

Sanitary valve

2020 / 卫生阀 / 智能制造



 **DONJOY 东正**

国家高新技术企业 浙江省著名商标

东正一直致力于技术革新
是您值得信赖的事业伙伴

**Donjoy has been committed to
technical innovation, is your trustworthy
business partner!**

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Introduction

东正创立于1993年，占地面积29000m²，注册资本1.0558亿元，员工300余人，技术团队30余人，200余项知识产权，国际权威认证30余项，国家与省级荣誉证书20余项，且拥有国际领先的加工技术和制造设备，如Mazak CNC四轴、五轴加工中心、复合型切削中心、FANUC机器人生产线以及各种国际领先的检测设备等。

东正制造的产品远销全球并获得国内外用户高度好评，我们产品和技术涵盖高洁净泵、阀门控制技术、PID自控阀门、高洁净阀门、容器管道安全控制技术、容器清洗技术、容器管道照明技术、过滤技术以及高洁净管道和配件等。广泛应用于生物制药、食品饮料、酿酒、精细化工、日化洗涤、纺织印染、电池和新能源等工业领域。

Donjoy was founded in 1993, covers an area of 29000m² has international leading processing technology and manufacturing equipment, such as Mazak CNC four-axis, five-axis machining center, compound cutting center, FANUC robot production line, and various international leading testing equipment.

The products manufactured by Donjoy are sold all over the world and have been highly praised by users at domestic and abroad. Our product and technology covers high purity pumps, valve control technology, PID automatic control valves, high purity valves, container pipeline safety control technology, container cleaning Technology, container pipeline lighting technology, filtration technology and high purity pipeline&Accessories. widely used in biopharmaceuticals, food and beverages, wine-making, fine chemicals, daily chemical washing, textile printing & dyeing, batteries and new energy industries.



Advantages

27 YEARS

27年的阀门研发与制造
More than 27 years valve and pump R&d and Manufacturing

20 YEARS

20年的高洁净泵研发与制造
More than 20 years high purity pump R&d and Manufacturing

15 YEARS

15年的阀门控制器研发与制造
More than 15 years valve controller R&d and Manufacturing

12 YEARS

12年的清洗技术研发与制造
More than 12 years Cleaning technology R&d and Manufacturing

300

300多人的专业团队
A profession team of over 300people.

200

200多项知识产权
More than 200 intellectual property rights

30

30多项国际权威认证
More than 30 international authoritative certifications

20

20多项国家与省级荣誉
More than 20 national and provincial honors certificates

我们一直走在时代的前沿，把日新月异的市场需求导入到研发中，未来我们将一如既往的专注于高洁净领域的技术研发和创新，始终保持技术的领先！

We have always been at the forefront of the times and introduced the ever-changing market needs into R&D. In the future, we will continue to focus on technology R&D and innovation in the field of high-Purity , and always maintain the leading edge of technology!



不锈钢气动执行器

Stainless steel pneumatic actuator



不锈钢材质
超长使用寿命
简单灵活组合
可配置蝶阀尺寸：1/2"–12", DN10–DN300
可配置球阀尺寸：1/2"–4", DN10–DN100
连接支架、连接方芯可定制

Stainless steel material
Long service life
Simple and flexible combination
Configurable butterfly valve size:
1/2"–12", DN10–DN300
Configurable ball valve size: 1/2"–4",
DN10–DN100
Connection bracket, connecting square
core can be customized

产品概述

立式气动执行器是一款立式旋转执行器，该执行器具有扭矩大、体积小、功能配置组合灵活、启闭速度快等技术特点；该执行器可应用在蝶阀，球阀等各种角行程阀门上。还可以配置各种自动控制功能，如阀门位置反馈器、阀门控制单元、过程控制器、阀门智能定位器等。

技术特点

- 气缸规格：Φ70, 85, 114, 133, 168
- 气源压力：4–7bar
- 工作温度：–10℃至80℃
- 与阀门连接方芯：8*8, 9*9, 10*10, 11*11, 14*14mm, 也可定制尺寸
- 执行方式：单作用(气/弹簧)，双作用(气/气)，常闭、常开
- 执行动作：旋转行程(角行程)

Product description

The vertical pneumatic actuator is a vertical rotary actuator. It has the characteristics of large torque, small size, flexible function configuration and fast opening and closing speed. The actuator can be applied to various angles such as butterfly valve and ball valve. On the stroke valve. Various automatic control functions such as valve position feedback, valve control unit, process controller, valve intelligent positioner, etc. can also be configured.

Technical Features

- Cylinder specifications: Φ70, 85, 114, 133, 168
- Air source pressure: 4–7bar
- Working temperature: –10℃ to 80℃
- Square core with valve: 8*8, 9*9, 10*10, 11*11, 14*14mm, also available in custom sizes
- Execution mode: single acting(gas/spring), double acting(gas/gas), normal closed, normal opened.
- Execution action: rotation stroke (corner stroke)

功能配置

- A: 基本型
- B: 基本型+顶部安装式
- C: 基本型+L型连接支架
- D: 基本型+工型连接支架
- E: 基本型+位置传感器
- F: 基本型+控制单元 C-TOP-1881
- G: 基本型+位置反馈器 F-TOP-1553
- H: 基本型+控制单元 C-TOP-1711
- I: 基本型+控制单元 C-TOP-1721
- J: 基本型+定位器 IL-TOP-1831

Functional configuration

- A: Basic type
- B: Basic type + top mounted type
- C: Basic + L type connecting bracket
- D: Basic type + work connection bracket
- E: Basic type + position sensor
- F: Basic type + control unit C-TOP-1881
- G: basic type + position feedback device F-TOP-1553
- H: Basic type + control unit C-TOP-1711
- I: Basic + Control Unit C-TOP-1721
- J: Basic type + positioner IL-TOP-1831



规格	尺寸表mm					耗气量mL		扭矩 N.M	
	D	H	A	K × K	k × k	单作用	双作用	单作用(5bar)	双作用(5bar)
						气/弹簧	气/气		
70	70	122	33	8 × 8	10 × 10	111	235	25	45
85	86	145	38	10 × 10	11 × 11	216	536	35	60
114	113	198	36	11 × 11	11 × 11	450	970	80	110
133	138	235	36	14 × 14	14 × 14	776	1700	143	180
168	170	255	36	14 × 14	17 × 17	-	2820	-	248

注意：耗气量(ml)是指气动执行器每次动作的损耗的气量；扭矩是基于5bar气源压力。

Note: Air consumption (ml) refers to the amount of air lost by the pneumatic actuator for each action; the torque is based on the 5 bar air supply pressure.

薄膜气动执行器

Thin film pneumatic actuator



不锈钢材质
超长寿命
简单灵活组合
适用于各种直线行程的各种阀门如：
截止阀、单座阀、角座阀、换向阀等

Stainless steel material
Long service life
Simple and flexible combination
Suitable for various Linear
stroke valves such as:
Globe valve,
single seat valve,
angle seat valve,
reversing valve, etc.

产品概述

薄膜式气动执行器是一款立式直行程执行器，该执行器具有功能配置组合非常灵活、启闭速度快，全不锈钢的材质等技术特点；该执行器可应用在截止阀、座阀等各种直线行程的阀门上。还可以配置各种自动控制功能，如阀门位置反馈器、阀门控制单元、过程控制器、阀门智能定位器等。

Product description

Membrane pneumatic actuator is a vertical linear actuator. The actuator has the technical characteristics of flexible configuration and combination, fast opening and closing speed, all stainless steel material, etc.; the actuator can be applied to globe valves, seat valves, etc. Various linear stroke valves. Various automatic control functions can also be configured, such as valve position feedback, valve control unit, process controller, valve intelligent positioner, etc.

技术特点

- 气缸规格：Φ160, 250
- 气源压力：4-7bar
- 工作温度：-10℃至80℃
- 执行方式：单作用(常闭、常开)，双作用(气/气)
- 执行动作：直线行程(直行程)

Technical Features

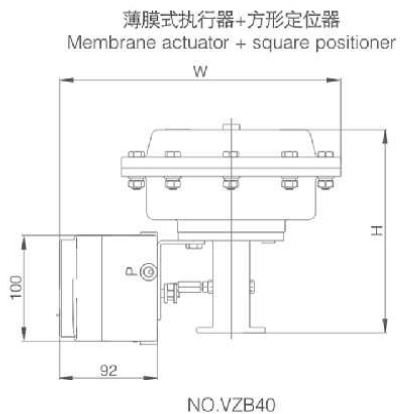
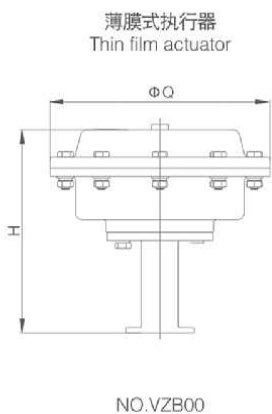
- Cylinder specifications: Φ160, 250
- Air source pressure: 4-7bar
- Working temperature: -10°C to 80°C
- Execution mode: single acting(gas/spring), double acting(gas/gas), normal closed, normal opened.
- Execution action: linear stroke (straight stroke)

功能配置

- A: 基本型
 - B: 基本型+手动装置
 - C: 基本型+反馈器F-TOP-1671
 - D: 基本型+阀门定位器IL-TOP-1441
 - E: 基本型+阀门定位器IL-TOP-1441
 - F: 基本型+分体式阀门定位器 IL-TOP-1441
 - G: 基本型+阀门定位器-IL-TOP-1891
 - H: 基本型+手动装置+阀门定位器-IL-TOP-1442
- 注意: 有关控制器, 请查阅控制目录册

Functional configuration

- A: Basic type
 - B: Basic type + manual device
 - C: Basic type + feedback device F-TOP-1671
 - D: Basic type + alve positioner IL-TOP-1441
 - E: Basic type + valve positioner IL-TOP-1441
 - F: Basic + split valve positioner IL-TOP-1441
 - G: Basic type + valve positioner-IL-TOP-1891
 - H: Basic type + manual device + valve positioner-IL-TOP-1442
- Note: About the controller, Please refer to the control catalog



规格	尺寸表mm			耗气量 L			推力 N	
	Q	H	W	单作用		双作用 气气	单作用(5bar)	双作用(5bar)
				常闭	常开			
150	208	190	265	0.59	0.62	1.6	2400	8800
250	300	224	312	2.1	2.2	5.6	6000	24000

注意: 耗气量是指气动执行器每次动作的损耗的气量; 推力是基于5bar气源压力。

Note: Air consumption refers to the amount of air lost by the pneumatic actuator for each action; The thrust is based on the 5 bar gas source pressure.

卧式气动执行器

Horizontal pneumatic actuator



超长使用寿命
简单灵活组合
外壳颜色多样
可配置蝶阀尺寸：1/2"-12", DN10-DN300
可配置球阀尺寸：1/2"-4", DN10-DN100
连接支架、连接方芯可定制

Long life service
Simple and flexible combination
Dimensional color
Configurable butterfly valve size:
1/2"-12", DN10-DN300
Configurable ball valve size: 1/2"-4",
DN10-DN100
Connection bracket, connecting square
core can be customized

产品概述

卧式气动执行器采用了新型的齿轮齿条传动机构，综合了目前最新的气动执行器技术和应用材料，基于丰富的现场安装和产品应用经验创新设计而成。该执行器可应用在蝶阀，球阀等各种角行程阀门上。还可以配置各种自动控制功能，如阀门位置反馈器、阀门控制单元、过程控制器、阀门智能定位器等。

Product description

The horizontal pneumatic actuator adopts a new type of rack and pinion transmission mechanism, which combines the latest pneumatic actuator technology and application materials, and is based on rich experience in field installation and product application. The actuator can be applied to various angular stroke valves such as butterfly valves and ball valves. Various automatic control functions such as valve position feedback, valve control unit, process controller, valve intelligent positioner, etc. can also be configured.

技术特点

- 气缸规格: $\Phi 32 \dots \Phi 400$
- 气源压力: 2-8bar
- 工作温度: -10°C 至 80°C
- 与阀门连接方芯: $\square 11 \sim \square 55(\text{mm})$, 也可定制
- 执行方式: 单作用(气/弹簧), 双作用(气/气), 常闭、常开
- 执行动作: 旋转行程(角行程)
- 行程范围: $0-90^{\circ}$, $0-180^{\circ}$
- 安装标准: ISO 5211 DIN 3337
- 外观颜色: 本身、红色、蓝色、白色、咖啡色
- 两端颜色: 本身、黑色、蓝色、灰色

功能配置

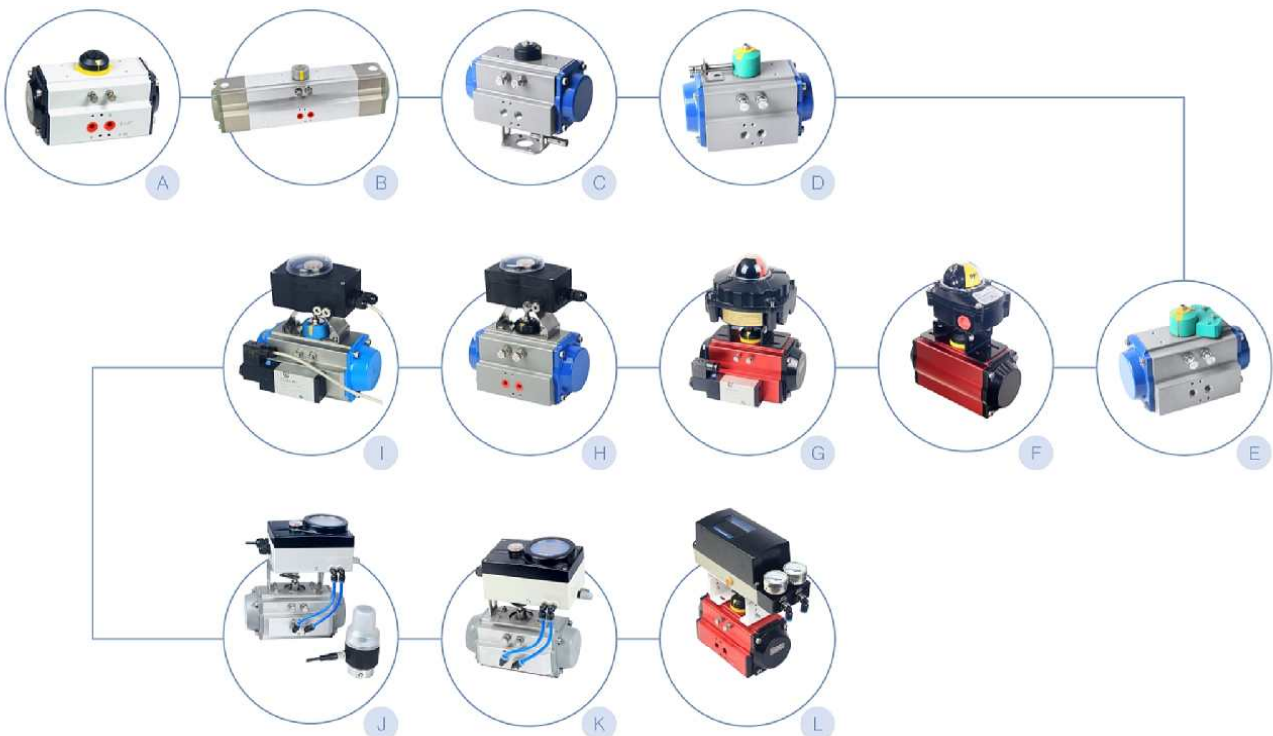
- A: 执行器
- B: 三段式执行器
- C: 执行器+连接支架+位置传感器
- D: 执行器+位置传感器
- E: 执行器+位置反馈器
- F: 执行器+位置反馈器 ITS100
- G: 执行器+防爆位置反馈器 ALS-500
- H: 执行器+位置反馈器 F-TOP-1671
- I: 执行器+控制单元C-TOP-1561+电磁阀
- J: 执行器+分体式定位器IL-TOP-1441
- K: 执行器+定位器 IL-TOP-1441
- L: 执行器+防爆定位器IL-TOP-1891

Technical Features

- Cylinder specifications: $\Phi 32 \dots \Phi 400$
- Air source pressure: 2-8bar
- Working temperature: -10°C to 80°C
- Connecting the square to the valve $\square 11 \sim \square 55(\text{mm})$. Also available in custom size
- Execution mode: Single-acting (gas/spring), double-acting (gas/gas), normally closed, normally open
- Execution action: Rotational stroke (corner stroke)
- Travel range: $0-90^{\circ}$, $0-180^{\circ}$
- Installation standard: ISO 5211 DIN 3337
- Appearance color: itself, red, blue, white, brown
- Both ends of the color: itself, black, blue, gray

Functional configuration

- A: Actuator
- B: three-stage actuator
- C: actuator + connecting bracket + position sensor
- D: actuator + position sensor
- E: actuator + position feedback
- F: actuator + position feedback device ITS100
- G: Actuator + explosion-proof position feedback device ALS-500
- H: Actuator + position feedback device F-TOP-1671
- I: Actuator + Control Unit C-TOP-1561+ Solenoid Valve
- J: Actuator + Split Positioner IL-TOP-1441
- K: actuator + positioner IL-TOP-1441
- L: Actuator + explosion-proof positioner IL-TOP-1891



电动执行器

Electric actuator



低噪音、低功耗、大扭矩、
IP68防护、功能多样、转速可选

Low noise, low power consumption,
high torque, IP68 protection, versatility,
speed optional

技术特点

- 扭矩：15N.M~2000N.M
- 电源：AC24V/110V/220V/380V；DC12V/ V24V/220V；
- 运行速度：0-90° 10S,15S,20S,30S,50S
- 工作温度：-20°C 到 +60°C
- 执行动作：旋转行程(角行程)
- 防护等级：IP68
- 防爆等级：EX DII BT4
- 功能配置：开关型、无源触点型、智能调节型、位置反馈型

Technical Features

- Torque: 15N.M~2000N.M
- Power supply: AC24V/110V/220V/380V; DC12V/V24V/220V;
- Operating speed: 0-90° 10S, 15S, 20S, 30S, 50S
- Operating temperature: -20 ° C to +60 ° C
- Execution action: Rotational stroke (corner stroke)
- Protection level: IP68
- Explosion-proof grade: EX DII BT4
- Function configuration: switch type, passive contact type, intelligent adjustment type, position feedback type



自控调节阀

Automatic control regulating valve

调节阀系列包含气动、电动单座阀、隔膜阀、角座阀、截止阀、球阀、蝶阀等各种具有良好曲线特性的阀门。
推荐电源：DC 24V

信号输入和反馈：0/4–20mA, 0–5/10V

总线通讯：Mod bus RS485, Hart 6/7

防爆认证：ATEX II3G EXIC IIC T6 Exia II CT6

The control valve series includes pneumatic, electric single seat valve, diaphragm valve, angle seat valve, Globe valves, ball valves, butterfly valves and other valves with good curve characteristics.

Recommended power supply: DC 24V

Signal input and feedback: 0/4–20mA, 0–5/10V

Bus communication: Mod bus RS485, Hart 6/7

Explosion-proof certification: ATEX II3G EXIC IIC T6 Exia II CT6



技术特点

- 规格：1/2"–6", DN10–DN150
- 材质：316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力：真空~10bar(1.0 Mpa)
- 温度：–20°C 到 +150°C, 取决于密封于材质
- 密封：EPDM FKM HNBR PTFE
- 连接标准：DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式：螺纹、卡箍、焊接、法兰
- 驱动方式：手动、气动、电动
- 光洁度：Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证：FDA 177.2600; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935–2004; PED/97/23/EC。

Technical Features

- Specifications: 1/2"–6", DN10–DN150
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0 Mpa)
- Temperature: –20°C to +150°C, Depending on the seal material
- Seal: EPDM FKM HNBR PTFE
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: Thread, clamp, welding, flange
- Drive mode: manual, pneumatic, electric
- Finish: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935–2004; PED/97/23/EC。

自控调节阀

Automatic control regulating valve



序号	名称Name	型号Model	功能描述Function description
1	阀门定位器Valve positioner	IL-TOP-1831/1832	直线行程Straight stroke
2	阀门控制单元Valve control unit	C-TOP-1721	直线行程Straight stroke
3	阀门控制单元Valve control unit	C-TOP-1711	直线行程Straight stroke
4	阀门定位器Valve positioner	IL-TOP-2001	直线行程Straight stroke
5	阀门反馈器Valve position feedback	F-TOP-1553	直线行程-迷你型Straight stroke-Mini
6	阀门控制单元Valve control unit	C-TOP-1881	直线行程-迷你型Straight stroke-Mini
7	阀门控制单元Valve control unit	C-TOP-1561	旋转行程Rotation stroke
8	阀门反馈器Valve position feedback	F-TOP-1671	旋转行程Rotation stroke
9	阀门定位器Valve positioner	IL-TOP-1441/1442	旋转行程Rotation stroke
10	阀门定位器Valve positioner	IL-TOP-20A1	直线行程-迷你型Straight stroke-Mini



注意：具体详细参数和说明请查阅“东正阀门控制器”目录册。

Note: Please refer to the "Donjoy Valve Controller" catalog for specific detailed parameters and descriptions.

1441
1442



电源: DC24V ± 15%
输入: 0/4-20mA; 0-5/10V
反馈: 0/4-20mA; 0-5/10V
总线通讯: Mod BUS RS485

Power supply: DC24V ± 15%
Input: 0/4-20mA; 0-5/10V
Feedback: 0/4-20mA; 0-5/10V
Bus communication: Mod BUS RS485

1891



电源: DC24V ± 15%
输入: 4-20mA
反馈: 4-20mA
总线通讯: HART 6/7

Power supply: DC24V ± 15%
Input: 4-20mA
Feedback: 4-20mA
Bus communication: HART 6/7

1831
1832



电源: DC24V ± 15%
输入: 0/4-20mA; 0-5/10V
反馈: 0/4-20mA; 0-5/10V
总线通讯: Mod BUS RS485

Power supply: DC24V ± 15%
Input: 0/4-20mA; 0-5/10V
Feedback: 0/4-20mA; 0-5/10V
Bus communication: Mod BUS RS485

迷你型调节阀-IL-TOP-20A1
Mini regulating valve -IL-TOP-20A1



Input 4-20mA

直线行程-IL-TOP-1831/1832-调节阀系列
Linear motion - IL-TOP-1831/1832-regulating valve series



Input/output 0/4-20mA, 0-5V/10V, MOD BUS RS485

直线行程-IL-TOP-2001-调节阀系列
Linear motion - IL-TOP-2001-regulating valve series



Input/output 4-20mA

自控调节阀 Automatic control valve

旋转行程-IL-TOP-1441/1442/1891-调节阀系列 Rotary motion - IL-TOP-1441/1442/1891-regulating valve series



Input/output 0/4-20mA, 0-5V/10V, MOD BUS RS485, HART BUS 6/7

电动-调节阀系列 Electric-regulating valve series



Input/output 4-20mA, 0-10V

迷你型-IL-TOP-20A1-调节阀系列 Mini Type-IL-TOP-20A1-Regulating Valve Series



Input 4-20mA

隔膜阀 Diaphragm valve

GM-type



东正制造高洁净隔膜阀已经有20年历史，且为各领域应用超过50多万只，涉及到品种超过300余种，从直通、三通、U型三通、多通道、调节式，手动、气动、电动可互换。

Donjoy has been manufacturing high-cleanliness diaphragm valves for 20 years and has applied more than 500,000 pieces in various fields, involving more than 300 varieties, from straight-through, three-way, U-shaped three-way, multi-channel, adjustable, manual, Pneumatic and electric are interchangeable.



隔膜阀认证

- 制造工艺中用到的所有合成树脂和添加剂都符合FDA认证
- 材料化学成分、物理性能和制造工艺都备有证明文件
- 所有隔膜片FDA一致性认证
- -21-CFR-FDA 177.1550 全氟合成树脂
- -21-CFR-FDA-177.2600 橡胶
- USP 28CLASS VI CHAPTER 87 IN VITON和CHAPTER 88 IN-VITON一致性认证
- 3-A一致性认证 N.O.: 54-02-1580
- EN 10204-3.1关于不锈钢化学成分合成追溯性证书
- CE-PED/97/23/EC N.O.: TUV DGR 0036-QS-1153-14

Certificates

- All synthetic resin and additive are comply with FDA certification
- Material chemical composition, physical properties and manufacturing process are documented
- All diaphragm seal consistency with FDA certificate
- -21-CFR-FDA 177.1550 perfluorocarbon synthetic resin
- -21-CFR-FDA-177.2600 rubber
- USP 28 class VI CHAPTER 87 IN VITON and CHAPTER 88 IN - VITON consistency the authentication
- 3-A consistency the authentication
- EN 10204-3.1 Certificate on traceability of stainless steel Chemical composition synthesis
- CE-PED/97/23/EC N.O.: TUV DGR 0036-QS-1153-14

隔膜阀 Diaphragm valve

技术特点

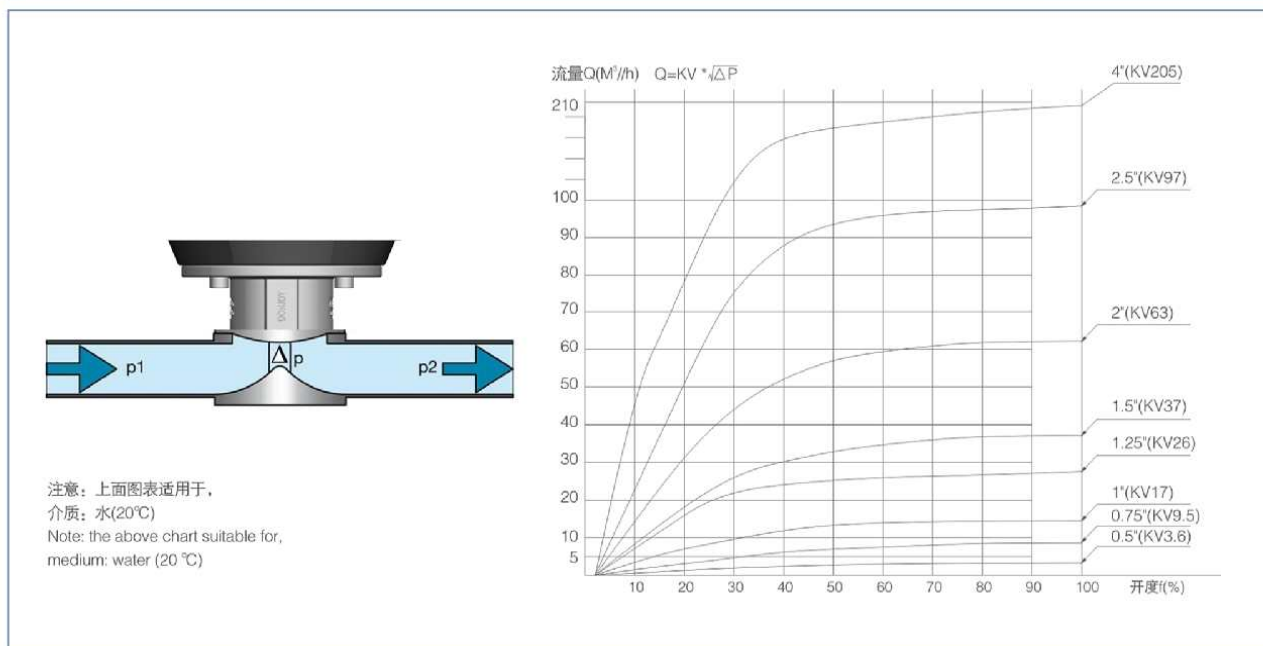
- 规格: 1/4"-4", DN6-DN100
- 材质: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力: 真空 ~10bar(1.0 Mpa)
- 温度: -20°C 到 +150°C, 取决密封于材质
- 密封: EPDM SILICON FKM FFKM HNBR NBR EPDM+PTFE
- 连接标准: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式: 螺纹、卡箍、焊接、法兰
- 驱动方式: 手动、气动、电动
- 粗糙度: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证: FDA 177.2600; 3A-18-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC.

