

JIANGYIN EASTERN VALVE PARFECT GROUP

QUALIFICATION CERTIFICATE

2023/10/09	Rev.1	Ryan.Zuo	Board of Directors	
Date	Revision	Issued by	Approved	

Our Value:

Share Value, Grow together

Our Principle: Responsibility & Co-operation



Tel:+86-0510-88600348 Email: sales@parfect.com.cn

Valid Certificates List

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S.N	Description	Certificate No.	Expiry Date	Page				
1	Production License of Special Equipment issued by State Administration	TS271041K-2024	2024/3/19	1				
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中华人民共和国 特种设备生产许可证

Production License of Special Equipment People's Republic of China

编号: TS271041K-2024

252525252525252525252525252525252525

单位名称: 江阴东方阀门有限公司

住 所: 江苏省江阴市周庄镇龙山路80号

制造地址: 1. 江苏省江阴市周庄镇龙山路80号

2. 江苏省江阴市周庄镇龙东路2号

经审查,获准从事以下特种设备生产活动:

许可项目	许可子项目	许可参数	备注
压力管道元件制造	压力管道阀门(金属阀 门)(A1、B)		具体产品范围见型式 试验证书

发证机关: 国家市场监督管理总局

有效期至: 2024年03月19日



Certificate					
	Quality management system for Manufacturer of Materials acc. to Directive 2014/68/EU				
Certificate no.:	01 202 CHN/Q-15 0534				
Name and address of the certificate holder:	Jiangyin Eastern Valve Co., Ltd. No. 80 Longshan Road, Zhouzhuang Town, Jiangyin, Jiangsu P.R. China				
	Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 2014/68/EU, Annex I, Par. 4.3, with regard to the materials as listed in the scope of approval.				
Test basis:	QM System acc. to EN 764-5, article 4.2 and AD 2000-Merkblatt W0				
Audit report no.:	01 202 CHN/Q-15 0534				
Scope:	Manufacturing of Castings, see annex to certificate				
Manufacturing plant:	Jiangyin Eastern Valve Co., Ltd. No. 80 Longshan Road, Zhouzhuang Town, Jiangyin, Jiangsu P.R. China				
Validity:	This certificate is valid from 2021-08-12 to 2024-06-28. Initial issuance: 2015				
Cologne, 2021-08-12	DiplIng. (FH) Vela Ruff				

TÜV Rheinland Industrie Service GmbH Notified Body for Pressure Equipment, ID-No. 0035 Am Grauen Stein, D-51105 Cologne

www.tuv.com

E-108a



Certificate

Quality Assurance System acc. to Directive 2014/68/EU

Certificate no.:	01 202 CHN/Q-15 0533
Name and address of the certificate holder:	Jiangyin Eastern Valve Co., Ltd. No. 80 Longshan Road, Zhouzhuang Town, Jiangyin Jiangsu P.R. China Herewith we certify that the above -mentioned manufacturer operates a quality system according to the European Directive 2014/68/EU. The manufacturer has the permission to affix the following CE marking to pressure equipment described and manufactured in accordance to the scope covered by this Quality- Assurance System: C€ 0035
Test basis:	Directive 2014/68/EU: QA-System (Module H) (the QS-Modules E1, E, D1, D are covered by Module H)
Audit report no .:	01 202 CHN/Q-15 0533
Scope:	Design and Manufacturing of Industrial Valves, see annex to certificate
Manufacturing plant:	Jiangyin Eastern Valve Co., Ltd. No. 80 Longshan Road, Zhouzhuang Town, Jiangyin Jiangsu P.R. China
Validity:	This certificate is valid from 2021-08-11 to 2024-07-10. Initial issuance: 2015
Cologne, 2021-08-11	DiplIng. (FH) Vera Ruff

TÜV Rheinland Industrie Service GmbH Notified Body for Pressure Equipment, ID-No. 0035 Am Grauen Stein, D-S1105 Cologne

MS-0037317 E-008-Rev01



www.tuv.com



DNV BUSINESS ASSURANCE

EC TYPE-EXAMINATION CERTIFICATE

Certificate No. 4481-2014-CE-RGC-ACCREDIA

This certificate consists of 7 pages.

This is to certify that the product(s)

Pressure Accessory

with name and/or type designation(s)

Valve

manufactured by

Jiangyin Eastern Valve Co., Ltd.

No.80 Longshan Road, Zhouzhuang Town, Jiangyin City, Jiangsu, People's Republic of China

has been assessed with respect to

the conformity assessment procedure described in annex III (Module B) of Directive 97/23/EC on Pressure Equipment, as amended, and found to comply.

Further details are given in the following pages.



This certificate is valid until 2024-05-08

Giovanni Cortesi Technical Reviewer Place and date

Agrate Brianza, 2014-05-14 for the Notified Body 0496 Det Norske Veritas Italia S.r.l.

Renato Grottola

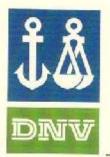
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

Def Norske Venitas Folda Siri - Centero Derezenale Cialedoi - Palazzo Soco 2 - Vile collecta, 9 - 20864 Agrante Beaarza (MB) - Itali - Tel, +39 099 58 99 905 - www.dwyb.actuelt

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Jurisdiction

Application of Pressure Equipment Directive 97/23/EC of the European Parliament and of the Council and Decreto Legislativo No.93 of 25 February 2000.

Certificate history

Revision	Description	Issue date
00	Original certificate	2014-05-14

Products covered by this certificate

Product name	Product description	Category	Applied product standards
Valve	Gate Valve	-	API 600 ASME B16.34
	Globe Valve	1, Ш, Ш	BS 1873 ASME B16.34
	Check Valve		API 594
	Ball Valve		API 6D

Design Data

Maximum allowable pressure (PS)	Minimum/maximum allowable temperature (TS)	Fluid group
Gate Valve, Check Valve Class 150/Class 300/ Class 600 Class900/ Class 1500/ Class 2500	ASTM A216 Grade WCB $0 \ ^{\circ}C \ / \ +425 \ ^{\circ}C$ ASTM A217 Grade WC6 $0 \ ^{\circ}C \ / \ +500 \ ^{\circ}C$ ASTM A217 Grade WC9 $0 \ ^{\circ}C \ / \ +525 \ ^{\circ}C$ ASTM A217 Grade C12 $0 \ ^{\circ}C \ / \ +525 \ ^{\circ}C$ ASTM A217 Grade C12 $0 \ ^{\circ}C \ / \ +525 \ ^{\circ}C$ ASTM A217 Grade C12 $0 \ ^{\circ}C \ / \ +525 \ ^{\circ}C$ ASTM A217 Grade C12 $0 \ ^{\circ}C \ / \ +538 \ ^{\circ}C$ ASTM A217 Grade C5 $0 \ ^{\circ}C \ / \ +538 \ ^{\circ}C$ ASTM A352 Grade LCC $-29 \ ^{\circ}C \ / \ +345 \ ^{\circ}C$ ASTM A352 Grade LC3 $-29 \ ^{\circ}C \ / \ +345 \ ^{\circ}C$ ASTM A352 Grade LC3 $-29 \ ^{\circ}C \ / \ +345 \ ^{\circ}C$ ASTM A351 Grade CF3 $0 \ ^{\circ}C \ / \ +425 \ ^{\circ}C$ ASTM A351 Grade CF8 $0 \ ^{\circ}C \ / \ +425 \ ^{\circ}C$ ASTM A351 Grade CF8 $0 \ ^{\circ}C \ / \ +425 \ ^{\circ}C$	1 and 2

