATTACHMENTS: (Each attachment must reference the corresponding Attachment no., Intertek Assignment No., and client's PO no.:

1. TEST RECORD	4.	7.
2.	5.	8.
3.	6.	9.

Summary :
 1. Testing is acceptable and confirming the requirement of specified standard.



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Report no.:- BDA/2012/397
Date:- 2012-04-19
DNV Order no.: 50212067

DET NORSKE VERITAS

TO,
M/s. Aira Euro Automation Pvt. Ltd.
Plot no.: 124, Aira Estate, B/h Security Estate,
Nr. Kashiram Textile Mill,
Narol, Ahmedabad – 382 405,
Gujarat, India

With reference to your Letter Ref. No: APL/MKT-L/2012/15170 Dated 17TH April 2012, requesting us to witness fire testing of 80mm, 150# 2PC Design Full bore Ball Valve Lever operated - QUARTER TURN SOFT SEATED BALL VALVE, our undersigned surveyor visited your works on 18th April 2012 and witnessed the same on the valve pre-selected by you.

FIRE SAFE TEST WITNESS REPORT

Description of valve tested:

Design standard	: BS – 5351 – 1991
Type	: 2PC Design Full bore Ball Valve, Flanged End, Quarter Turn Soft Seated Ball Valve
Size /class	: 80mm, Class – 150
Valve serial No.	: 100412007
Drawing No.	: AEAPL-DRG-12-BV-72.DWG / REV.00

Material of construction:

Body & Side Piece	: ASTM A 216 GR. WCB
Ball	: ASTM A 351 GR. CF8
Seat	: PTFE
Stem	: ASTM A 479-11, Type 304

Witnessed fire safe testing in accordance to API 607 (5th Edition – June 2005) and found the test results conforming with the below specifications. For further details please refer manufacturer's testing report attached herewith.


Range Qualified:

This valve qualifies following sizes and class ratings as per API 607 (5th Edition – June 2005)

Size	: 80mm, 100mm, 125mm, 150mm
Class	: 150 & 300

Conclusion: The above Pre Selected valve by M/s. Aira Euro Automation Pvt. Ltd. complies to the fire safe requirements of **API 607 (5th Edition – June 2005)**.

Place: Ahmedabad
Date of Issue: 2012-04-19


Bhavinkumar Patel / Narpat R.Ravalji
Surveyor to Det Norske Veritas AS



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