Technical Features

- Size: 1/4"-4", DN6-DN100
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0 Mpa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Seal: EPDM SILICON FKM FFKM HNBR NBR EPDM+PTFE
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection way: threaded, clamp, welding, flange
- Drive mode: manual, pneumatic, electric
- Roughness: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A-18-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC.



隔膜阀流量/选择(开度f)图表 Diaphragm valve flow /choose (open degree f) chart



注意: 开关量KV曲线仅供参考, 100%开度为精确KV值 Note: On-off KV curve for reference, 100% open is accurate KV value

GM-Mini type

迷你隔膜阀
Mini diaphragm valve



GM-Z type

直通隔膜阀
Direct diaphragm valve



隔膜阀 Diaphragm valve

GM-T type

三通隔膜阀
Three-way diaphragm valve



GM-UB type

三通隔膜阀-UB
Three-way diaphragm valve-UB



GM-UC type

三通隔膜阀-UC
Three-way diaphragm valve-UC



组合式多通道隔膜阀
Combined multi-port diaphragm valve

组合式多通道隔膜阀设计方案不计其数，以下仅为例举；
 我们设计死区方案遵循 $\leq 3D$ 为原则。

Multi-port diaphragm valve has a great diversity of design scheme, below only for example;
 the design scheme according to dead zone $\leq 3D$.



多通道隔膜阀
Multi-port diaphragm valve

因多通道隔膜阀设计多达100多种，以下仅为例举，也可按照用户实际需求定制，
 我们设计死区方案遵循 $\leq 1D$ 为原则。

As design of multi-port diaphragm valve more than 100 types, below only for example, also
 can be customized according to customer's request, the design scheme according to dead
 zone $\leq 1D$.



GM-GD type

罐底隔膜阀
Tank bottom diaphragm valve



径向隔膜阀 Radial diaphragm valve

GM-JX type



具有维护安装简单、高效、体积小、重量轻、流阻小，经济等特点。阀体组合形式多达20余种设计。

It has the characteristics of simple maintenance and installation, high efficiency, small size, light weight, low flow resistance and economy. There are more than 20 types of valve body combinations.



隔膜阀认证

- 制造工艺中用到的所有合成树脂和添加剂都符合FDA认证
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- 3-A一致性认证 NO.: 54-02-1580
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Certificates

- All synthetic resin and additive are comply with FDA certification
- Material chemical composition, physical properties and manufacturing process are documented
- All diaphragm seal consistency with FDA certificate
- -21-CFR-FDA 177.1550 perfluorocarbon synthetic resin
- -21-CFR-FDA-177.2600 rubber
- USP 28 class VI CHAPTER 87 IN VITON and CHAPTER 88 IN - VITON consistency the authentication
- 3 - A consistency the authentication NO.: 54-02-1580
- EN 10204-3.1 Certificate on traceability of stainless steel Chemical composition synthesis
- CE-PED/97/23/EC N.O.: TUV DGR 0036-QS-1153-14

技术特点

- 规格：1/2"-3"，DN10-DN65
- 材质：316L/1.4404，ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力：真空~10bar(1.0 Mpa)
- 温度：-20°C 到 +150°C，取决密封于材质
- 密封：EPDM FKM PTFE
- 连接标准：DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式：螺纹、卡箍、焊接、法兰
- 驱动方式：手动、气动、电动
- 粗糙度：Ra≤0.6 μm；MP=Ra≤0.3 μm；EP=Ra≤0.3 μm
- 认证：FDA 177.2600；3A-18-03；Glass II USP Glass VI Chapter 88；GB4806.11；EG VO/1935-2004；PED/97/23/EC。

Technical Features

- Size: 1/2"-3", DN10-DN65
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0Mpa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Seal: EPDM FKM PTFE
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection way: threaded, clamp, welding, flange
- Drive mode: manual, pneumatic, electric
- Roughness: Ra≤0.6 μm；MP=Ra≤0.3 μm；EP=Ra≤0.3 μm
- Certification: FDA 177.2600；3A-18-03；Glass II USP Glass VI Chapter 88；GB4806.11；EG VO/1935-2004；PED/97/23/EC.



对夹蝶阀

D71 Wafer Butterfly Valve

DF-D71 type



小扭矩，长寿命
非常灵活的功能配置
Small torque, Long life
Very flexible function configuration

技术特点

- 规格 SIZE: 1.5"-12", DN40-DN300
- 材质 Material: 阀体 CF8(304); 阀板 CF3M(316L); CF8(304); 不锈钢+PFA
- 压力: PN10; PN16
- 温度: EPDM -20°C 到 +130°C, 取决密封于材质
- 密封: EPDM SILICON FKM HNBR NBR PTFE TFM
- 连接方式: 对夹式, 凸耳式
- 驱动方式: 手动、气动、电动

Technical Features

- Size: 1.5"-12", DN40-DN300
- Material: Valve body CF8 (304); Valve plate CF3M (316L); CF8 (304); Stainless steel + PFA
- Pressure: PN10; Pn16
- Temperature: EPDM -20°C to +130°C, Depending on the seal material
- Seal: EPDM SILICON FKM HNBR NBR PTFE TFM
- Connection method: clip type, lug type
- Drive mode: manual, pneumatic, electric

操作扭矩 Operating torque(N.M)

操作扭矩 Operating torque(N.M)	DN40/-1.5"	DN50/-2"	DN65/-2.5"	DN80/-3"	DN100/-4"	DN125/-5"	DN150/-6"	DN200/-8"	DN250/-10"	DN300/-12"
	18	25	30	50	50	60	75	80	100	130

在压力10kgr/cm²下检测 Test under pressure of 10kgrs cm²



三通蝶阀

Three-way butterfly valve

DF-3T type



同步三通蝶阀:

一个驱动装置即可实现L型和T型三通应用，启闭同步、小扭矩、长寿命、无滞留、无死角、非常灵活功能组合、且具有高效、经济、简单。

异步三通蝶阀:

多个驱动装置，每个驱动分别独立自由控制阀门。

Synchronous three-way butterfly valve:

One drive device can realize L-type and T-type three-way applications, opening and closing synchronization, low torque, long life, no retention, no dead angles, very flexible function combination, and it is efficient, economical and simple.

Asynchronous three-way butterfly valve:

Multiple drive devices, each drive independently and freely control the valve

技术特点

- 规格: 1"-4", DN25-DN100
- 材质: 304/1.4301, 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力: 真空 ~10bar(1.0 MPa)
- 温度: EPDM -20°C 到 +130°C, 取决密封于材质
- 密封: EPDM SILICON FKM FFKM HNBR FVMQ NBR
- 连接标准: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式: 螺纹、卡箍、焊接、法兰
- 驱动方式: 手动、气动、电动
- 光洁度: Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证: FDA 177.2600; 3A-18-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC

Technical Features

- Size: 1"-4", DN25-DN100
- Material: 304/1.4301, 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: Vacuum to 10bar (1.0 MPa)
- Temperature: EPDM -20°C to +130°C, Depending on the seal material
- Seal: EPDM SILICON FKM FFKM HNBR FVMQ NBR
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: thread, clamp, welding, flange
- Drive mode: manual, pneumatic, electric
- Finish: Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A-18-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC

操作扭矩 Operating torque(N.M)

操作扭矩 Operating torque(N.M)	25-1"	40-1 1/2"	50-2"	2 1/2"	65	3'	80	100-4"	125	150
	3	4	5	10	12	14	18	25	40	55

在压力10kgr/cm²下检测 Test under pressure of 10kgrs cm²

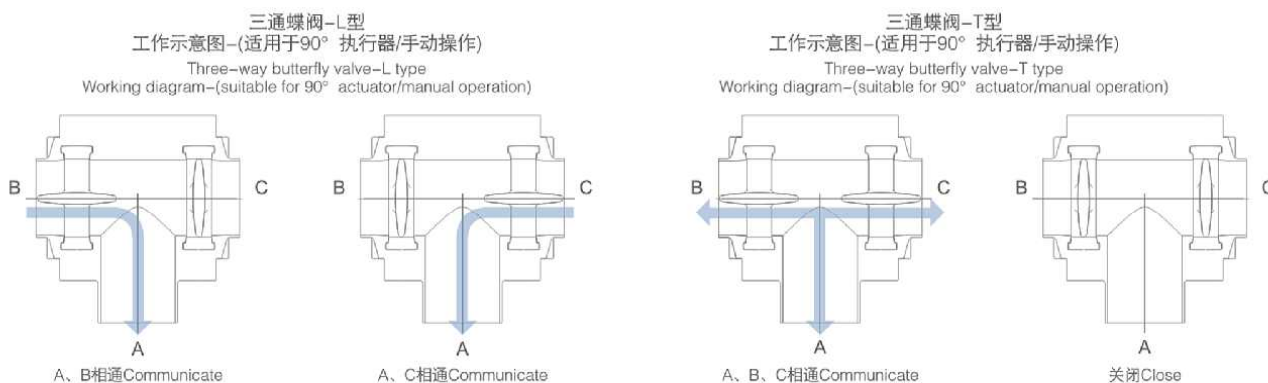
三通蝶阀 Three-way butterfly valve

同步三通蝶阀 Synchronous three-way butterfly valve

- | | |
|-----------------|-----------------------------------------------------------|
| 1: 手动三通蝶阀 | 1: Manual three-way butterfly valve |
| 2: 气动三通蝶阀 | 2: Pneumatic three-way butterfly valve |
| 3: 气动三通蝶阀+反馈器 | 3: Pneumatic three-way butterfly valve + feedback device |
| 4: 气动三通蝶阀+控制器 | 4: Pneumatic three-way butterfly valve + controller |
| 5: 气动三通蝶阀+阀门定位器 | 5: Pneumatic three-way butterfly valve + valve positioner |



三通蝶阀工作示意图 Working diagram of three-way butterfly valve



异步三通蝶阀 Asynchronous three-way butterfly valve

手动异步三通蝶阀 Manual asynchronous three-way butterfly valve

每个阀门为独立控制
Each valve is independently controlled



气动异步三通蝶阀 Pneumatic asynchronous three-way butterfly valve

每个阀门可独立控制也可集中控制
Each valve can be controlled independently or centrally



标准阀体 Standard body



夹套保温阀体 Jacket insulation valve body

防混蝶阀

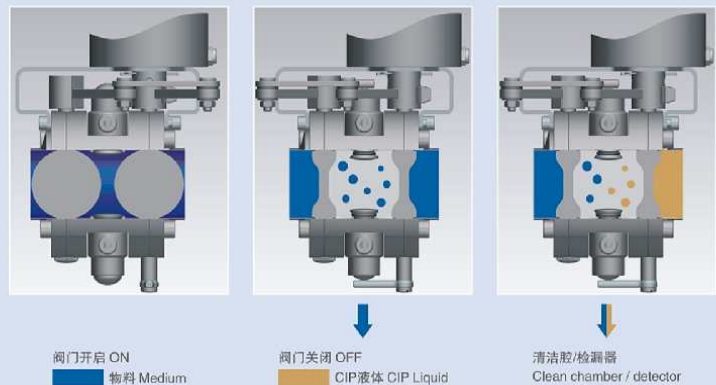
Mixproof butterfly valve

DF-FHB type



双座密封保护、内泄露可观察、
阀腔可清洗、零污染风险

Double seat seal protection, Internal leakage can be observed, Valve cavity can be cleaned, Zero pollution risk



产品概述

DF-FHB系列防混双座蝶阀是一款广泛应用于食品、制药、饮料、啤酒、白酒、水处理、化妆品、新能源、日化洗涤等各种行业流体过程应用。该防混蝶阀提供了简易及安全的物料分离方式以便在密封圈损坏的情况下也能防止物料的意外混合。它最常用于隔离那些需要安全分离的物料以及单组CIP清洗(不是阀阵组件), 或者在阀阵组件终端(例如CIP回程)或者CIP溶液输入到罐内(通过清洗球)。

Product description

DF-FHB series mixproof double seat butterfly valve is widely used in various industrial fluid process applications such as food, pharmaceutical, beverage, beer, liquor, water treatment, cosmetics, new energy, daily washing and so on. The mixproof butterfly valve provides an easy and safe means of material separation to prevent accidental mixing of materials in the event of damage to the seal. It is most commonly used to isolate materials that require safe separation and a single set of CIP cleaning (not a valve array assembly), or into the tank assembly terminal (eg, CIP return) or CIP solution into the tank (by cleaning the ball).

技术特点

- 规格: 1.5"-4", DN40-DN100
- 材质: 304/1.4301, 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力: 真空 ~10bar (1.0 MPa)
- 温度: EPDM -20°C 到 +130°C, 取决密封于材质
- 密封: EPDM SILICON FKM FFKM HNBR FVMQ NBR
- 连接标准: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式: 螺纹、卡箍、焊接、法兰
- 驱动方式: 手动、气动
- 光洁度: Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证: FDA 177.2600; 3A-18-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC

Technical Features

- Size: 1.5"-4", DN40-DN100
- Material: 304/1.4301, 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0 MPa)
- Temperature: EPDM -20 °C to +130°C, Depending on the seal material
- Seal: EPDM SILICON FKM FFKM HNBR FVMQ NBR
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: thread clamp, welding, flange
- Drive mode: manual, pneumatic.
- Surface: Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A-18-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC

防混蝶阀

Mixproof butterfly valve

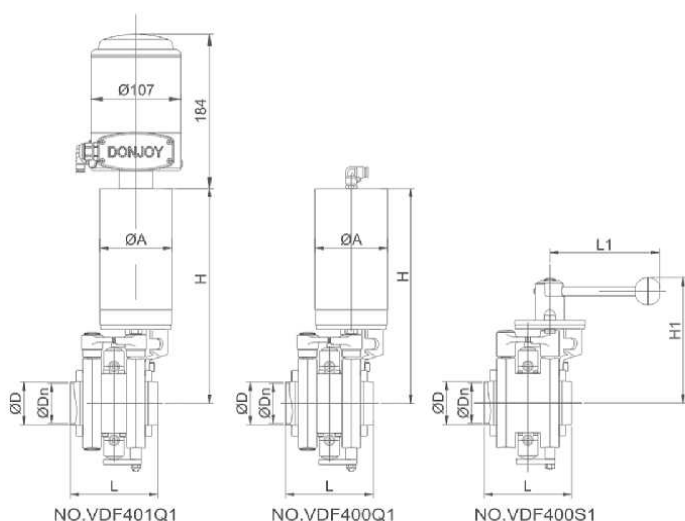
操作扭矩 Operating torque(N.M)

操作扭矩 Operating torque(N.M)	DN40/-1.5"	DN50/-2"	2.5"	DN65	3"	DN80/-3.5"	DN100/-4"
	10	15	20	25	30	40	55

在压力10kgrs/cm²下检测 Test under pressure of 10kgrs cm²



- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> 1、手动防混蝶阀 2、卧式气动防混蝶阀 3、气动防混蝶阀+控制单元 C-TOP-1881 4、气动防混蝶阀+位置反馈器 F-TOP-1553 5、气动防混蝶阀+控制单元 C-TOP-1711 6、气动防混蝶阀+控制单元 C-TOP-1721 | <ul style="list-style-type: none"> 1. Manual anti-mixing butterfly valve 2. Horizontal pneumatic anti-mixing butterfly valve 3. Pneumatic mixing-proof butterfly valve + control unit C-TOP-1881 4. Pneumatic mixing-proof butterfly valve + position feedback device F-TOP-1553 5. Pneumatic mixing-proof butterfly valve + control unit C-TOP-1711 6. Pneumatic mixing-proof butterfly valve + control unit C-TOP-1721 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



INCH

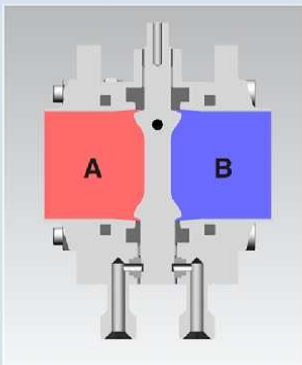
SIZE	Dn	D	L	L1	H	H1	A
1.5"	34.8	38.1	102	133	248	141	86
2"	47.8	50.8	104	133	255.5	150	86
2.5"	59.5	63.5	126	144	326.5	168	113
3"	72.2	76.2	140	144	333.5	174.5	113
3.5"	85	89	144	160	339.5	183	113
4"	97.6	101.6	168	160	349.5	193	113

DIN

SIZE	Dn	D	L	L1	H	H1	A
DN40	37	40	102	133	248	141	86
DN50	49	52	104	133	255.5	150	86
DN65	66	70	126	144	331.5	172.5	113
DN80	81	85	144	160	339.5	183	113
DN100	100	104	168	160	349.5	193	113

双座密封保护、内泄露可观察、
阀腔可清洗、零污染风险

Double seat seal protection, Internal
leakage can be observed, Valve cavity can
be cleaned, Zero pollution risk



DF-FHA type



产品概述

DF-FHA系列防混双座蝶阀是一款广泛应用于食品、制药、饮料、啤酒、白酒、水处理、化妆品、新能源、日化洗涤等各种行业流体过程应用。该防混蝶阀提供了简易及安全的物料分离方式以便在密封圈损坏的情况下也能防止物料的意外混合。它最常用于隔离那些需要安全分离的物料以及单组CIP清洗(不是阀阵组件), 或者在阀阵组件终端(例如CIP回程)或者CIP溶液输入到罐内(通过清洗球)。

Product description

DF-FHA series mixproof double seat butterfly valve is widely used in various industrial fluid process applications such as food, pharmaceutical, beverage, beer, liquor, water treatment, cosmetics, new energy, daily washing and so on. The mixproof butterfly valve provides an easy and safe means of material separation to prevent accidental mixing of materials in the event of damage to the seal. It is most commonly used to isolate materials that require safe separation and a single set of CIP cleaning (not a valve array assembly), or into the tank assembly terminal (eg, CIP return) or CIP solution into the tank (by cleaning the ball).

技术特点

- 规格: 2"-4", DN50-DN100
- 材质: 304/1.4301, 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力: 真空~10bar(1.0 MPa)
- 温度: EPDM -20°C到+130°C, 取决密封于材质
- 密封: EPDM SILICON FKM FFKM HNBR FVMQ NBR
- 连接标准: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式: 螺纹、卡箍、焊接、法兰
- 驱动方式: 手动、气动
- 光洁度: Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证: FDA 177.2600; 3A-18-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC

Technical Features

- Size: 2"-4", DN50-DN100
- Material: 304/1.4301, 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0 MPa)
- Temperature: EPDM -20°C to +130°C, Depending on the seal material
- Seal: EPDM SILICON FKM FFKM HNBR FVMQ NBR
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: thread clamp, welding, flange
- Drive mode: manual, pneumatic
- Surface: Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A-18-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC

防混蝶阀 Mixproof butterfly valve

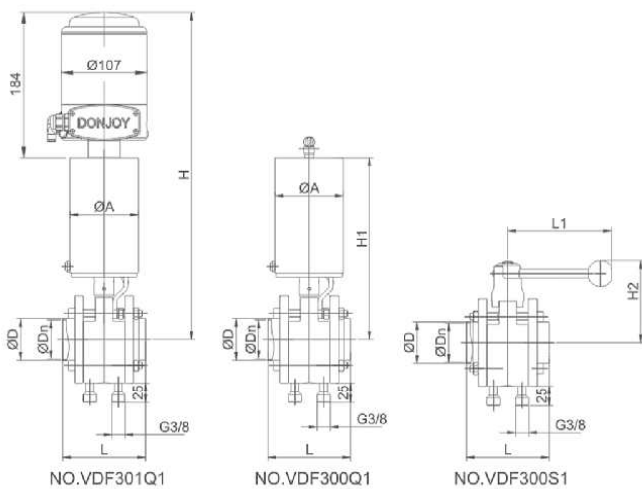
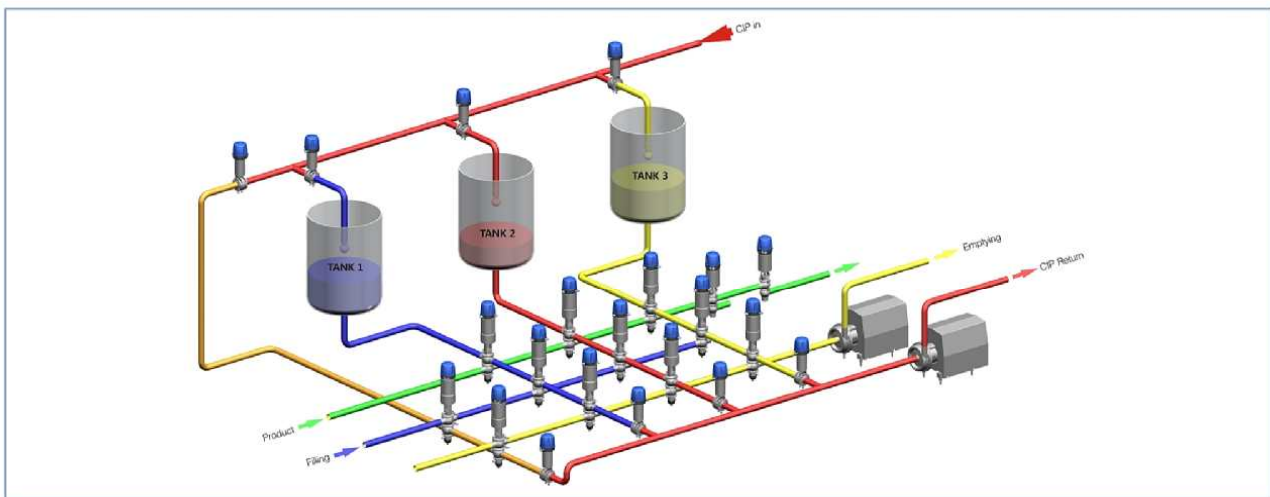
操作扭矩 Operating torque(N.M)

操作扭矩 Operating torque(N.M)	DN50/-2"	2.5"	DN65	3"	DN80	DN100/-4"
	15	20	25	30	40	55

在压力10kgrc/cm²下检测 Test under pressure of 10kgrc cm²



典型应用 Typical application



INCH

SIZE	Dn	D	L	L1	H	H1	H2	A
2"	47.8	50.8	104	133	423	239	102	86
2.5"	59.5	63.5	112	144	489	305	106.5	113
3"	72.2	76.2	116	144	497	313	113	113
4"	97.6	101.6	128	160	512	328	131	113

DIN

SIZE	Dn	D	L	L1	H	H1	H2	A
DN50	49	52	104	133	423	239	102	86
DN65	66	70	112	144	494	310	111.5	113
DN80	81	85	120	144	502	318	120.5	113
DN100	100	104	128	144	512	328	131	113

粉体蝶阀

Powder butterfly valve

DF-F type



超小摩擦力，超长寿命，极易清洗，极易拆卸，压力可调，适用真空——粉体系统的解决方案

Small friction Long life Easy to clean Easy to disassemble Pressure can be adjusted Suit for vacuum Powder system solution



粉固体蝶阀

DJ-DF-F蝶阀主要设计应用于粉体、颗粒、胶囊等各种容器设备系统上，该蝶阀具有标准蝶阀所不具备的特点，如超小扭矩，密封启闭不产生过量摩擦，超长寿命、无密封粉末脱落、超短阀体、承受压力可调。该阀门无需专业工具拆卸、维护、清洗，安全、可靠，且成本低、操作简单，也可以手动、气动、电动配置互换。

技术特点

- 规格 SIZE: 2.5"-12", DN65-DN300
- 材质 Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 温度: EPDM -20°C 到 +130°C, 取决密封于材质
- 密封: EPDM SILICON FKM FFKM HNBR FVMQ NBR
- 连接标准: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式: 卡箍、焊接、法兰、罐底法兰
- 驱动方式: 手动、气动、电动
- 光洁度: Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证: FDA 177.2600; 3A-18-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC

Powder solid butterfly valve

DJ-DF-F butterfly valve is mainly designed and used for all kinds of container equipments of powder, granule, capsule etc. This butterfly valve have characteristics, which the normal butterfly don't have, like small torque, no much friction when seal open and close, long life, no seal powder fall off, short valve body, bear pressure can be adjusted. This valve can be disassembled, maintained and cleaned without professional tool. It is safe, reliable and lower cost. Easy operation, manual, pneumatic and motor-driven configuration valve can be interchanged.

Technical Features

- Size: 2.5"-12", DN65-DN300
- Material Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Temperature: EPDM -20°C to +130°C, Depending on the seal material
- Seal: EPDM SILICON FKM FFKM HNBR FVMQ NBR
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: clamp, welding, flange, tank bottom flange
- Drive mode: manual, pneumatic, electric
- Surface: Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A-18-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC

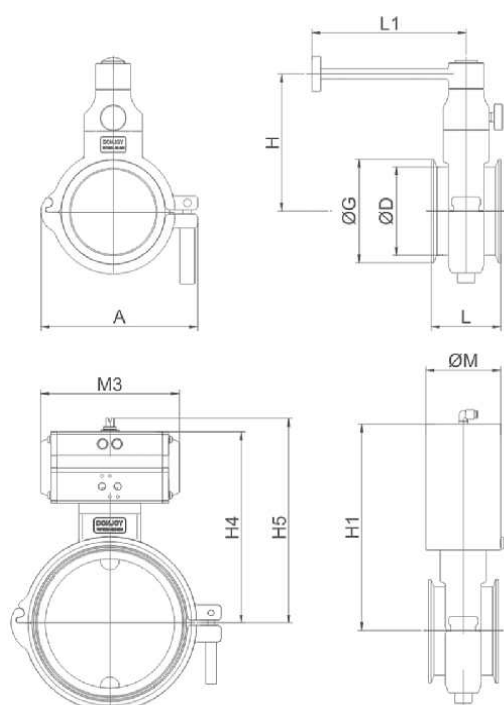
粉体蝶阀 Powder butterfly valve

操作扭矩 Operating torque(N.M)

操作扭矩 Operating torque(N.M)	2.5"	DN65/3"	DN80	DN100/4"	DN125/5"	DN150/6"	DN200/8"	DN250/10"	DN300/12"
	10	14	20	25	35	45	55	65	65



典型应用 Typical application



规格 Size	A	手动 Manual		卧式气动 Horizontal pneumatic		立式气动 Vertical pneumatic	
		L1	H	H5	M3	M	H1
2.5"	122	160	112	181	190	86	218
3"/DN65	122	160	118	187	190	86	223.5
4"/DN100	180	160	158	214	205	86	238
5"/DN125	216	200	207	248	212	113	317
6"/DN150	240	200	207	276	212	113	330
8"/DN200	321	260	243	313	212	138	403
10"/DN250	378	260	268	350	259	138	429
12"-DN300	378	260	268	350	259	138	429

通用蝶阀

Regular butterfly valve

DF-TY type

东正生产蝶阀至今已有27多年，为各行业制造超过300万只，非常灵活阀体组合，超长寿命，超小扭矩，锻造阀体，锻造阀板，全自动机器人生产线。

Donjoy has been producing butterfly valves for more than 27 years. Manufacturing more than 3 million units for various industries, Very flexible valve body combination, long life, ultra-low torque, Forged valve body, forged valve plate, Fully automatic robot production line.



