

HENAN SHANGFA VALVE CO., LTD





CONTENTS

- ① Company introduction
- ② Main products
- ③ Customer cooperations

Company introduction



Henan Shangfa Valve Co., Ltd, integrating science, industry and trade, is a modern enterprise specialized in manufacturing valves and related products for 30 years. We insist on making unremitting efforts in R&D of high-tech products and pay more attention to technological innovation. Our aim is leading the whole industry in technology and supply first class quality, high cost performance products and service. Our products have gained widespread praises from domestic and foreign served customers.

The factory passed TS, ECM, ISO9001, ISO14001, OHSAS18001 authentication. We sincerely welcome your visit and cooperation.



Our products are made in different standards and mainly used in water, iron-making, chemical and petroleum industries, covering:

Blast furnace metallurgical valve series: blind plate valve/goggle valve, pressure regulating valve unit, sluice valve, fully enclosed gate valve, fully open gate valve, ventilated dust removal butterfly valve, gas butterfly valve, hot blast valve, cold blast valve, snort valve, discharge valve, ash discharge ball valve, rigid impeller feeder, bleeding valve, exhaust gas valve, explosion relief valve;

Blast furnace related products: mud gun, tap hole drill machine, compact stock rod, double groove rope wheel, skip, skip hoist, stopper, air inlet device/ blasting device, hydraulic station, pig casting machine;

Slag system valve series: wear-resistant eccentric semi-ball valve, triple eccentric rotary ball valve, completely metal seated butterfly valve;

Desulfurization and denitrification flue Gas treatment system: fluorine-lined valve, ceramic lined valve, square flue gas flapper valve, pneumatic flashboard valve;

Water supply and drainage valve series: metal seated butterfly valve, rubber seated butterfly valve, wafer butterfly valve, flanged butterfly valve, silt prevention butterfly valve, slow closed check valve, eccentric half-ball valve, multifunction water control valve, gate valve, knife gate valve, expansion joint, force transfer joint, pipe expansion joint, strainers;

Oil production and drilling system: DEMCO series interchangeable butterfly valves, mud gate valves.

Turnkey Project and complete set of equipment matching and Service: Intelligent lubrication system; Static seal ring cooler, Vertical cooling kiln, Maerz lime kiln. etc



统一社会信用代码
9141010055690382X6

营业执照

(副本) 1-1

扫描二维码登录“国家企业信用信息公示系统”了解更多登记、备案、许可、监管信息。

名称 河南上阀阀门股份有限公司

类型 股份有限公司(非上市)

法定代表人 于红艳

注册资本 壹亿贰仟万圆整

成立日期 2010年06月03日

营业期限 长期

住所 郑州市二七区淮南街22号院19号楼东1单元11层南1号

经营范围 阀门的生产、租赁、销售、安装、维修；阀门产品的技术开发、技术服务；销售：管道配套产品、机械设备、五金交电、钢材、建筑材料、自动化产品；货物或技术进出口（国家禁止或涉及行政审批的货物和技术进出口除外）。（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）

2021年03月18日

登记机关

国家企业信用信息公示系统网址: <http://www.gsxt.gov.cn>

国家市场监督管理总局监制

第 11698133 号

商标注册证

HSFM

核定使用商品(第6类)

金属喷头；中央供暖装置用金属管道；管道用金属弯头；金属排水管；金属管；管道用金属接头；金属阀门（非机器零件）；金属排水阱（阀）；金属水管阀；通风和空调设备用金属管（截止）

注册人 河南上阀阀门股份有限公司

注册地址 河南省郑州市二七区淮南街22号院19号楼东1单元11层南1号

注册有效期限 自公元 2014年04月07日 至 2024年04月06日

局长签发 许瑞表

BEIJING HANGXIE CERTIFICATION CENTER CO.,LTD.

QUALITY MANAGEMENT SYSTEM CERTIFICATION

HeNan Shangfa Valve Co.,Ltd.

Registration No : 03421Q50922R1S

Organization Code: 9141010055690382X6

Registration Address: South 1, 11th floor, East of unit 1, Building 19, No.22 Huaman street, 27 District, Zhengzhou, Henan Province, China P.C 450041

Audition Address: South of Jinhua Road Shangjie district,Zhengzhou city, Henan Province, China P.C 450041

In conformity with: GB/T19001-2016 idt ISO9001:2015

Certification scope: Sales of Butterfly Valve, Semi-ball Valve, Gate Valve, Check Valvand check valve within the scope of online qualification

Issue Date: Jul 02,2021 Expiry Date: Jul 15,2024

First Issue Date: Jul 17,2018


中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C034-M

General Manager:

BEIJING HANGXIE CERTIFICATION CENTER CO.,LTD.

After this certificate is issued, there should be at least 2 surveillance audits within the 2 year period of validity, the current validity of the certificate can be checked on www.cnca.com.cn. The certificate information is available on the official website of the National Certification and Accreditation Administration. (www.cnca.gov.cn). It is also available by scanning the two-dimensional code at the bottom right corner.



Address : NO.7 Jingshun Road,Chaoyang District,Beijing,China.



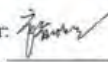
BEIJING HANGXIE CERTIFICATION CENTER CO.,LTD.
ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATION

HeNan Shangfa Valve Co.,Ltd.

Registration No : 03421E30392R1S
Organization Code: 9141010055690382X6
Registration Address: South 1, 11th floor, East of unit 1, Building 19, No.22 Huaman street, 27 District, Zhengzhou, Henan Province, China P.C 450041
Audition Address: South of Jinhua Road, Shangjie district, Zhengzhou city, Henan Province, China P.C 450041
In conformity with : **GB/T 24001-2016 idt ISO14001:2015**
Certification scope: **Sales of Butterfly Valve, Semi-ball Valve, Gate Valve, Check Valvand check valve within the scope of online qualification and Relvant Environment Management Activities**
Issue Date: Jul 02,2021 Expiry Date: Jul 15,2024
First Issue Date: Jul 17,2018



中国认可
国际互认
管理体系
MANAGEMENT SYSTEM
CNAS C034-M

General Manager: 

BEIJING HANGXIE
CERTIFICATION CENTER CO.,LTD.

After this certificate is issued, there should be at least 2 surveillance audits within the 3 year period of validity; the current validity of the certificate can be checked on (www.bhac.com.cn). The certificate information is available on the official website of the National Certification and Accreditation Administration (www.cnca.gov.cn). It is also available by scanning the two-dimensional code at the bottom right corner.

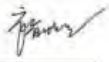
Address : NO.7 Jingshun Road,Chaoyang District,Beijing,China.





BEIJING HANGXIE CERTIFICATION CENTER CO.,LTD.
OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM CERTIFICATION

HeNan Shangfa Valve Co.,Ltd.

Registration No : 03421S20340R1S
Organization Code: 9141010055690382X6
Registration Address: South 1, 11th floor, East of unit 1, Building 19, No.22 Huaman street, 27 District, Zhengzhou, Henan Province, China P.C 450041
Audition Address: South of Jinhua Road, Shangjie district, Zhengzhou city, Henan Province, China P.C 450041
In conformity with : **GB/T 45001-2020 idt ISO45001:2018**
Certification scope: **Sales of Butterfly Valve, Semi-ball Valve, Gate Valve, Check Valvand check valve within the scope of online qualification and Safety Management Activities**
Issue Date: Jul 02,2021 Expiry Date: Jul 15,2024
First Issue Date: Jul 17,2018

General Manager: 




中国认可
管理体系
MANAGEMENT SYSTEM
CNAS C034-M

BEIJING HANGXIE
CERTIFICATION CENTER CO.,LTD.

After this certificate is issued, there should be at least 2 surveillance audits within the 3 year period of validity; the current validity of the certificate can be checked on (www.bhac.com.cn). The certificate information is available on the official website of the National Certification and Accreditation Administration (www.cnca.gov.cn). It is also available by scanning the two-dimensional code at the bottom right corner.

Address : NO.7 Jingshun Road,Chaoyang District,Beijing,China.



NO: DH2018-358




CREDIT GRADE CERTIFICATE

Henan Shangfa Valve Co.,Ltd
The review meets the requirements of the GB/T22116-2008 credit assessment system standard

AAA GRADE

Archives inquires : China enterprise credit nets www.11315gov.cn

Rating agencies : 
Dahua International Crediting Co.,Ltd
Issue date : 2018-7-18

Technical guidance : 
China enterprise credit evaluation center limited
Validity to : 2020-7-17

Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

Form QAT_10-M04, version 00, effective since March 6th, 2020

Certificate of Compliance



No. 1N200320.HSVUW43

Certificate's Holder: HENAN SHANGFA VALVE CO., LTD.
No22 Huainan Street, ErQi District, Zhengzhou City, Henan Province, China

Certification ECM Mark:



Product: Gate Valve, Ball Valve, Butterfly Valve
Model(s): Gate Valve: Z40, Z41
Ball Valve: Q41, Q47
Butterfly Valve: D41, D43
(see the following annex)

Verification to: QA Module:
Module H

related to CE Directive(s):
2014/68/EU (Pressure Equipment)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:



The manufacturer is responsible for the CE Marking process. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecerma.it

Issuance date: 20 March 2020

Expiry date: 19 March 2025

Reviewer
Technical expert
Amanda Payne



Approver
ECM Service Director
Luca Bedonni



Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

Form QAT_10-M04, version 00, effective since March 6th, 2020

Annex I



No. 1N200320.HSVUW43

Description:

Has implemented and is maintaining a certified quality assurance system which has undergone a specific assessment for materials.

For applications covered by Directive 2014/68/EU on Pressure Equipment, and is found to comply with Annex 1, section 4.3, for acceptance of Type 3.1 Material certificates according to EN 10204:2004.