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid,

DET NORSKE VERTAS FALLA S. E. - CENTRO DIRECENALE COLLEONI - PALAZIO S RIO 2 - V LE CULLEONI, 9 - 20064 ACRATE SIMAZA (MS) - BYALT - TEL 409 (89/08/99/902 - WWW. INVER FEMOLE

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Maximum allowable pressure (PS)	Minimum/maximum allowable temperature (TS)	Fluid group
Globe Valve Class 150/Class 300/ Class 600 Class900/ Class 1500	ASTM A216 Grade WCB $0 \ ^{\circ}C / +425 \ ^{\circ}C$ ASTM A217 Grade WC6 $0 \ ^{\circ}C / +500 \ ^{\circ}C$ ASTM A217 Grade WC9 $0 \ ^{\circ}C / +525 \ ^{\circ}C$ ASTM A217 Grade C12 $0 \ ^{\circ}C / +538 \ ^{\circ}C$ ASTM A217 Grade C5 $0 \ ^{\circ}C / +538 \ ^{\circ}C$ ASTM A217 Grade C5 $0 \ ^{\circ}C / +538 \ ^{\circ}C$ ASTM A352 Grade LCC $-29 \ ^{\circ}C / +345 \ ^{\circ}C$ ASTM A352 Grade LCB $-29 \ ^{\circ}C / +345 \ ^{\circ}C$ ASTM A352 Grade LC3 $-29 \ ^{\circ}C / +345 \ ^{\circ}C$ ASTM A351 Grade CF3 $0 \ ^{\circ}C / +425 \ ^{\circ}C$ ASTM A351 Grade CF3 $0 \ ^{\circ}C / +425 \ ^{\circ}C$ ASTM A351 Grade CF8 $0 \ ^{\circ}C / +425 \ ^{\circ}C$ ASTM A351 Grade CF8 $0 \ ^{\circ}C / +425 \ ^{\circ}C$ ASTM A351 Grade CF8 $0 \ ^{\circ}C / +425 \ ^{\circ}C$, 1 and 2
Ball Valve Class 150/Class 300/ Class 600 Class900/ Class 1500/ Class 2500	ASTM A216 Grade WCB $0 \circ C / +150 \circ C$ ASTM A216 Grade WCC $0 \circ C / +150 \circ C$ ASTM A352 Grade LCC $0 \circ C / +150 \circ C$ ASTM A352 Grade LCB $0 \circ C / +150 \circ C$ ASTM A352 Grade LCB $0 \circ C / +150 \circ C$ ASTM A352 Grade LC3 $0 \circ C / +150 \circ C$ ASTM A351 Grade CF3 $0 \circ C / +150 \circ C$ ASTM A351 Grade CF3 $0 \circ C / +150 \circ C$ ASTM A351 Grade CF8 $0 \circ C / +150 \circ C$ ASTM A351 Grade CF8 $0 \circ C / +150 \circ C$ ASTM A351 Grade CF8 $0 \circ C / +150 \circ C$ ASTM A351 Grade CF8 $0 \circ C / +150 \circ C$ ASTM A350 Grade LF2 $-26 \circ C / +150 \circ C$ ASTM A105 $0 \circ C / +150 \circ C$ ASTM A182 Grade F316L $-26 \circ C / +150 \circ C$	1 and 2

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DEP NORME VIEITAS ITALIA S.LL - CIDITSO DIREPHONALE COLLINNI - PALAZZES SIBIO 2 - VLIE COLLINER, 9 - 20564 AGRAVE BRUARZA (MB) - ITALY - TEL 439 020466 59 905 - WWW INVERSION/IT

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Range of products covered by this certificate

Group No.	Type of valve	Rating						Standard			
		Class 150	Class 300	Class 600	Class 900	Class 1500	Class 2500	Design	Inspection	End	Face-to- Face
01	ASTM A351 Grade CF3/ CF3M/CF8/ CF8M ASTM A352 Grade LCB/ /LC3 Ball Valve	DN50 ~600	DN50 ~600	DN50 ~600	NA	NA	NA	API 6D	API 6D	ASME B 16.5	ASME B 16.10
02	ASTM A216 Grade WCB/ WCC ASTM A352 Grade LCC Ball Valve	DN50 -900	DN50 ~900	DN50 -900	DN50 ~600	DN50 ~400	DN50 ~300	API 6D	API 6D	ASME B 16.5 ASME B 16.47	ASME B 16.10
03	Forged Ball Valve	DN50 ~900	DN50 900	DN50 ~900	DN50 -600	DN50 ~400	DN50 300	API 6D	API 6D	ASME B 16.5 ASME B 16.47	ASME B 16.10
04	Gate Valve	DN50 ~ 600	DN50	DN50 600	DN80 	DN50 	DN50	API 600	API 598	ASME B 16.5	ASME B 16.10
05	Gate Valve	DN650 900	DN650 900	DN650 900	DN650 750	NA	NA	ASME B16.34	API 598	ASME B 16.47	ASME B 16.10
06		DN50 	DN50 300	DN50 300	DN80 350	DN50 350	NA	BS 1873	API 598	ASME B 16.5	ASME B 16.10
07	Globe Valve	DN450	DN350	DN350	DN400	DN40 0	NA	ASME B16.34	API 598	ASME B 16.5	ASME B 16.10
08	Check Valve	DN50 900	DN50 900	DN50 900	DN50 600	DN50 	DN50 ~ 300	API 594	API 598	ASME B 16.5 ASME B 16.47	ASME B 16.10

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DET NORSKE VIDETAS TALIA S.A.L. - CENTRO DREESONALE COLLIGNE - PREASON SNOT - VILE COLLIGNE 9 - 2005-4 AGRATE BRIANIA (MB) - ITALY - TT. + 95 009 65 99 905 - WWW.DEVDA.COM/T

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Materials

The materials listed below have been subject to Particular Material Appraisal as required by PED Annex 1 Sec. 4.2b. The documents describe, in a complete and concise manner, the characteristics of the materials and their conformity to the directive No. 97/23/EC.

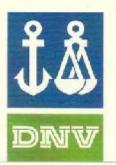
The materials subject to the Particular Material Appraisal may be used in pressure equipment in accordance with directive 97/23/EC and to the conditions as stated in the documents for the respective grades of material qualities.