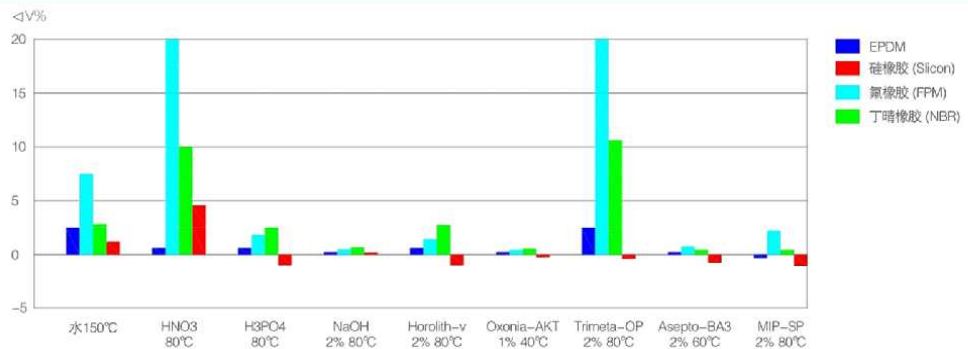
技术特点

- 规格：1/2"–12", DN10–DN300
- 材质：304/1.4301, 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力：真空 ~10bar(1.0 MPa)
- 温度：EPDM -20°C 到 +130°C, 取决密封于材质
- 密封：EPDM SILICON FKM FFKM HNBR FVMQ NBR
- 连接标准：DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式：螺纹、卡箍、焊接、法兰
- 驱动方式：手动、涡轮、气动、电动
- 光洁度：Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证：FDA 177.2600; 3A–18–03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935–2004; PED/97/23/EC;

Technical Features

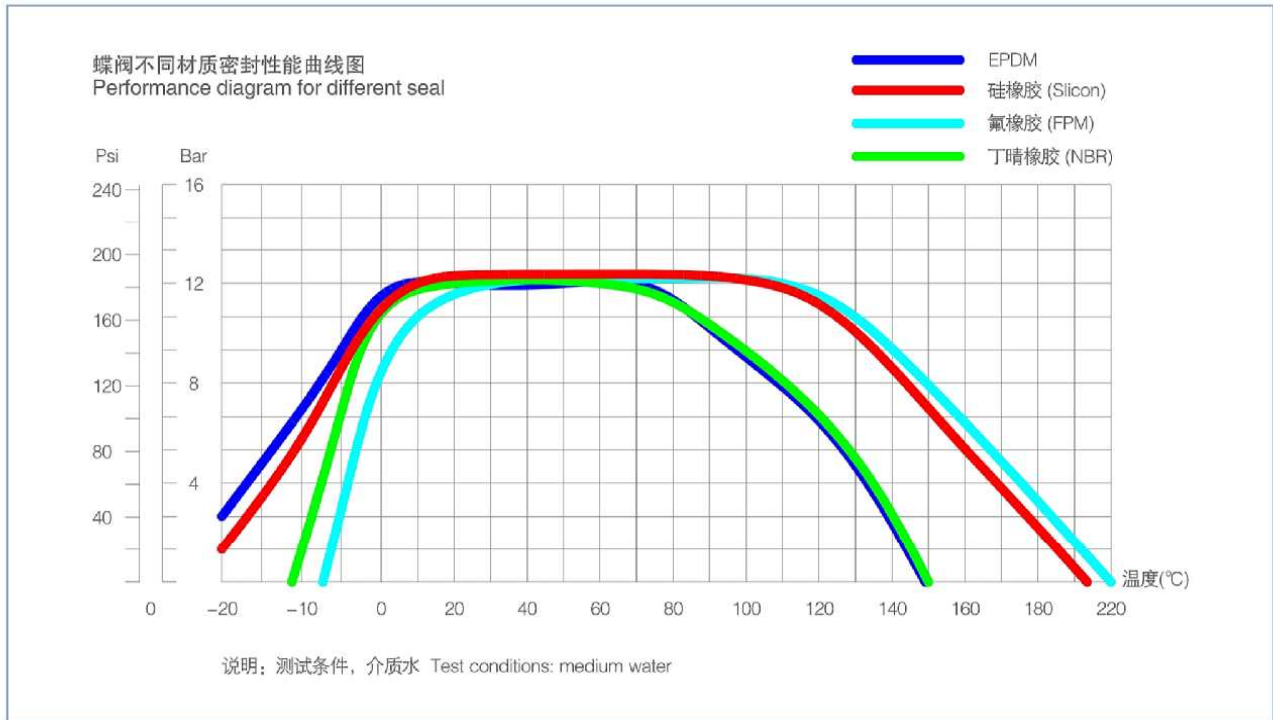
- Size: 1/2"–12", DN10–DN300
- Material: 304/1.4301, 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0 MPa)
- Temperature: EPDM -20°C to +130°C, Depending on the seal material
- Seal: EPDM SILICON FKM FFKM HNBR FVMQ NBR
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: thread clamp, welding, flange
- Drive mode: manual, turbo, pneumatic, electric
- Surface: Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A–18–03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935–2004; PED/97/23/EC;

对介质的耐抗性
-体积变化率%
Medium resistance
- volume change rate %



通用蝶阀

Regular butterfly valve



操作扭矩 Operating torque(N.M)

操作扭矩 Operating torque(N.M)	25-1"	40-1 1/2"	50-2"	2 1/2"	65	3"	80	100-4"	125	150
	3	4	5	10	12	14	18	25	40	55

在压力10kgrs/cm²下检测 Test under pressure of 10kgrs cm²



手动蝶阀-各种配置 Manual butterfly valve - various configurations



功能配置

- M: 光杆蝶阀
- M1: 多位手柄蝶阀
- M2: 多阀位塑料手柄蝶阀
- M3: 拉杆手柄蝶阀
- M4: 涡轮微调手轮蝶阀
- M5: 多阀位不锈钢手柄蝶阀+锁
- M6: 涡轮驱动蝶阀
- M7: 不锈钢拉杆蝶阀+位置传感器
- M8: 多阀位不锈钢手柄蝶阀

Functional configuration

- M: Butterfly valve without handle
- M1: Multi-position handle butterfly valve
- M2: Multi-position plastic handle butterfly valve
- M3: Pull handle butterfly valve
- M4: Fine-tuning handwheel butterfly valve
- M5: Multi-position stainless steel handle butterfly valve+lock
- M6: Turbine drive butterfly valve
- M7: Stainless steel pull handle butterfly valve + position sensor
- M8: Multi-position stainless steel handle butterfly valve



JP-1



JP-2

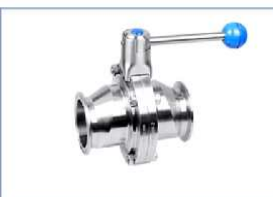


JP-3



日本款式蝶阀 Butterfly valve for Japan

规格 Size: 10A-100A
 阀体 Valve body: 卡箍式 Clamped
 连接 Connection: 卡箍式, 快速卡箍
 Clamped, quick clamped
 材质 Material: SUS 304, SUS316L



异径偏心蝶阀

异径偏心蝶阀主要解决因中线阀板设计引起的颗粒流通 \leq 半径, 该蝶阀颗粒流通能力等于通径尺寸

Eccentric butterfly valve

Eccentric butterfly valve mainly solves the particle flow \leq radius caused by the centerline valve plate design, particle flow capacity of the eccentric butterfly valve is equal to the size of the passage

通用蝶阀

Regular butterfly valve

功能配置

- A: 蝶阀+支架
- A1: 不锈钢立式气动蝶阀
- A2: 不锈钢立式气动蝶阀+控制单元-1711(黑色外壳)
- A3: 不锈钢立式气动蝶阀+位置反馈器-1553
- A4: 不锈钢立式气动蝶阀+控制单元-1721
- A5: 不锈钢立式气动蝶阀+控制单元-1881
- A6: 不锈钢立式气动蝶阀+控制单元-1711(白色外壳)
- A7: 不锈钢立式气动蝶阀+阀门定位器-1831
- A8: 卧式气动蝶阀+位置反馈器+电磁阀+减压阀
- A9: 卧式气动蝶阀+控制单元-1561
- A10: 卧式气动蝶阀
- A11: 卧式气动蝶阀+阀门定位器-1441
- A12: 卧式气动蝶阀+防爆阀门定位器-1891

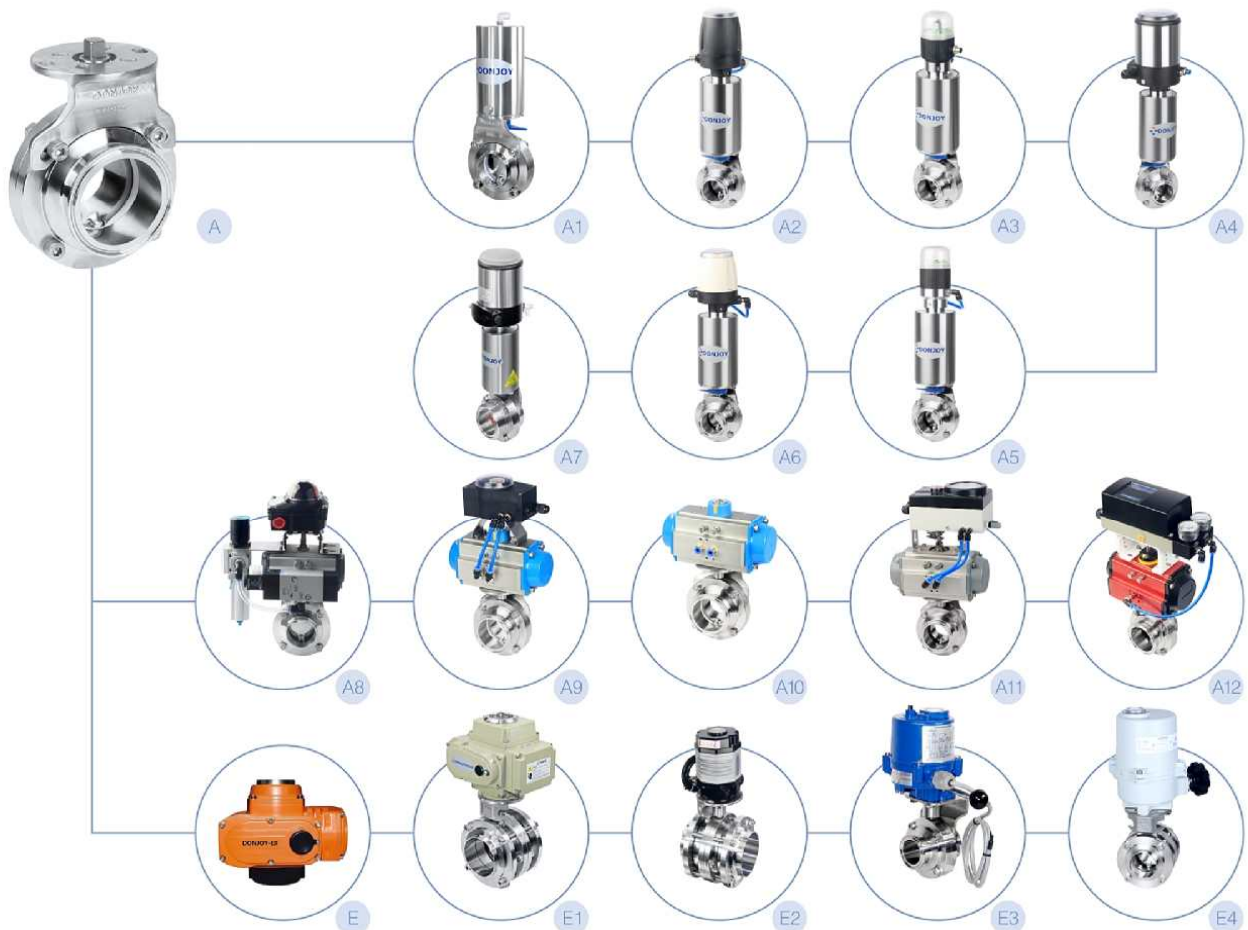
- E: 防爆电动执行器
- E1: 蝶阀+电动执行器
- E2: 蝶阀+迷你电动执行器
- E3: 蝶阀+圆形电动执行器
- E4: 蝶阀+圆形电动执行器

Functional configuration

- A: butterfly valve + bracket
- A1: Stainless steel vertical pneumatic butterfly valve
- A2: stainless steel vertical pneumatic butterfly valve + control unit-1711 (black housing)
- A3: stainless steel vertical pneumatic butterfly valve + position feedback device-1553
- A4: stainless steel vertical pneumatic butterfly valve + control unit-1721
- A5: stainless steel vertical pneumatic butterfly valve + control unit-1881
- A6: Stainless steel vertical pneumatic butterfly valve + control unit-1711 (white housing)
- A7: stainless steel vertical pneumatic butterfly valve + valve positioner-1831
- A8: Horizontal pneumatic butterfly valve + position feedback device + solenoid valve + pressure reducing valve
- A9: Horizontal pneumatic butterfly valve + control unit-1561
- A10: Horizontal pneumatic butterfly valve
- A11: Horizontal pneumatic butterfly valve + valve positioner-1441
- A12: Horizontal pneumatic butterfly valve + explosion-proof valve positioner-1891

- E: Explosion-proof electric actuator
- E1: butterfly valve + electric actuator
- E2: butterfly valve + mini electric actuator
- E3: butterfly valve + circular electric actuator
- E4: butterfly valve + circular electric actuator

气动蝶阀-各种配置 Pneumatic butterfly valve - various configurations



球阀 Ball valve



东正生产球阀至今已有20多年，
为各行业制造超过300万只
非常灵活阀体组合，超长寿命，超小扭矩
锻造阀体，锻造阀板
全自动机器人生产线

Donjoy has been producing ball valves for more than 20 years and has produced more than 3 million for various industries
Very flexible valve body combination, super long life, super small torque
Forged valve body, forged valve plate
Automatic robot production line

产品概述

东正系列球阀严格按照美国3-A-68-00高洁净要求设计，具有扭矩小，长寿命、全脱脂、密封弹性补偿、体积小、内部无滞留、外观接近于无死角、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠的系列卫生球阀。经过20多年及超过300万只制造和应用经验并综合了当前最新的技术和材料应用，基于丰富的现场安装和产品应用经验创新设计而成。可应用于各种食品、制药、饮料、啤酒、白酒、水处理、化妆品、新能源、日化洗涤同时可等经过球清理等。



Product description

Donjoy series ball valves are designed in strict accordance with the high cleanliness requirements of the United States 3-A-68-00, with small torque, long life, full degreasing, sealing elastic compensation, small size, no internal retention, appearance close to no dead ends, and very flexible functional combination. It is economical, simple and reliable series sanitary ball valve that can be maintained without professional tools. After more than 20 years and more than 3 million pieces of manufacturing and application experience, combined with the latest technology and material applications, it is innovatively designed based on rich on-site installation and product application experience. It can be applied to all kinds of food, pharmaceuticals, beverages, beer, liquor, water treatment, cosmetics, new energy, daily chemical washing, etc. at the same time.

球阀

Ball valve

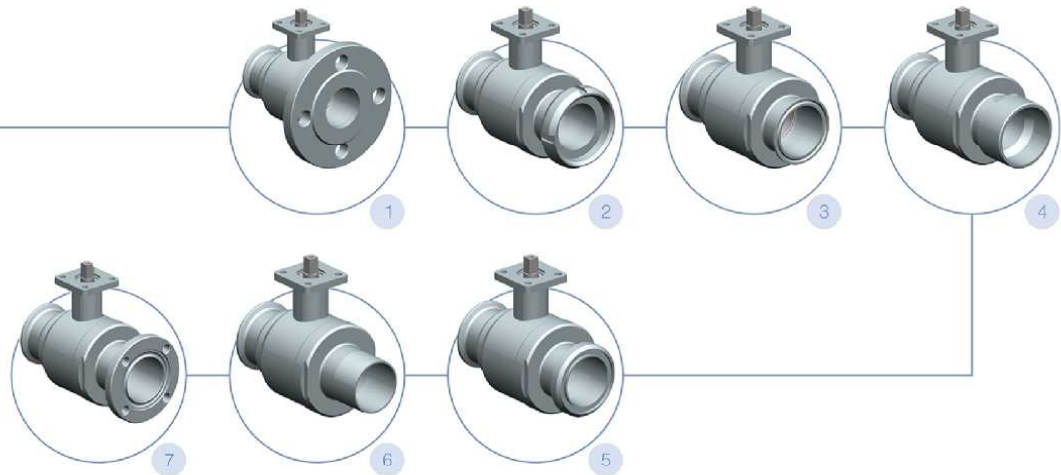
技术特点

- 规格: 1/2"-12", DN10-DN150
- 材质: 304/1.4301, 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力: 真空~10bar(1.0 MPa)
- 温度: PTFE -20°C 到+130°C, 取决密封于材质
- 密封: TFM; PTFE; PTFE+Carbon; PEEK
- 连接标准: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式: 螺纹、卡箍、焊接、法兰
- 驱动方式: 手动、涡轮、气动、电动
- 表面光洁度: Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证: FDA 177.2600; 3A-68-00; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC.

Technical Features

- Specifications: 1/2"-12", DN10-DN150
- Material: 304/1.4301, 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: Vacuum to 10bar (1.0 MPa)
- Temperature: PTFE -20°C to +130°C, Depending on the seal material
- Sealing: TFM; PTFE; PTFE+Carbon; PEEK
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: Thread, clamp, welding, flange
- Drive mode: manual, turbo, pneumatic, electric
- Surface finish: Ra≤0.8 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A-68-00; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC.

各种连接方式 Various connection type

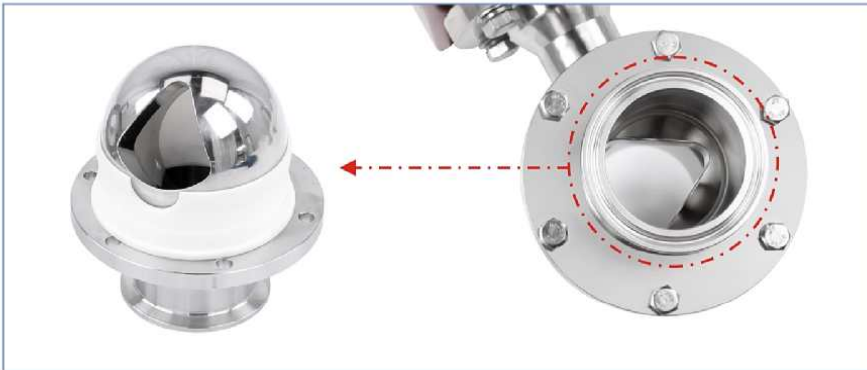


- | | |
|-------------------------------------|------------------------------------------------|
| 1、法兰接口 | 1. Flange interface |
| 2、螺母接口 DIN SMS IDF RJT ISO | 2. Nut interface DIN SMS IDF RJT ISO |
| 3、卡箍接头 ASME BPE 3A DIN ISO | 3. Clamp joint ASME BPE 3A DIN ISO |
| 4、内螺纹 DIN BSP BSPT NPT | 4. Female thread DIN BSP BSPT NPT |
| 5、外螺纹 DIN SMS IDF RJT ISO | 5. Male thread DIN SMS IDF RJT ISO |
| 6、对焊 DIN ASME BPE BS4825 ISO | 6. Butt welding DIN ASME BPE BS4825 ISO |
| 7、无菌法兰 DIN 11864 DIN 11853 ASME BPE | 7. Aseptic flange DIN 11864 DIN 11853 ASME BPE |

注意: 各种连接方式适用于, 所有的不同系列的球阀, 如直通、三通、迷你型、四通等。
 Note: Various connection type are applicable to all different series of ball valves, such as straight, three-way, mini, four-way, etc.



特殊球芯选择 Special core selection



V型球芯
V-shaped ball core

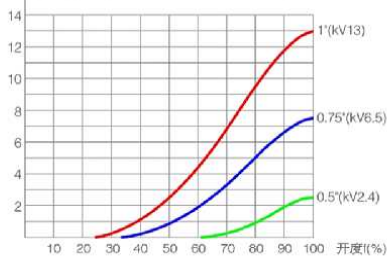


液体循环排泄孔
Liquid circulation drain hole

0.5"-1"

V型球阀压差流量曲线图
V-type ball valve differential pressure flow curve

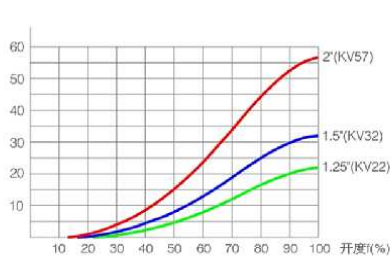
流量Q(M³/h) ΔP=100KPa Q=KV*√ΔP



1.25"-2"

V型球阀压差流量曲线图
V-type ball valve differential pressure flow curve

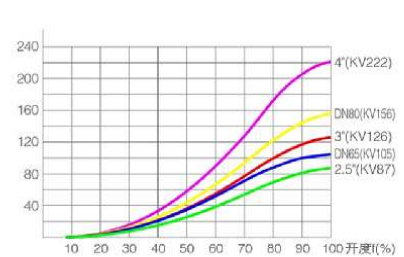
流量Q(M³/h) ΔP=100KPa Q=KV*√ΔP



2.5"-4"

V型球阀压差流量曲线图
V-type ball valve differential pressure flow curve

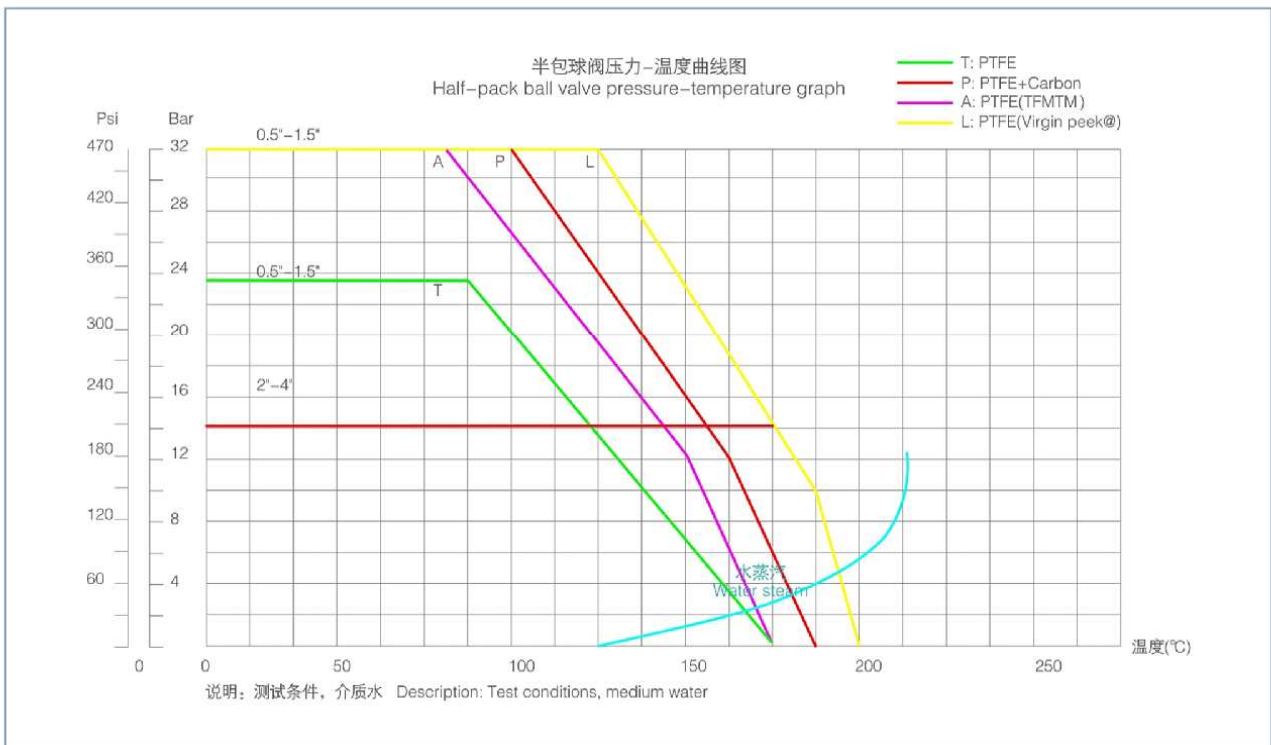
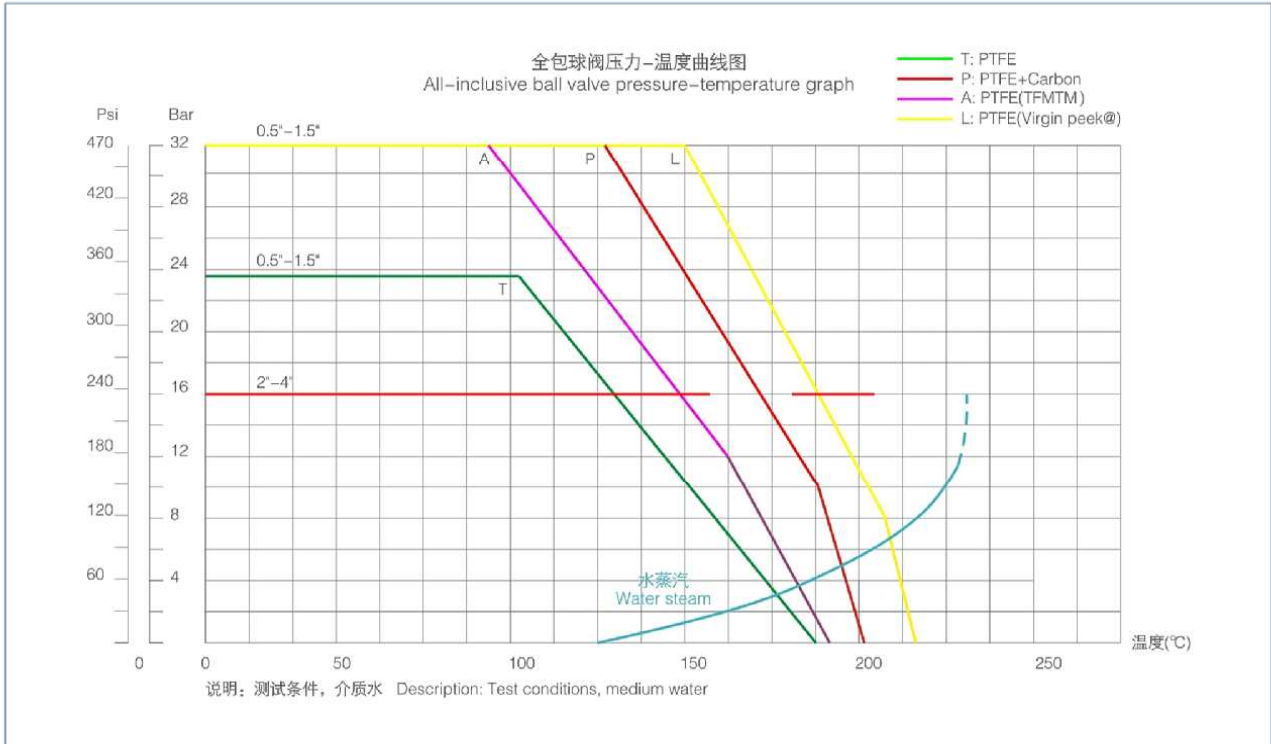
流量Q(M³/h) ΔP=100KPa Q=KV*√ΔP



注意：上面图表适用于，介质：水(20°C) 测量：按照VDI 2173。
Note: The above chart applies to, medium: water (20°C) measurement: according to VDI 2173

球阀 Ball valve

球阀工作压力和工作温度曲线图 Curve for ball valve working pressure and work temperature



ISO5211安装尺寸和扭矩，可能会因款式不同而会稍有不同。
 ISO5211 installation size and torque may be slightly different due to different styles.



