

# CERTIFICATE



**Certificate of Conformity with Technical Requirements In:  
API STD 607 Sixth Edition, September 2010**

**Fire Test for Quarter-turn Valves  
and Valves Equipped with Nonmetallic Seats**

**Certificate No.: 228825**  
**Ref. Test report No.: P-228825**

**Name of Applicant: FITOK GmbH**  
**Address: Spremlinger Landstr. 115 ,63069 Offenbach, Germany**

**Name of Manufacturer: FITOK Incorporated**  
**Address: 1-4F,Block C,Zone E,Yingtai Industrial Park,Dalang Street,  
Bao'an District, Shenzhen, Guangdong, 518109, China**

We hereby certify that the fire test on below valves have been conducted for above mentioned manufacturer and witnessed by TÜV SÜD Engineer according to requirements of API Std 607 Sixth Edition, September 2010. The testing results of valves meet the requirements of API Std 607 Sixth Edition, September 2010.

**1. Description of Test Valve \* :**

Type of Test Valve	BISS-FJ32-1500-P50G-I	DBBSS-BBN5-FJ321500-V4-F-I
Description of Test Valve *	2 PCS Flanged End Ball Valve	3 PCS Flanged End Ball Valve
Valve Size ( bore), NPS	2	
Pressure Rating (ANSI Class)	1500	
Valve Body Material	ASTM A182 F316	
Weight of Test Valve ( Kgs)	47 Kgs	70 Kgs
Drawing No. / Rev.	BISS-FJ32-1500-P50G-I Rev.1	DBBSS-BBN5-FJ321500-V4-F-I Rev.1

**2. Qualified Range of Valves :**

Type	BI	DBB
Description of Valves	2 PCS Ball Valves	3 PCS Ball Valves
Qualified Pressure Ratings(Class) <i>( according to API 607 Table 5 )</i>	1500 ; 2500	
Qualified Sizes ( NPS ) <i>( according to API 607 Table 3 )</i>	2 and below ; 2-1/2 ; 3 ; 4	
Qualified Valve Material <i>( according to API 607 Para.7.2 )</i>	Austenitic ( with Alloy and Austenitic steel bolting )	
Qualified Valves Mass <i>( according to API 607 Para.7.1 e )</i>	35.25 kgs and larger	52.5 kgs and larger
Remark:	* The technical data of test valve is described in details on back of this certificate.	

This certificate is issued according to API STD 607 Sixth Edition, September 2010 based upon the result of testing report on above mentioned test valves. The additional valve qualification shall be limited to similar valves of same basic design (including calculation method) and construction as the test valves and of the same nonmetallic materials as the test valve in the seat-to-closure member seal, seat-to-body seal, stem seal, and body joint and seal, etc. according to API STD607 Sixth Edition, September 2010.

Beijing, Jan., 12<sup>th</sup> , 2016

*(Place, date)*

  
**Mr. Qianjian Wu**  
**TÜV SÜD Industrie Service GmbH**

Certificate No.: 228825

Ref. Test report No.: P- 228825



Industrie Service

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**Address:** Sprendlinger Landstr. 115 ,63069 Offenbach, Germany

**Name of Manufacturer:** FITOK Incorporated  
**Address:** 1-4F,Block C,Zone E,Yingtai Industrial Park,Dalang Street,  
 Bao'an District, Shenzhen, Guangdong, 518109, China

**Fire Testing Location:** Hefei General Machinery & Electrical Products Inspection Institute  
 No.888, West Changjiang Road, Hefei, Anhui, P.R. China

### Technical Data of Test Valves

#### Description of Test Valve:

Type of Test Valves	BISS-FJ32-1500-P50G-I	DBBSS-BBN5-FJ321500-V4-F-I
Description of Valves	2 PCS Flanged End Ball Valve without Gearbox	3 PCS Flanged End Ball Valve without Gearbox
Test Valve SN.	MJd151011979	LFE151008081
Design Standard	ASME B16.34 edition 2013	
Flanged End Standard	ASME B16.5 edition 2013	
Inspection and Test Standard	API 598 edition2009	

Part Name	Material	Materials
Handle	ASTM A693 Type 630	ASTM A693 Type 630
Stop Pin	GB/T119.1 304	GB/T119.1 304
Hexagon Thin Nut /Stem Nut	GB/T6172.1 A4-035	GB/T6172.1 A4-035
Stem Spring Washer /Spring Washer	GB/T93 1Cr18Ni9Ti	GB/T93 1Cr18Ni9Ti
Gland Bridge	ASTM A240 304	ASTM A240 304
Set Bolt /Screw	GB/T70.1 A2-70	GB/T70.1 A2-70
Body	ASTM A182 F316	ASTM A182 F316
Bolt	ASTM A193 B8M	ASTM A193 B8M
Hexagon Nut	GB/T6170 A2-70	GB/T6170 A2-70
Body Gland	ASTM A182 F316	ASTM A182 F316
Seal Ring	Graphite	Graphite
Seat	PEEK	PEEK
Ball	ASTM A479 316	ASTM A479 316
Stem	ASTM A564 Type 630	ASTM A564 Type 630
Packing Gland	ASTM A564 Type 630	ASTM A564 Type 630
Knit Packing Washer	Graphite	Graphite
Packing	Graphite	Graphite
Packing Washer	ASTM A276 316	ASTM A276 316
Bearing	ASMT A479 Type 410	ASMT A479 Type 410
Gasket	PEEK	PEEK
Plug	--	ASTM A276 316
Round Bar Handle	--	ASTM A276 321
Set Screw	--	GB/T79 A2
Packing Gland	--	ASTM A276 304
Upper Stem	--	ASTM A276 316
Lock Nut	--	ASTM B783 Type 630
Bonnet	--	ASTM A479 316
Gland ( Part No.-29 )	--	ASTM A276 316
Lower Stem	--	ASTM A276 316
Weight of Test Valve	47 Kgs	70 Kgs
Drawing No./ Rev. :	BISS-FJ32-1500-P50G-I Rev.1	DBBSS-BBN5-FJ321500-V4-F-I Rev.1

Beijing, Jan.,12<sup>th</sup> , 2016

(Place, date)

Mr. Qinjian Wu

TÜV SÜD Industrie Service GmbH