Title	Rev.	Date
ASTM A216 grade WCB	0	2014-04-10
ASTM A216 grade WCC	0	2014-04-10
ASTM A217 grade C5	0	2014-04-10
ASTM A217 grade C12	0	2014-04-10
ASTM A217 grade WC6	0	2014-04-10
ASTM A217 grade WC9	0	2014-04-10
ASTM A351 grade CF3	0	2014-04-10
ASTM A351 grade CF3M	0	2014-04-10
ASTM A351 grade CF8	0	2014-04-10
ASTM A351 grade CF8M	0	2014-04-10
ASTM A352 grade LCB	0	2014-04-10
ASTM A352 grade LCC	0	2014-04-10
ASTM A352 grade LC3	0	2014-04-10
ASTM A105	0	2014-04-10
ASTM A182 grade F316	0	2014-04-10
ASTM A182 grade F316L	0	2014-04-10
ASTM A350 grade LF2	0	2014-04-10
ASTM A193 grade B7	0	2014-04-10
ASTM A193 grade B8	0	2014-04-10
ASTM A193 grade B8M	0	2014-04-10
ASTM A320 grade L7	0	2014-04-10

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DER NORSKE VIEURAS BRALN S.R.L. - CENTRO DREZERVALE OGLEBORI - PALAZZO SIGO 2 - V.LE CIRLERIN, 9 - 30864 AORATERRANZA (MB) - ERLY - TEL. 439 079.68 95 905 - WWW.DRVBA.COMIT

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Applications/Limitations

- the internals of the valves are excluded from the certificate;
- material of non-harmonized standards must comply with the relevant PMA documents (Particular Material Appraisal) appraised by Det Norske Veritas Italia S.r.I.;
- the valves classified according to Directive 97/23/EC, Article 3.3, must not bear CE marking;
- pressure-temperature rating shall be lesser than body rating and seat rating.

Product Name	Tests			
Gate Valve	According to API 598			
Ball Valve	According to API 6D			
Check Valve	According to API 598			
Globe Valve	According to API 598			
Production Site Name	Address			
Jiangyin Eastern Valve Co., Ltd.	No.80 Longshan Road, Zhouzhuang Town, Jiangyi City, Jiangsu Province, People's Republic of China			

Tests carried out on prototype(s)

Inspection of manufacturing and testing of prototype(s) has been carried out by DNV Certification (China) Co. Ltd, - Shanghai Branch, ref. Assessment Report dated 2013-01-22.

Documents reviewed

Drawing/Document No.	Revision	Date	Title	Status "
JY/CE-01	Rev.4	2014-01-20	Technical Construction File	А

*) A = Approved, AC = Approved with comments, FI = For information

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DETNORME VIETAS TALIA SEL - CENTRO DEEZIMALE COLLEGRI - PALAZZO SILU 2 - V LE COLLEGRI, 9 - 10664 AGRATE ERIANZA (ME) - 17417 - THE. +390598/03 99 505 - WWW DWWA FRANK



Terms and conditions

The certificate is subject to the following terms and conditions:

- in case of damages caused by defective products, Council Directive 85/374/EEC, as amended, will apply;
- the certificate is only valid for the product(s) listed above.

The following may render this certificate invalid:

- changes in the design or construction of the product(s);
- changes or amendments to the referenced directive(s);
- changes or amendments in the standard(s) which form the basis for documenting compliance with the essential requirements of the directive(s).

Conformity declaration and marking of product

This certificate does not give the manufacturer the right to CE mark and put on the market the product(s) listed on this certificate. Only after the product(s) have been found to comply with the requirements in a following Conformity Assessment Module C1, D, E or F, the manufacturer may draw up an EC declaration of conformity and legally affix the CE mark followed by the identification number of the Notified Body involved in these modules.

END OF CERTIFICATE

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid. Der Noteen Viertas Italia 8.r.1 - Ciscus Duescenale Collegon - Palazzo Solo 1 - V. In Collegon 9 - 2000 Agrate Baasza (MS) - Italy - Tit. + 39 456 49 905 - www.pavea.comm

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DNV.GL

PRODUCT SURVEILLANCE CERTIFICATE

Certificate No.: 4483-2014-CE-RGC-ACCREDIA This certificate consists of 4 pages Initial date: 2014-05-08

Valid: 2019.09.25 - 2024.05.08

This is to certify that the final assessment process of

Jiangyin Eastern Valve Co., Ltd.

No.80 Longshan Road, Zhouzhuang Town, Jiangyin City, Jiangsu, P. R. China

has been monitored and found to comply with respect to the conformity assessment procedure described in

ANNEX III MODULE C2 OF DIRECTIVE 2014/68/EU ON PRESSURE EQUIPMENT

The certificate is valid for the following scope:

Type of Pressure Equipment Product Name Pressure Accessories Valves

Place and date: Vimercate 2019-09-26





Nº 003 D Nº 007 M Nº 004 F

lentitro di MLA EA per gli schemi di accretizzenento 60), SGA, FRO, FRS, FSS, GNH, LAB e LAT di MLA DAr er di schemi di accreditamente SGQ, SGA, SSL, FSM, FRD e di MLA IEAE per dli schemi di accreditamente AS, MED, LAT e ISP For the notified body 0496: DNV GL Business Assurance Italia S.r.I.

Nicola Privato Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid. DNV GL Business Assurance Italia S.r.I. Via Energy Park, 14, 20871 Vimercate (MB), Italy. Tel: 039 68 99 905. www.dnvgl.it/businessassurance Certificate No.: 4483-2014-CE-RGC-ACCREDIA Place and date: Vimercate 2019-09-26 Revision No.: 01

Jurisdiction

Application of Directive 2014/68/EU and Decreto Legislativo n. 26 of 15 February 2016

Certificate history

Revision	Description	Issued date	
00	Original certificate	2014-05-14	
01	Re-certification	2019-09-26	

EU-Type examination certificate reference

Certificate No.	Revision No.	Expiry date	Issued by Notified Body No.
4481-2014-CE-RGC-ACCREDIA	00	2024-05-08	0496

Products covered by this certificate

Product name	Product description	Product version	PED Category	Product standard
10	Gate Valve			API 600 ASME B16.34
Valve	Globe Valve	Refer to design data	1, 11, 111	BS 1873 ASME B16.34
	Check Valve		12	API 594
	Ball Valve		1.1	API 6D

Design data

Maximum allowable pressure (PS)	Minimum/m allowable tempe		Fluid	Fluid group
Gate Valve, Check Valve Class 150/Class 300/Class 600 Class900/Class 1500/Class 2500	ASTM A216 Grade WCB ASTM A217 Grade WC6 ASTM A217 Grade WC9 ASTM A217 Grade C12 ASTM A217 Grade C12 ASTM A352 Grade LCC ASTM A352 Grade LCB ASTM A351 Grade CF3 ASTM A351 Grade CF3 ASTM A351 Grade CF8	0 °C / +425 °C 0 °C / +500 °C 0 °C / +525 °C 0 °C / +538 °C -29 °C / +345 °C -29 °C / +345 °C -29 °C / +345 °C 0 °C / +425 °C 0 °C / +425 °C 0 °C / +425 °C	Varies	1, 2

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid. DNV GL Business Assurance Italia S.r.I. Via Energy Park, 14, 20871 Vimercate (MB), Italy. Tel: 039 68 99 905. www.dnvgl.it/businessassurance

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DNV.GL

Certificate No.: 4483-2014-CE-RGC-ACCREDIA Place and date: Vimercate 2019-09-26 Revision No.: 01