规格 Size		法兰平台 ISO5211	阀杆方心 口	扭矩 N.M	
				直通	三通/四通
1/2"	DN10	F03/F04	8*8	6	7
3/4"	DN15				
1"	DN25	F04/F05		10	12
1.1/4"	DN32			12	15
1.5"	DN40	F05/F07	11*11	15	20
2"	DN50			25	32
2.5"	-	F07/F10	14*14	45	55
-	DN65			55	65
3"	-	65		75	
3.5"	DN80	80		90	
4"	DN100	F10/F12		110	125

QF-MINI Series

仅有2N.M扭矩，使用寿命长、全脱脂、密封弹性补偿、极小体积、内部无滞留、外观接近于无死角、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠。

Only 2N.M torque, long service life, full degreasing, sealing elastic compensation, very small size, no internal retention, appearance close to no dead ends, very flexible function combination, maintenance without professional tools, economical, simple and reliable.

迷你直通球阀 Mini straight ball valve



迷你三通球阀 Mini three-way ball valve



球阀 Ball valve

QF-2T Series

中头螺纹直通球阀 Middle threaded straight ball valve

小扭矩，使用寿命长、全脱脂、密封弹性补偿、体积小、内部有微量滞留、外观接近于无死角、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠。

Small torque, long service life, full degreasing, sealing elastic compensation, small size, trace retention inside, appearance close to no dead ends, very flexible function combination, maintenance without professional tools, economical, simple and reliable.



规格：1"-4"，DN25-DN100
Size: 1"-4"，DN25-DN100



QFK-2T Series

中头卡箍无滞留球阀 Middle clamp non-retention ball valve

小扭矩，使用寿命长、全脱脂、密封弹性补偿、体积小、内部无滞留、外观少量有死角、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠。

Small torque, long service life, full degreasing, sealing elastic compensation, small size, no internal retention, a few dead spots in appearance, very flexible function combination, maintenance without professional tools, economical, simple and reliable.



规格：1"-4"，DN25-DN100
Size: 1"-4"，DN25-DN100



球阀 Ball valve

QF-3P Series

三片式球阀 Three-piece ball valve

小扭矩，使用寿命长、全脱脂、密封弹性补偿、体积小、内部无滞留、外观有死角、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠。

Small torque, long service life, full degreasing, sealing elastic compensation, small size, no internal retention, dead angle in appearance, very flexible function combination, maintenance without professional tools, economical, simple and reliable.



QF-3P Series

三片式球阀 Three-piece ball valve

小扭矩，使用寿命长、全脱脂、密封弹性补偿、体积小、内部无滞留、外观有死角、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠。

Small torque, long service life, full degreasing, sealing elastic compensation, small size, no internal retention, dead angle in appearance, very flexible function combination, maintenance without professional tools, economical, simple and reliable.



球阀 Ball valve

QFW-3T Series

内外无滞留球阀 Inside & outside non-retention ball valve

小扭矩，使用寿命长、全脱脂、密封弹性补偿、体积小、内部无滞留、外观无死角、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠。

Small torque, long service life, full degreasing, sealing elastic compensation, small size, no internal retention, appearance close to no dead ends, very flexible function combination, maintenance without professional tools, economical, simple and reliable.



规格：1"-8"，DN25-DN200
Size: 1"-8"，DN25-DN200



QF-DX Series

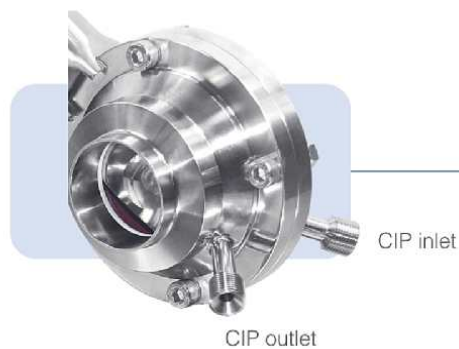
蝶式球阀 Butterfly type ball valve

小扭矩，使用寿命长、全脱脂、密封弹性补偿、体积小、内部有滞留、外观有死角、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠。

Small torque, long service life, full degreasing, sealing elastic compensation, small size, internal retention, dead spots in appearance, very flexible function combination, maintenance without professional tools, economical, simple and reliable.



规格：1"-4"，DN25-DN100
Size: 1"-4"，DN25-DN100



球阀 Ball valve

QFW-3T Series

三通无滞留球阀 Three-way non-retention ball valve

小扭矩，使用寿命长、全脱脂、密封弹性补偿、体积小、内部无滞留、外观接近于无死角、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠。

Small torque, long service life, full degreasing, sealing elastic compensation, small size, no internal retention, appearance close to no dead ends, very flexible function combination, maintenance without professional tools, economical, simple and reliable.



规格：1"–4"，DN25–DN100
Size: 1"–4"，DN25–DN100

QF-3T Series

三通球阀 Three-way ball valve

小扭矩，使用寿命长、全脱脂、密封弹性补偿、体积小、内部有滞留、外观接近于无死角、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠。

Small torque, long service life, full degreasing, sealing elastic compensation, small size, no internal retention, appearance close to no dead ends, very flexible function combination, maintenance without professional tools, economical, simple and reliable.

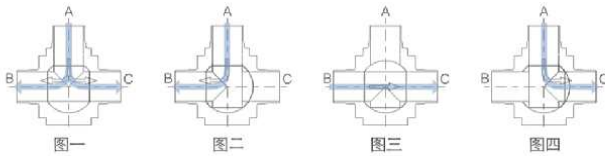


规格：1"–4"，DN25–DN100
Size: 1"–4"，DN25–DN100

工作示意图 Working diagram

无滞留三通球阀-T型球芯 Non retention three-way ball valve-T type ball core

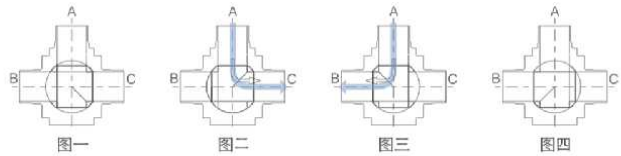
T型球芯(适用于90° /180° 执行器); 推荐方案(手动操作可满足所有通道)
T-shaped ball core (suitable for 90° /180° actuators); recommended solution (manual operation can meet all channels)



假设A为进口, B、C为出口,
图一: 起始: A、B、C相通。
图二: 逆时针旋转 90° : A、B相通, C不通。
图三: 逆时针旋转 180° : B、C相通, A不通。
图四: 逆时针旋转 270° : A、C相通, B不通。
注意: 逆时针旋转 360° : A、B、C相通(与图一致)。

无滞留三通球阀-L型球芯 Non retention three-way ball valve-L type ball core

L型球芯(适用于90° /180° 执行器); 推荐方案(手动操作可满足所有通道)
L-shaped ball core (suitable for 90° /180° actuators); recommended solution (manual operation can meet all channels)



假设A为进口, B、C为出口,
图一: 起始: A、B、C都不相通。
图二: 逆时针旋转 90° : A、C相通, B不通。
图三: 逆时针旋转 180° : A、B相通, C不通。
图四: 逆时针旋转 270° : A、C、B都不相通。
注意: 逆时针旋转 360° : A、B、C都不相通(与图一致)。

QF-GD Series

罐底球阀 Tank bottom ball valve

小扭矩, 使用寿命长、全脱脂、密封弹性补偿、体积小、内部无滞留、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠。

Small torque, long service life, full degreasing, sealing elastic compensation, small size, no internal retention, very flexible function combination, maintenance without professional tools, economical, simple and reliable.



规格: 1"-4", DN25-DN100
Size: 1"-4", DN25-DN100



主要应用容器设备上, 用于放料、排泄。
Mainly used in container equipment, for discharge.



球阀 Ball valve

QFW-4T Series

四通无滞留球阀 Four-way non-retention ball valve

小扭矩，使用寿命长、全脱脂、密封弹性补偿、体积小、内部无滞留、外观接近于无死角、非常灵活功能组合、无需专业工具即可维护、经济、简单、可靠。

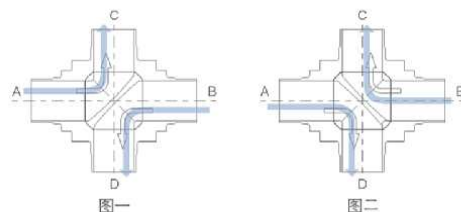
Small torque, long service life, full degreasing, sealing elastic compensation, small size, no internal retention, appearance close to no dead ends, very flexible function combination, maintenance without professional tools, economical, simple and reliable.



工作示意图 Working diagram

四通球芯(适用于90° 执行器); 推荐方案(手动操作可满足所有通道)

Four-way ball core (suitable for 90° actuator); recommended solution (manual operation can meet all channels)



假设A、B为进口，C、D为出口，
图一：起始：A、C相通，B、D相通。
图二：旋转 90°：A、D相通，B、C相通。

Assuming that A and B are imports, C and D are exports,
Figure 1: Start: A and C are connected, B and D are connected.
Figure 2: Rotate 90°: A and D are connected, and B and C are connected.



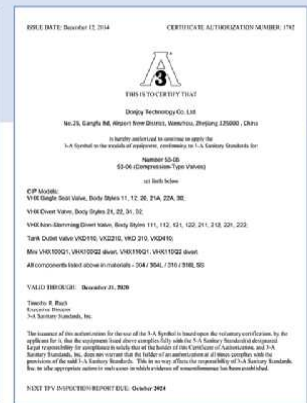
截止换向阀 Direct seat valve

HX type



截止换向阀具有非常灵活的阀体组合和各种功能配置，如无菌式、杀菌、隔膜式、阀位可调式、夹套保温、阻尼缓冲式、双头阀体等。也可安装各种自控如阀门定位器、控制单元、反馈器、位置传感器等。

Direct seat valve has very flexible valve body combination and various functional configurations, such as aseptic, sterilization, diaphragm type, adjustable valve position, jacket insulation, damping buffer, double seat etc. Also can install with automatic positioner, control head, feedback device, position sensor etc.



技术特点

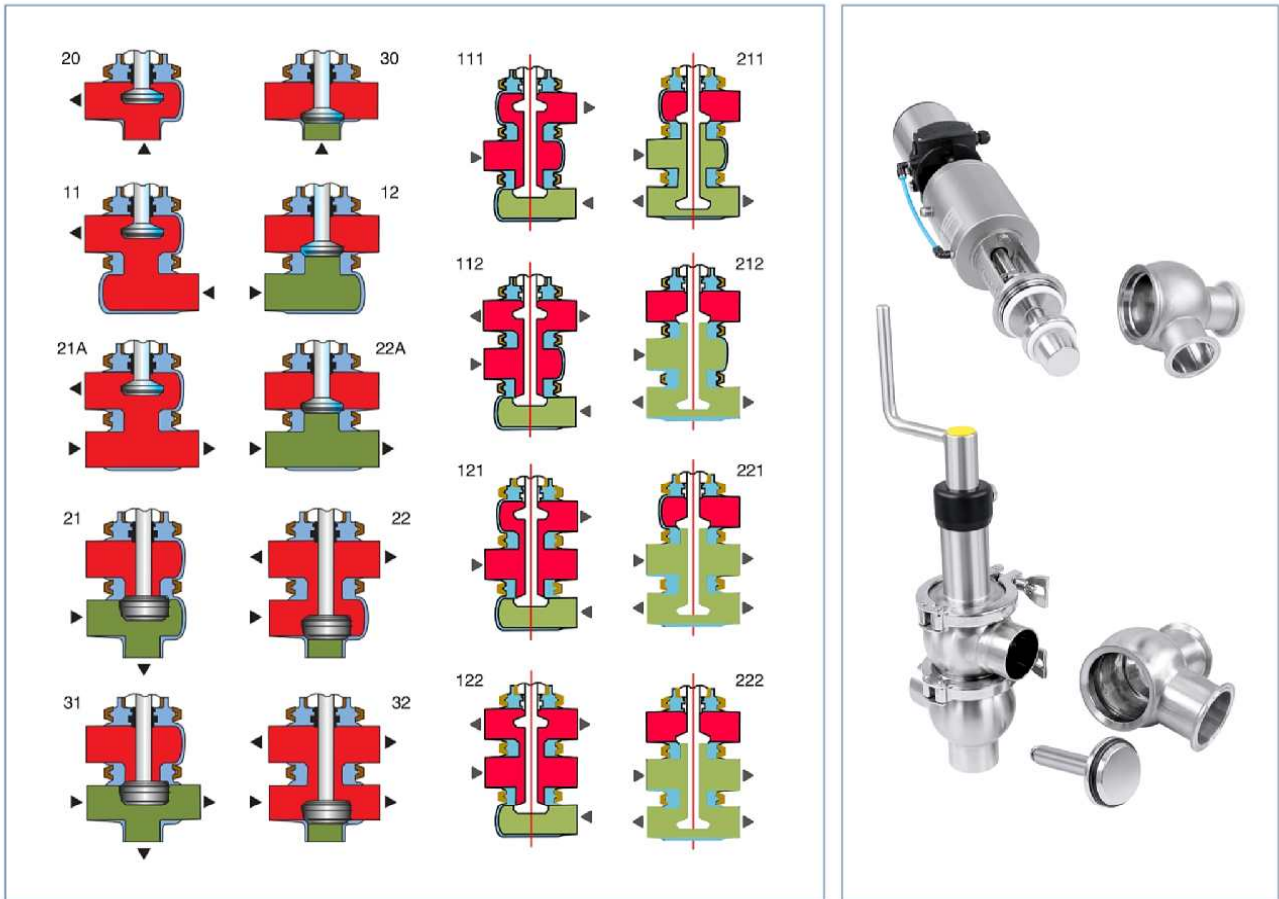
- 规格：1/2"–6", DN10–DN150
- 材质：316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力：真空~10bar(1.0Mpa)
- 温度：-20℃ 到 +150℃, 取决密封于材质
- 密封：EPDM FKM HNBR PTFE
- 连接标准：DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式：螺纹、卡箍、焊接、法兰
- 驱动方式：手动、气动、电动
- 粗糙度：Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证：FDA 177.2600; 3A–53–06; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935–2004; PED/97/23/EC;

Technical Features

- Size: 1/2"–6", DN10–DN150
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0Mpa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Seal: EPDM FKM HNBR PTFE
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection way: threaded, clamp, welding, flange
- Drive mode: manual, pneumatic, electric
- Roughness: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A–53–06; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935–2004; PED/97/23/EC;

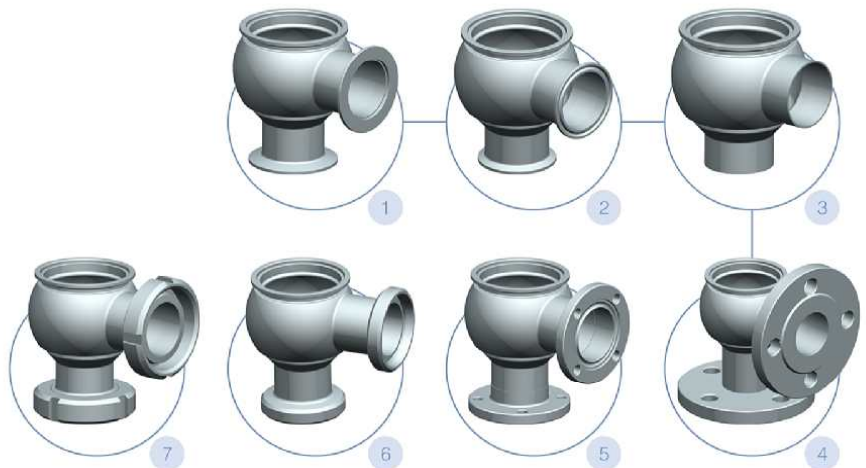
截止换向阀 Direct seat valve

非常灵活的阀体组合和连接方式 Very Flexible Valve Body Combination And Connection Type



不同连接方式 Different Connection End

- | | |
|--------|-------------------|
| 1、真空卡箍 | 1. Vacuum clamp |
| 2、卡箍 | 2. Clamp |
| 3、焊接 | 3. Welding |
| 4、法兰 | 4. Flange |
| 5、无菌法兰 | 5. Aseptic flange |
| 6、螺纹 | 6. Thread |
| 7、螺母 | 7. Nut |



推荐型截止换向阀
Recommended direct seat valve

阀体连接采用卡箍式，常闭和常开180° 掉头实现，阀门承压 \leq 10bar，规格 1/2"-4"，DN10-DN100，可配置各种控制器。

Valve body adopts clamp type, normally closed and normally open 180° U-turn round realization, pressure bear \leq 10bar, size 1/2"-4", DN10-DN100, various controller can be configured.

HX-S type

HX-Q type



薄膜式截止换向阀
Membrane diaphragm direct seat valve

薄膜式截止换向阀承受更高压力 \leq 30bar，更短长度、不锈钢执行器

Diaphragm divert seat valve can bear pressure \leq 30bar, shorter length, stainless steel actuator

HX-BM type



截止换向阀 Direct seat valve

隔膜无菌截止换向阀 Diaphragm aseptic direct seat valve

设计有膜片屏障完全隔绝阀腔和外界接触。

Chamber isolation valve membrane barrier and the outside world.

HX-GM type



阀芯杀菌式 Valve core sterilization

可CIP/SIP对阀芯进行清洗，保持绝对洁净

CIP / SIP can be used to clean the valve core and keep it absolutely clean

HX-SJ type



阀位流量可调 Flow position adjustable valve

扳手调整调节器，就可以控制流量的大小

Adjust the regulator with a wrench to control the flow rate

HX-FT type



夹套保温 Jacket insulation

夹套保温主要是为了保持进过阀体介质保持所需温度。

In order to maintain the required temperature of the medium passing through the valve body.

HX-BW type



**缓冲阻尼
Cushion damping**

缓冲阻尼防止启闭震动、
颗粒被剪切

Buffer damping prevents
opening and closing
vibrations and particles
from being sheared

HX-ZN type



**组合多通道
Combined multi-channel**

根据需求组合
各种不同功能

Combine various functions
according to needs

HX-ZH type



**迷你型
Mini type**

Size: DN10-DN20
1/2"-3/4"

HX-Mini type



**电动
Electric**

AC20V/110V, DC24V
开关型: 有源、无源信号
调节型: 4-20mA
Switch type: active,
passive signal
Regulation type: 4-20mA

HX-D type



截止换向阀 Direct seat valve

单座式调节阀
Single seat control valve

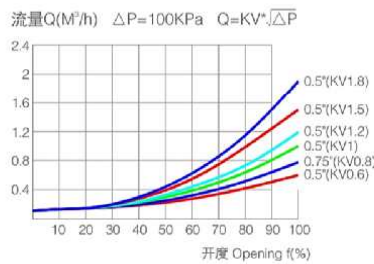


流量曲线特性图 Flow Curve Characteristic Diagram

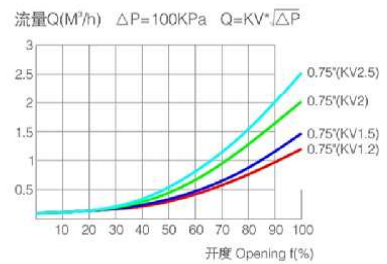
适用于调节阀芯。Suitable for regulating spool.



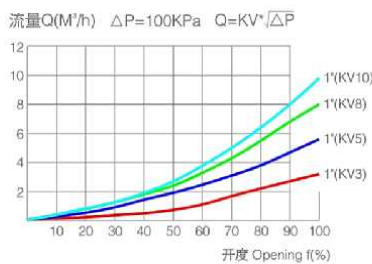
i19.254
调节阀开度流量曲线图(0.5°)
Flow curve of regulating valve opening (0.5°)



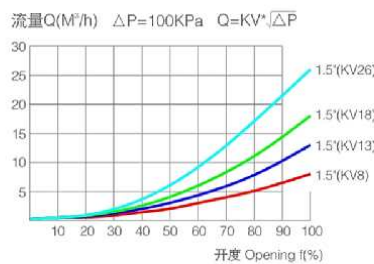
i18.176
调节阀开度流量曲线图(0.75°)
Flow curve of regulating valve opening (0.75°)



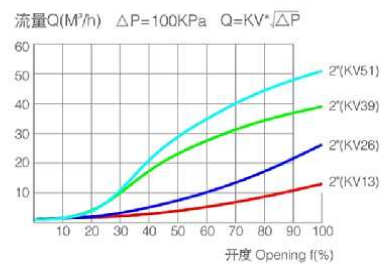
i21.412
调节阀开度流量曲线图(1°)
Flow curve of regulating valve opening (1°)



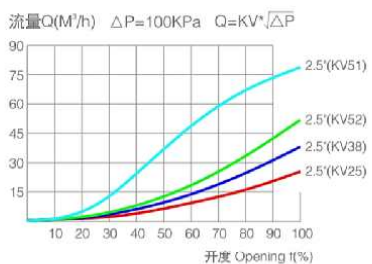
i19.254
调节阀开度流量曲线图(1.5°)
Flow curve of regulating valve opening (1.5°)



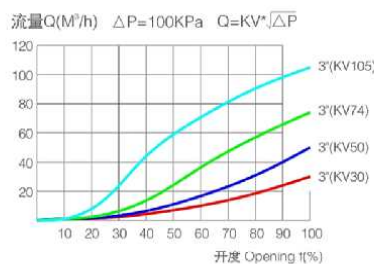
i21.412
调节阀开度流量曲线图(2°)
Flow curve of regulating valve opening (2°)



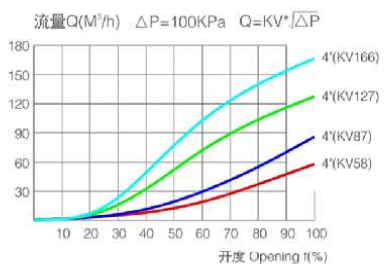
i19.254
调节阀开度流量曲线图(2.5°)
Flow curve of regulating valve opening (2.5°)



i21.412
调节阀开度流量曲线图(3°)
Flow curve of regulating valve opening (3°)



i21.412
调节阀开度流量曲线图(4°)
Flow curve of regulating valve opening (4°)



注意：上面图表适用于，介质：水(20°C) 测量：按照VDI 2173。
Note: The above chart applies to, medium: water (20°C) measurement: according to VDI 2173

防混阀 Mixproof valve

FHF- ISC type



防混双座阀是一款可在线原位CIP清洗、SIP杀菌、泄露可发现、双层密封保护、防止介质被污染的风险等技术特点的一款阀门，且具有非常灵活的阀体组合和功能配置如阀门控制单元、反馈器、位置传感器等。该阀门的设计完全基于美国3-A-85-03高洁净要求设计。

The anti-mixing double seat valve is a valve with technical characteristics such as online in-situ CIP cleaning, SIP sterilization, leakage detection, double-layer sealing protection, and prevention of the risk of medium contamination. It also has a very flexible valve body combination and Functional configuration such as valve control unit, feedback device, position sensor, etc. The design of the valve is completely based on the high cleanliness requirements of the United States 3-A-85-03 design.



技术特点

- 规格: 1.5"-6", DN40-DN150
- 材质: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力: 真空~10bar(1.0 MPa)
- 温度: -20°C 到 +150°C, 取决密封于材质
- 密封: EPDM FKM HNBR
- 连接标准: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式: 螺纹、卡箍、焊接、法兰
- 驱动方式: 气动
- 光洁度: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证: FDA 177.2600; 3A-85-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC。

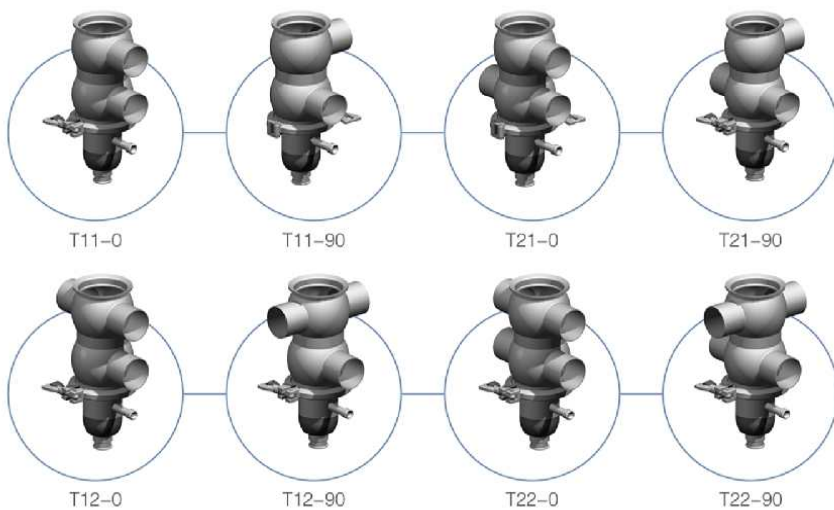
Technical Features

- Specifications: 1.5"-6", DN40-DN150
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0 MPa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Sealing: EPDM FKM HNBR
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: Thread, clamp, welding, flange
- Drive mode: pneumatic
- Finish: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A-85-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC.