Product's material is stainless steel or carbon steel.
See following specifications:

No.	Product	Nominal Diameter	Pressure Range
1	Flange	DN15-DN2000	PN10, PN16, PN25, PN40, PN64, PN100, PN150, PN250
		1/2"-80"	Class150, Class300, Class600, Class900, class1500
2	Pipe	DN15-DN2000	SCH 5S --- SCH160 & XXS
3	fitting	DN15-DN2000	SCH 5S --- SCH 160
		1/2"-80"	



Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

SIL

Functional Safety Certificate



No. 1N200320.HSVUW44

Certificate's Holder: HENAN SHANGFA VALVE CO., LTD.
No22 Huainan Street, ErQi District, Zhengzhou City, Henan Province, China

Product: Gate Valve, Ball Valve, Butterfly Valve
Model(s): Gate Valve: Z40, Z41
Ball Valve: Q41, Q47
Butterfly Valve: D41, D43

Standard: Has been assessed per the relevant requirements of:
IEC 61508:2010 Parts 1-7
And meets requirements providing a level of integrity Iα:
Systematic Capability: SC 3 (SIL3 Capable)
Random Capability: Type A Element
SIL 2 @ HFT= 0; SIL 3 @ HFT=1; Route 2;
PFD_{avg} and Architecture Constraints must be verified each application.

* Safety Function:
Gate valve: opening and closing parts (gate) driven by the stem, along the valve seat (sealing surface) for a straight-line movement of the valve.
Ball valve: opening and closing parts (ball) driven by the stem, and around the axis of the stem as a rotary movement of the valve.
Butterfly valve: opening and closing parts (disc) driven by the stem, and around the axis of the stem for the rotation of the movement of the valve.

* Application Restrictions:
The unit must be properly designed into a Safety Instrumented Function per the Safety Manual requirements.

* Is suitable to safety function according to the description and the configuration defined in Annex I.

Verification Mark:



The Verification Mark can be affixed on the product. It is NOT permitted to alter the Verification Mark in any way

Remark: This SIL Verification of Compliance has been issued on a voluntary basis. ECM confirms that a Test Report is existent for the above listed product(s) and found to meet the requirements of above standards for application in safety related system up to Safety Level of SIL 3.
The unit must be properly designed into a Safety Instrumented Function as per the requirements in the Safety Manual. The Verification Mark shown above can be affixed on the product. It is NOT permitted to alter the Verification Mark in any way. In addition the Verification's Holder is NOT allowed to transfer the Verification to third parties. This certificate can be checked for validity at www.entecerma.it

Date of issue 20 March 2020

Service Manager
Luca Bedonni



Expiry date 19 March 2025

Deputy Manager
Amanda Payne



Annex I

No. 1N200320.HSVUW44



1. The use of the product [Valve] must obey the required rules to conservation of SIL 3 properties, these rules are recalled in the §6 of the Assessment Report reference: [SIL Capability assessment report].

2. The product version of hardware components used for validation and type tests are the following:

No.	Product name	Product model
1	Gate Valve	Z40 Z41
2	Ball Valve	Q41 Q47
3	Butterfly Valve	D41 D43

3. Acceptable environmental constraints for the system are stated in the safety manual. These elements must be checked for each integration of the product.

4. The SIL 3 capable certified Safety Instrumented Function [Valve] of product is the following:

- SF1: To Close on demand.
- SF2: To Open on demand.

5. Hypothesis used for calculations are presented here under: The mode of operation is Low demand, which means less than 1 trip demand each year;

Component architecture	Safety function	Test intervals	MTR	Failure rate	Undetected dangerous failure rate	PDF	SIL Capability
Loop1 configuration	SF1	1 year	24h	1.93E-06	1.93E-06	8.45E-03	SIL2
Loop1 configuration	SF2	1 year	24h	3.75E-07	1.28E-07	5.67E-04	SIL3

6. The Safely Integrated Level of the safety function using the product shall be calculated taking into account the characteristics of the whole system.



Ente Certificazione Macchine

Via Ca' Bella, 243 - 40053 Valsamoggia Loc. Castello di Serravalle (Bo) Italy
+39.0516705141 +39.0516705156 info@entecerma.it www.entecerma.it

Certificate of Compliance

No. 1N200320.HSVUW45



Certificate's Holder:

HENAN SHANGFA VALVE CO., LTD.
No.22 Huainan Street, ErQi District, Zhengzhou City,
Henan Province, China

Certification ECM Mark:



Product Model(s):

Butterfly Valve
Description of Test Valve:
Type Designation of tested Valve(s): 150 Class 8"
Description of Test Valve: Butterfly Valve
Nominal Size(s): 8"
Pressure rating (ANSI Class): 150
Valve Body/Bonnet Material: ASTM A216 WCB

Verification to:

Standard:
API 607
Qualified Range of Test Valve:
Qualified Pressure Rating (Class): 150, 300
Qualified Sizes (NPS): ≥8"
Qualified Marking: Qualified valves shall be permanently marked: 607
(the technical data of test valve see back of this certificate Annex I)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the ECM regulation about its release and its use. The regulation can be found at www.entecerma.it. This Certificate of Compliance can be checked for validity at www.entecerma.it. This verification doesn't imply assessment of the production of the product(s).

Date of issue 20 March 2020

Expiry date 19 March 2025

Service Manager
Luca Bedonni



Deputy Manager
Amanda Payne



Ente Certificazione Macchine Srl

Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) - ITALY
+39 051 6705141 +39 051 6705156 info@entecerma.it www.entecerma.it

Annex I

No. 1N200320.HSVUW45



Technical Data Form

Type of Test Valve:	150 Class 8" Butterfly Valve
Description of Test Valve:	
Details of Valve:	
Part Name \ Valve Size	8"
Body	ASTM A216 WCB
Disc	ASTM A216 WCB
Stem	ASTM A276 13Cr
Seat	PTFE
Stem Packing	PTFE
Body Gasket	304+ Flexible Graphite
Body Bolt	ASTM B7
Nut	ASTM 2H
Design Drawing No.:	8" D41F-150LB WCB



Ente Certificazione Macchine Srl

Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) - ITALY
+39 051 6705141 +39 051 6705156 info@entecerma.it www.entecerma.it

Annex I

No. 1N200320.HSVUW47



Technical Data Form	
Type of Test Valve:	150 Class 2" Gate Valve
Description of Test Valve:	
Details of Valve:	
Part Name \ Valve Size	2"
Body	ASTM A216 WCB
Disc	ASTM A105+STL
Stem	ASTM A276 13Cr
Seat	ASTM A216 WCB+STL
Stem Packing	Flexible Graphite
Body Gasket	304+ Flexible Graphite
Body Bolt	ASTM B7
Nut	ASTM 2H
Design Drawing No.:	2" Z40H-150LB WCB



Ente Certificazione Macchine Srl

Via Ca' Bella, 243 - Loc. Castello di Serravalle - 40053 Valsamoggia (BO) - ITALY
☎ +39 051 6705141 ☎ +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it

证书号第6411226号



实用新型专利证书

实用新型名称: 带引出管的三偏心旋球蝶阀

发明人: 于田; 王洲萍

专利号: ZL 2017 2 0082327.7

专利申请日: 2017年01月20日

专利权人: 河南上阀阀门股份有限公司

授权公告日: 2017年08月22日

本实用新型经过本局依照中华人民共和国专利法进行初步审查, 决定授予专利权, 颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年, 自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年01月20日前缴纳。未按照规定缴纳年费的, 专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。



局长
申长雨

申长雨



第1页(共1页)

证书号第6411229号



实用新型专利证书

实用新型名称: 三段缓闭消音止回阀

发明人: 于田; 王洲萍

专利号: ZL 2017 2 0086441.7

专利申请日: 2017年01月20日

专利权人: 河南上阀阀门股份有限公司

授权公告日: 2017年08月22日

本实用新型经过本局依照中华人民共和国专利法进行初步审查, 决定授予专利权, 颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年, 自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年01月20日前缴纳。未按照规定缴纳年费的, 专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。



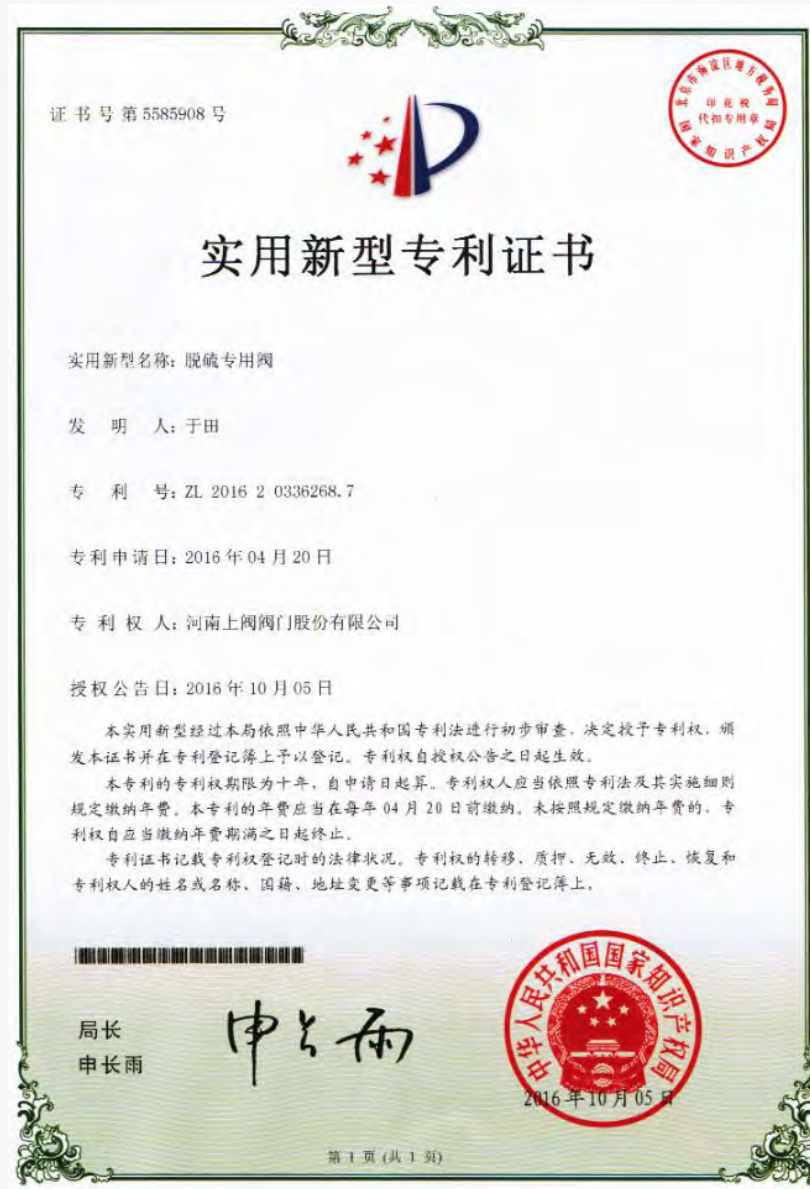
局长
申长雨

申长雨



第1页(共1页)