ASTM A351 Grade CF8M	0 °C / +425 °C
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Maximum allowable pressure (PS)	Minimum/m allowable tempe		Fluid	Fluid group
Globe Valve Class 150/Class 300/Class 600 Class 900/Class 1500	ASTM A216 Grade WCB ASTM A217 Grade WC6 ASTM A217 Grade WC9 ASTM A217 Grade C12 ASTM A217 Grade C5 ASTM A352 Grade LCC ASTM A352 Grade LCB ASTM A352 Grade LC3 ASTM A351 Grade CF3 ASTM A351 Grade CF3 ASTM A351 Grade CF8 ASTM A351 Grade CF8	0 °C / +425 °C 0 °C / +500 °C 0 °C / +525 °C 0 °C / +538 °C 0 °C / +538 °C -29 °C / +345 °C -29 °C / +345 °C -29 °C / +345 °C 0 °C / +425 °C 0 °C / +425 °C 0 °C / +425 °C	Varies	1, 2
Ball Valve Class 150/Class 300/ Class 600 Class900/ Class 1500/ Class 2500	ASTM A216 Grade WCB ASTM A216 Grade WCC ASTM A352 Grade LCC ASTM A352 Grade LCB ASTM A352 Grade LC3 ASTM A351 Grade CF3 ASTM A351 Grade CF3M ASTM A351 Grade CF8 ASTM A351 Grade CF8M ASTM A351 Grade CF8M ASTM A350 Grade LF2 ASTM A182 Grade F316L ASTM A182 Grade F316	0 °C / +150 °C 0 °C / +150 °C -26 °C / +150 °C -26 °C / +150 °C	Varies	1, 2

Sites covered by this certificate

Site name	Site Address	Monitored by	Date	Report ref
Valve	No.80 Longshan Road, Zhouzhuang Town, Jiangyin City, Jiangsu Province, P. R. China	DNV GL Business Assurance (China) Co.,Ltd.	2019-08-07	Monitoring report

Applications/limitations

- the internals of the valves are excluded from the certificate;
- material of non-harmonized standards must comply with the relevant PMA documents (Particular Material Appraisal) appraised by DNV GL Business Assurance Italia S.r.l.
- the valves classified according to Directive 2014/68/EU, article 4.3, must not bear CE marking;
- pressure-temperature rating shall be lesser than body rating and seat rating.

DNV GL Business Assurance Italia S.r.I. Via Energy Park, 14, 20871 Vimercate (MB), Italy. Tel: 039 68 99 905. www.dnvgl.it/businessassurance

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

DNV.GL

Certificate No.: 4483-2014-CE-RGC-ACCREDIA Place and date: Vimercate 2019-09-26 Revision No.: 01

Documents reviewed

Document No	Rev	Date	Title	Status
JY/CE-01	Rev.4	2014-01-20	Technical Construction File	A for drawing and calculation FI for others

*) A=Approved, FI=For information

Terms and conditions for the certificate

Valid terms and conditions are found in the DNV GL's PED Certification Rules

END OF CERTIFICATE



	Certificate of Authority to use the Official API Monogram License Number: 6D-0427 oRIGINAL	I API Monogram
	The American Petroleum Institute hereby grants to JIANGYIN EASTERN VALVE CO., LTD. 80# Jilongshan Road, Zhouzhuang Town Jiangyin, Jiangsu Province People's Republic of China	
¢	the right to use the Official API Monogram [®] on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1 [®] and API-6D and in accordance with the provisions of the License Agreement.	onditions in the official D
American Petroleum	In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: 6D-0427	used in conjunction with this
Institute	The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute.	use the Official API Monogram titute.
CORPORATE CONTRACT	The scope of this license includes the following: Check Valves, Ball Valves, Gate Valves	/alves
	QMS Exclusions: No Exclusions Identified as Applicable	
Composareo V. C.	Effective Date: JANUARY 14, 2023 Expiration Date: JANUARY 14, 2026	Anchal Liddar
2018-151 Digital	To verify the authenticity of this license, go to www.api.org/compositelist.	Senior Vice President of Global Industry Services

	Certificate of Authority to use the Official API Monogram License Number: 600-0024	nogram original
	The American Petroleum Institute hereby grants to JIANGYIN EASTERN VALVE CO., LTD. 80# Jilongshan Road, Zhouzhuang Town Jiangyin, Jiangsu Province People's Republic of China	
¢	the right to use the Official API Monogram [®] on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec $Q1^{\circ}$ and API-600 and in accordance with the provisions of the License Agreement.	official
American Petroleum	In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number. 600-0024	ction with this
Institute	The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram for any reason satisfactory to the Board of Directors of the American Petroleum Institute. The scope of this license includes the following: Bolted Bonnet Steel Gate Valves	API Monogram
AMERICORPORATE CORPORATE SEAL	QMS Exclusions: No Exclusions Identified as Applicable	
CORPORATED 101	Effective Date: JANUARY 14, 2023 Expiration Date: JANUARY 14, 2026	Anchal Liddar
2018-151 Digital	To verify the authenticity of this license, go to www.api.org/compositelist. Services	oal Industry Services

	Certificate of Authority to use the Official API Monogram License Number: 20A-0029	
	The American Petroleum Institute hereby grants to JIANGYIN EASTERN VALVE CO., LTD. #2 Longdong Road Zhouzhuang Town Jiangyin, Jiangsu People's Republic of China	
	the right to use the Official API Monogram [®] on manufactured products under the conditions in the official publications of the American Petroleum Institute entitled API Spec Q1 [®] and API-20A and in accordance with the provisions of the License Agreement.	tions in the official
American Petroleum Institute	In all cases where the Official API Monogram is applied, the API Monogram shall be used in conjunction with this certificate number: 20A-0029 The American Petroleum Institute reserves the right to revoke this authorization to use the Official API Monogram	ed in conjunction with this the Official API Monogram
PECKOLEUM	The scope of this license includes the following: Group A: Carbon Steels, Group B: Low Alloy Steels, Group C: Stainless Steels Other Than Duplex at 1-499 Weight Class (lb) CSL 1, CSL 2, CSL 3, CSL 4, at 2500-9999 Weight Class (lb) CSL 1, CSL 2, CSL 3, CSL 4, at 2500-9999 Weight Class (lb) CSL 1, CSL 2	e. w Alloy Steels, Group C: CSL 4, at 2500-9999
SEAL STA	QMS Exclusions: Design and Development	
OBACTED TO THE TOTAL OF TOTAL OF THE TOTAL OF	Effective Date: APRIL 8, 2021 Expiration Date: APRIL 8, 2024	Asm Oppuer
2018-151 Digital	To verify the authenticity of this license, go to www.api.org/compositelist.	Vice President of Global Industry Services



MANAGEMENT SYSTEM CERTIFICATE

Certificate No: 0061-2002-AQ-RGC-RvA Initial certification date: 03 November, 2016

Valid: 22 October, 2022 – 22 October, 2025

This is to certify that the management system of

Jiangyin Eastern Valve Co., Ltd.

No.80 Jilongshan Road, Zhouzhuang Town, Jiangyin City, Jiangsu Province, P.R. China and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:

GB/T 19001-2016/ISO 9001:2015

This certificate is valid for the following scope:

Design and Manufacture of Gate Valves, Ball Valves, Globe Valves and Check Valves

Place and date: Shanghai, 16 September, 2022





For the issuing office: DNV - Business Assurance Suite A, Building 9, No.1591 Hongqiao Road, Changning District, Shanghai 200336, P.R. China TEL: +86 21 32799000

Zhu Hai Ming Management Representative

Lack of fulfilment of conditions as set out in the Certification Agroement may render this Certificate invalid.



Certificate No: 0061-2002-AQ-RGC-RvA Place and date: Shanghai, 16 September, 2022

Appendix to Certificate

Jiangyin Eastern Valve Co., Ltd.