防混阀 Mixproof valve

非常灵活的阀体组合和连接方式 Very Flexible Valve Body Combination And Connection Method

整体式阀体组合 Integral valve body combination



整体阀体组合：

整体式阀体组合，优势在于更少的O型圈，更少的可能存在死角。缺点必须确定阀体进出口的方向和角度，阀体角度不可调整。

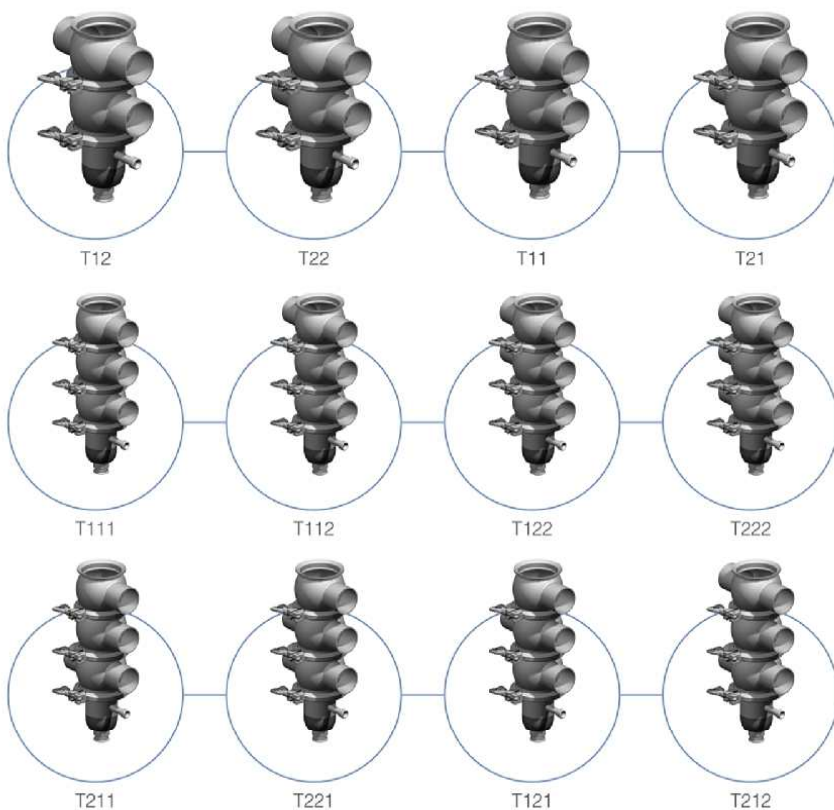
Overall valve body combination:

The integral valve body combination has the advantage of fewer O-rings and fewer dead ends. Disadvantages The direction and angle of the inlet and outlet of the valve body must be determined, and the angle of the valve body cannot be adjusted.

卡箍阀体组合：

卡箍式阀体组合，优势在于相比较整体式阀体具有更加灵活的阀体组合角度可任意调整(360°)。缺点在于更多O型圈，可能存在更多的死角。

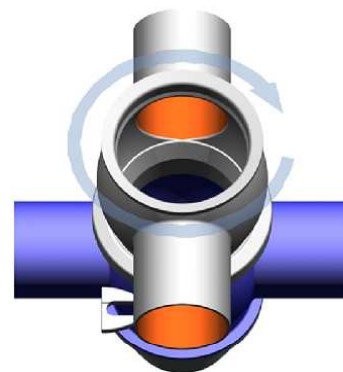
卡箍式阀体组合 Clamp type valve body combination



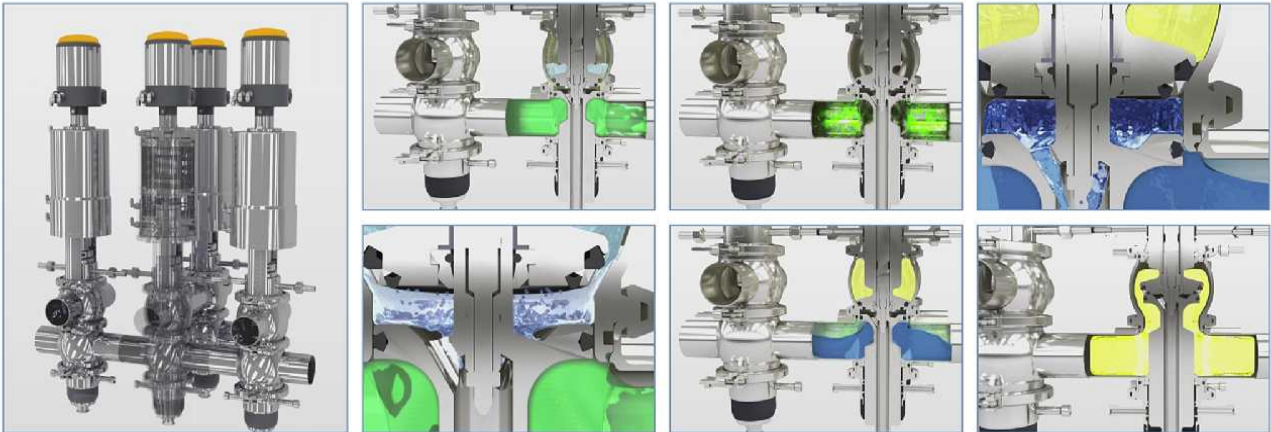
Clamp valve body combination:

The clamp-type valve body combination has the advantage that compared with the integral valve body, it has a more flexible valve body connecting angle that can be adjusted arbitrarily (360°). The disadvantage is that more O-rings may have more dead ends.

阀体之间360° 任意旋转角度
360° arbitrary rotation angle between valve bodies



工作原理图 Working principle diagram



防混阀很多都应用在阀门阵列系统上，因该阀门具有可在线原位CIP清洗、杀菌、自排空、无死角、无滞留等技术特点，并且具有非常灵活的配置如位置反馈器、阀门控制单元、位置传感器等自控系统。

Many anti-mixing valves are used in valve array systems, because the valve has the technical characteristics of online in-situ CIP cleaning, sterilization, self-draining, no dead ends, no retention, etc., and has very flexible configurations such as position feedback devices and valves Automatic control systems such as control units and position sensors.

防混阀 Mixproof valve



FHF-GD type

防混罐底阀 Mix-proof tank bottom valve

防混罐底阀，是一款高洁净、可在线清洗、杀菌于一体的防混式罐底阀。

The anti-mixing tank bottom valve is a high-cleanliness, online cleaning and sterilization integrated anti-mixing tank bottom valve.



技术特点

- 规格：1.5"–6"，DN40–DN150
- 材质：316L/1.4404，ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力：真空~10bar(1.0 MPa)
- 温度：-20℃ 到 +150℃，取决于密封于材质
- 密封：EPDM FKM HNBR
- 连接标准：DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式：螺纹、卡箍、焊接、法兰
- 驱动方式：气动
- 光洁度：Ra≤0.6 μm；MP=Ra≤0.3 μm；EP=Ra≤0.3 μm
- 认证：FDA 177.2600；3A-85-03；Glass II USP Glass VI Chapter 88；GB4806.11；EG VO/1935-2004；PED/97/23/EC。

Technical Features

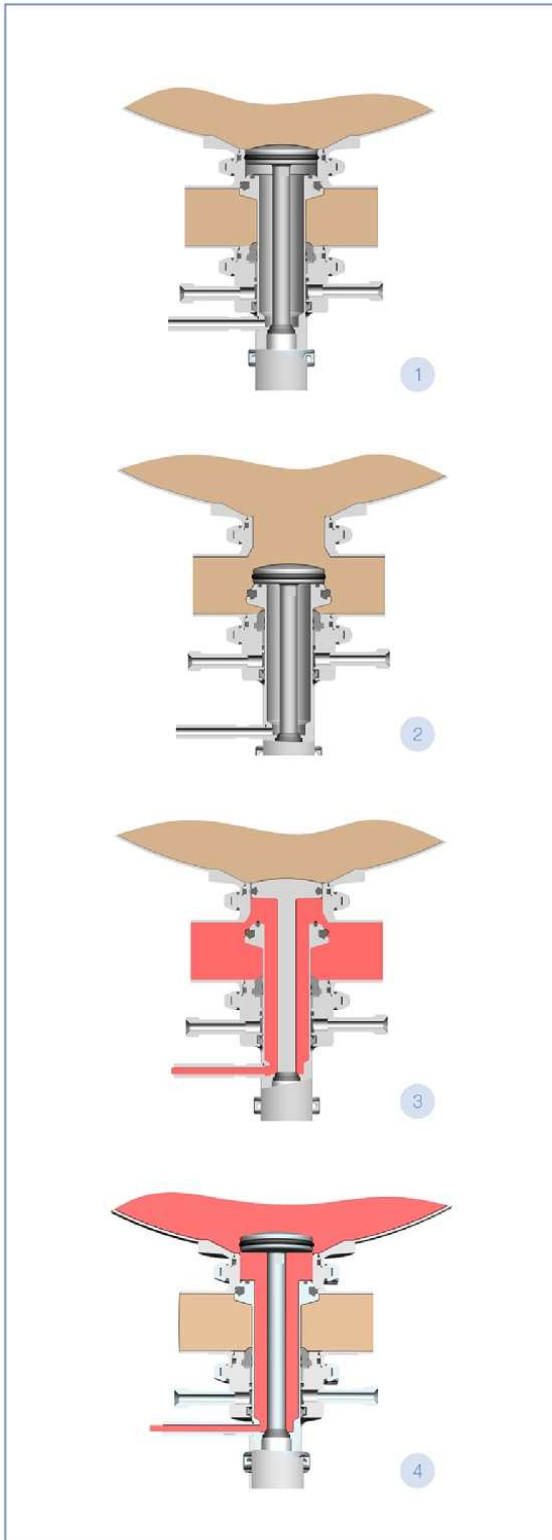
- Specifications: 1.5"–6", DN40–DN150
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0 MPa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Sealing: EPDM FKM HNBR
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: Thread, clamp, welding, flange
- Drive mode: pneumatic
- Finish: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A-85-03; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC.

配置各种控制器或位置传感器
Configure various controllers or position sensors

有关控制器或传感器请查阅相关章节或目录册
For controllers or sensors, please refer to relevant chapters or catalogs



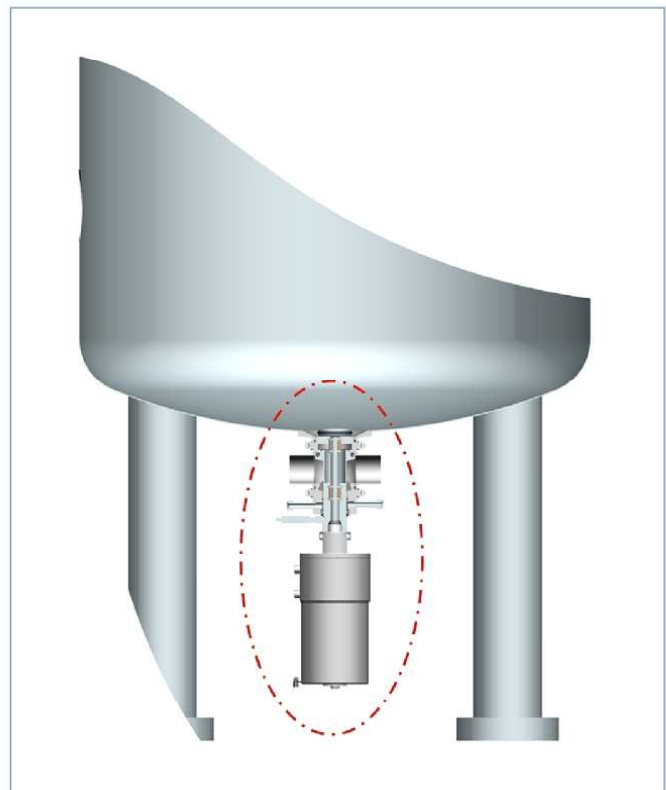
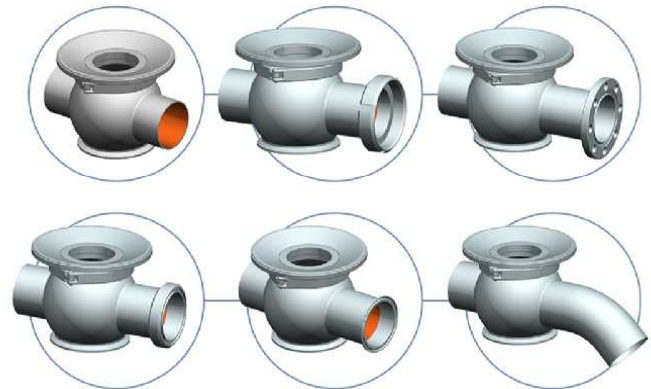
工作原理图 Working principle diagram



1. 阀门关闭状态
 2. 阀门全开状态
 3. 下阀芯开启管路清洗
 4. 上阀芯开启容器清洗
1. The valve is closed
 2. The valve is fully open
 3. The lower spool opens the pipeline for cleaning
 4. The upper spool opens the container for cleaning

物料产品 Material products
CIP清洗液体 CIP cleaning liquid

不同连接方式 Different Connection Methods



防混阀 Mixproof valve

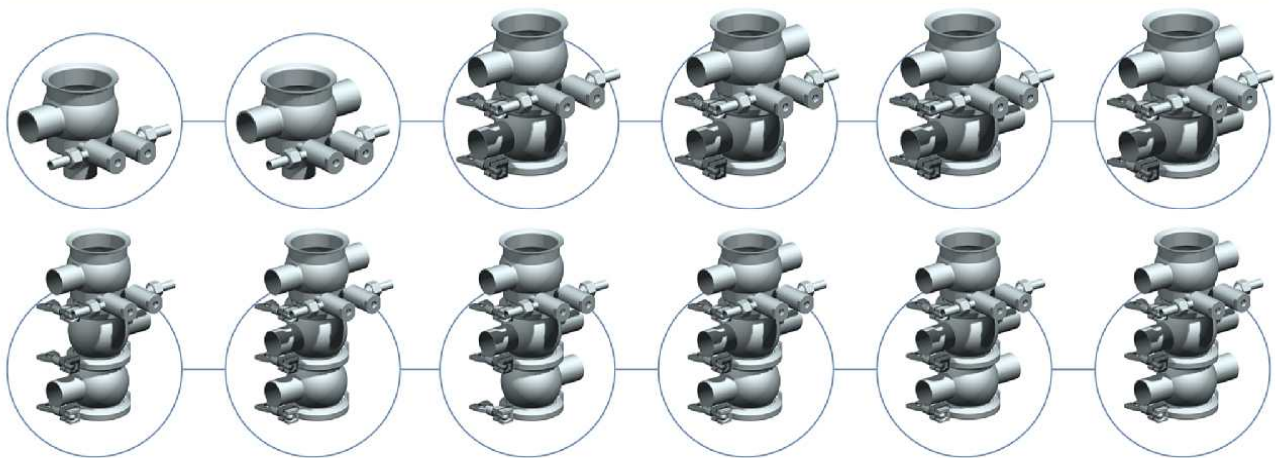
FHF-EC type

EC-系列是一款利用外部引入式CIP、SIP清洗和杀菌的防混阀，它具有双层密封保护、泄漏可发现、可排泄，防止物料给污染的风险。且有非常灵活的阀体组合应用。

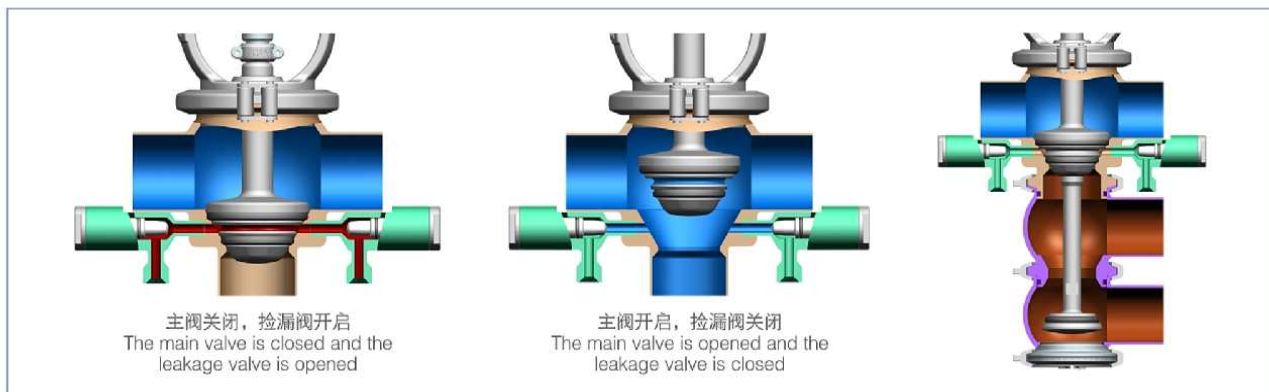
The EC-series is a mixed-proof valve that uses externally introduced CIP and SIP cleaning and sterilization. It has double-layer sealing protection, leakage can be found, and drained to prevent the risk of material contamination. And there is a very flexible valve body combination application.



非常灵活的阀体组合和连接方式 Very Flexible Valve Body Combination And Connection Method



工作原理图 Working principle diagram



角座阀 Angle seat valve

JZ type

角座阀具有与通径相等的通量，极小流阻、启闭无噪音、无死角、零压力无泄漏、可适用于真空环境、设计款型多样。

The angle seat valve has the same flux as the diameter, minimal flow resistance, no noise during opening and closing, no dead angle, no pressure no leakage. It can be used in vacuum environment and has various designs.



技术特点

- 规格：1/2"–4", DN10–DN100
- 材质：316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力：真空~10bar(1.0 MPa)
- 温度：-20℃到+150℃, 取决密封于材质
- 密封：PTFE/TFM/PEEK
- 连接标准：DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式：螺纹、卡箍、焊接、法兰
- 驱动方式：手动、气动、电动
- 光洁度：Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证：FDA 177.2600; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935–2004; PED/97/23/EC;

Technical Features

- Specifications: 1/2"–4", DN10–DN100
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0 MPa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Sealing: PTFE/TFM/PEEK
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: thread, clamp, welding, flange
- Drive mode: manual, pneumatic, electric
- Finish: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935–2004; PED/97/23/EC;

角座阀 Angle seat valve



不同连接方式 Different Connection Methods

- | | |
|--------|------------------|
| 1、内螺纹 | 1.Female thread |
| 2、焊接 | 2.Welding |
| 3、卡箍 | 3.Clamp |
| 4、螺母 | 4.Nut |
| 5、螺纹 | 5.Male thread |
| 6、无菌法兰 | 6.Aseptic flange |
| 7、法兰 | 7.Flange |



迷你型角座阀系列 Mini angle seat valve series

JZ-Mini type

Size: DN10-DN20, 1/2"-3/4"



JZ-S type

Size: DN25-DN65, 1"-3"



JZ- type

Size: 3"-4", DN65-DN100



电动角座阀 Electric angle seat valve

JZ-D type

Size: 1/2"-4", DN10-DN100



自控角座阀 Self-controlled angle seat valve

JZ-Q type

Size: 1"-2.5", DN25-DN65



角座阀 Angle seat valve



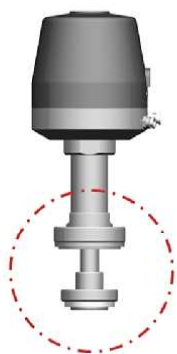
角座阀曲线特性分为两种设计：1)标准型；2)调节型
Angle seat valve curve characteristics are divided into two designs:
1) standard type; 2) adjustable type



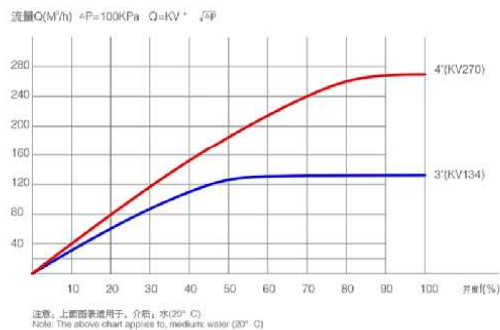
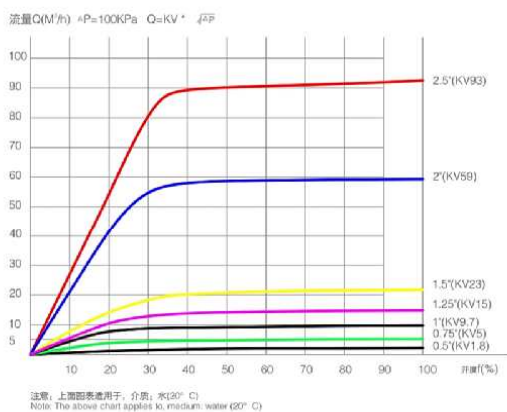
迷你型阀门定位器-界面
IL-TOP-2001&20A1



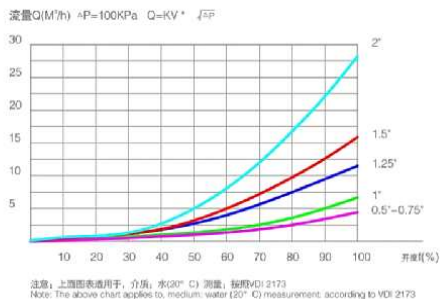
标准型阀门定位器-界面
IL-TOP-1831&1441



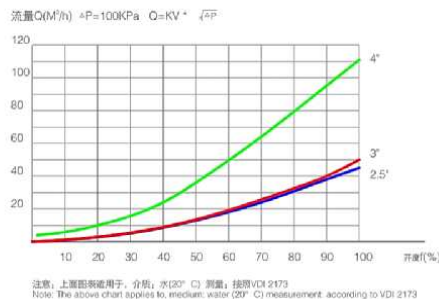
常规角座阀流量/选择(开度t)图表
Conventional angle seat valve flow/selection (opening t) chart



调节型角座阀压差流量曲线图(0.5'-2')
Adjustable angle seat valve pressure difference flow curve diagram (0.5'-2')



调节型角座阀压差流量曲线图(2.5'-4')
Adjustable angle seat valve pressure difference flow curve diagram (2.5'-4')



截止阀 Globe valve

JZF type

截止阀具有与口径相等的通量，极小流阻，启闭无噪音，无死角，可适用于真空环境。用于开关阀，流量和口径相等，作为调节阀具有较好KV值曲线特性。

The globe valve has the same flux as the diameter, minimal flow resistance, no noise when opening and closing, no dead ends, it suitable for vacuum environments. When used for on-off valve, the flow rate and the diameter are equal ; As a regulating valve, it has good KV value curve characteristics.



技术特点

- 规格: 1/4"-4", DN4-DN100
- 材质: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力: 真空~10bar(1.0 MPa)
- 温度: -20°C 到 +150°C, 取决密封于材质
- 密封: PTFE/TFM/PEEK
- 连接标准: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式: 螺纹、卡箍、焊接、法兰
- 驱动方式: 手动、气动、电动
- 光洁度: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证: FDA 177.2600; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC;

Technical Features

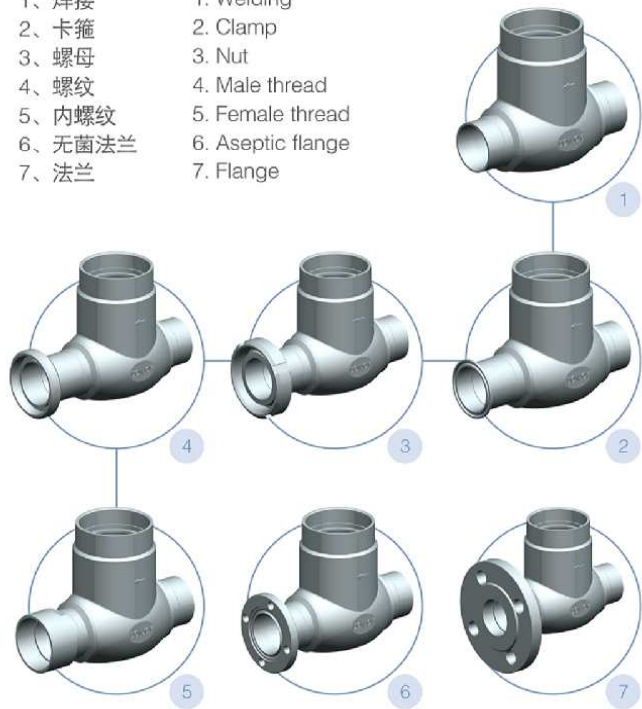
- Specifications: 1/4"-4", DN4-DN100
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0 MPa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Sealing: PTFE/TFM/PEEK
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: thread, clamp, welding, flange
- Drive mode: manual, pneumatic, electric
- Finish: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC;

截止阀 Globe valve



不同连接方式 Different Connection Methods

- | | |
|--------|-------------------|
| 1、焊接 | 1. Welding |
| 2、卡箍 | 2. Clamp |
| 3、螺母 | 3. Nut |
| 4、螺纹 | 4. Male thread |
| 5、内螺纹 | 5. Female thread |
| 6、无菌法兰 | 6. Aseptic flange |
| 7、法兰 | 7. Flange |



注意：不同的连接方式适用于所有的截止阀系列
Note: Different connection methods are applicable to all globe valve series

JZF-Mini

Size: DN4–DN20, 1/4"–3/4"



JZF

Size: 1"–2", DN25–DN50

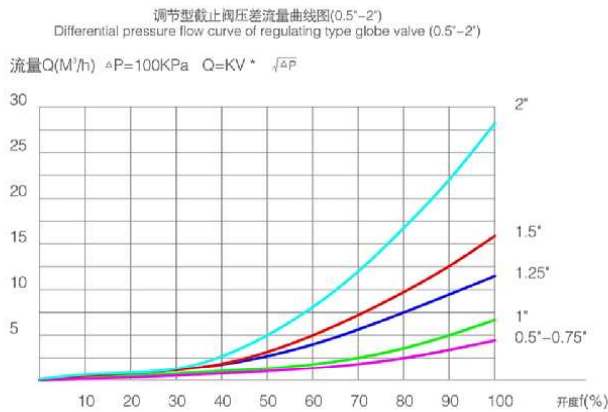


JZF

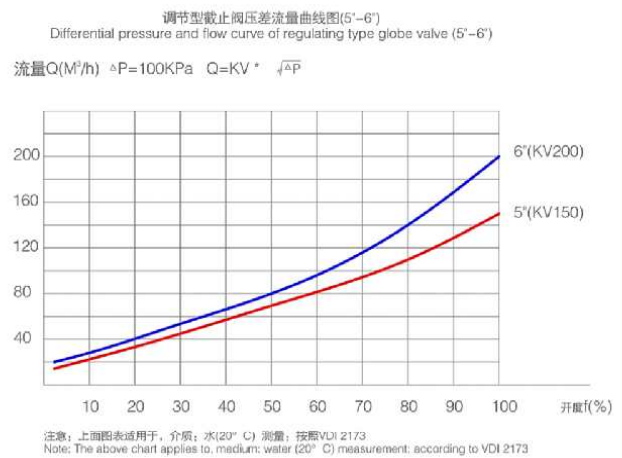
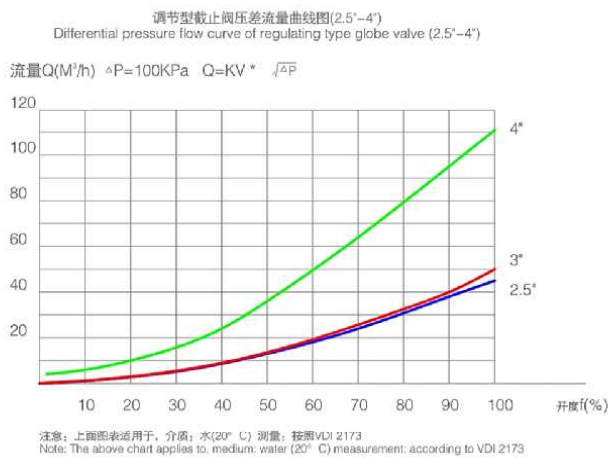
Size: 2.5"-6", DN65-DN150