证书号第 6409501 号




实用新型专利证书

实用新型名称：一种双向瓦斯蝶阀

发明人：于田;赵演

专利号：ZL 2017 2 0088645.4

专利申请日：2017年01月20日

专利权人：河南上阀阀门股份有限公司

授权公告日：2017年08月22日

本实用新型经过本局依照中华人民共和国专利法进行初步审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年01月20日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨




2017年08月22日

第 1 页 (共 1 页)

出入境检验检疫报检企业备案表

编号：17091111102800000253
备案类别：自理企业
备案号码：4100607195

企业名称	中文	河南上阀阀门股份有限公司	
	英文	HeNan ShangFa Valve Co.,Ltd	
住 所	郑州市二七区淮南街22号院19号楼东1单元11层南1号		
经营场所	郑州市二七区淮南街22号院19号楼东1单元11层南1号		
企业性质	私营企业	企业类别	有自营权的生产企业
营业执照号	9141010055690382X6	统一社会信用代码(组织机构代码)	55690382X
开户银行	工行郑州财富广场支行	银行账号	1702029309200353841
法定代表人/负责人	于红艳	有效证件号	
联系人		联系电话	
传 真		电子邮箱	

快件运营企业备案还须填写以下内容

快递业务经营许可证号		经营范围	
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报检专用章印模：(使用报检专用章的需提供。另附页)
填表前请认真阅读背面的条款，并由企业法定代表人/负责人签字、盖章。



2017年09月13日

对外贸易经营者备案登记表

备案登记表编号：03007280
统一社会信用代码：9141010055690382X6
进出口企业代码：-----

经营者中文名称	河南上阀阀门股份有限公司		
经营者英文名称	HeNan ShangFa Valve Co.,Ltd		
组织机构代码	-----	经营者类型(由备案登记机关填写)	股份有限公司
住 所	郑州市二七区淮南街22号院19号楼东1单元11层南1号		
经营场所(中文)	郑州市二七区淮南街22号院19号楼东1单元11层南1号		
经营场所(英文)	Erqi District Huainan Street, No. 22, Building 19, Unit 1, 11th Floor, East South 1		
联系电话	0371-68133919	联系传真	0371-68133256
邮政编码	450006	电子邮箱	13703820603@139.com
工商登记注册日期	2010-6-3	工商登记注册号	-----

依法办理工商登记的企业还须填写以下内容


企业法定代表人姓名	于红艳	有效证件号	341602197808168145
注册资金	壹亿零壹拾万元		(折美元)

依法办理工商登记的外国(地区)企业或个体工商户(独资经营者)还须填写以下内容

企业法定代表人/个体工商户负责人姓名		有效证件号	
企业资产/个人财产			(折美元)

备注

填表前请认真阅读背面的条款，并由企业法定代表人或个体工商户负责人签字、盖章。



2017年08月25日

Main products

Rubber seated central lined butterfly valves



Model: D3/6/971X-6/10/16 Suitable temperature: -20°C-200°C
DN: DN50-DN2000 Suitable medium: Drinking water, sewage

Main products

DEMCO interchangeable valves



BFV: NE-C/D/I/F 200/285PSI DN: 2" -24"
Suitable temperature: -20°C-200°C
Suitable medium: Oil based mud, fracturing fluid

Mud gate valves: 2" -5"
Pressure: 3000psi, 5000psi, 7500psi
Temperature: up to 400 °F.

Main products

Double eccentric rubber seated flange BFV



Design standard: ISO 10631,
Face to face length: ISO5752
S13/S14, Connecting flange: GOST
33259, GOST12815,
ISO 7005 PN6/10/16/25/40
Test standard: ISO 5208



Design standard: API609,
Face to face length: API609,
Connecting flange: ANSI
B16.5/B16.47
Test standard: API598



Design standard: DIN3354,
Face to face length: DIN3202 F16/F4,
Connecting flange: DIN2532, DIN2533,
DIN2501 PN6/10/16/25/40
Test standard: DIN3230

Bi-direction, dual eccentric, zero Leakage. Internally and externally coated with fusion bonded epoxy coating, thickness Min. min250m or liquid epoxy painting.

Model: D3/6/941X-10/16/25/40/CL150
DN: 50-3000

Suitable temperature: -20°C-200°C
Suitable medium: Drinking water, sewage

Main products

Double eccentric rubber seated flange BFV



Design standard: EN593,
Face to face length: EN558 S13/S14,
Connecting flange: EN1092-1/2
PN6/10/16/25/40
Test standard: EN12266-1



Design standard: EN593, BS5155,
Face to face length: EN558,
BS2080 S13/S14, Connecting
flange: EN1092-1/2, BS4504,
BS1560 PN6/10/16/25/40 Test
standard: EN12266-1, BS5146



Design standard: EN593/ AS4795,
Face to face length: ISO5752/EN558
S13/S14,
Connecting flange: AS4087/AS2129
PN6/10/16/25/40
Test standard: AS4795

Bi-direction, dual eccentric, zero Leakage. Internally and externally coated with fusion bonded epoxy coating, thickness Min. min250m or liquid epoxy painting.

Model: D3/6/941X-10/16/25/40/CL150
DN: 50-3000

Suitable temperature: -20°C-200°C
Suitable medium: Drinking water, sewage

Main products

Double Eccentric rubber seated flange BFV



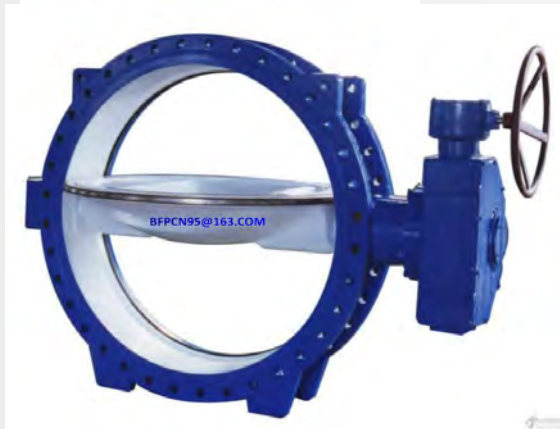
Model: D3/6/941X-10/16/25/40/CL150
DN: 50-3000

Suitable temperature: -20°C-200°C
Suitable medium: Drinking water, sewage

Main products

Metal seated flange butterfly valves

ISO GB EU GOST DIN IS BS AS



Model: D3/6/941H-10/16/25/40/CL150
DN: 50-3000

Suitable temperature: -20°C-425°C
Suitable medium: Drinking water, sewage, sandy water

Main products

Metal seated flange butterfly valves



Structure:
Double/Triple eccentric

Seat:
replaceable/welded

Sealing:
SS+SS,
complete SS+SS,
SS+multi-layer SS,
ball face SS+ball face SS,

Connection:
Flange type
welded type

Model: D3/6/941H-10/16/25/40/CL150
DN: 50-3000

Suitable temperature: -20°C-425°C
Suitable medium: Drinking water, sewage, sandy water

Hydraulic blind plate valve / Goggle valve



Model: F743CX-2.5

DN: DN50-DN2000

PN: 0.05-0.25Mpa

Suitable temperature: 120°C, 200°C, 300°C

Suitable medium: gas and Toxic, harmful, flammable gases

Features:

- ◆ Rubber sealing ring embedded on valve plate
- ◆ High temperature resistance
- ◆ Perfect sealing performance
- ◆ Convenient replacement
- ◆ Long service life.

Operation methods:

- ◆ Manual
- ◆ Worm gear
- ◆ Hydraulic
- ◆ Electric
- ◆ Electric push rod
- ◆ Automatic
- ◆ Electro-hydraulic



Electric blind plate valve / Goggle valve



- ◆ Normally can be manually operated.
- ◆ can be remotely controlled by a single unit or by multiple networked units.



Model: F943CX-2.5
DN: DN300-DN2000
PN: 0.05-0.25Mpa

Suitable temperature: 120°C, 200°C, 300°C
Suitable medium: gas and Toxic, harmful, flammable gases

Electric blind plate valve / Goggle valve

Electro-hydraulic blind plate valve / Goggle valve



Model: F943CX-2.5
DN: DN300-DN2000
PN: 0.05-0.25Mpa
Suitable temperature: 120°C, 200°C, 300°C
Suitable medium: gas and Toxic, harmful, flammable gases

Model: F243CX-2.5
DN: DN300-DN2000
PN: 0.05-0.25Mpa

Pneumatic blind plate valve / Goggle valve



Model: F643CX-2.5
DN: DN50-DN1000
PN: 0.05-0.25Mpa



Suitable temperature: -20°C-120°C, 200°C, 300°C 450°C
Suitable medium: gas and Toxic, harmful, flammable gases

Pneumatic blind plate valve / Goggle valve



Model: F643CX-2.5
DN: DN50-DN1000
PN: 0.05-0.25Mpa



Suitable temperature: -20°C-120°C, 200°C, 300°C
Suitable medium: gas and Toxic, harmful, flammable gases