Locations included in the certification are as follows:

Site Name	Site Address	Site Scope Manufacture of Gate Valves, Ball Valves, Globe Valves and Check Valves		
Jiangyin Eastern Valve Co., Ltd.	No.80 Jilongshan Road, Zhouzhuang Town, Jiangyin City, Jiangsu Province, P.R. China			
Jiangyin Eastern Valve Co., Ltd.	No.800-1, Yungu Road, Zhouzhuang Town, Jiangyin City, Jiangsu Province, P.R. China	Valve Casting Production Activities for Internal Using		
Jiangyin Eastern Valve Co., Ltd.	No.2 Longdong Road, Zhouzhuang Town, Jiangyin City, Jiangsu Province, P.R. China	Design and Manufacture of Gate Valves, Ball Valves, Globe Valves and Check Valves		



ACCRETO TED 10017 DRV Rusiness Assurance B.V., Znalszweg L. 2814 LD, Extendent I, Vesterlands - TEL +21107102922544, mass dav user analysis of C Page 2 of 2



北京中大华远认证中心

环境管理体系认证证书

证书号: 02020E1507R2M

江阴东方阀门有限公司 (统一社会信用代码: 91320281716834035N)

体 系 适 用 范 围:位于中国江苏省无锡市江阴市周庄镇龙山路 80 号的江阴东方阀门有 限公司的阀门(许可证范围内)的生产的环境管理活动

注册地址:中国江苏省无锡市江阴市周庄镇龙山路 80 号

环境管理体系符合: GB/T 24001-2016/ISO 14001:2015 《环境管理体系 要求及使用指南》

发证日期: 2020 年 11 月 17 日; 有效期至 2023 年 11 月 16 日 初次发证日期: 2014 年 12 月 23 日

注:认证注册范围不包括未获得有效的国家规定的相关行政许可、资质许可的产品/服务范围; 自初审/再认证审核认证决定之日起,每间隔不超过12个月必须接受一次监督审核,并经审核合格证书方为有效。 证书信息可通过国家认监委官方网站(www.cnca.gov.cn)或扫描下方二维码查询。

主 任 签 发





中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C020-M





Beijing ZhongDaHuaYuan Certification Center (B22 Fuchengmenwai Street, Western District, Beijing 100833, China)

Environmental Management System Certification Certificate

No. 02020E1507R2M

Jiangyin Eastern Valve Co., Ltd. (Unified Code Of Social Credit:91320281716834035N)

System scope assessed

The environmental management activities of production of valves (within the scope of the license) of Jiangyin Eastern Valve Co.,Ltd. . It is situated in No.80,Longshan Road,Zhouzhuang Town,Jiangyin City,Wuxi City,Jiangsu Province,P.R.China

Registered address:No.80,Longshan Road,Zhouzhuang Town,Jiangyin City,Wuxi City,Jiangsu Province,P.R.China

Environmental management system is in conformity with

GB/T 24001-2016/ISO 14001:2015 Environmental management systems-Requirements with guidance for use

Issuing date:2020.11.17; Expiration date:2023.11.16 Initial issuing date:2014.12.23

Note: The certification registration scope doesn't include those product / service scopes which fail to be covered by the relevant effective administration permission and qualification permission regulated by the state;

The certified organization must accept the surveillance audit at intervals of no more than 12 months since the date of initial/recertification audit certification decision and certificate is regarded as effective only after the audit is qualified; The certificate information can be obtained in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn) or by scanning the QR code below.

LIUJIANGYI, Director of ZDHY



中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C020-M







北京中大华远认证中心

职业健康安全管理体系认证证书

证书号: 02020S1431R2M

江阴东方阀门有限公司 (统一社会信用代码: 91320281716834035N)

体 系 适 用 范 围:位于中国江苏省无锡市江阴市周庄镇龙山路 80 号的江阴东方阀门有 限公司的阀门(许可证范围内)的生产的职业健康安全管理活动 注 册 地 址 :中国江苏省无锡市江阴市周庄镇龙山路 80 号

职业健康安全管理体系符合: GB/T 45001-2020/ISO 45001:2018 《职业健康安全管理体系 要求及使用指南》

发证日期: 2020年11月17日; 有效期至2023年11月16日 初次发证日期: 2014年12月23日

注: 认证注册范围不包括未获得有效的国家规定的相关行政许可、资质许可的产品/服务范围; 自初审/再认证审核认证决定之日起,每间隔不超过 12 个月必须接受一次监督审核,并经审核合格证书方为有效。 证书信息可通过国家认监委官方网站(www.cnca.gov.cn)或扫描下方二维码查询。

主 任 2n in st 答 发





中国认可 管理体系 MANAGEMENT SYSTEM CNAS C020-M





Beijing ZhongDaHuaYuan Certification Center (B22 Fuchengmenwai Street, Western District, Beijing 100833, China)

Occupational Health and Safety Management System Certification Certificate

No. 02020S1431R2M

- Jiangyin Eastern Valve Co.,Ltd. (Unified Code Of Social Credit:91320281716834035N)

System scope assessed

The occupational health and safety management activities of production of valves (within the scope of the license) of Jiangyin Eastern Valve Co.,Ltd. . It is situated in No.80,Longshan Road,Zhouzhuang Town,Jiangyin City,Wuxi City,Jiangsu Province,P.R.China

Registered address:No.80,Longshan Road,Zhouzhuang Town,Jiangyin City,Wuxi City,Jiangsu Province,P.R.China

Occupational health and safety management system is in conformity with GB/T 45001-2020/ISO 45001:2018 Occupational health and safety management systems-Requirements with guidance for use

Issuing date:2020.11.17; Expiration date:2023.11.16 Initial issuing date:2014.12.23

Note: The certification registration scope doesn't include those product / service scopes which fail to be covered by the relevant effective administration permission and qualification permission regulated by the state;

The certified organization must accept the surveillance audit at intervals of no more than 12 months since the date of initial/recertification audit certification decision and certificate is regarded as effective only after the audit is qualified; The certificate information can be obtained in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn) or by scanning the QR code below.

