



**BUREAU  
VERITAS**

# TYPE APPROVAL CERTIFICATE

Certificate No.: **IPC/NR/IPCA-20/054**

Certificate holder: **Tecofi France**

Address of the certificate holder: **83 RUE MARCEL MERIEUX 69960 CORBAS FRANCE**

Name of the factory : **Henan Province Zhengdie Fluid Equipment Co., Ltd.**

Address of the factory: **No. 100 Jinhua Road, Shangjie District, Zhengzhou City,  
Henan Province, China P.C450041**

Type(s) of product manufactured: **Double eccentric flanged rubber seated butterfly valve**

Brand : **Tecofi**

Drawing No.: **VP4201-08/VP4208-08 and VP4241-08/VP4248-08**

Nominal Size: **DN 200-DN 2000**

Pressure (bar): **PN 10 / PN 16**

Material of valve body and disc: **EN GJS-500-7 (BS EN 1563:2018)**

Applying standards: **BS EN 1074-1:2000, BS EN 1074-2:2000+A1:2004**

After examination of the following documents:

-Test reports for type approval n° **IPC/NR/IPCA-20/054** dated **Jun. 13, 2020**

The undersigned, Inspector to Bureau Veritas, certifies that the above type meets the applicable requirements for the type approval of double eccentric flanged rubber seated butterfly valve listed above.

This approval remains valid as long as no significant changes are made to the facility, its production rate and its quality system. These conditions are assessed during each inspection of series.

This approval is an integral and indissociable part of the certification process managed by Bureau Veritas as defined in BV procedure GM SI 210.

Made at: Shanghai

Name & signature:

Mingsheng Xu

On: Jun. 13, 2020

BV China Industry Department Manager



INDUSTRY & FACILITIES

## TEST REPORTS FOR TYPE APPROVAL n° IPC/NR/IPCA-20/054 Rev. A

*Rapport d'essais des types tests*

### 1. General:

Certificate holder: **Tecofi France**

Address of the certificate holder: **83 RUE MARCEL MERIEUX 69960 CORBAS FRANCE**

Name of the factory : **Henan Province Zhengdie Fluid Equipment Co., Ltd.**

Address of the factory: **No. 100 Jinhua Road, Shangjie District, Zhengzhou City, Henan Province, China P.C450041**

Type(s) of product manufactured: **Double eccentric flanged rubber seated butterfly valve**

Brand : **Tecofi**

Drawing No.: **VP4201-08/VP4208-08 and VP4241-08/VP4248-08**

Nominal Size : **DN 200-DN 2000**

Pressure (bar): **PN 10 / PN 16**

Material of valve body and disc: **EN GJS-500-7 (BS EN 1563:2018)**

Applying standards: **BS EN 1074-1:2000, BS EN 1074-2:2000+A1:2004**

Type Tests witnessed on May 28-30, Jun. 01-07, 2020 by Mr. Li Quliang

### 2. List of examined documents:

- design verification report n° IPC/NR/IPCA-20/054
- drawings, specification and standard of the type:

Requirements and tests as per EN 1074-2		
Sub-clause <sup>a</sup>	Requirement <sup>a</sup>	Type test
5.1.1	Resistance to internal pressure of the shell and of all pressure containing components	See 5.1.1
5.1.2	Resistance of the obturator to differential pressure	See 5.1.2
5.1.3	Resistance of the valves to bending	See 5.1.3
5.1.4	Resistance of valves to operating loads	See 5.1.4
5.2.1.1	Leak-tightness to internal pressure	See 5.2.1.1
5.2.1.2	Leak-tightness to external pressure	See 5.2.1.2
5.2.2.1	Seat tightness at high differential pressure	See 5.2.2.1 and 5.2.3
5.2.2.2	Seat tightness at low differential pressure	See 5.2.2.2 and 5.2.3
5.2.3	Maximum operating torque (MOT)	See 5.2.2 and 5.2.3



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INDUSTRY & FACILITIES

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### *Rapport d'essais des types tests*

5.2.4	Leak-tightness to gearboxes to external pressure	See 5.2.4
5.4	Resistance to disinfection products	See 5.4
5.5	Endurance	See 5.5
<sup>a</sup> The sub-clauses and requirements show above, are those given in EN1074-1		

### **3. Observations and results:**

- o identification of the sampling, marking drawing

The type test had been performed under the witness of BV auditor. The details see the report No. ZDLT-17XSSY-001(DN300 PN10), ZDLT-17XSSY-002(DN600 PN10), ZDLT-17XSSY-003(DN1000 PN10) and ZDLT-17XSSY-004(DN1600 PN10), ZDLT-17XSSY-005(DN300 PN16), ZDLT-17XSSY-006(DN600 PN16), ZDLT-17XSSY-007(DN1000 PN16) and ZDLT-17XSSY-008(DN1600 PN16).

### **4. Conclusion:**

At the request of TECOFI and within the general conditions of service of Bureau Veritas China and the applicable requirements of BV procedures, the above type test was performed and the results were found satisfactory.