调节型截止阀曲线图 Adjustable globe valve curve graph



注意: 曲线特性图主要应用在调节型截止阀
Note: The curve characteristic diagram is mainly used in regulating type globe valves



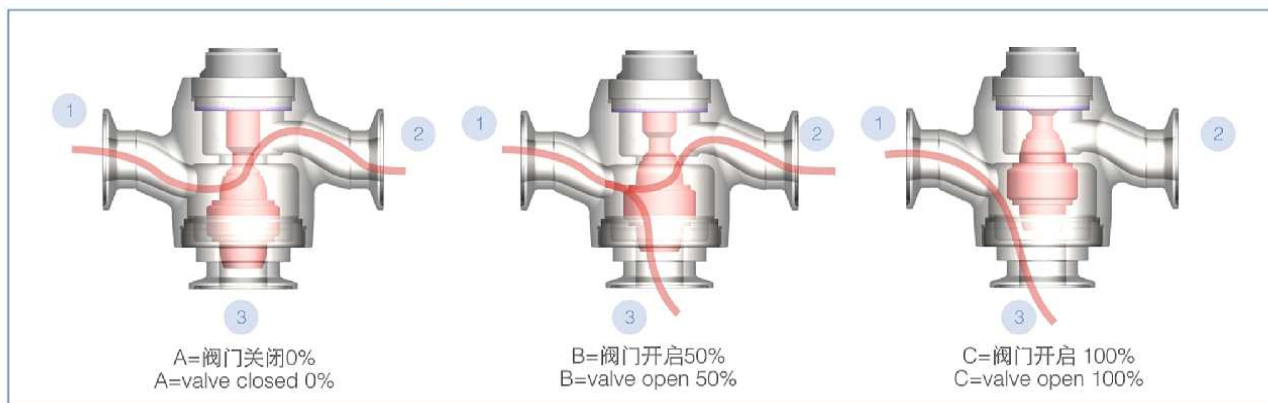
截止阀 Globe valve

三通截止阀 Three-way globe valve

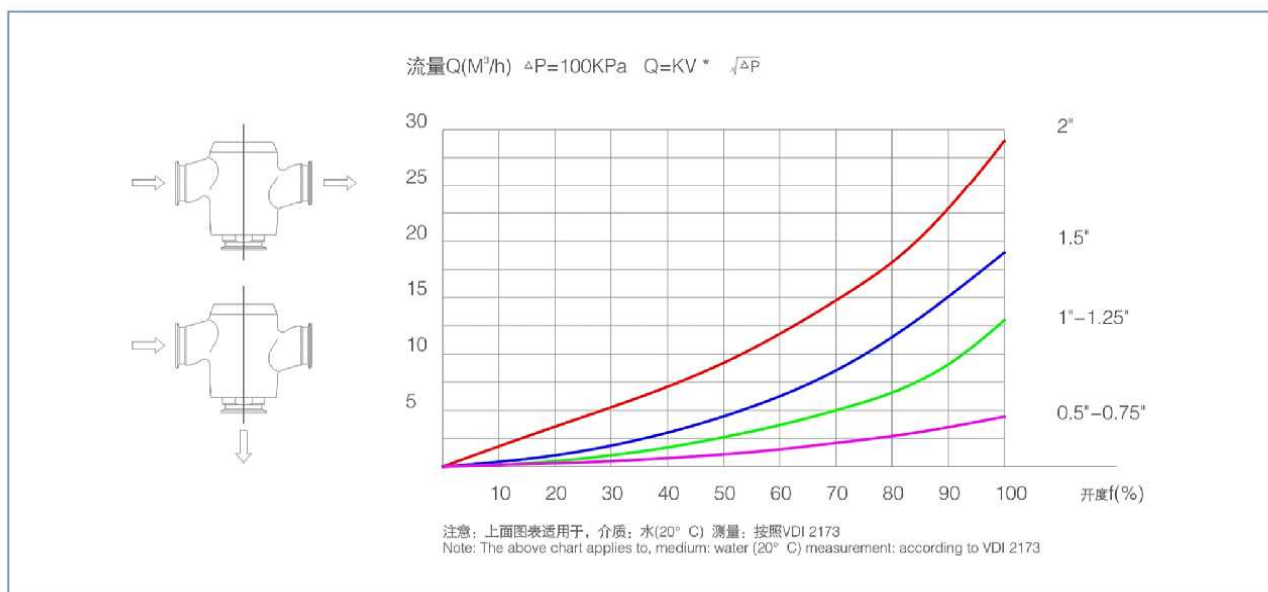
Size: DN10–DN150, 1/2"–6"



阀门工作示意图 Valve working diagram



三通截止调节阀曲线图 3 Way adjustable globe valve curve graph



罐底阀 Tank bottom valve

GD type

罐底阀有两种设计阀芯收缩和阀芯伸展式，并且具有非常灵活的阀体组合和各种功能配置，如杀菌式、夹套保温、阻尼缓冲式等。也可安装各种自控如阀门定位器、控制单元、反馈器、位置传感器等。

The tank bottom valve has two designs of valve core contraction and valve core extension, and has a very flexible valve body combination and various functional configurations, such as sterilization type, jacket insulation, damping buffer type, etc. Various automatic controls such as valve positioners, control units, feedback devices, and position sensors can also be installed.



技术特点

- 规格：1/2"-6", DN10-DN150
- 材质：316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力：真空~10bar(1.0Mpa)
- 温度：-20°C 到+150°C, 取决密封于材质
- 密封：EPDM FKM HNBR PTFE
- 连接标准：DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式：螺纹、卡箍、焊接、法兰
- 驱动方式：手动、气动、电动
- 光洁度：Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证：FDA 177.2600; 3A-53-06; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC。

Technical Features

- Specifications: 1/2"-6", DN10-DN150
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: Vacuum to 10bar (1.0 Mpa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Seal: EPDM FKM HNBR PTFE
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: Thread, clamp, welding, flange
- Drive mode: manual, pneumatic, electric
- Finish: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A-53-06; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC。

罐底阀 Tank bottom valve

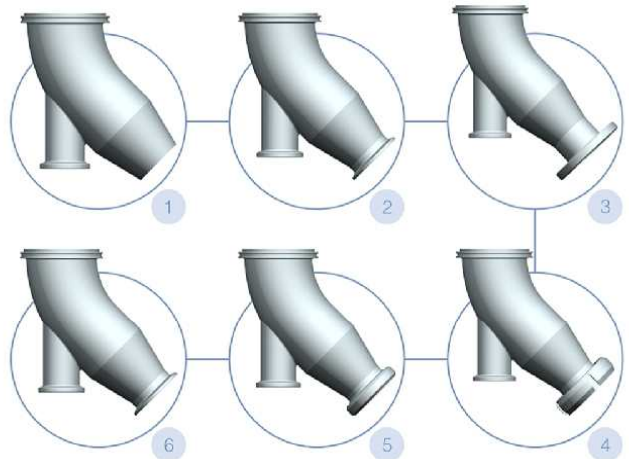
非常灵活的阀体组合和连接方式 Very Flexible Valve Body Combination And Connection Method



连接方式适用于：阀芯收缩罐底阀
Connection method applicable to: spool shrink tank bottom valve

不同连接方式 Different Connection Methods

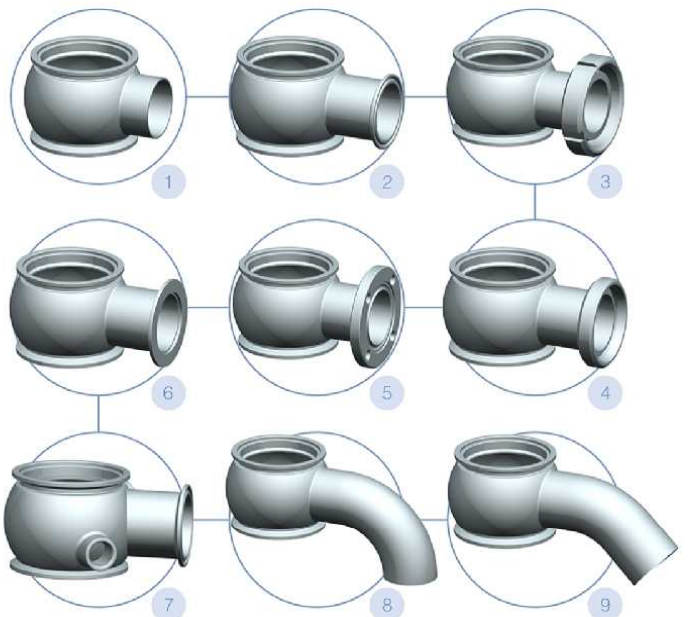
- | | | | |
|----------|--------|------------------------|-----------------|
| 1、焊接 | 4、螺母 | 1. Welding | 4. Nut |
| 2、卡箍(推荐) | 5、螺纹 | 2. Clamp (recommended) | 5. Thread |
| 3、无菌法兰 | 6、真空卡箍 | 3. Aseptic flange | 6. Vacuum clamp |



连接方式适用于：阀芯收缩和阀芯伸展式罐底阀
Connection method applicable to: spool shrink and spool extension tank bottom valve

不同连接方式 Different Connection Methods

- | | | | |
|----------|----------|------------------------|----------------------|
| 1、焊接 | 6、真空卡箍 | 1. Welding | 6. Vacuum clamp |
| 2、卡箍(推荐) | 7、夹套保温 | 2. Clamp (recommended) | 7. Jacket insulation |
| 3、螺母 | 8、弯头 90° | 3. Nut | 8. Elbow 90° |
| 4、螺纹 | 9、弯头 45° | 4. Thread | 9. Elbow 45° |
| 5、无菌法兰 | | 5. Aseptic flange | |



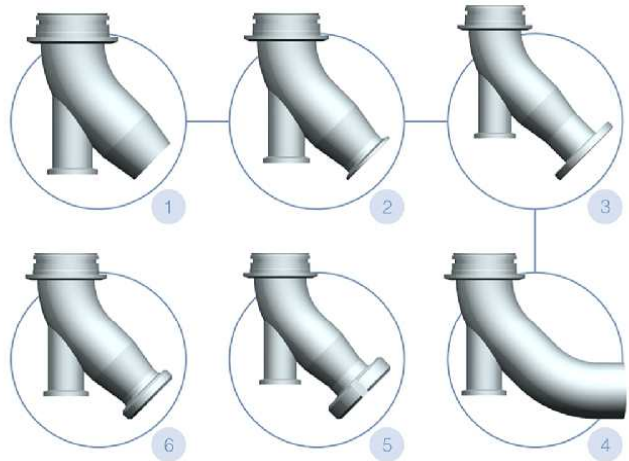
非常灵活的阀体组合和连接方式 Very Flexible Valve Body Combination And Connection Method



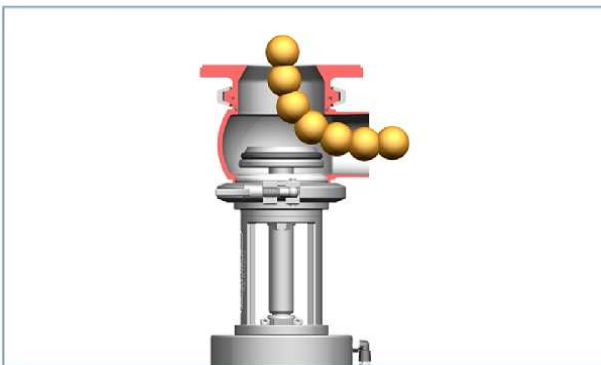
适用于：阀芯伸展式罐底阀
Applicable to: Spool extension type tank bottom valve

不同连接方式 Different Connection Methods

- | | | | |
|----------|----------|------------------------|--------------|
| 1、焊接 | 4、弯头 90° | 1. Welding | 4. Elbow 90° |
| 2、卡箍(推荐) | 5、螺母式 | 2. Clamp (recommended) | 5. Nut type |
| 3、无菌法兰 | 6、螺纹 | 3. Aseptic flange | 6. Thread |



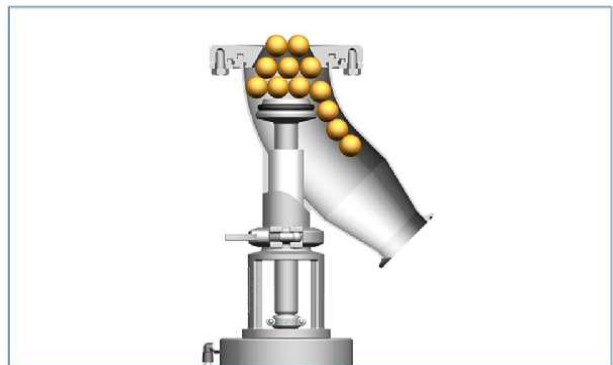
阀芯收缩式-L型罐底阀 Spool Shrink-L Type Tank Bottom Valve



最大颗粒通过尺寸
Maximum particle passing size

规格 Specification		D
DN25	1"	22
DN32	1.1/4"	
DN40	1.5"	26
DN50	2"	
-	2.5"	27
DN65	3"	
DN80	-	32
DN100	4"	74

阀芯收缩-弯头式罐底阀 Spool Shrink-elbow Type Tank Bottom Valve



最大颗粒通过尺寸
Maximum particle passing size

规格 Specification		D
DN25	1"	10
DN32	1.1/4"	
DN40	1.5"	20
DN50	2"	
-	2.5"	33
DN65	3"	
DN80	-	

罐底阀

Tank bottom valve

GD-WL type

阀芯伸展式
Spool extension type



GD-WW type

阀芯伸展式
Spool extension type



GD-NL type

阀芯收缩式
Spool retractable



GD-NW type

阀芯收缩式
Spool retractable



GM-JX type

径向隔膜罐底阀
Radial diaphragm tank bottom valve



QF-GD type

罐底式球阀
Tank bottom ball valve



罐底阀配置各种控制器 Various controllers for tank bottom valve

1. 反馈器 2. 控制单元 3. 阀门定位器 4. 位置传感器
 1. Feedback 2. Control unit 3. Valve positioner 4. Position sensor



注意：控制器-可配置各种气动罐底阀，有关详细介绍请查阅控制器相关说明书
 Note: The controller-can be equipped with various pneumatic tank bottom valves. For details, please refer to the relevant instructions of the controller

FH-GD type

防混罐底阀 Mix-proof tank bottom valve

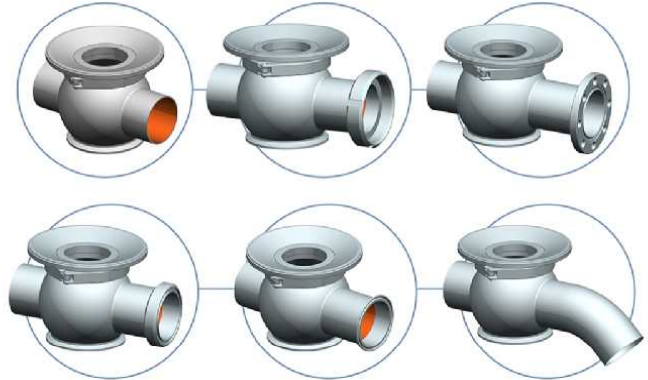
防混罐底阀是一款高洁净，可在线清洗，杀菌于一体的防混式罐底阀
 Mixing proof tank bottom valve is a high cleanliness, online cleaning and sterilization integrated mixing proof tank bottom valve.



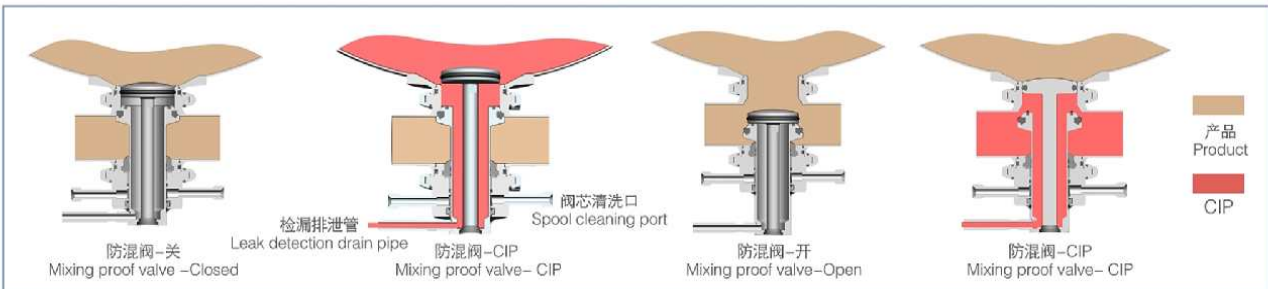
规格：1.5"-DN40, 4"-DN100
 材质：304/316L, 1.4301, 1.4404
 温度：130℃
 压力：10bar

Size: 1.5"-DN40, 4"-DN100
 Material: 304/316L, 1.4301, 1.4404
 Temperature: 130℃
 Pressure: 10bar

不同连接方式 Different Connection Methods



工作示意图 Working diagram

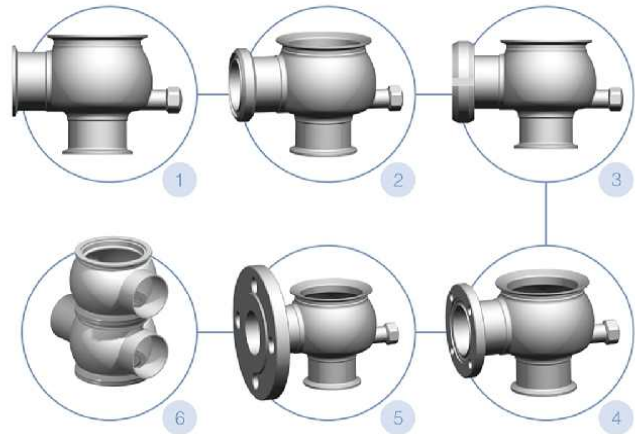


非常灵活的阀体组合和连接方式 Very Flexible Valve Body Combination And Connection Method



不同连接方式 Different Connection Methods

- | | | | |
|------|--------|-----------|------------------------|
| 1、卡箍 | 4、无菌法兰 | 1. Clamp | 4. Aseptic flange |
| 2、螺纹 | 5、法兰 | 2. Thread | 5. Flange |
| 3、螺母 | 6、管路连接 | 3. Nut | 6. Pipeline connection |



AQ-YL type

- | | |
|---------------|------------------------------------------------------|
| 1、手动快排式安全阀 | 1. Manual quick-discharge safety valve |
| 2、气动安全阀 | 2. Pneumatic safety valve |
| 3、标准型安全阀 | 3. Standard safety valve |
| 4、气动安全阀+位置反馈器 | 4. Pneumatic safety valve + position feedback device |
| 5、气动安全阀+控制单元 | 5. Pneumatic safety valve + control unit |
| 6、视窗式安全阀 | 6. Window type safety valve |
| 7、视窗式安全阀 | 7. Window type safety valve |
| 8、迷你安全阀 | 8. Mini safety valve |



恒压阀 Constant pressure valve

AQ-HY type



恒压阀分为进口管路压力稳定和出口管路压力稳定两种设计。我们设计严格按照美国-3-A-64-00的恒压阀具有无死角、无滞留、KV值曲线特性较好。

Constant pressure valves are divided into two designs: stable inlet pipeline pressure and stable outlet pipeline pressure. Our constant pressure valve designed strictly in accordance with the United States -3-A-64-00 has no dead ends, no retention, and better KV curve characteristics.



技术特点

- 规格: 1/2"-3", DN10-DN65
- 材质: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe ≤ 0.5%
- 压力: 真空~10bar(1.0 Mpa)
- 温度: -20°C 到 +150°C, 取决于密封于材质
- 密封: EPDM+PTFE
- 连接标准: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式: 螺纹、卡箍、焊接、法兰
- 光洁度: Ra ≤ 0.6 μm; MP=Ra ≤ 0.3 μm; EP=Ra ≤ 0.3 μm
- 认证: FDA 177.2600; 3A-64-00; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC;

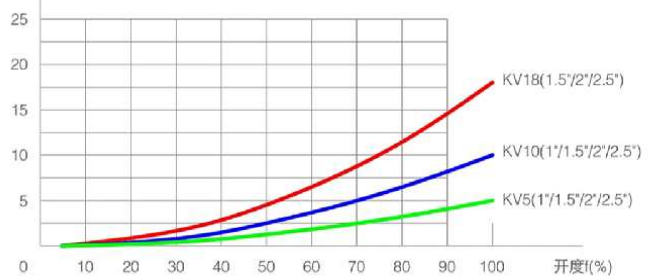
Technical Features

- Specification: 1/2"-3", DN10-DN65
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe ≤ 0.5%
- Pressure: Vacuum to 10bar (1.0 Mpa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Seal: EPDM+PTFE
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: Thread, clamp, welding, flange
- Finish: Ra ≤ 0.6 μm; MP=Ra ≤ 0.3 μm; EP=Ra ≤ 0.3 μm
- Certification: FDA 177.2600; 3A-64-00; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC.



压差流量曲线图 Differential pressure flow curve

流量Q(M³/h) ΔP=100KPa Q=KV * √ΔP



注意：上面图表适用于，介质：水(20° C) 测量：按照VDI 2173。不同KV值需求请联系我们。
Note: The above chart applies to, medium: water (20° C) measurement: according to VDI 2173. Contact us for different KV values.

非常灵活的阀体组合和连接方式 Very Flexible Valve Body Combination And Connection Method

不同连接方式 Different Connection Methods

- 1、焊接 2、卡箍 3、螺纹 4、螺母 5、无菌法兰 6、法兰
1. Welding 2. Clamp 3. Thread 4. Nut 5. Sterile flange 6. Flange



减压阀 Pressure reducing valve

AK-JY type



减压阀有两种设计T型和L型，
压力差值0.5bar到8bar，最大压力 10bar。

The pressure reducing valve has two designs, T type and L type, with a pressure difference of 0.5 bar to 8 bar, and a maximum pressure of 10 bar.



技术特点

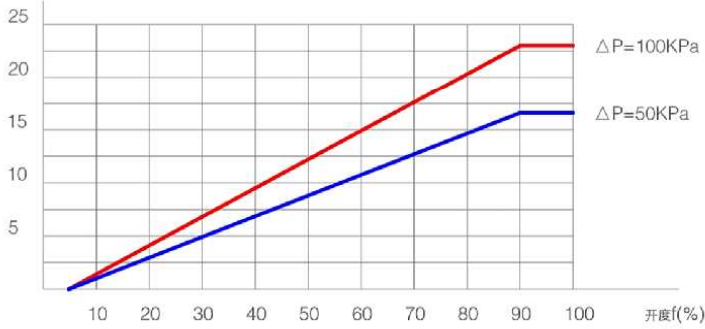
- 规格: 1/2"-3", DN10-DN65
- 材质: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力: 真空~10bar(1.0 MPa)
- 温度: -20°C 到+150°C, 取决密封于材质
- 密封: EPDM FKM HNBR PTFE
- 连接标准: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式: 螺纹、卡箍、焊接、法兰
- 光洁度: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证: FDA 177.2600; 3A-64-00; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC。

Technical Features

- Specifications: 1/2"-3", DN10-DN65
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: Vacuum to 10bar (1.0 MPa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Sealing: EPDM FKM HNBR PTFE
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: thread, clamp, welding, flange
- Finish: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A-64-00; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC.

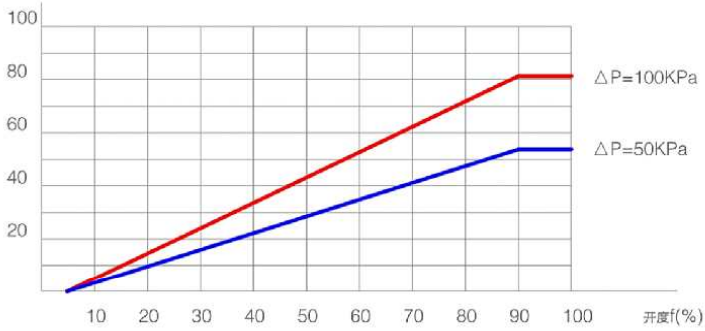
减压阀流量曲线图 Pressure reducing valve flow graph

流量Q(M³/h) KV23(1"-1.5") $Q=KV \cdot \sqrt{\Delta P}$



注意：上面图表适用于，介质：水(20° C) 测量：按照VDI 2173
Note: The above chart applies to, medium: water (20° C) measurement: according to VDI 2173

流量Q(M³/h) KV80(2"-2.5") $Q=KV \cdot \sqrt{\Delta P}$



注意：上面图表适用于，介质：水(20° C) 测量：按照VDI 2173
Note: The above chart applies to, medium: water (20° C) measurement: according to VDI 2173



T型-减压阀
T type-pressure
reducing valve



T型-减压阀
T type-pressure
reducing valve



L型-减压阀
L type-pressure
reducing valve



L型-迷你减压阀
L type-mini pressure
reducing valve

减压阀

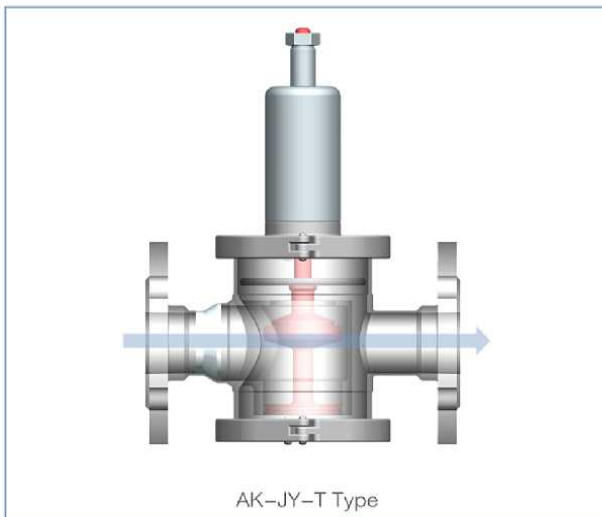
Pressure reducing valve

非常灵活的阀体组合和连接方式 Very Flexible Valve Body Combination And Connection Method

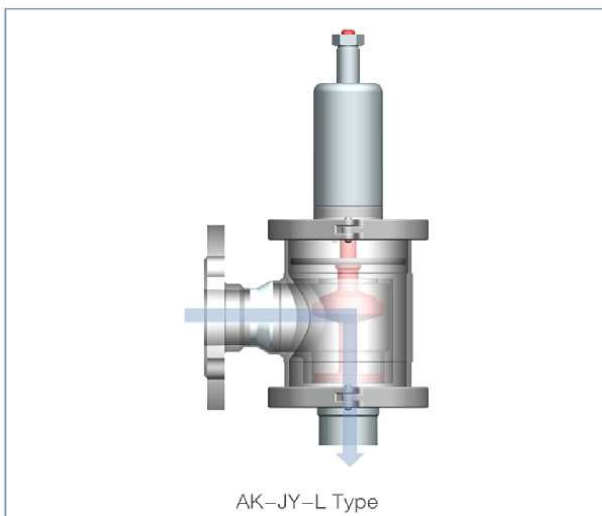
不同连接方式 Different Connection Methods

- | | | | | | |
|------|------|--------|------------|-----------|-------------------|
| 1、焊接 | 3、螺纹 | 5、无菌法兰 | 1. Welding | 3. Thread | 5. Aseptic flange |
| 2、卡箍 | 4、螺母 | 6、法兰 | 2. Clamp | 4. Nut | 6. Flange |

T型减压阀 T type pressure reducing valve



L型减压阀 L type pressure reducing valve



排气阀/防止真空阀 Exhaust valve, Prevent vacuum valve



杠杆式排气阀
Lever type exhaust valve

杠杆式防止真空阀
Lever type anti-vacuum valve

DJ-AK-PQG type

SIZE: DN25-DN100; 1"-4"
排气压力Exhaust pressure: 0.5-3bar
工作温度Working temperature: 130°C
密封Sealing: EPDM、FKM
材质Material: 304/1.4301; 316L/1.4404



DJ-AK-GZK type

SIZE: DN25-DN100; 1"-4"
真空压力Vacuum pressure: -0.5 到 -0.9bar
工作温度Working temperature: 130°C
密封Sealing: EPDM、FKM
材质Material: 304/1.4301; 316L/1.4404



呼吸阀
Breathing valve

浮球式排气阀
Float type exhaust valve

DJ-AK-HXF type

呼吸阀是一款可以破真空和压力过载排气的多功能阀门。可排气、破真空、体积小、简单、经济、高效。
The breathing valve is a multifunctional valve that can break vacuum and exhaust pressure from overload. Can exhaust, break vacuum, small size, simple, economical and efficient

SIZE: DN25-DN100; 1"-4"
真空压力Vacuum pressure: -0.5 到 -0.9bar
排气压力Exhaust pressure: 0.5-2bar
工作温度Working temperature: 130°C
密封Sealing: EPDM、FKM、Silicon
材质Material: 304/1.4301; 316L/1.4404



DJ-AK-PQF type

浮球排气阀是一款利用浮球密度 < 液体的密度，而产生的排气和关闭。
The float exhaust valve is a The float density < the density of the liquid, while the exhaust gas is generated and closed.