LIUJIANGYI, Director of ZDHY



中国认可 管理体系 MANAGEMENT SYSTEM CNAS C020-M





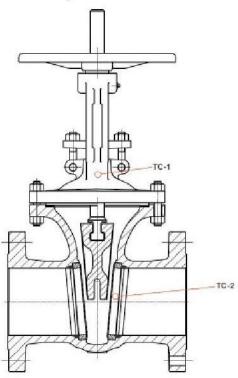




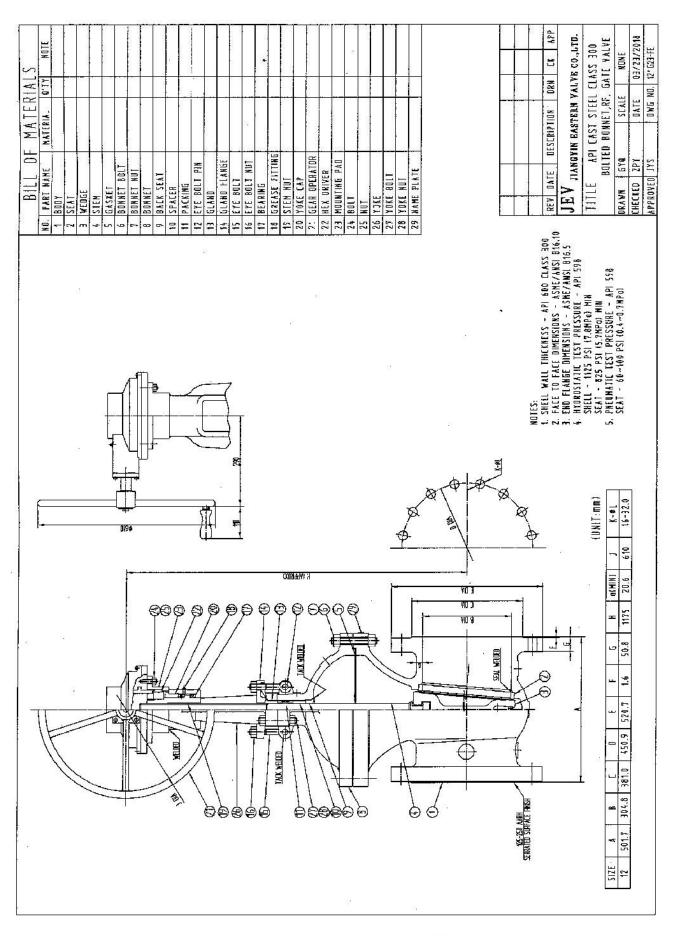
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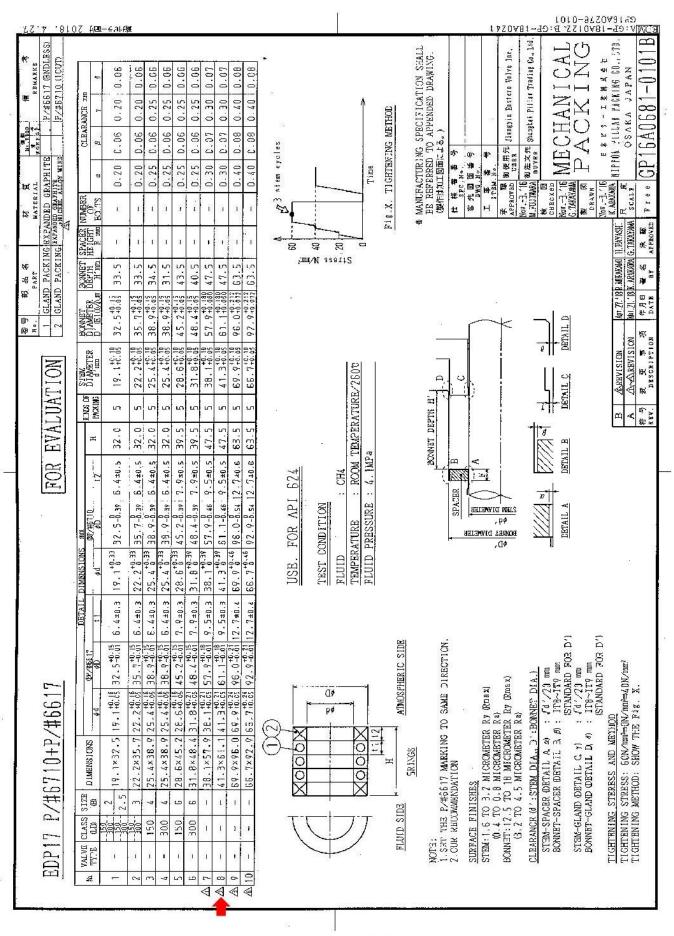
Temperature Locations



NIPPON PILLAR PACKING CO., LTD.



NIPPON PILLAR PACKING CO., LTD.



NIPPON PILLAR PACKING CO., LTD.

Test report No. : ECS-GP-180076

API STANDARD 624 TEST REPORT

Type Testing of Rising Stem Valves Equipped with Graphite Packing for Fugitive Emissions.

This is to certify that the below valve has been tested by PILLAR and found to be satisfactory in accordance with the requirements of API 624 First Edition: 2014.

Brand	: DSI VALVE / FET-JEV
Manufacturer	: JIANGYIN EASTERN VALVE CO., LTD.
Manufacturer Location	: No.80 Longshan Road, Zhouzhang Town Jiangyin, Jiangsu, China

Test Summary Report

Product : API 600 Cast Steel Gate Valve fitted with PILLAR EDP17 API Standard 624 Test

oved 0, 2018 AYAMA	Checked Nov. 30, 2018 G.TAKAYAMA	Drawn Nov. 30, 2018 K.ARAKAWA K. Arakawa			
roved	Checked	Drown			
		sou paranyiliki jin			
	ECS-GP-180076				
	PASS				
ia	$\leq 100 \text{ ppmv}$				
atic/Dynamic)	27 ppmv / 30 ppmv				
atic/Dynamic)	7 ppmv / 13 ppmv				
fechanical Cycles	310 mechanical cycles over 3 thermal cycles up to 260°C (500°F)				
est Temperature	Ambient & 260°C (500°F)				
est Fluid		ethane			
ressure	4.14 MPaG (600 psig)				
prawing number	GP16A0681-0101B No.8				
ightening stress	60(Reciprocate the stem 3 times) $\rightarrow 0 \rightarrow 40 \text{ N/mm}^2$				
lumber of Packing	5 rings				
acking size	φ 41.3 mm × φ 61.1 mm × H47.5 mm				
component	 End Ring P/#6710 : Flexible graphite & externally-reinforced by nickel alloy wire mesh. Middle Ring P/#6617 : Flexible graphite & each middle ring has two lids on its top and bottom surface. 				
acking No.	EDP17 (P/#6	5710 + P/#6617)			
lanufacturer	NIPPON PILLAR	PACKING CO., LTD.			
Prawing number	12"(G23-FE			
nds	Flange				
PI Trim No.					
faterial	A216 WCB				
lass	ASME 300#				
ize	12"				
	lass laterial PI Trim No. nds rawing number lanufacturer acking No. omponent acking size umber of Packing ightening stress rawing number ressure est Fluid est Temperature lechanical Cycles atic/Dynamic) atic/Dynamic)	izeASMlassASMfaterialA21PI Trim No.A21PI Trim No.Trawing numberrawing number12"fanufacturerNIPPON PILLARacking No.EDP17 (P/#cEnd Ring P/#6710 :Flexible graphite & externalmesh.Middle Ring P/#6617 :Flexible graphite & each midbottom surface.acking size ϕ 41.3 mm × ϕ 61umber of Packing5ightening stress60(Reciprocate the stemrawing numberGP16A068ressure4.14 MPaest FluidMeest TemperatureAmbient &fechanical Cycles310 mechanical cycles over 3 thatic/Dynamic)7 ppmvia ≤ 10 PP			

NIPPON PILLAR PACKING CO., LTD.