Manual sector blind plate valve / Goggle valve



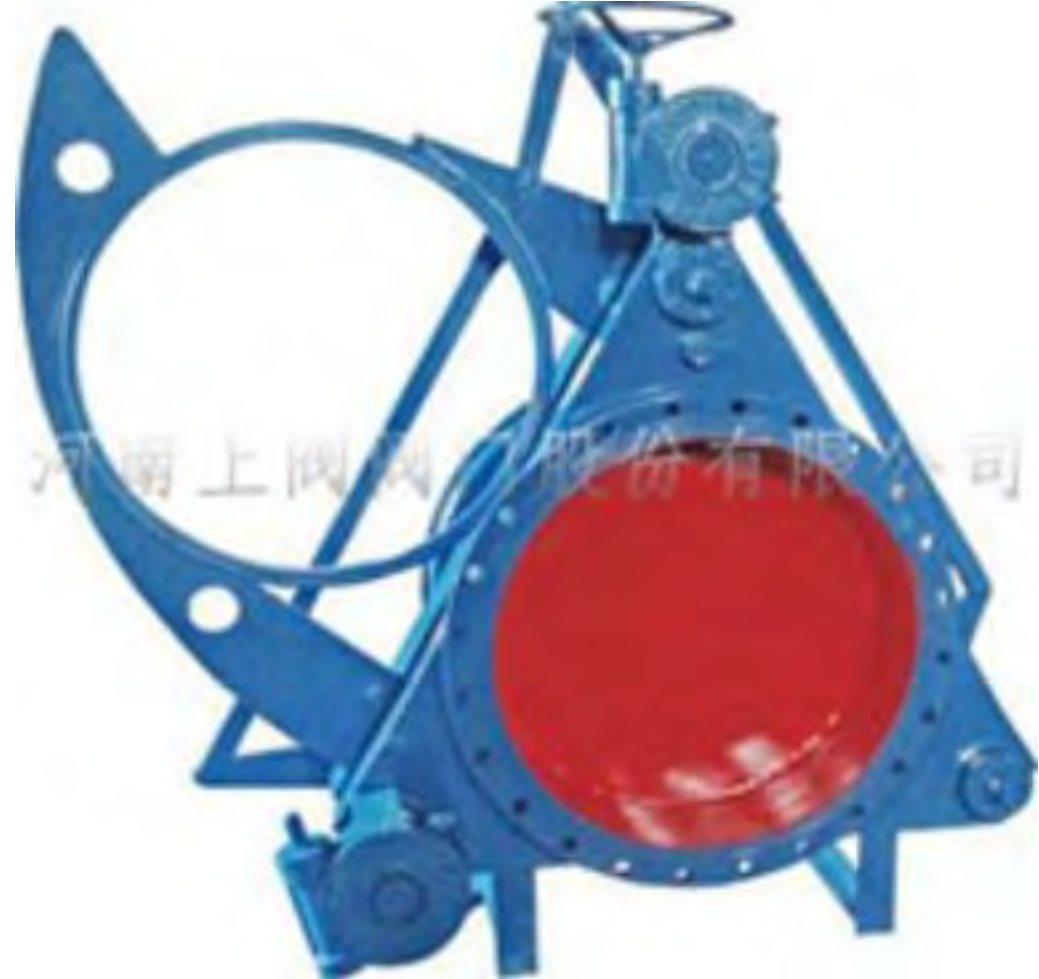
Model: F43X-2.5 F43AX-0.5 1.5 2.5 2.5 (short)
DN: DN50-DN1400
PN: 0.05-0.25Mpa

Model: F43CX-0.5 1.5 2.5 (long)
Suitable temperature: 120°C, 200°C, 300°C
Suitable medium: gas and Toxic, harmful, flammable gases

Worm gear operated fan blind plate valve / Goggle valve



Model: F343CX-2.5
DN: DN200-DN2000
PN: 0.05-0.25Mpa



Suitable temperature: 120°C, 200°C, 300°C
Suitable medium: gas and Toxic, harmful, flammable gases

Open type flashboard valve / Goggle valve



Features:

- ◆ open design frame structure, light weight, easy maintenance (not affect normal operation of valve).
- ◆ Valve movement process and switching state is intuitively good. Open and close status after operation is very convenient to check .
- ◆ SS+rubber, reliable sealing, long service life.
- ◆ Spring clamping mechanism has good synchronicity.
- ◆ Sealing ring installed on the valve plate for easy replacement.
- ◆ Water cooling mechanism, temperature to 450°C, suitable for dry dedusting system.
- ◆ Adopting more driving methods, hydraulic and electric driving can achieve computer program control.

Model: KF2/6/7/941X H-0.2/1.0/1.5/2.5
DN: DN400-DN2800
PN: 0.05-0.25Mpa

Suitable temperature: -20°C-120°C, 200°C, 300°C 450°C
Suitable medium: gas and Toxic, harmful, flammable gases

Open type flashboard valve / Goggle valve



- ◆ Open type electric gate valve adopts floating valve plate. The compression mechanism adopts gear ring, gear, trapezoidal thread, lever screw pair and synchronous bidirectional compression. The advantages of synchronous compression of left and right trapezoidal thread rods are: small starting torque , good self-searching of lever screw pair, reliable sealing. Plate movement adopts pin tooth drive mechanism: ash not easy to accumulated and can satisfy usage under sever working conditions of more dust and worse lubrication.

- ◆ Explosion-proof control cabinet to realize field control and remote PLC system connection control with distance more than 10 meters.

- ◆ Reasonable and simple structure, easy manufacture, lower cost and good performance. Enjoying advantages of no blocking, no leakage, convenient repair and maintenance, good accuracy of discharge quantity, high working efficiency, long service life.

Model: KF941X H-0.2/1.0/1.5/2.5
DN: DN400-DN2800
PN: 0.05-0.25Mpa

Suitable temperature: -20°C-120°C, 200°C, 300°C 450°C
Suitable medium: gas and Toxic, harmful, flammable gases

Fully enclosed flashboard valve / Goggle valve



Model: FF2/6/7/941X H-0.2/1.0/1.5/2.5
DN: DN400-DN2800
PN: 0.05-0.25Mpa



Fully enclosed body design structure: no leakage during operation, no environmental pollution, better strength of resisting external force of the pipeline, easy maintenance and inspection, safe personnel close operation

Suitable temperature: -20°C-120°C, 200°C, 300°C 450°C
Suitable medium: gas and Toxic, harmful, flammable gases

Fully enclosed flashboard valve / Goggle valve



The valve design adopts floating plate, clamping and rotation mechanism adopts multi-point synchronous tightening mechanism, which has the advantages of good sealing performance, reliable operation, convenient maintenance, etc.

The fully enclosed electric gate valve can be widely used in the fields of metallurgy, chemical industry, food and so on, which need to be discharged quantitatively in modern industry.

Model: FF2/6/7/941X H-0.2/1.0/1.5/2.5
DN: DN400-DN2800
PN: 0.05-0.25Mpa

Suitable temperature: -20°C-120°C, 200°C, 300°C 450°C
Suitable medium: gas and Toxic, harmful, flammable gases

Electric multi-layer metal seated BFV



Model: Dd943H-2.5(6)C
DN: DN400-DN3000
PN: 0.25-0.6Mpa

Sealing options:

- ◆ metal + metal
- ◆ replaceable metal ring + metal
- ◆ multi-layer metal and graphite ring + metal

Operation methods:

- ◆ Manual
- ◆ Worm gear
- ◆ Hydraulic
- ◆ Electric
- ◆ Electro-hydraulic



Suitable temperature: $\leq 550^{\circ}\text{C}$
Suitable medium: gas,air

Electric multi-layer metal seated BFV



Model: Dd943H-2.5(6)C
DN: DN400-DN3000
PN: 0.25-0.6Mpa

Suitable temperature: $\leq 550^{\circ}\text{C}$
Suitable medium: gas,air

Pneumatic multi-layer metal seated BFV



Adopts J shape elastic seal ring and tri-eccentric multi-layer metal seated structure. widely used industrial pipelines of metallurgy, power, petrochemical, water supply and drainage, municipal construction, etc. with medium temperature $\leq 550\text{ }^{\circ}\text{C}$. It is used for medium regulating and cutoff.

Features:

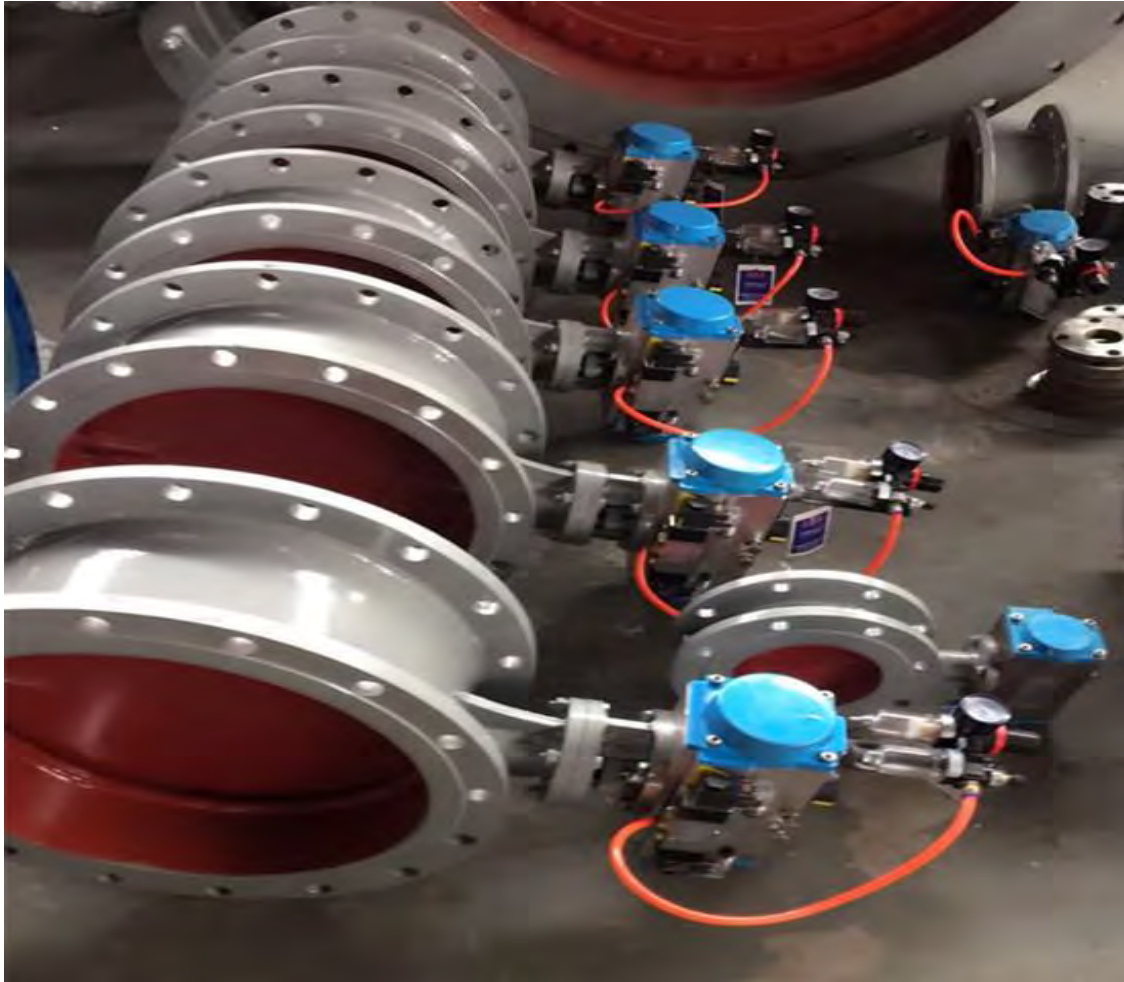
- ◆ Small opening torque, flexible and convenient, saving energy.
- ◆ 3D eccentric structure, reliable sealing performance, no leakage.
- ◆ High pressure resistance, corrosion resistance, wear resistance, long service life, etc.