### **Attachments:**

- ZDLT-17XSSY-001(DN300 PN10)
- ZDLT-17XSSY-002(DN600 PN10)
- ZDLT-17XSSY-003(DN1000 PN10)
- ZDLT-17XSSY-004(DN1600 PN10)
- ZDLT-17XSSY-005(DN300 PN16)
- ZDLT-17XSSY-006(DN600 PN16)
- ZDLT-17XSSY-007(DN1000 PN16)
- ZDLT-17XSSY-008(DN1600 PN16)



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**TEST REPORTS FOR TYPE APPROVAL n° IPC/NR/IPCA-20/054 Rev. A**

*Rapport d'essais des types tests*

**Inspected by:**

Name: Li Quliang

Signature:

Date of issue: Jun. 13, 2020

**Inspection centre:** BV Shanghai



**Checked by:**

Name:

Signature...

Distribution:  CLIENT  MANUFACTURER



**BUREAU  
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# FACTORY APPROVAL CERTIFICATE

Certificate No.: **IPC/NR/IPCA-20/054**

Certificate holder: **Tecofi France**

Address of the certificate holder: **83 RUE MARCEL MERIEUX 69960 CORBAS FRANCE**

Name of the factory : **Henan Province Zhengdie Fluid Equipment Co., Ltd.**

Address of the factory: **No. 100 Jinhua Road, Shangjie District, Zhengzhou City, Henan Province, China P.C450041**

Type(s) of product manufactured: **Double eccentric flanged rubber seated butterfly valve**

Brand : **Tecofi**

Drawing No. : **VP4201-08/VP4208-08 and VP4241-08/VP4248-08**

Nominal Size: **DN 200-DN 2000**

Pressure (bar): **PN 10 / PN 16**

Material of valve body and disc: **EN GJS-500-7 (BS EN 1563:2018)**

Applying standards: **BS EN 1074-1:2000, BS EN 1074-2:2000+A1:2004**

Detailed type(s) of products: Refer to the **Annex I to Certificate**.

After examination of the following documents:

- Quality System Certificate n° **03419Q51160R0S** Valid Date: 14/10/2019~13/10/2022
- Factory Audit Report n° **IPC/NR/IPCA-20/054**
- Test Reports for Type Approval n° **IPC/NR/IPCA-20/054**

The undersigned inspector to Bureau Veritas, certifies that the above factory meets the applicable requirement for the production of the following types of double eccentric flanged rubber seated butterfly valve listed in **Annex I to Certificate**.

This certificate is valid from : **Jun. 13, 2020**

For a period of three years, ending : **Jun. 12, 2023**

This approval is only valid provided that every semi-annual audit (in annex) is done and found satisfactory by Bureau Veritas, and when no significant changes are made to the audited facility, its production rate and its quality system. These conditions are assessed during semi-annually audits.

This approval is an integral and indissociable part of the certification process managed by Bureau Veritas as defined in BV procedure GM SI 210.

Made at: **Shanghai**

Name & signature:

**Mingsheng Xu**

On: **Jun. 13, 2020**

**BV China INS Department Product Manager**



**ANNEX I TO CERTIFICATE No. IPC/NR/IPCA-20/054**

1. Certificate holder: **Tecofi France**
2. Address of the certificate holder: **83 RUE MARCEL MERIEUX 69960 CORBAS FRANCE**
3. Name of the factory : **Henan Province Zhengdie Fluid Equipment Co., Ltd.**
4. Address of the factory: **No. 100 Jinhua Road, Shangjie District, Zhengzhou City, Henan Province, China P.C450041**
5. Applying standards: **BS EN 1074-1:2000** Valves for water supply-Fitness for purpose requirements and appropriate verification tests-Part 1 General requirements  
**BS EN 1074-2:2000+A1:2004** Valves for water supply-Fitness for purpose requirements and appropriate verification tests-Part 2 Isolating Valves

6. Type(s) of product manufactured: Double eccentric flanged rubber seated butterfly valve  
Brand : **Tecofi**

Drawing No.: **VP4201-08/VP4208-08 and VP4241-08/VP4248-08**

Nominal Size: **DN 200-DN 2000**

Pressure (bar): **PN 10 / PN 16**

Material of valve body and disc: **EN GJS-500-7 (BS EN 1563:2018)**

- Satisfactory audit of the above mentioned factory and issuance of the references report as per the Factory Approval Certificate.

This certificate is valid for 3 years (until **Jun. 12, 2023**), providing that the semi-annual surveillance visits made by the society are satisfactory. After that period it shall be renewed in accordance with the Bureau Veritas Rules.

1 <sup>st</sup> Year Period:		2 <sup>nd</sup> Year Period:		3 <sup>rd</sup> Year Period:	
13/06/2020~ 12/12/2020	13/12/2020~ 12/06/2021	13/06/2021~ 12/12/2021	13/12/2021~ 12/06/2022	13/06/2022~ 12/12/2022	13/12/2022~ 12/06/2023
Sign & Stamp:	Sign & Stamp:	Sign & Stamp:	Sign & Stamp:	Sign & Stamp:	Sign & Stamp:

This inspection has been carried out within the scope of Bureau Veritas General Conditions; it does not release the seller from his contractual obligations towards the buyer.