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Table 1 - Fugitive Emissions Test Report

API STANDARD 624 Fugitive Emissions Testing Report Number: ECS-GP-180076				
Valve Stem Type (check one):	Brand & Manufacturer & Location:			
(✓) Rising	Brand : DSI VALVE / FET-JEV			
() Rising-Rotating	Manufacturer : JIANGYIN EASTERN VALVE CO., LTD.			
	Manufacturer Location : No.80 Longshan Road, Zhouzhang Town			
	Jiangyin, Jiangsu, China			
Packing Description:	Valve Size, Class, & Type:			
Braided Graphite(P/#6710) + Flexible Graphite(P/#6617)	12", Class 300, Gate Valve			
Manufacturer:				
NIPPON PILLAR PACKING CO., LTD.	API/ASME Design Standard(s):			
Model/Type:	API 600 Cast Steel Gate Valve			
EDP17 (P/#6710 + P/#6617)				
Number of rings: 5 rings	Body material: A216 WCB			
OD: 41.3 mm ID: 61.1 mm	Stem material: AISI 410			
Stuffing box depth: 100.7 mm (Spacer height 46.0 mm)	Body-bonnet gasket material: Spiral Wound Metal Graphite			
Stack height: 47.5 mm				
Gland follower exposed length: 24.7 mm				
Gland follower insertion depth: 7.2 mm				
Testing Facility:	Valve Selection (check one):			
NIPPON PILLAR PACKING CO., LTD	(\checkmark) Manufacturer () Distributor () Purchaser			
Technician: Hiroki Hayashi, Kohei Arakawa				
Witness:	Selected by: JIANGYIN EASTERN VALVE CO., LTD.			
Start Date: <u>Nov. 7, 2018</u>	Date Selected:			
Completion Date: <u>Nov. 26, 2018</u>				
Gland nut recommended torque:	Body-bonnet connection:			
182.0 N-m (Reciprocate the stem 3times)- 0- 121.3 N-m	Type: (\checkmark) Bolted () Welded			
Body-bonnet bolting recommended torque: N-m	() Pressure Seal () Other			
Pre-test Preparations & Adjustments :				
Gland nut tightening stress 60 N/mm ² (Reciprocate the stem 3 times) -	$\rightarrow 0 \rightarrow 40 \text{ N/mm}^2$			
182.0 N-m (Reciprocate the stem 3 times) $\rightarrow 0 \rightarrow 121.3$ N-m				
Notes:				

NIPPON PILLAR PACKING CO., LTD.

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Test result [API624 test]

Please see Page5~13 for more information.

It was confirmed that the test maximum leakage was 30 ppmv and greatly less than permission leakage 100 ppmv through the 310 cycle.

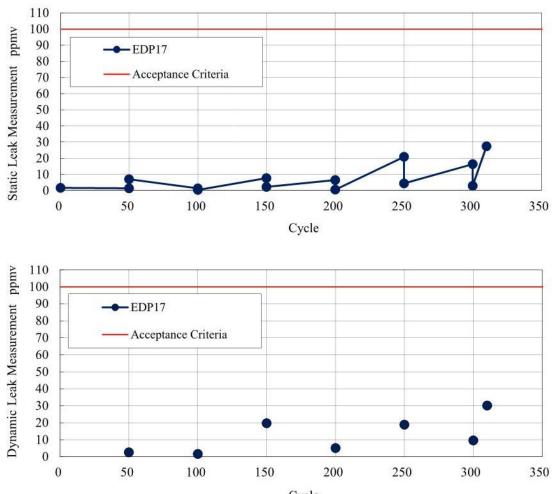
Table 2 -	Leakage	Condition
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		Leakag	e ppmv			
Part number	Tightening stress	Static leakDynamic leakmeasurementmeasurement		Judgment	Remarks	
EDP17 (P/#6710+P/#6617)	60 - 0 - 40 N/mm ² *	0~27	2~30	PASS	Seal properties stable through 310 cycle.	

* Calculate tightening stress based on torque coefficient k = 0.20

Remark: Tightening stress 60(Reciprocate the stem 3 times) - 0 - 40 N/mm²

Table 3 - Emission Measurements



Cycle

NIPPON PILLAR PACKING CO., LTD.

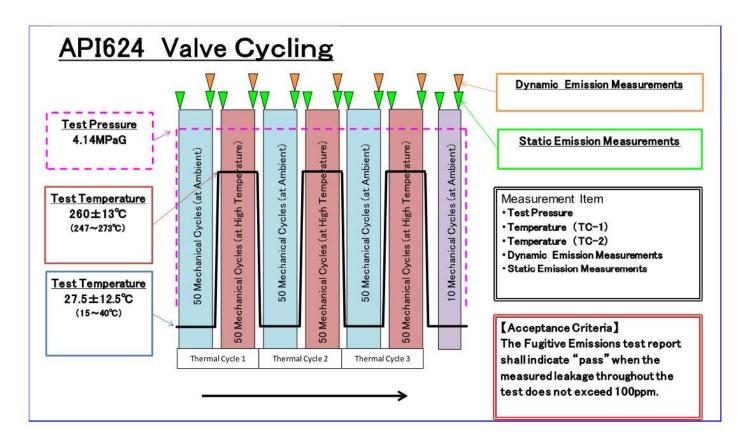
3 of 13

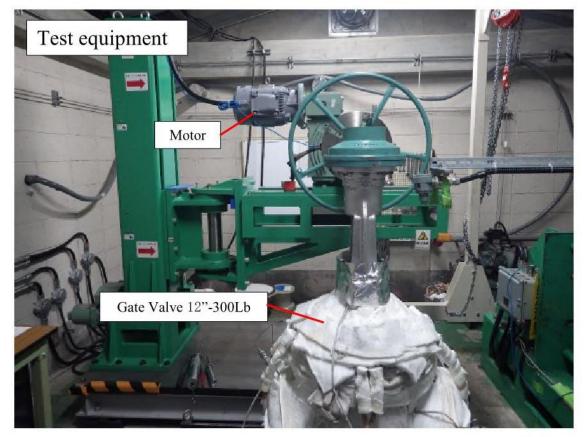
Test Segment	Cycle	Temp. @TC1	Temp. @TC2	Static Leak Measurement	Dynamic Leak Measurement	Other Leak Measurement (specify)
Ambient Temperature 0 to 50 cycles	0	18	18	2	-	
P=4.14MPaG T=27.5±12.5°C	50	21	18	1	3	
Elevated Temperature 51 to 100 cycles	51	259	260	7	-	
P=4.14MPaG T=260±13°C	100	259	260	1	2	
Ambient Temperature 101 to 150 cycles	101	15	15	0	-	
P=4.14MPaG T=27.5±12.5°C	150	19	16	8	20	
Elevated Temperature 151 to 200 cycles P=4.14MPaG T=260±13°C	151	248	256	2	-	
	200	256	259	6	5	
Ambient Temperature 201 to 250 cycles P=4.14MPaG T=27.5±12.5°C	201	15	16	1	-	
	250	18	15	21	19	
Elevated Temperature 251 to 300 cycles P=4.14MPaG T=260±13°C	251	257	258	4	-	
	300	260	261	16	10	
Ambient Temperature 301 to 310 cycles P=4.14MPaG $T=27.5\pm12.5$ °C	301	15	16	3	-	
	310	18	15	27	30	

Table 4 - API 624 Testing Data

Running Torque Value : First Cycle: 9.6 N-m Last Cycle: 13.1 N-m Pass(✓) Fail()