Model: Dd643H-2.5(6)C
DN: DN150-DN1800
PN: 0.25-0.6Mpa

Suitable temperature: $\leq 550\text{ }^{\circ}\text{C}$
Suitable medium: gas

Pneumatic multi-layer tri-eccentric metal seated BFV



Model: Dd643H-2.5(6)C
DN: DN150-DN1800
PN: 0.25-0.6Mpa

Suitable temperature: $\leq 550^{\circ}\text{C}$
Suitable medium: gas

Electro-hydraulic multi-layer metal seated BFV



The disc of electric multi-layer metal seated gas butterfly valve is mounted in the diameter direction of the pipe. The disc rotates around the shaft inside valve body in a range of 0 ° to 90 °, when the valve is rotated to 90 °, the valve is fully open.

Sealing options:

- ◆ metal + metal
- ◆ replaceable metal ring + metal
- ◆ multi-layer metal and graphite ring + metal

Operation methods:

- ◆ Manual
- ◆ Worm gear
- ◆ Hydraulic
- ◆ Electric
- ◆ Electro-hydraulic

Model: Dd243H-2.5(6)C
DN: DN150-DN1800
PN: 0.25-0.6Mpa

Suitable temperature: $\leq 425^{\circ}\text{C}$
Suitable medium: gas

Pneumatic ash discharge ball valve



Ash discharge ball valve has same features of coal injection ball valve, is an ideal equipment for controlling dust-containing gas, granular containing liquid and powder. It is mainly suitable for dust removal and ash removal system of blast furnace. It is widely used in the pipeline of petroleum, chemical industry, power generation, papermaking, thermal power plant, etc., for cutting off or connecting media. Suitable media are: water, steam, oil, nitric acid, acetic acid, urea and other corrosive and strongly oxidizing media.

Features:

- ◆ light switching, small volume, large size.
- ◆ reliable sealing, simple structure, convenient maintenance, sealing surface and spherical surface often in the closed state, not easy to be eroded by the media.
- ◆ adopts floating structure, the ball is precision cast piece, externally hard chromium plating treated, valve seat adopts metal or reinforced polytetrafluoroethylene material, high flow capacity, small flow resistance, no leakage when closed, generally used as open/close valves, especially for high viscosity, fiber or granular contained media.

Model: XHQ3/6/7/947F-2.5/6
DN: DN200-DN600

Suitable temperature: $\leq 350^{\circ}\text{C}$
Suitable medium: coal powder, coal ash, slag, slurry, solid particles

Pneumatic ash discharge ball valve



- ◆ Long service life, self-lubricating PTFE. sealing ring and valve ball has micro friction to effectively improve the service life.
- ◆ Small size, light weight, easy installation and maintainance.
- ◆ Can be installed in any direction and any part of the pipelines.
- ◆ Anti-corrosion A class sealing, working temperature of -28 °C to 350 °C , operating mode: Manual, pneumatic, electric, hydraulic and electro-hydraulic, etc..



Model: XHQ3/6/7/947F-2.5/6
DN: DN200-DN600

Suitable temperature: $\leq 350^{\circ}\text{C}$
Suitable medium: coal powder, coal ash, slag, slurry, solid particles

Electric ash discharge ball valve



Model: XHQ947F-2.5 6
DN: DN200-DN600

Suitable temperature: $\leq 300^{\circ}\text{C}$
Suitable medium: coal powder, coal ash, slag, slurry, solid particles

XHQ947 electric ash discharging ball valve is ideal equipment mainly suitable for dust removal system of blast furnace, which is characterized by the control of dust-containing gas, granular liquid, powder, etc.

Electric ash discharge ball valves are used in mining, refining and pipeline delivery systems of oil, natural gas, coal and ore; in production of chemical products, medicine and food; in hydropower, thermal power and nuclear power production systems; In the supply and drainage, heating, and gas supply systems of cities and industrial enterprises; in the drainage and irrigation systems of farmland; the ball valves in various piping systems cut off or connect the medium flow and transport medium to the designated places in accordance with the scheduled procedures

Electric ash discharge ball valve



Features:

Compact structure, reliable sealing, simple structure, convenient maintenance, sealing surface and spherical surface often in closed state, not easy to be corroded by medium, easy to operate and maintain.

suitable for water and solvent, Acid, natural gas and other general working medium, but also suitable for poor working conditions, such as oxygen, hydrogen peroxide, methane and ethylene, and so on, have been widely used in various industries.



Model: XHQ947F-2.5 6

DN: DN200-DN600

Suitable temperature: $\leq 350^{\circ}\text{C}$

Suitable medium: Dry powder solid particles

Round electric (pneumatic, manual) ventilation butterfly



High quality alloy steel welding has features of small volume, light weight, wear resistance, long life, small resistance and large cross section, flexible opening and closing.



widely used in metallurgy, building materials, petrochemical, light industry and other industrial pipelines, for opening and closing, automatic regulation or remote control flow rate of gas, semi-fluid, dust gas and other mediums.

Model: D_F3/6/941W-1C

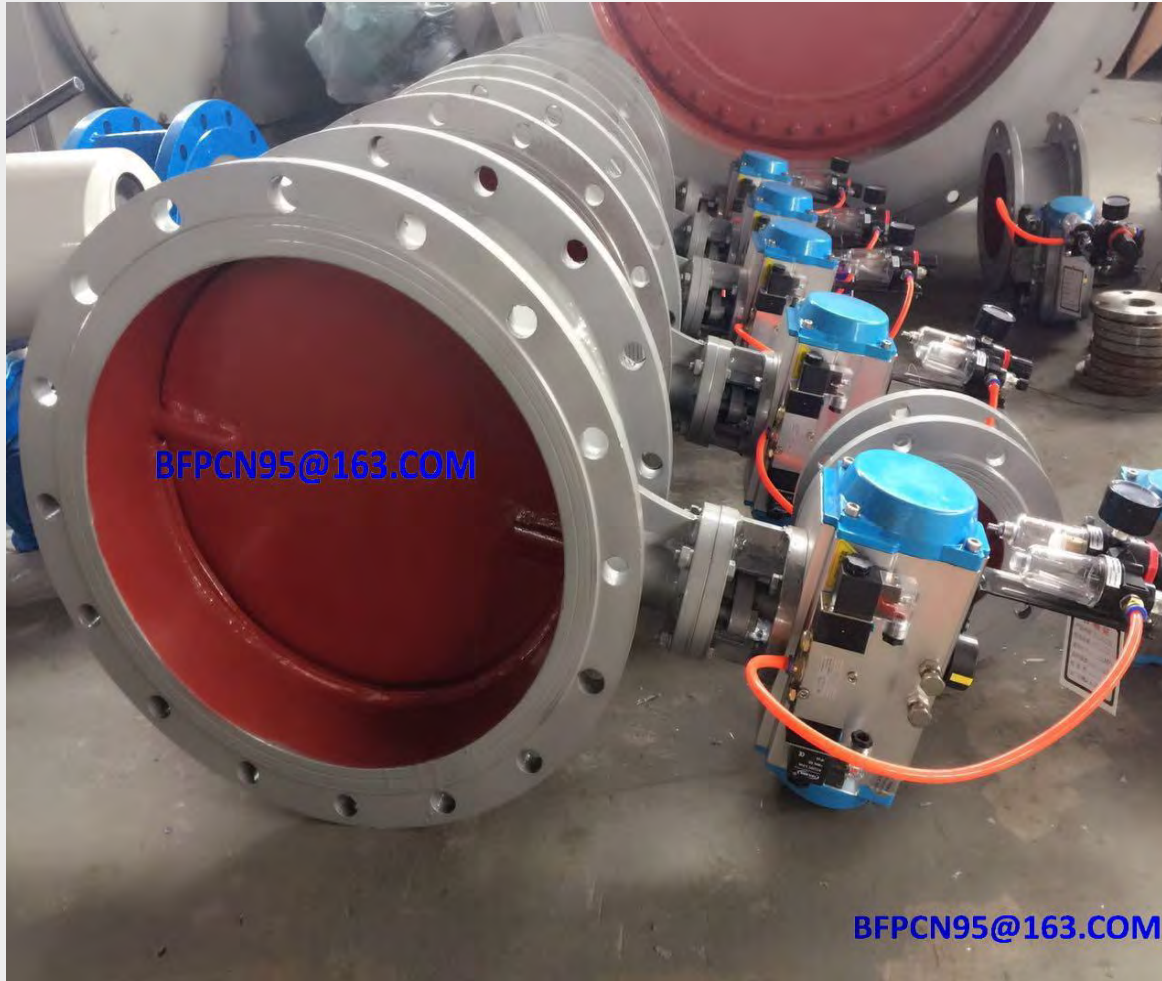
DN: DN100-DN3800

PN: 0.1 Mpa

Suitable temperature: ≤400°C

Suitable medium: air, dusty gas

Ventilation butterfly valve



Features:

1. New, reasonable design, unique structure, light weight, quick opening and closing.
2. Small operating torque, easy operation and labor-saving dexterity.
3. Adopt suitable materials to meet low, medium and high medium temperature and corrosive mediums.