SIZE: DN25-DN40; 1"-1.5"
工作压力Working pressure: 5bar
材质Material: 316L/1.4404
工作温度Working temperature: 80°C PP; 120°C EPDM
材质Material: 316L/1.4404



止回阀

Check valve

ZHF type

止回阀具有与通经相等的通量，极小流阻、启闭无噪音、无死角、零压力无泄漏、可适用于真空环境、设计款型多样。

The check valve has the same flux as the passage, minimal flow resistance, no noise on opening and closing, no dead angle, zero pressure and no leakage, suitable for vacuum environments, and various designs.



技术特点

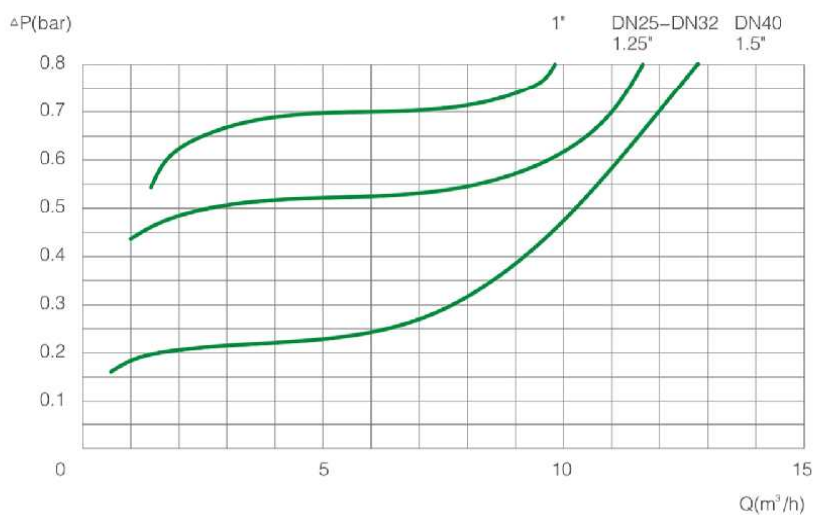
- 规格：1/2"–12", DN10–DN300
- 材质：316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力：真空~10bar(1.0 Mpa)
- 温度：-20°C 到 +150°C, 取决密封于材质
- 密封：EPDM FKM HNBR PTFE
- 连接标准：DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式：螺纹、卡箍、焊接、法兰
- 驱动方式：手动、气动、电动
- 光洁度：Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证：FDA 177.2600; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935–2004; PED/97/23/EC。

Technical Features

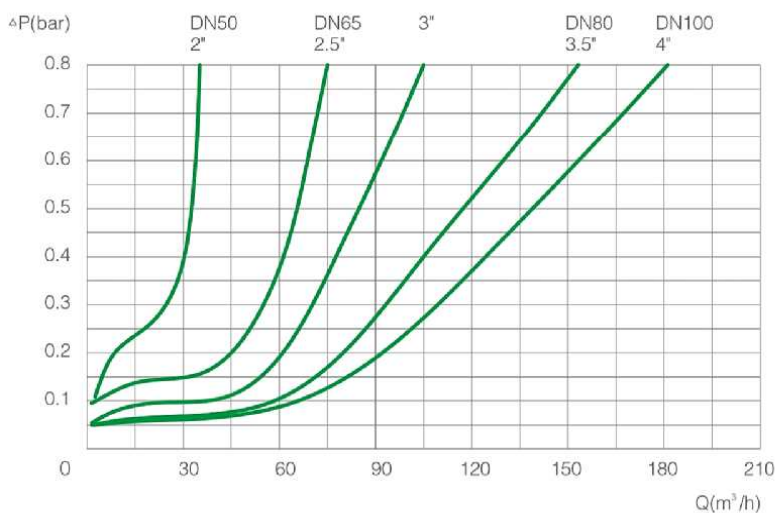
- Specifications: 1/2"–6", DN10–DN150
- Material: 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0 Mpa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Sealing: EPDM FKM HNBR PTFE
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: Thread, clamp, welding, flange
- Drive mode: manual, pneumatic, electric
- Finish: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935–2004; PED/97/23/EC.

止回阀流量曲线图 Flow Chart Of Check Valve

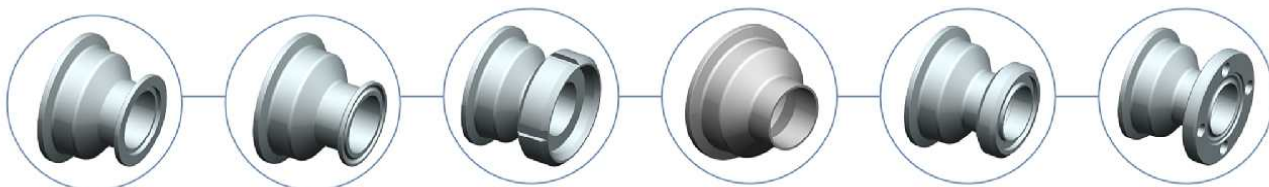
止回阀曲线图(1"-DN40) Check valve curve



止回阀曲线图(2"-DN100) Check valve curve



非常灵活的阀体组合和连接方式 Very Flexible Valve Body Combination And Connection Method



注意：接口适用于所有系列止回阀 Note: The interface is suitable for all series of check valves

止回阀 Check valve

迷你型止回阀 Mini check valve

ZHF-Mini type

SIZE: DN4-DN20, 1/4"-3/4"
密封: PTFE



中间卡箍式止回阀 Intermediate clamp check valve

ZHF-ZK type

SIZE: DN25-DN100, 1"-4"
密封: EPDM FKM Silicon HNBR PTFE



中间螺母止回阀 Intermediate nut check valve

ZHF-ZL type

SIZE: DN25-DN100, 1"-4"
密封: EPDM FKM Silicon HNBR PTFE



中间法兰式止回阀
Intermediate flange check valve

ZHF-ZF type

SIZE: DN25-DN100, 1"-4"
密封: EPDM FKM Silicon HNBR PTFE



中间卡箍式止回阀-09款
Intermediate clamp check valve -09

ZHF-ZK09 type

SIZE: DN25-DN100, 1"-4"



三片式止回阀
Three-piece check valve

ZHF-SP type

SIZE: DN125-DN300, 5"-12"



灌装阀 Filling valve



灌装阀系列

灌装阀主要用来将物料灌装到硬包装或软包装中的一款阀门。

- 流量切换式隔膜灌装阀
- 隔膜式灌装阀
- 颗粒式灌装阀
- 柱塞式灌装阀

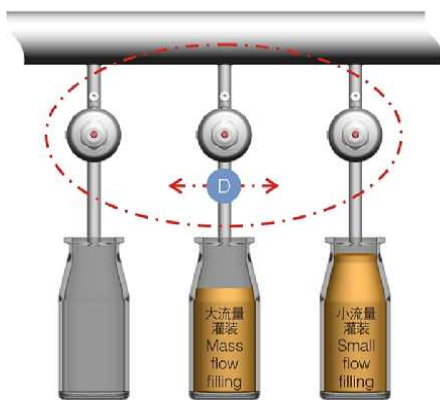
Filling valve series

The filling valve is mainly used to fill materials into rigid or flexible packaging.

- Flow switching type diaphragm filling valve
- Diaphragm type filling valve
- Particle type filling valve
- Plunger type filling valve

流量切换式隔膜灌装阀 Flow switching diaphragm filling valve

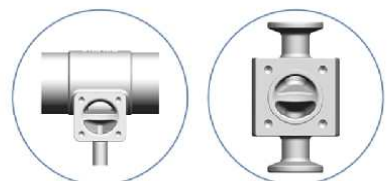
DJ-GZ-QHGM type



一个阀门可实现瞬间切换流量灌装
One valve can switch flow filling instantly

是一款流量可切换、可调节、无菌、无死角、无滞留的隔膜式灌装阀。
规格: 1/4"-3/4", DN4-DN15
气缸直径 (D): 38 和 52mm
压力: ≤ 3bar
材质: 304/1.4301, 316L/1.4404
温度: -20°C~130°C
膜片: EPDM/FKM/ EPDM+PTFE
寿命: ≥ 1000万次
动作频率: ≥ 5次/S
阀体结构: 直通、三通

It is a diaphragm-type filling valve with flow switchable, adjustable, sterile, no dead ends, and no retention.
Specification: 1/4"-3/4", DN4-DN15
Cylinder diameter (D): 38 and 52mm
Pressure: ≤ 3bar
Material: 304/1.4301, 316L/1.4404
Temperature: -20°C~130°C
Diaphragm: EPDM/FKM/ EPDM+PTFE
Life: ≥ 10 million times
Action frequency: ≥ 5 times/S
Valve body structure: straight, three-way



颗粒灌装阀
Particle filling valve

DJ-GZ-KL type



安装在灌装设备系统实例
Example installed in filling equipment system

是一款主要用来灌装带有颗粒的物料，设计有内部和外部屏障完全隔绝，具有无菌、无死角、无滞留、灌装颗粒极小损坏，灌装量可调节的一款灌装阀。

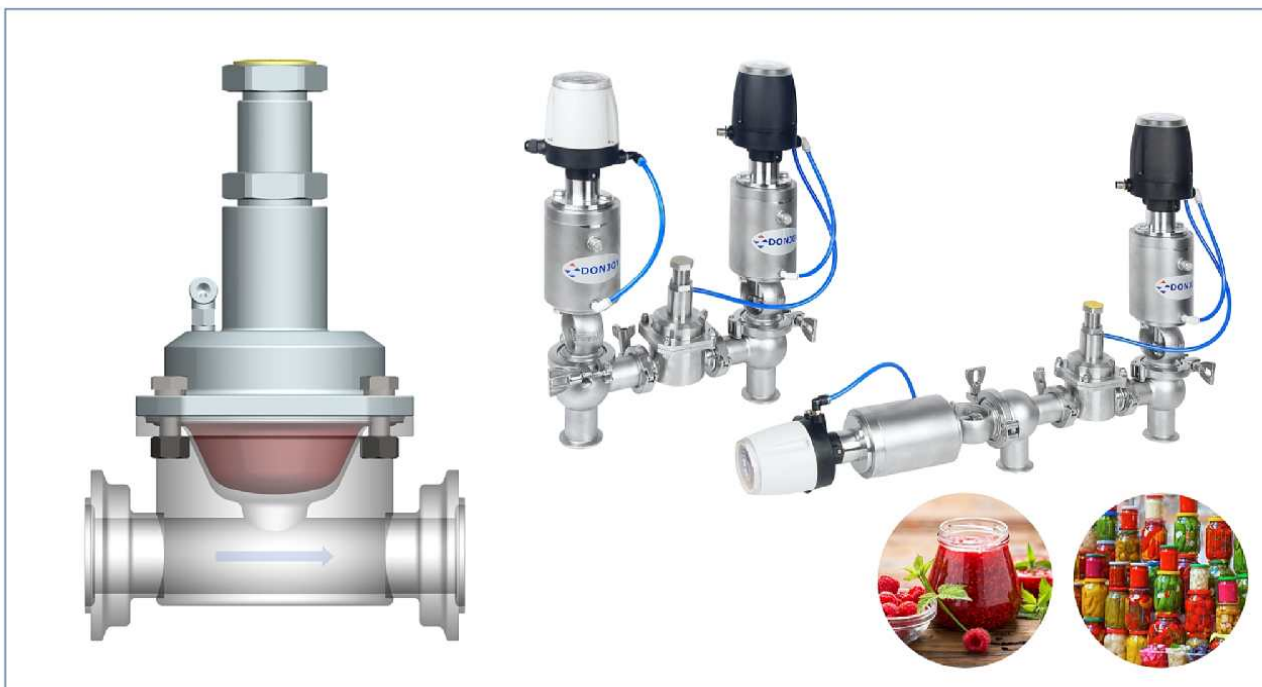
规格：1"-4"，DN25-DN100
压力：≤ 3bar
温度：-10°C~130°C
材质：304/1.4301, 316L/1.4404
颗粒通过直径：≤40mm
膜片：EPDM FKM
膜片寿命：≥500万次

It is mainly used to fill materials with particles, designed with the internal and external barriers are completely isolated. A filling valve with sterile, no dead ends, no retention, minimal damage to filling particles, adjustable filling volume.
Specification: 1"-4", DN25-DN100
Pressure: ≤ 3bar
Temperature: -10°C~130°C
Material: 304/1.4301, 316L/1.4404
Particle diameter: ≤40mm
Diaphragm: EPDM FKM
Diaphragm life: ≥ 5 million times



颗粒灌装无损坏、
罐装流量可调节
No damage in particle filling,
the filling flow can be adjusted

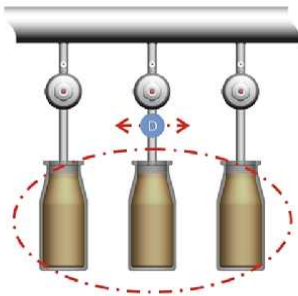
典型应用 Typical application



灌装阀 Filling valve

隔膜式灌装阀 Diaphragm type filling valve

DJ-GZ-GM type



是一款无滞留、无死角、无菌型灌装阀，它具有非常高的动作频率。
规格：1/4"-3/4"，DN4-DN15
气缸直径 (D)：38 和 52mm
材质：304/1.4301,316L/1.4404
温度：-20°C~130°C
膜片：EPDM/FKM/ EPDM+PTFE
寿命：≥1000万次
动作频率：≥6次/S
阀体结构：直通、三通

It is a non-retention, no dead angle, aseptic filling valve. It has a very high operating frequency.
Specification: 1/4"-3/4", DN4-DN15
Cylinder diameter (D): 38 and 52mm
Material: 304/1.4301, 316L/1.4404
Temperature: -20°C~130°C
Diaphragm: EPDM/FKM/ EPDM+PTFE
Life: ≥10 million times
Action frequency: ≥6 times/S
Valve body structure: straight, three-way



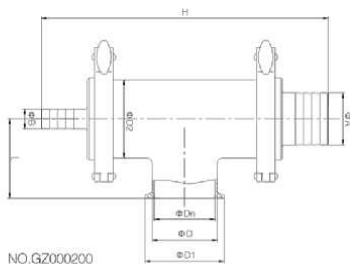
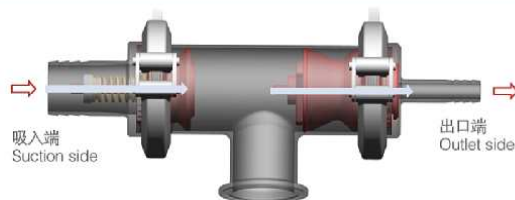
柱塞式灌装阀 Plunger type filling valve

DJ-GZ-ZS type

是一款利用柱塞产生压力和负压而达到灌装的一款阀门，它非常适合和广泛的应用在各种食品、饮料、果汁等各种带有粘度的介质灌装设备系统中。

规格：1"-4"，DN25-DN100
压力：≤10bar
温度：-10°C~130°C
材质：304/1.4301,316L/1.4404

It is a valve that uses the plunger to generate pressure and negative pressure to achieve filling. It is very suitable and widely used in various foods, beverages, juices, etc. A kind of medium filling equipment system with viscosity.
Specification: 1"-4", DN25-DN100
Pressure: ≤10bar
Temperature: -10°C~130°C
Material: 304/1.4301, 316L/1.4404



工作原理 Operating principle

柱塞收缩时产生负压。迫使吸入口单向阀被打开，出口单向阀关闭，液体被真空吸入到阀腔内。柱塞伸张时液体压力增高，迫使单向阀打开，吸入口单向阀关闭，液体也随之被输送。

Plunger contraction produces negative pressure. Liquids was sucked into the valve chamber by vacuum, forcing the suction inlet of one-way valve opened, and the outlet closed. Liquid pressure increases when the plunger is extended, forcing the one-way valve opened and the inlet closed, so the liquid will be transported.

SIZE	Dn	D	D1	D2	A	B	H	L
1.5"	35	38	50.5	51	38	19.5	244	60
2"	48	51	64	51	38	19.5	244	60
2.5"	59.5	63.5	77.5	63.5	50.8	19.5	280	78
3"	72.2	76.2	91	76.2	50.8	19.5	280	78

洗手阀

Hand washing valve

红外感应开关阀

Infrared Sensor Switch Valve

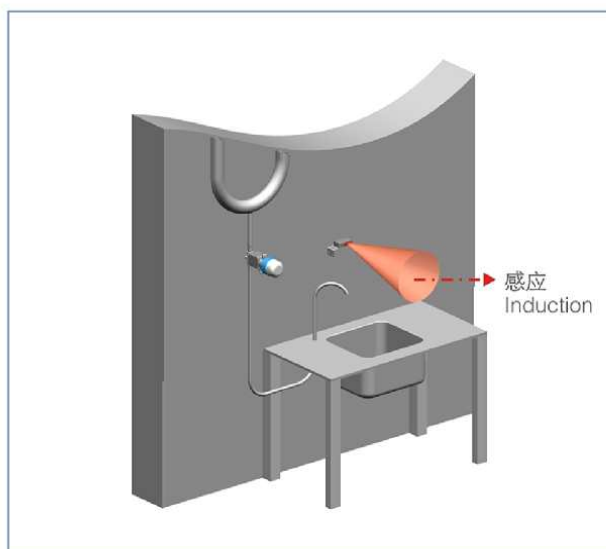
该阀门典型应用在洁净区，特别是用在禁止直接用手接触水龙头一种感应型阀门，该阀门利用红外线光电感应人体后开启阀门，未感应到人体的时阀门自动关闭。

This valve is typically used in clean areas, especially in a Induction valve that prohibits direct hand contact with the faucet. The valve uses infrared photoelectric to sense the human body and then opens the valve. If the human body is not sensed, the valve automatically closes.



- 阀体材质: 316L SUS 316L
 - 密封材质: FKM EPDM
 - 工作温度: $\leq 80^{\circ}\text{C}$, 也可根据用户需求定义
 - 工作压力: 3bar
 - 感应距离: 0-3M, 可调整
 - 供电: AC220V/110V, DC24V
 - 接口方式: 卡箍、螺纹、焊接、螺母等
 - 防护等级: IP67
- Valve body material: 316L SUS 316L
 - Sealing material: FKM EPDM
 - Working temperature: $\leq 80^{\circ}\text{C}$, can also be defined according to user requirements
 - Working pressure: 3bar
 - Induction distance: 0-3M, adjustable
 - Power supply: AC220V/110V, DC24V
 - Interface mode: clamp, thread, welding, nut, etc.
 - Protection level: Ip67

典型应用(1) Typical Application



- 1、阀门+弯头出口
 - 2、红外光电
1. Valve + elbow outlet
 2. Infrared photoelectric

典型应用(2) Typical Application



- 1、阀门+直管出口
 - 2、红外光电
1. Valve + straight pipe outlet
 2. Infrared photoelectric

取样阀 Sampling valve

DJ-QY type



取样阀严格按照美国3-A标准其包含无菌取样阀、无滞留取样阀、酸奶取样阀等各种设计

阀体材质: 316L/1.4404, ASME BPE 316L

密封材质: EPDM FKM PTFE

The sampling valve strictly complies with the American 3-A standard, which includes various designs such as aseptic sampling valve, non-retention sampling valve, yogurt sampling valve, etc.

Body material: 316L/1.4404, ASME BPE 316L

Sealing material: EPDM FKM PTFE



无滞留取样阀 No retention sampling valve

阀体材质: 316L/PEEK 密封材质: PTFE Body material: 316L/PEEK Sealing material: PTFE

DJ-QY-WZL type

- 1、偏心安装接口
- 2、中心安装接口

1. Eccentric installation interface
2. Center installation interface



无菌取样阀
Aseptic sampling valve

DJ-QY-WJ type

DJ-QY-WJ-FW 自复位无菌取样阀
DJ-QY-WJ-QD 气动无菌取样阀
DJ-QY-WJ-GG 杠杆无菌取样阀

DJ-QY-WJ-FW Self-resetting aseptic sampling valve
DJ-QY-WJ-QD Pneumatic aseptic sampling valve
DJ-QY-WJ-GG Lever aseptic sampling valve



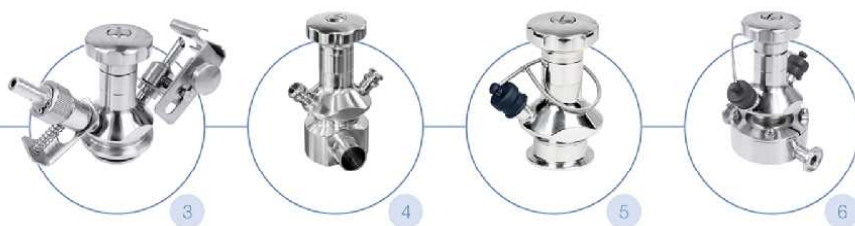
1. 嵌入式卡箍无菌取样阀
2. 嵌入式焊接无菌取样阀

1. Embedded clamp aseptic sampling valve
2. Embedded welding aseptic sampling valve



3. 转接式无菌取样阀
4. 管路连接无菌取样阀
5. 单口无菌取样阀
6. 管路连接无菌取样阀

3. Transfer type aseptic sampling valve
4. Pipeline connection aseptic sampling valve
5. Single port aseptic sampling valve
6. Pipeline connection aseptic sampling valve



取样阀 Sampling valve



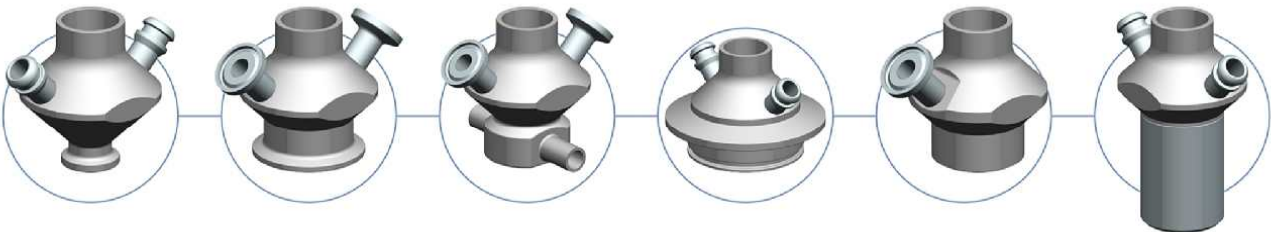
各种不同无菌取样阀-阀头 Various aseptic sampling valves-valve heads



不同的出口方式 Different outlet way



不同的连接方式阀体 Different body connection way



温度 Temperature

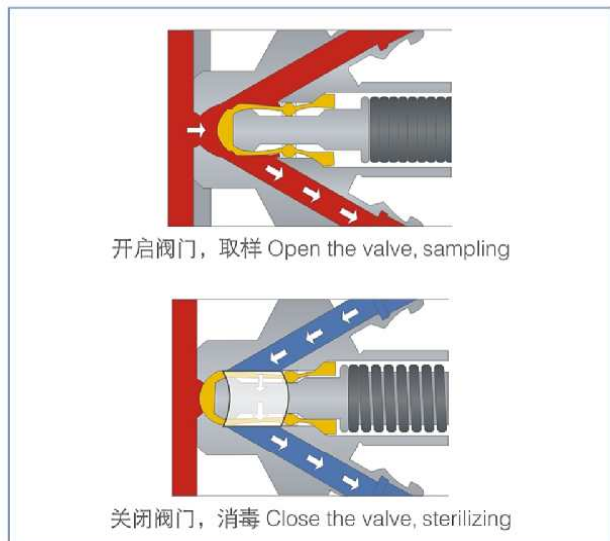
- 最高温度: 130°C(EPDM) ●Max. Temperature: 130°C(EPDM)
- 最高温度: 150°C(PTFE) ●Max. Temperature: 150°C(PTFE)

密封材质 Seal material

1. PTFE 2. EPDM 3. FKM



工作原理图 Working principle diagram



取样阀 Sampling valve

接口方式：焊接、螺纹、卡箍、螺母 Connection way: welded, threaded, clamped, nut

DJ-QY type

DJ-QY-Z 直通取样阀
DJ-QY-Y Y型取样阀
DJ-SY-SN 酸奶取样阀

DJ-QY-Z Straight way sampling valve
DJ-QY-Y Y type sampling valve
DJ-SY-SN Yogurt Sampling Valve



DJ-QY-Z



DJ-QY-L



DJ-QY-Y



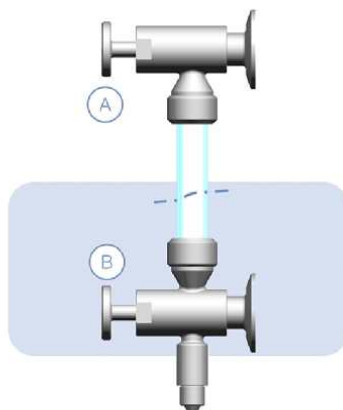
DJ-QY-Y



DJ-QY-SN

液位阀 Liquid level valve

接口方式：焊接、螺纹、卡箍、螺母 Connection way: welded, threaded, clamped, nut



DJ-QY-YW-A 液位阀 A
DJ-QY-YW-B 液位阀-B
DJ-QY-YW-C 液位阀-C

DJ-QY-YW-A Liquid level valve A
DJ-QY-YW-B Liquid level valve-B
DJ-QY-YW-C Liquid level valve-C



DJ-QY-YW-A



DJ-QY-YW-B



DJ-QY-YW-C

单座式管路取样阀 Single-seat pipeline sampling valve

单座取样阀可在线CIP清洗、SIP杀菌，也取样带有颗粒物料也可视窗观察，是一款多功能的一款阀门。

Liquid level valve The single sampling valve can be cleaned by online CIP, SIP sterilization, and sampling with particle materials can also be observed to the window. It is a multifunctional valve.