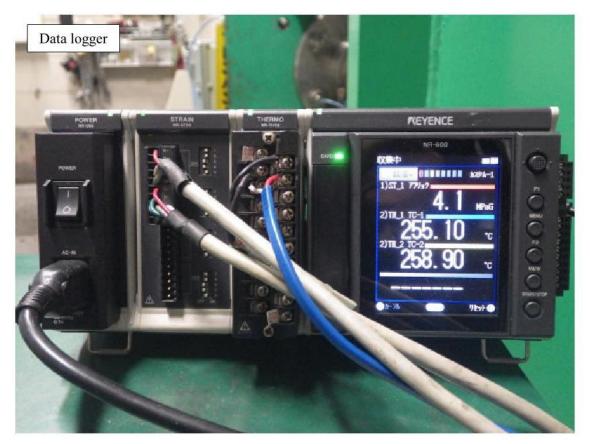
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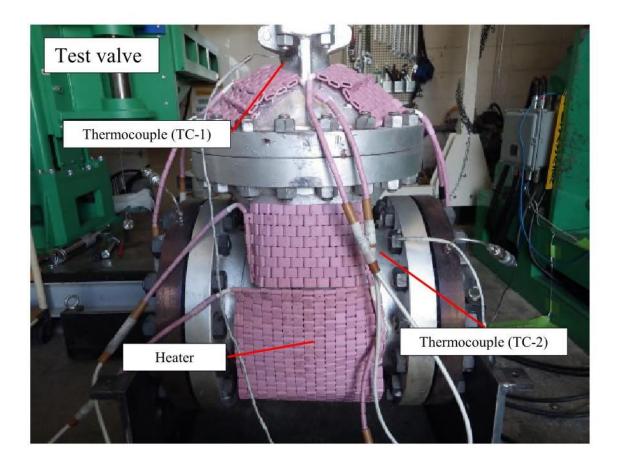


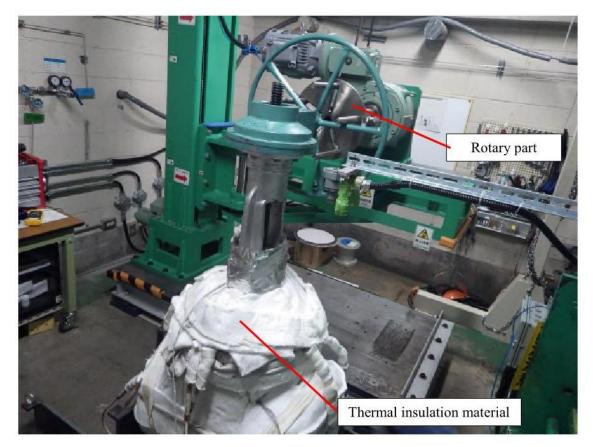
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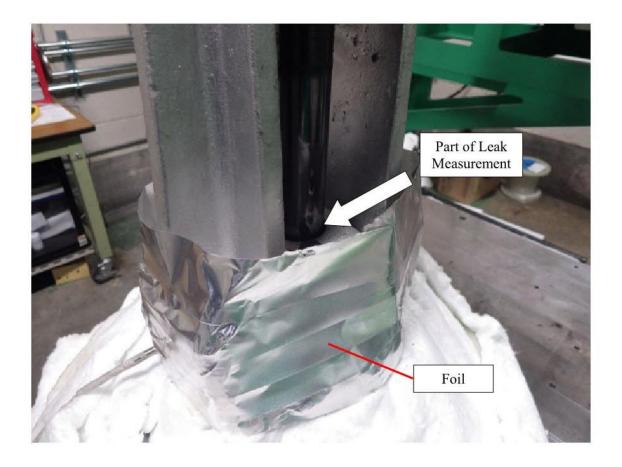


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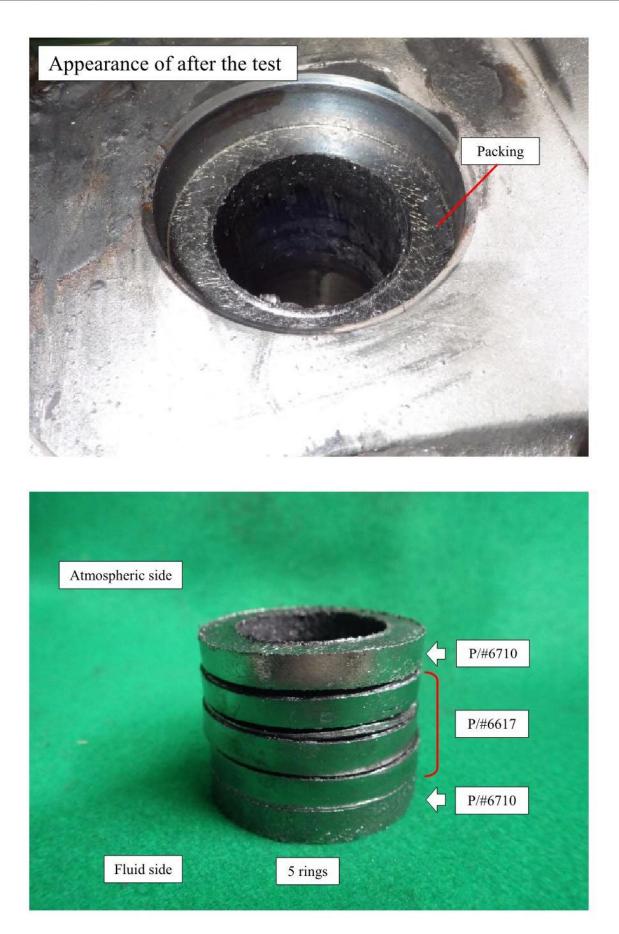




NIPPON PILLAR PACKING CO., LTD.



NIPPON PILLAR PACKING CO., LTD.



NIPPON PILLAR PACKING CO., LTD.

国家市场监督管理总局监制 扫描:"推购技术"时 家企业信用信息公司 系统"「解史多校记、 希案、许可、描答信息。 320281666202112300210 ш 1999年10月22日至2029年10月21 江阴市周庄镇鸡龙山路80号 2021 olr 6809.335万元整 1999年10月22日 靊 ж 杠 市场主体应当于每年1月1日至6月30日通过 国安态地位田库自公示系统强举公示在库据先 ĽЪ 惠 限 * 室 断 朝 资 Ш 串 늵 17 出 戓 旨 生 11 许可项目、特种设备制造、道路货物运输(不含危险货物)(依法须经批准的项目,经相关部门批准后方可开展经营活动,具体经营项目以审批结果为准) 一般项目,差通阀门和旋塞制造(不含特种设备制造),具体经营项目以审批结果为准) 一般项目,普通阀门和旋塞制造(不含特种设备制造),侧门和旋塞研发,阀门和旋塞销售,专用设备制造(不含特种设备制造(不含特种设备制造),机械零件、零部件加工,机械设备销售,银件及粉末冶金制品销售,比一般不好达,技术将广,金属制品制造,银件及粉末冶金制品销售,工程和技术研究和试验发展,技术服务,技术开发、技术符金制品销售,工机械。 截加其术研究和试验发展,技术服务,技术开发、技术符金制品销售,工程和技术研究和试验发展,技术服务,技术符合制品销造,金属结构销售,金属工具制造,金属工具销售,有色金属合金销售,新材料技术研发,货物进出口,技术进出口,进出口代理(除 依法须经批准的项目外,凭营业执照依法自主开展经营活动) ¥ 四田 (自然人投资或控股的法人独资) 徊 征阴东方阀门有限公司 http://www.gsxt.gov.cn 限责任公司 (1/1) 印 承良元 ¥ 91320281716834035N Æ 有 国家企业信用信息公示系统网址:: 言 称 퇲 # 冬 法定代表 范 社 氜 1 经 类 名 统

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