The sealing ring of ventilation butterfly valve use same material as body and its applicable temperature is determined by material selection of valve body. It is generally suitable for pipelines with medium of sand cold air or hot air in industrial, metallurgical and environmental protection projects to regulate flow or cut off medium.

Model: D_F941W-1C

DN: DN200-DN3000

PN: 0.1 Mpa

Suitable temperature: ≤350°C

Suitable medium: air, dusty gas

Worm gear operated ventilation butterfly valve



Model: D_F341W-1C
DN: DN150-DN3000
PN: 0.1 Mpa
Suitable temperature: ≤200°C
Suitable medium: air, dusty gas

Features:

Tri-eccentric structure, less wear, steady sealing performance.

Metal seated with elastic seal advantage under low temperature and high temperature, corrosion resistance, long service life.

Disc sealing surface use cemented carbide, which is wear resistance, long service life.

Large size butterfly disc adopts truss structure of high strength, large flow area and low flow resistance.

Bi-direction sealing function, can be installed in any direction without the limitation of medium flow and space position.

The drive device can be installed in multiple positions (rotation of 90 ° or 180 °) for easy use.

Manual flanged metal seated butterfly valves are widely used in thermal pipelines, boiler auxiliary systems, petrochemical and metallurgical industries to cut off and regulate various non-corrosive and corrosive medium.

Handle operated ventilation butterfly valve



Model: D_F41W-1C leakage ≤3%
DN: DN50-DN800
PN: 0.1 Mpa
Suitable temperature: ≤300°C
Suitable medium: air, dusty gas

The manual butterfly valve is used in dust-bearing cold wind or hot air pipelines of chemical, building, power station, glass and other industries as control device to regulate flow rate or cut off gas medium.

It is installed in pipelines with medium temperature ≤ 300 °C and nominal pressure of 0.1 Mpa to connect, open or close or adjust medium. The valve should be generally installed horizontally in the pipelines.



Manual butterfly valve



Model: D_F341W-1C
DN: DN150-DN3000
PN: 0.1 Mpa
Suitable temperature: ≤200°C
Suitable medium: air, dusty gas

The sealing ring of ventilation butterfly valve use same material as body and its applicable temperature is determined by material selection of valve body. Its nominal pressure $\leq 0.6\text{MPa}$ and generally suitable for industrial, metallurgical, environmental protection pipelines to regulate medium flow. Features:

1. New, reasonable design, unique structure, light weight, quick opening and closing.
2. Small operating torque, easy operation and labor-saving.
3. Adopt suitable materials to meet different medium temperature and corrosive medium.
4. The valve can be made according to customer's request (please indicate the angle in the contract when not horizontal installed).

Manual ventilation butterfly valve is made of steel plate welded structure, it has the characteristics of small size, light weight and easy installation, and it will not be affected by high temperature expansion because of its small flow resistance and large flux. Its drive torque is small, the switch is very flexible, and so it is very convenient to operate.

Hydraulic butterfly valve



Model: D741W
DN: DN200-DN2000
Suitable temperature: $\leq 200^{\circ}\text{C}$
Suitable medium: water, air, dusty gas

Hydraulic butterfly valve is widely used in blast furnace gas pipeline system in metallurgical industry to prevent gas from backfire inside the pipe. In the power industry, in order to prevent the sudden reduction of the pressure in the steam turbine when the turbine unit is shedding load, the steam in the exhaust pipe and the heater is poured into the steam turbine, resulting in a vicious accident of breaking the turbine blade and damaging the turbine generator. Here the valve is used for emergency cutting off. When the system is in dangerous condition, the emergency valve can be implemented within 0.5 seconds to realize the reliable cut-off of the pipeline. Effectively prevent steam and condensate water from pouring back at the rear of steam turbine and protect the safety of steam turbine unit

Hydraulic butterfly valve



Model: D741W
DN: DN200-DN2000
Suitable temperature: $\leq 200^{\circ}\text{C}$
Suitable medium: water, air, dusty gas

Features:

1. The valve is mainly composed of valve, hydraulic station, fast closing actuator, PLC intelligent electronic control box and special stroke feedback device, etc.
2. The fine finishing pinion-and-rack hydraulic actuator is compact in structure, stable in operation, safe and reliable;
3. PLC intelligent electrical control system is of high degree of automation, remote, local control system;
4. Adopts international famous brand automation components, making superior product performance, reliable quality.
5. The valve normal opening and closing power source is generally provided by the matching hydraulic pump station, also can come from the steam turbine main engine hydraulic station.
6. The system power supply is 380 v, the control power supply is AC220V、DC220V、DC110V and other power supply grades;
7. Adopts tri-eccentric multi-layer metal seated butterfly valve of high temperature resistance, flexible opening and closing, easy and reliable sealing

Manual ventilation BFV



Model: D_F341W-1C
DN: DN150-DN3000
PN: 0.1 Mpa
Suitable temperature: ≤200℃
Suitable medium: air, dusty gas



Main products

High temperature flue gas valve

SFM 河南上阀阀门股份有限公司
上阀阀门 HENAN SHANGFA VALVE CO.,LTD



Model: DFG941W-1C/P

DN: DN150-DN2000

PN: 0.1 Mpa

Suitable temperature: $\leq 1500^{\circ}\text{C}$

Suitable medium: air, dusty gas



High temperature flue gas valve



Suitable for high temperature gas (gas, air, flue gas, etc.) pipeline system in metallurgy, mining, cement, medicine, chemical industry, power generation, urban heating and other industries, used as opening and closing equipment

The metal composite seal ring surface seal structure is adopted, the sealing effect is good, and the sealing test can achieve the conventional non-visible leakage. Adopt integral welding structure, which has the advantages of small volume, light weight, convenient maintenance and so on.

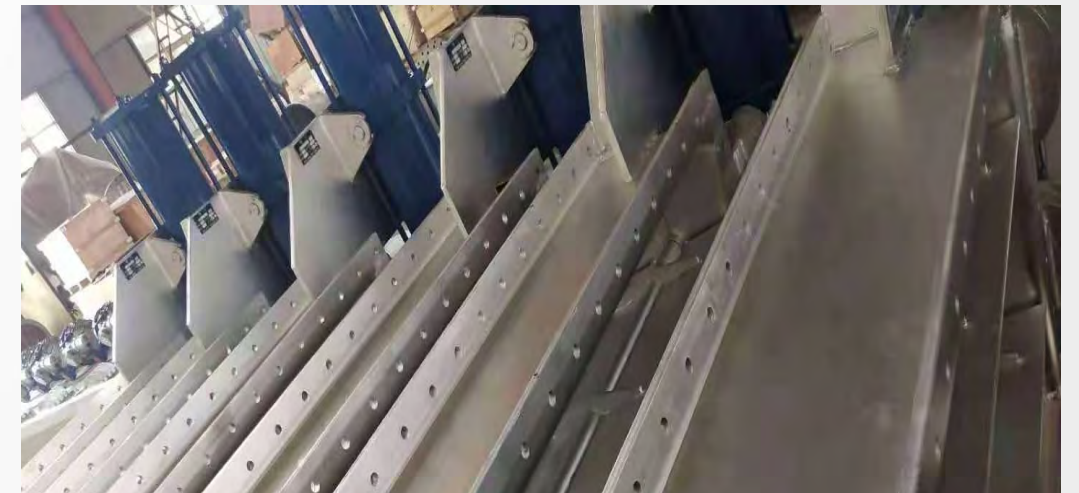
Model: SDFG941W-1C/P

Size: 120x120 - 3000x3000

PN: 0.1 Mpa

Suitable temperature: $\leq 1500^{\circ}\text{C}$

Suitable medium: air, dusty gas



Worm gear operated rectangle ventilation valve



Model: D_F341W-1C
Size: 120x120 - 6000x6000
PN: 0.1 Mpa
Suitable temperature: -20°C-350°C
Suitable medium: air, dusty gas

Manual rectangular shutter valve is a reliable equipment for regulating, opening/ closing air, flue gas, dust gas and combustible gas



Worm gear operated rectangle ventilation valve



Model: D_F341W-1C
Size: 120x120 - 6000x6000
PN: 0.1 Mpa
Suitable temperature: -20°C-350°C
Suitable medium: air, dusty gas

The valve can be combined with various actuators to form valves of different performance, with more blades, less noise, light weight, small operating torque, large flow capacity, convenient operation, the valve is especially suitable for large diameter, large flow rate and low pressure difference conditions.

Widely used in metallurgy, mining, building materials, chemical, power plant and other industries.



Rectangular desulphurization, denitration single blade valve



Model: D_F945W-0.5CB K

Size: DN200-DN2800

PN: 0.05 Mpa

Suitable temperature: -35°C-350°C

Suitable medium: air, dusty gas

Rectangular single blade valve is a reliable equipment for regulating, open/closing air, flue gas, dust gas and combustible gas. It can be used as ventilating valve in dedusting pipelines. It has the advantages of light weight, small flow resistance, simple structure and flexible starting. It can be combined with various actuators to form valves of different performances. The design of the electric rectangular shutter valve is novel, the regulating plate adopts multi-axis, and multi-blade type makes the airflow even, enjoying small flow resistance, easy adjustment, and flexible operation of parts, small friction coefficient, wear resistance, and good corrosion resistance. Electric rectangular shutter valve is easy to operate, especially suitable for large diameter, large flow rate, and low pressure difference, and are widely used in metallurgical, mining, building materials, chemical, power plant and other industrial sectors.

