



Certificate

Of Conformity with Technical Requirements In: API STD 6FA Fifth Edition, May 2020 Fire Test for Valves

Certificate No.: 315018
Ref. Test report No.: 2024(JX)GSYZB01506

Name of Applicant / Manufacturer: DBV VALVE CO., LTD.
Postal address: Tangtou Village, Oubei Street, Yongjia County, Wenzhou City,
Zhejiang Province, P. R. China

We hereby certify that the fire test on below valves have been conducted at the above mentioned manufacturer and witnessed by TÜV Engineer according to requirements of API Std 6FA Fifth Edition, May 2020. The testing results of valves meet the requirements of API Std 6FA Fifth Edition, May 2020.

1. Description of Test Valve :

| | |
|--------------------------------|--------------------|
| Type of Test Valve | 4"-Z44Y-1500 |
| Description of Test Valve | Gate Valve |
| Valve Size | 4" |
| Pressure Rating (ANSI Class) | Class 1500 |
| Valve Body Material | ASTM A216 WCB |
| Drawing no. | 4"-Z44Y-1500#-00 |
| Test report | 2024(JX)GSYZB01506 |

2. Qualified Range of Valves:

| | |
|--|---|
| Type of Valve | Gate Valve |
| Description of Test Valve | Gate Valve |
| Qualified Sizes (according to API 6FA Table 3, 4) | 4; 6; 8 DN 100; 125; 150; 200 |
| Qualified Pressure Ratings (Class) (according to API 6FA Table 5, 6) | Class 1500, 2500 |
| Qualified Valve Material of Pressure- containing Parts (API 6FA Para. 5.5.1) | Low alloy and carbon steel |
| Qualified Valve Material of Closure Bolting (according to API 6FA Para. 5.5.3) | Stainless-steel and Nickel-alloy Bolting *) |
| Remark: The technical data of tested valves see back of this certificate appendix 1. | |

*) the thermal conductivity is less than or equal to that of low alloy steel bolting used the tested valve

This certificate is issued according to API STD 6FA Fifth Edition, May 2020, based upon the result of testing report on above mentioned test valve. The additional valve qualification shall be limited to similar valves of same basic design (including calculation method) and construction as the test valve and of the same nonmetallic materials with respect to the seat-to-closure member seal, seat-to-body seal, stem seal, and body joint and seal according to API STD 6FA Fifth Edition, May 2020.

Beijing/Nov 14th, 2024

(Place, date)


Liu Bingjian

TUV SUD Certification and Testing (China) Co., Ltd Beijing Branch



Appendix 1:

Certificate No.: 315018

Name of Applicant / Manufacturer: DBV VALVE CO., LTD.

Postal address: Tangtou Village, Oubei Street, Yongjia County, Wenzhou City, Zhejiang Province, P. R. China

Test Lab: National Quality Inspection & Analysis for Petroleum Equipment and Products (Shandong)

Technical Data of Test Valves

1. Type of Test Valve: 4"-Z44Y-1500 Gate Valve

2. Description of Test Valves:

| | |
|------------------------|------------------|
| Type of Test Valves | 4"-Z44Y-1500 |
| Description of Valves | Gate Valve |
| Pressure Class, | Class 1500 |
| Valve Size, NPS | 4" |
| Design and manufacture | API 6D |
| Test inspection | API 6D |
| Drawing no. | 4"-Z44Y-1500#-00 |
| Tested valve no. | W2406519-2024 |

3. Details of Valves:

| 4"-1500LB | |
|---------------|-------------------|
| Part Name | Materials |
| Body | ASTM A216 WCB |
| Body Bolt | ASTM B7 |
| Body Nut | ASTM A194 2H |
| Seat | AISI 1035 |
| Stem | 17-4PH |
| Bonnet | ASTM A216 WCB |
| Packing | Flexible graphite |
| Packing Gland | ASTM A216 WCB |
| O-ring | Viton |
| Spring | Inconel-x750 |
| Main Disc | AISI 410+STL |
| Gasket | SS304 |

Beijing/ Nov 14th, 2024

(Place, date)