Stainless steel gate valve



Model: G_F945W-0.5CB K

Size: 200*200-2000*2000

Suitable temperature: -35°C-300°C

Suitable medium: powder, particles, crystals, granules and small pieces of material

The valve adopts whole frame of welded stainless steel and rubber elastic seal. light weight, good sealing, and convenient maintenance. Widely used in waterworks, sewage plants, irrigation, drainage, oil, chemical, environmental protection, electric power, small reservoir and other projects as medium flow regulation and control of water level.

Stainless steel gate advantages;

1. Adopting base plate welded with reinforcement molding, weight is light.
2. Sealing adopts hollow rubber strip, guarantees the sealing reliability.
3. Adopts pinch-off seal by wedge-shaped block, ensure easy, light operation of gate during the process of switching.
4. Rubber sealing ring is replaceable, easy repair and maintain.
5. Select various installation methods according to site conditions.

Stainless steel gate, cast iron inlaid copper square gate, cast iron inlaid copper round gate, stainless steel rubber sealing gate, etc

Ceramic lined valve



Model: B_{TC}3/6/947W-2.5/6

Size: DN50-DN300

Suitable temperature: -35°C-300°C

Suitable medium: Corrosive, mixture liquid, etc

Ceramic lined valves used in the chemical, coal, petroleum and other adverse environment where metal valves can no longer adapt to high wear, strong corrosion and other adverse conditions, mainly reflecting that metal valve is easy leakage, high torque and poor sealing surface corrosion resistance.

Ceramic lined valves use high performance structural ceramics, it has good self-cleaning, super wear resistance, strong corrosion resistance, strong self-lubricity, long service life, wide use environment, especially suitable for use in chemical industry. It can greatly improve the fluency and sealing of industrial pipeline system. Improving the safety and stability of the supporting equipment operation system will play a positive role in promoting environmental protection and energy saving. The structure ceramic material has less variant, high tensile strength, high compressive strength and high hardness.

Fluorine lined valve



Model: D_{FL}3/6/947W-2.5/6

Size: DN50-DN600

Suitable temperature: -35°C-200°C

Suitable medium: Corrosive, mixture liquid, etc

Fluorine lined valve also known as fluoroplastic lining corrosion resistance valve, The use of polytetrafluoroethylene resin to be molded (or embedded) into the inner wall of a steel or iron valve bearing part or surface of valve inner parts. Make use of its unique performance in strong corrosion resistance to make various valves and pressure vessels. Mainly used in flue gas treatment system of desulphurization and denitrification.

Fluorine lined valve has the dual functions of switch and flow regulation, it can conveniently open and close the gas flow without affecting the flow rate and ensure the repeatability of the flow rate. Slow opening reduces the impact of instantaneous pipeline pressure on the meter to prolong service life. Fluorine lined valve is specially used to control corrosive or strong corrosive medium. It is suitable for different working temperature and fluid pipeline. It has the characteristics of high strength and good corrosion resistance.

Pneumatic ball valve



Model: Q641F-6/10/16

Size: DN15-DN1000

Suitable temperature: -20°C-150°C

Suitable medium: Water, steam, oil, etc

Pneumatic ball valve works by rotating the valve ball to make the valve open or close. It features light operation, small volume, large size, reliable sealing, simple structure, easy maintenance. Its sealing surface and spherical surface often in closed state, not easy to be eroded by the media, widely used in various industries

Pneumatic ball valves are mainly used in pipelines to quickly cut off, distribute and change the flow direction of the medium.

Features:

1. Low flow resistance .The resistance coefficient is equal to pipe of the same length.
2. Simple structure, small size and light weight.
3. Compact and reliable, plastic are widely used for ball valve sealing surface, good sealing and has been widely used in vacuum system.
4. Convenient operation, quick opening and closing, 90 °rotation from full opening to full closing, convenient for long distance control.

Pneumatic ball valve



Model: Q641F-6/10/16

Size: DN15-DN1000

Suitable temperature: -20°C-150°C

Suitable medium: Water, steam, oil, etc

5, Easy to maintain, simple structure, sealing ring is generally unfixed, easy to remove and replace.

6. When the valve is completely open or closed, the sealing surface of the ball and valve seat is isolated from the medium, it will not cause the valve seal surface to erode.

7, Wide range of application, can be used from several millimeters to several meters, from high vacuum to high pressure.

8. The power source is gas, generally 0.2-0.8mpa pressure, relatively safe.

9, Compared with manual or worm gear operated ball valves, pneumatic ball valves can be produced in large diameter to DN 1200.

Pneumatic ball valves have been widely used in petroleum, chemical industry, power generation, paper making, atomic energy, aviation, rocket and other departments, as well as people's daily life

Electric ball valve



Electric ball valves are widely used in petroleum, gas, chemical and water treatment industries and cooling water systems of thermal power stations.

Features:

1. Simple structure, cost saving.
2. small volume, light weight, small installation size, small driving torque, easy operation and quick operation.
3. Can be quickly opened and closed with only 90 °rotation.
4. Has good flow regulation function and sealing characteristics.

Electric ball valve has two kinds of sealing types: elastic sealing and metal sealing. Sealing ring of elastic sealing valve can be inlayed on the valve body or attached around valve disc. Valves with metal sealing generally have longer service life than those with elastic sealing, but it is difficult to make complete seal. Metal seal can adapt to higher working temperature, elastic seal has limitation of temperature.

Model: Q941F-6/10/16

Size: DN15-DN1000

Suitable temperature: -20°C-150°C

Suitable medium: Water, steam, oil, etc

Main products

Electric ball valve

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The commonly used electric ball valve has two kinds of wafer electric ball valve and flange electric ball valve. The wafer electric ball valve is connected with pipes by double head bolts between pipe flanges, the flange electric ball valve is connected with pipe flanges respectively between each valve end and pipe flange by bolts. The strength performance of a valve means that the valve is affected by the pressure of the medium. Valves are mechanical products subject to internal pressure and therefore must be of sufficient strength and stiffness to ensure long-term use without breaking or deforming. It is usually used to remote control the opening and closing of pipeline medium.

Model: Q941F-6/10/16

Size: DN15-DN1000

Suitable temperature: -20°C-150°C

Suitable medium: Water, steam, oil, etc

Hydraulic ball valve



Model: Q741F-6/10/16

Size: DN15-DN1000

Suitable temperature: -20°C-150°C

Suitable medium: Water, steam, oil, etc

Hydraulic ball valve is suitable for water, oil, natural gas, drilling fluid and other medium transportation pipelines as opening and closing device. Hydraulic ball valve is composed of hydraulic device and ball valve. The hydraulic device drives valve stem to rotate valve ball and achieves opening and closing.

Main features:

- 1, Valve ball and body are made of high-quality stainless steel with good anti-corrosion performance.
- 2, Adopts metal sealing structure, can meet with drilling mud medium environment.
- 3, Hydraulic device has small volume, can satisfy the narrow installation environment.
- 4, Torque is large, can meet the requirements of the hydraulic control table with BOP.

Hydraulic push rod ball valve



Model: QPR741F-6/10/16

Size: DN15-DN1000

Suitable temperature: -20°C-150°C

Suitable medium: Water, steam, oil, etc

Hydraulic ball valves are widely used in petroleum refining, long-distance pipelines, chemical, paper making, water conservancy, power, municipal, steel, vacuum system and other industries.

Advantages:

1. Small fluid resistance, full port ball valve basically has no flow resistance.
2. Simple structure, small size and light weight.
3. Compact and reliable. two sealing faces and various plastics sealing rings can achieve complete sealing.
4. Convenient operation, quick opening and closing, 90 °rotation from full opening to full closing, convenient for long distance control.
5. Convenient maintenance, ball valve structure is simple, sealing ring is generally replaceable, and disassembly and replacement are more convenient.
6. When the valve is completely open or closed, the sealing surface of the ball and seat is isolated from the medium, and when the medium passes, it will not cause erosion of the sealing surface of the valve.
7. Wide range of application, can be used from several millimeters to several meters, from high vacuum to high pressure.
8. The ball valve has wiping property and can be used in the medium with suspended solid particles.

Hydraulic push rod ball valve



Model: QPR741F-6/10/16

Size: DN15-DN1000

Suitable temperature: -20°C-150°C

Suitable medium: Water, steam, oil, etc

- 1, Valve ball and body are made of high-quality stainless steel with good anti-corrosion performance.
- 2, Adopts metal sealing structure, can meet with drilling mud medium environment.
- 3, Hydraulic device has small volume, can satisfy the narrow installation environment.
- 4, Torque is large, can meet the requirements of the hydraulic control table with BOP.



Electric eccentric half ball valve



Electric eccentric half ball valve is a kind of valve which is opened and closed by the ball rotating around the center line of the valve body.

Ball valves are used in pipelines primarily to cut off, distribute or change the flow direction of medium.

Model: BQF941W(H, M, M1)-16/25/40
DN: DN30-DN1400
Suitable temperature: $\leq 425^{\circ}\text{C}$
Suitable medium: Natural gas, gas, LPG, oil,
coal powder, alumina powder



Electric eccentric half ball valve



Model: BQF941W(H, M, M1)-16/25/40
DN: DN30-DN1400
Suitable temperature: $\leq 425^{\circ}\text{C}$
Suitable medium: Natural gas, gas, LPG,
oil, coal powder, alumina powder

Features: Small fluid resistance and the resistance coefficient is equal to pipe of the same length, simple structure, small volume and light weight. Sealing is reliable, convenient operation, quick opening and closing, 90 °rotation from full opening to full closing, convenient for long distance control. Maintenance is convenient, ball valve structure is simple, sealing ring is generally replaceable, and disassembly and replacement are more convenient. Less erosion of the sealing surface. Wide range of application..

Suitable for sewage treatment, pulp, alumina, urban heating and heating with strict requirements and suitable for pipelines of power plant, hydraulic slag removal or gas transportation.



Electric full ball valve



Model: Q941F-16/25/40

DN: DN30-DN1400

Suitable temperature: $\leq 425^{\circ}\text{C}$

Suitable medium: Natural gas, gas, LPG, oil, coal powder, alumina powder

It is mainly used to cut off or connect the medium in the pipeline, and can also be used in the regulation and control of fluid.

Q941F-25C electric full ball valve is fixed mounted (trunnion type) and does not move under pressure. Trunnion type ball valve has floating valve seat which moves against medium pressure and tightly press on the ball to ensure sealing. It has small operating torque and suitable for high pressure and large diameter valves. In order to reduce the operating torque of the ball valve and increase the reliability of the sealing, lubricating oil can form a layer of oil film, enhance the sealing ability, reduce the operating torque. The advantages of electric ball valve are suitable for the process and fluid control system with large pressure difference and strict sealing requirements.

Manual flashboard valve



Model: F41X/H-6/10/16
DN: 200*200-1200*1200
Suitable temperature: $\leq 300^{\circ}\text{C}$
Suitable medium: Powder, crystal, particles.

Advantages: simple structure, flexible operation, light weight, no blocking and fast cutting. It is especially suitable for conveying and flow regulation of all kinds of powder and granular grains less than 5mm. It is easy to operate and can adjust opening degree at any time. It is widely used in the pipelines of dust flow control in metallurgical, mining, building materials and other industries. It is the ideal equipment for controlling the flux which change greatly and require quick opening and closing.

1. Check the valve cavity and sealing surface before installation, dirt or sand attachment are not allowed;
2. The bolts at each connecting position are required to be tightened evenly;
3. Check packing and compress tightly, not only to ensure the sealing of the packing, but also to ensure flexible opening of the gate;
4. Before installing the valve, the user must check the valve type, connection size and pay attention to the flow direction of the medium to ensure consistency with the valve requirements;
5. Gate valve must be maintained regularly, no arbitrary collision and extrusion, so as not to affect the sealing.

Manual flashboard valve



Manual gate valve is often used with discharge device or storage bin. Manual screw gate valve is easy to install with flange connection, and there are square and round inlet and outlet which has dozens of specifications according to sizes. It is widely used in metallurgy and carbon. Chemical, building materials and other industries. Manual gate valve has the advantages of simple and compact structure, reasonable design, reliable sealing, light and flexible operation, small volume, smooth passage, small resistance, easy installation and easy disassembly. Manual screw gate valve can be installed horizontally or vertically. It has the characteristics of anti-wear, long life and automatic compensation.

Model: F41X/H-6/10/16

DN: 200*200-1200*1200

Suitable temperature: $\leq 300^{\circ}\text{C}$

Suitable medium: Powder, crystal, particles.

Pneumatic flashback valve



Pneumatic flashback valve is a kind of main control equipment for conveying, regulating or cutting off material flow of powder, grain, particle and small material. It is widely used in metallurgy, mine, building materials, and chemical industry and so on for control of material flow regulation or cutting.

Pneumatic flashback valve valve has simple structure, flexible operation, light weight, no card group, especially suitable for all kinds of solid materials, 50mm or so, mass material transportation and flow regulation, installation without angle restrictions, easy operation, The ability to adjust opening at any time, etc.

Model: F641X/H-6/10/16

DN: 200*200-1200*1200

Suitable temperature: $\leq 300^{\circ}\text{C}$

Suitable medium: Powder, crystal, particles.

Electric flashboard valve



Model: F941X/H-6/10/16
DN: 200*200-1200*1200
Suitable temperature: $\leq 300^{\circ}\text{C}$
Suitable medium: Powder, crystal, particles.

Electric gate valve adopts top entry structure, reduces the connecting bolt on valve body under the condition of high pressure and large diameter, enhances the reliability of valve and overcomes the influence of system weight on the normal operation of valve.

Electric gate valve is widely used in pipelines of coal chemical, petrochemical, rubber, paper, pharmaceutical, etc. as a switching device for medium diversion or flow, is a main control equipment for splitting flow/interflow or conveyance of granular and small materials.



Manual gate valve



Model: DZ43X/H-6/10

DN: DN150-DN900

Suitable temperature: 80°C-425°C

Suitable medium: Pulp, sewage, coal pulp, ash and slag mixture.

Manual gate valve gate moves vertically along the seat axis to realize the opening and closing action. The main advantages of the gate valve are smooth passage, low fluid resistance and small opening and closing torque. The main disadvantage is that the sealing surface is easy to scratch, the opening and closing time is longer, the shape and weight of the gate valve are large

Gate valves are widely used in pipes and are suitable for manufacturing large-diameter valves. Gate valves are usually used to cut off fluid and should not be used to regulate flow.

Features:

1. Compact structure, reasonable design, good rigidity, smooth passage, small flow coefficient.
2. Sealing surface is made of stainless steel and cemented carbide with long service life.
3. Novel design, reasonable, reliable sealing, light and flexible operation.
4. Suitable materials are used to meet the temperature of different medium.



Electric gate valve



Model: DZ943X/H-6/10
DN: DN150-DN500
Suitable temperature: 80°C-425°C
Suitable medium: Pulp, sewage, coal pulp, ash and slag mixture.

Driving part of the product adopts multi-rotary electric actuator to drive and control the opening and closing of the valve. The operator can remote control the valve inside a control room or manually operate the valve on site. Also can cooperate with the computer to realize the computer automatic control. The valves are widely used in drainage, heating, power plant, chemical, food, paper, pharmaceutical, coal, mining industries, meeting the automation requirements of modern industry and agriculture.

Electric gate valve is a straight line operation valve, it is compatible with the Z type multi-rotary actuator and have on/off type and intelligent type



Electric gate valve



Model: DZ943X/H-6/10

DN: DN150-DN500

Suitable temperature: 80°C-425°C

Suitable medium: Pulp, sewage, coal pulp, ash and slag mixture.

Electric gate valve is very simple to operate and is one of the most common on/off valves, which use Up and down operation of the gate to connect and close the fluid medium in the pipeline. Optional electrical controller available

Characteristics of electric double flange gate valve

1. Fast opening and closing, stable and reliable, high degree of automation.
2. Installation height and position are not limited.
3. Adopting explosion-proof electric device can work normally in flammable and explosive, even poisonous gas environment.
4. Equipped with manual operation unit, in case of power interruption, manually operate to open or close valves for effective control of medium to prevent accidents

Pneumatic knife gate valve



Model: DZ643X/H-6/10

DN: DN150-DN500

Suitable temperature: 80°C-425°C

Suitable medium: Pulp, sewage, coal pulp, ash and slag mixture.

The pneumatic gate valve is composed of complex automatic control instruments, various pneumatic components and valve body. Often used where quick cutting and opening is required.

Double acting, Two-bit control for valve opening and closing.

Single action, (spring reset); valve automatically opens or closes when electric circuit or gas circuit is cut off or fail.

Scope of application:

1. Oil, natural gas pipeline. Flat gate valves with diversion holes also facilitate pipeline cleaning.
2. Pipeline and storage equipment for oil products.
3. Oil, natural gas drilling wellhead devices, that is, Christmas tree valves.
4. Pipes with suspended particles in the medium.
5. City gas transmission pipeline.
6. Public waterworks.

Optional accessories:

1. Single or double-controlled solenoid valves (24v / 220v etc., optional explosion-proof solenoid valves if necessary).
2. Proximity switch.
3. Gas source handling triplex (including pressure reducing valve, filter valve, oil mist)
4. Electric / gas valve positioner (regulating type)

Manual knife gate valve



Model: (M)DZ73X/F/H/Y-6/10/16
DN: DN50-DN900
Suitable temperature: 80°C-425°C
Suitable medium: Syrup, pulp, sewage,
coal pulp, ash and slag mixture.

Manual knife gate valve has simple and compact structure, reasonable design, light and saving material, reliable sealing, light operation, flexible operation, small volume, smooth passage, small flow resistance, light weight, easy installation and disassemble. It can work normally at working pressure of 1.0Mpa-2.5Mpa and temperature of -29-650 °C. The knife gate valve has the function of shearing, scraping the adhesive on the sealing surface, removing sundries automatically, and stainless steel gate can prevent the seal leakage caused by corrosion. Generally the valve should be installed horizontally in the pipeline.

Knife gate valve can be divided into electric knife gate valve, manual knife gate valve, hydraulic knife gate valve, etc. Users can customize according to their needs.

Double flange type loose sleeve force transfer telescopic device



Dismountable double flanged loose sleeve force conveyer/joint are widely used in pipelines of petroleum, chemical, food and medicine, textile, papermaking, hydropower, ships, water supply and drainage industries for medium of corrosive, non-corrosive gases, liquids, etc. Connection of semi-fluid and solid granular Powder.

It is composed of loose sleeve expansion joint, short pipe flange, force transfer screw, etc.

It can transfer the pressure-thrust (blind plate force) of the connecting parts and compensate the line deviation, and has a certain amount of adjustment, which is convenient for site adjustment in actual construction environment.



Model:VSSJAF-6/10/16

DN: DN65-DN4000

Suitable temperature: $\leq 135^{\circ}\text{C}$

Suitable medium: water, sea water, oil, acid, alkali.

Features of expansion joints



Model:VSSJAF-6/10/16

DN: DN65-DN4000

Suitable temperature: $\leq 135^{\circ}\text{C}$

Suitable medium: water, sea water, oil,
acid, alkali.

Advantages of conveyers:

1. Simple and convenient installation, which is beneficial to the disassembly and maintenance of the pump and valve.
2. Long service life, stable operation.
3. The axial thrust of the pipeline can be transferred back to the whole pipeline to avoid local compression.

Installation brief description of dismountable double flanged loose sleeve force conveyer

1. CC₂ F type dismountable double flanged loose sleeve force conveyer is suitable for flange connection on both sides.
2. The products have been assembled before delivery, just need to connect the two ends of the product to the pipes or flanges and symmetrically tighten the nuts evenly.

Field use



Field use



Field use



Field use



Field use



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William Meng

Mobile/Wechat:

+86-18838131638

Email:

BFPCN95@163.COM