TUV SUD Certification and Testing (China) Co., Ltd Beijing Branch
M Building, No. 7 Wangjing Zhonghuan Nanlu, Chaoyang District,
Beijing, 100102, P. R. China

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Industrie Service

CERTIFICATE

(Certificate of conformity with technical requirements in:)
API STANDARD 6FA FOURTH EDITION, JUNE 2018

Certificate No.:267103

Ref. Test report No.:267104

Name and postal address of manufacturer: DBV Valve Co., Ltd.
Tangtou Village, Oubei Street, Yongjia County,
PC: 325102, Wenzhou City, Zhejiang Province, P. R. China
(No.96 Fanhua East)

We hereby certify that the fire test on below valves have been conducted at the laboratory designated by manufacturer and witnessed by TÜV inspector according to requirements of API STANDARD 6FA FOURTH EDITION, JUNE 2018, the testing results of valves meet the requirements of API STAND ARD 6FA FOURTH EDITION, JUNE 2018

1. Description of Test Valve :

| | |
|--------------------------------|-----------------------------|
| Type of Test Valve | Q47F-CL1500 NPS2 Ball Valve |
| Description of Valve | Ball Valve |
| Valve Size (NPS) | 2" |
| Pressure Rating (ANSI Class) | Class 1500 |
| Valve Body Material | ASTM A105 |

2. Qualified Range of Valves :

| | |
|---|---|
| Type | Ball Valves |
| Description of Valves | Ball Valves |
| Qualified Sizes (NPS) (according to API 6FA Table 4) | 2", 2 1/2", 3", 4" |
| Qualified Pressure Ratings (Class) (according to API 6FA Table 6) | 1500;2500 |
| Qualified Marking (according to API 6FA Para.4.5) | Qualified valves shall be permanently marked: 6FA |
| Remark: the technical data of test valve see back of this certificate appendix 1. | |

This certificate is issued according to API STANDARD 6FA FOURTH EDITION, JUNE 2018, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 according to API STANDARD 6FA FOURTH EDITION, JUNE 2018, Para.5.

Shanghai, January 10, 2020
(Place, date)


Gullin Chen
TÜV SÜD Industrie Service GmbH
Westendstr.199
80686 München Germany



Industrie Service

CERTIFICATE

(Certificate of conformity with technical requirements in:)
API STANDARD 6FA FOURTH EDITION, JUNE 2018

Certificate No.:267105

Ref. Test report No.:267106

Name and postal address of manufacturer: **DBV Valve Co., Ltd.**
Tangtou Village, Oubei Street, Yongjia County,
PC: 325102, Wenzhou City, Zhejiang Province, P. R. China
(No.96 Fanhua East)

We hereby certify that the fire test on below valves have been conducted at the laboratory designated by manufacturer and witnessed by TÜV inspector according to requirements of API STANDARD 6FA FOURTH EDITION, JUNE 2018, the testing results of valves meet the requirements of API STAND ARD 6FA FOURTH EDITION, JUNE 2018

1. Description of Test Valve :

| | |
|--------------------------------|-----------------------------|
| Type of Test Valve | Q347F-CL600 NPS4 Ball Valve |
| Description of Valve | Ball Valve |
| Valve Size (NPS) | 4" |
| Pressure Rating (ANSI Class) | Class 600 |
| Valve Body Material | ASTM A105 |

2. Qualified Range of Valves :

| | |
|---|---|
| Type | Ball Valves |
| Description of Valves | Ball Valves |
| Qualified Sizes (NPS) (according to API 6FA Table 4) | 4",6",8" |
| Qualified Pressure Ratings (Class) (according to API 6FA Table 6) | 600;900 |
| Qualified Marking (according to API 6FA Para.4.5) | Qualified valves shall be permanently marked: 6FA |
| Remark: the technical data of test valve see back of this certificate appendix 1. | |

This certificate is issued according to API STANDARD 6FA FOURTH EDITION, JUNE 2018, based upon the result of testing report on above mentioned test valve. The additional valves qualification shall be limited on similar valves of same basic design as the test valve and 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 according to API STANDARD 6FA FOURTH EDITION, JUNE 2018, Para.5.

Shanghai, January 10, 2020
(Place, date)


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