DJ-QY-DZ type



A 主管道
A main pipeline
DN40-1.5"
DN50-2"
2.5"
DN65-3"

B 管道
B pipeline
DN10-1/2"
DN15-3/4"
DN25-1"
DN40-1.5"
DN50-2"

清洗技术 Cleaning technology

DJ-QX-type

清洗技术系列产品其包含，360°清洗器、旋转清洗球阀、固定清洗球、罐底管道清洗阀。

The cleaning technology series products include 360° cleaning device, rotating cleaning ball valve, fixed cleaning ball, tank bottom pipeline cleaning valve.



360°清洗器 360° Washer

DJ-QX-PS type



360° 无死角清洗、低液损耗、自润滑、自清洗、清洗距离可达22M。

360° no dead angle cleaning, low fluid loss, self-lubricating, self-cleaning, cleaning distance up to 22M.

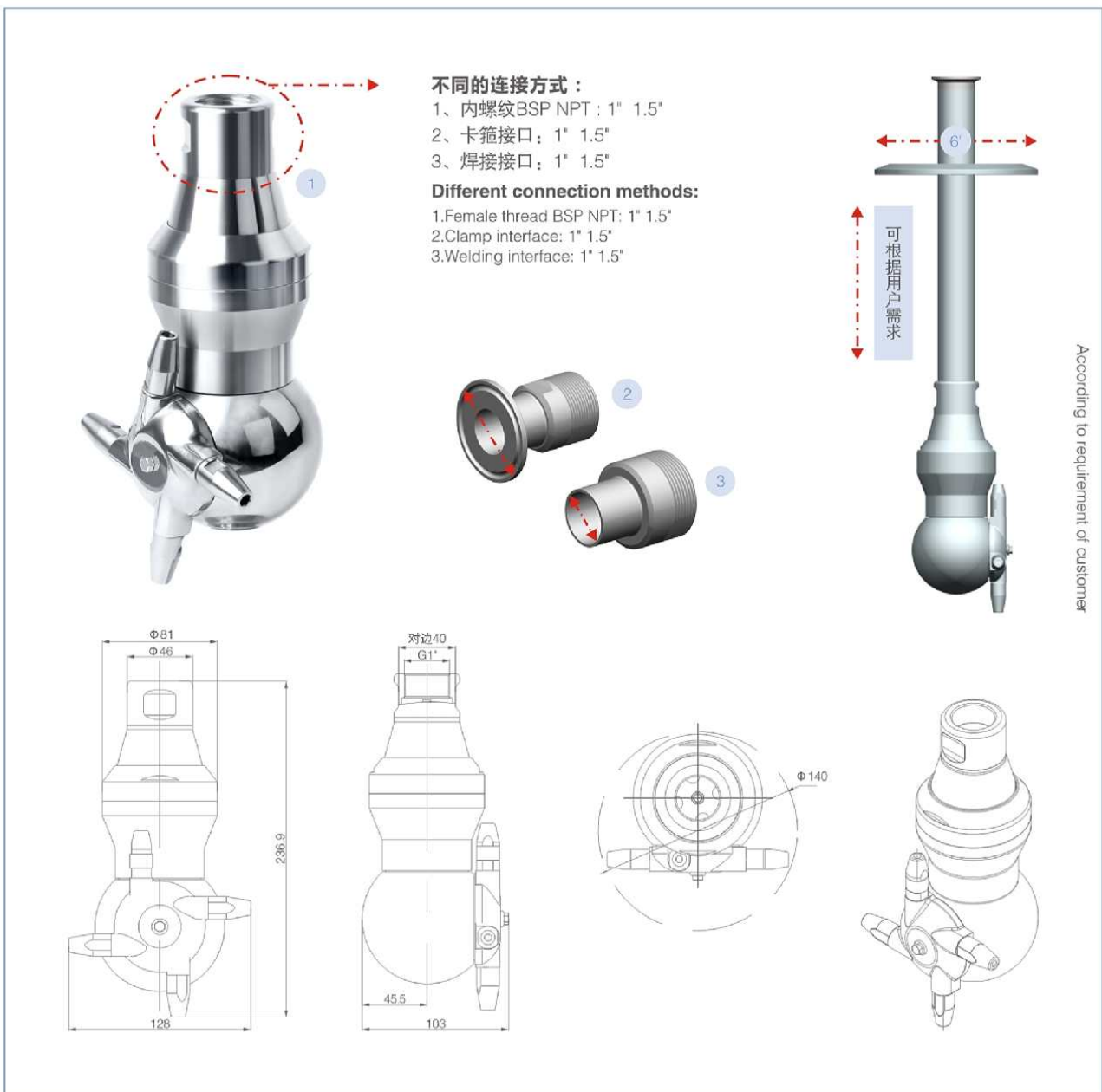
该清洗器主要用来清洗较为顽固污渍和≤22米直径容器罐体设备，和其他清洗设备相比较有着非常大的技术优势，如更少的流量、更短的时间、360°全覆盖清洗、无死角、自润滑、清洗更加洁净等技术特点。

This cleaner is mainly used to clean more stubborn stains and ≤22m diameter container and tank equipment. Compared with other cleaning equipment, it has very large technical advantages, such as less flow, shorter time, 360° full coverage cleaning, No dead angles, self-lubricating, cleaner cleaning and other technical characteristics.

- 流量：≤16m³/h (取决于压力和喷嘴尺寸)
- 压力：4-10bar
- 建议工作压力：6bar
- 工作温度：95℃
- 材质：316L/1.4404
- 清洗有效距离：22M(取决于压力和喷嘴尺寸)

- Flow rate: ≤16m³/h (depending on pressure and spray size)
- Pressure: 4-10bar
- Recommended working pressure: 6bar
- Working temperature: 95℃
- Material: 316L/1.4404
- Cleaning effective distance: 22M (depending on pressure and nozzle size)

安装尺寸图 Installation Dimension Drawing



清洗技术

Cleaning technology

喷射器清洗周期和流量消耗表 Ejector cleaning cycle and flow consumption table

单个清洗周期时间和流量消耗 Single cleaning cycle time and flow consumption				建议清洗时间和流量消耗和清洗周期 Recommended cleaning time and flow consumption and cleaning cycle					
喷嘴直径 Nozzle diameter (mm)	压力 Pressure (bar)	时间/周期 Time period (minute)	流量消耗 Flow consume L/升	易清洗污渍 Easy to clean stains		一般污渍 General stains		顽固污渍 Stubborn stains	
				消耗流量*1周期(L/升) Consumption flow *1 cycle	时间 Time (min)	消耗流量*2周期(L/升) Consumption flow *2 cycle	时间 Time (min)	消耗流量*3周期(L/升) Consumption flow *3 cycle	时间 Time (min)
5	4	6min 45s	710	710	7	1420	14	2130	21
	5	5min 30s	645	645	6	1290	12	1935	18
	6	5 min	635	635	5	1270	10	1905	15
	7	4min 30s	610	610	5	1220	10	1830	15
	8	4 min	580	580	4	1160	8	1740	12
	10	3min 30s	565	565	4	1130	8	1695	12
6	4	5 min	650	650	5	1300	10	1950	15
	5	4min 30s	650	650	5	1300	10	1950	15
	6	4min	620	620	4	1240	8	1860	12
	7	3min 45s	610	610	4	1220	8	1830	12
	8	3min 30s	610	610	4	1220	8	1830	12
	10	3min	580	580	3	1160	6	1740	9
7	4	4min	615	615	4	1230	8	1845	12
	5	3min 30s	600	600	4	1200	8	1800	12
	6	3min	555	555	3	1110	6	1665	9
	7	2min 45s	545	545	3	1090	6	1635	9
	8	2min 30s	530	530	3	1060	6	1590	9
	10	2min	475	475	3	950	6	1425	9
8	4	3min 30s	595	595	3	1190	6	1785	9
	5	3min	570	570	3	1140	6	1710	9
	6	2min 45s	570	570	3	1140	6	1710	9
	7	2min 30s	555	555	3	1110	6	1665	9
	8	2min 15s	535	535	3	1070	6	1605	9



- 1、周期：是指喷射360°全覆盖的清洗所需的时间。
- 2、消耗：是指每个周期清洗所需要流体消耗(单位：升(L))。
- 3、建议清洗时间：是指为确保不同的污渍采用不同的清洗时间。
- 4、建议清洗时间不一定精确，具体要根据实际清洗效果为准，但必须注意每个清洗周期所需的时间和流量消耗，否则可能存在缺液或存在局部未洗净。
- 5、因介质、温度、压力等可能存在的误差，液体消耗可能存在误差。

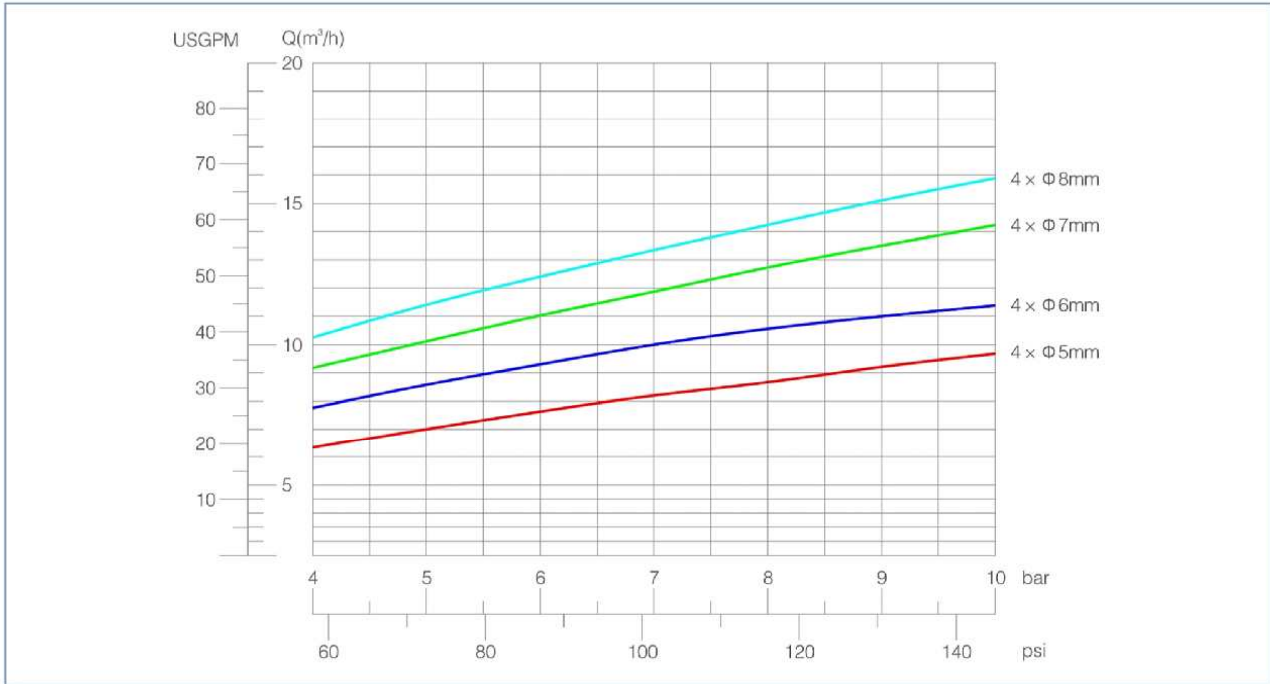
1. Cycle: refers to the time required for spraying 360° full coverage cleaning.
2. Consumption: refers to the fluid consumption (unit: liter (L)) required for each cycle of cleaning.
3. Suggested cleaning time: It means that different cleaning time is not guaranteed for different stains.
4. It is suggested that the cleaning time may not be accurate. The specific cleaning effect shall be based on the actual cleaning effect. However, attention must be paid to the time and flow consumption required for each cleaning cycle, otherwise there may be lack of liquid or partial uncleanness.
5. Due to possible errors in medium, temperature, pressure, etc., there may be errors in liquid consumption.

360° 全覆盖清洗
360° full coverage cleaning



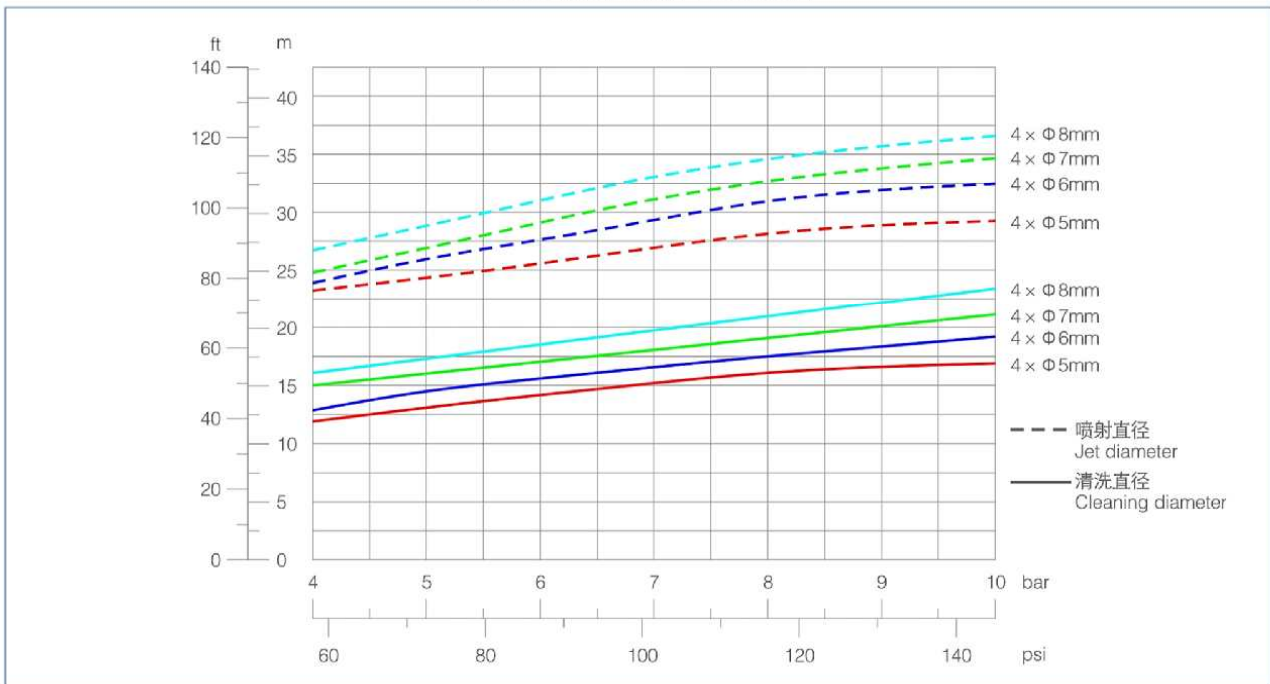
喷射器性能曲线图 Injector performance graph

压力/流量曲线图 Pressure/flow graph



注意：上面图表适用于，介质：水(20°C)。Note: The above chart applies to, medium: water (20°C).

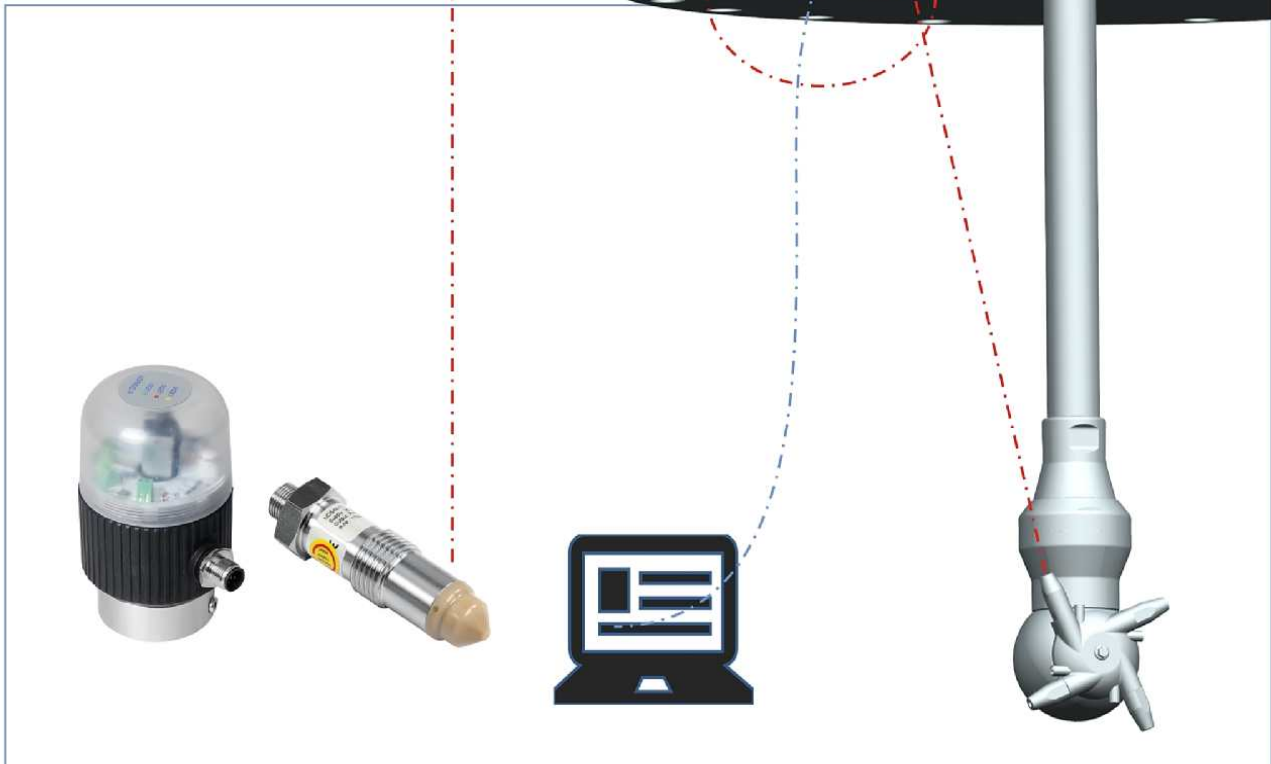
清洗/喷射直径 Cleaning / Jet diameter



注意：上面图表适用于，介质：水(20°C)。Note: The above chart applies to, medium: water (20°C).

清洗技术 Cleaning technology

清洗检测器 Clean the detector



技术特点

- 清洗检测器主要用来检测清洗器在清洗过程中是否存在未正常工作 and 清洗。
- 供电：DC24V
- 输出：PNP 4–20mA
- 检测功能可设定

Technical Features

- The cleaning detector is mainly used to detect whether the cleaning device is not working and cleaning during the cleaning process.
- Power supply: DC24V
- Output: PNP 4–20mA
- Detection function can be set

工作原理

传感器通过采集清洗周期内是否有清洗液体冲洗传感器，通过冲洗次数反馈信号至PLC系统。

信号反馈状态和检测器可视显示如：

- 1) 正常状态信号反馈，检测器LED灯绿色显示；
- 2) 清洗卡死不转清洗反馈信号，检测器LED灯显示红色。

Working Principle

The sensor flushes the sensor by collecting whether there is cleaning liquid in the cleaning cycle, and feedback signals to the PLC system through the number of flushing.

The signal feedback status and visual display of the detector are as follows:

- 1) Normal state signal feedback, the detector LED light shows green;
- 2) The cleaning feedback signal is stuck and does not turn, and the detector LED light shows red.



新一代清洗技术：
-液体损耗下降30%
-噪音下降50%
-寿命提升2倍
-更加洁净

New generation cleaning technology:
-30% reduction in fluid loss
-Noise reduction by 50%
-Life span is increased by 2 times
-Cleaner

旋转式清洗球 Rotary cleaning ball

DJ-QX-XZ type



更少流量消耗、更低噪音、更长使用寿命、更短清洗时间、清洗效果更加洁净。

Less flow consumption, lower noise, longer service life, shorter cleaning time, cleaner cleaning effect.

东正制造清洗球至今已有20多年经验，我们深知市场有非常多的清洗球产品，但普遍存在噪音大、清洗效果差、液体消耗大、清洗直径小、使用寿命短、清洗旋转不稳定等缺点。东正结合自身的经验和技術团队的努力对旋转式清洗球进行了系统性技术升级，升级后的产品具有更低噪音、更小流量消耗、更长使用寿命、更短清洗时间、清洗效果更加洁净等技术优势。

DONJOY has more than 20 years of experience in manufacturing cleaning balls. We know that there are many cleaning ball products in the market, but they are generally noisy, poor cleaning effect, large liquid consumption, small cleaning diameter, short service life, and unstable cleaning rotation and other shortcomings. Dongzheng combined its own experience and the efforts of the technical team to systematically upgrade the rotary cleaning ball. The upgraded product with lower noise, smaller flow consumption, longer service life, shorter cleaning time, and better cleaning effect.

- 球体尺寸：22mm、28mm、45mm、65mm
- 接口尺寸：1/2"-2.5"，DN10-DN65
- 连接方式：焊接、卡箍、螺纹、螺母、插销等
- 工作压力：≤ 4bar
- 工作温度：-10°C至130°C
- 材质：316L/1.4404 PEEK
- Sphere size: 22mm, 28mm, 45mm, 65mm
- Interface size: 1/2"-2.5", DN10-DN65
- Connection method: weld, clamp, thread, nut, bolt, etc.
- Working pressure: ≤ 4bar
- Working temperature: -10°C to 130°C
- Material: 316L/1.4404 PEEK

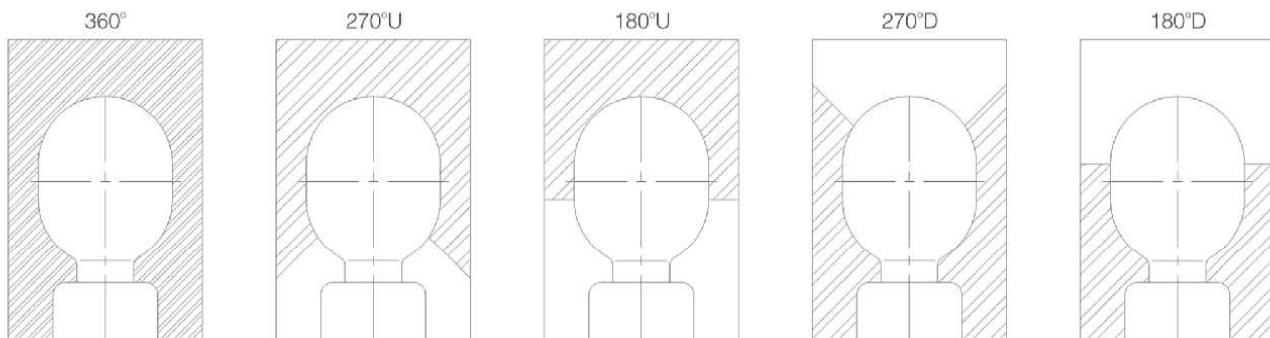
清洗角度可选 Optional cleaning angle

360° 完全覆盖清洗
180° 部分覆盖清洗
270° 大部分覆盖清洗

360° Full coverage cleaning
180° Partial coverage cleaning
270° Mostly covered cleaning

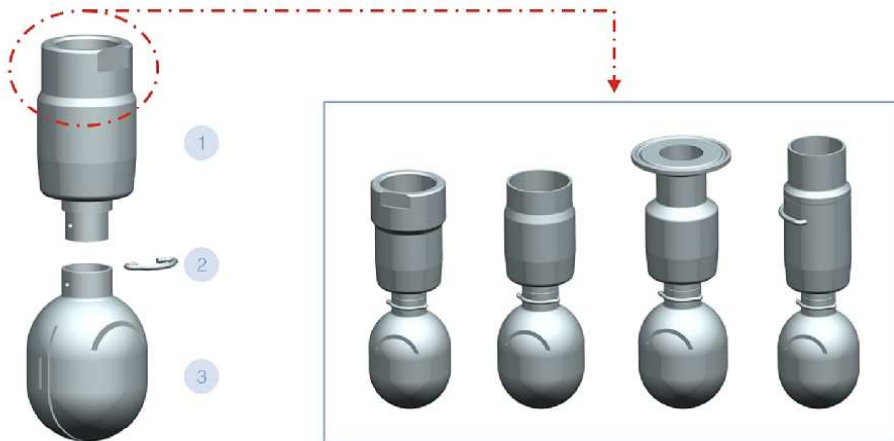
清洗角度可为各种工艺需求或降低清洗液体消耗量而设计。也可为满足某种工艺喷洒液体需求。

The cleaning angle can be designed for various process requirements or to reduce the consumption of cleaning liquid. It can also meet the needs of spraying liquid for certain processes.



清洗技术 Cleaning technology

分体式旋转清洗球-不同连接方式 Split type rotating cleaning ball-different connection methods



配件 Accessories

- 1、主体
- 2、分体插销
- 3、球体
- 1. Body
- 2. Split bolt
- 3. Sphere

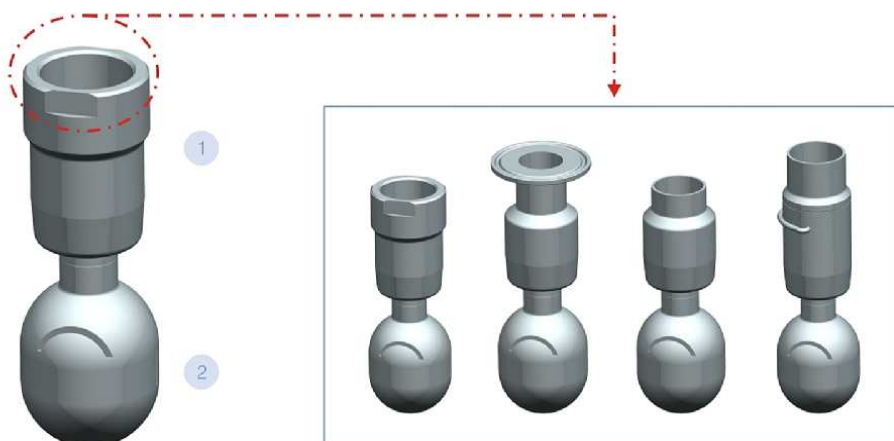
分体式技术优势：

- 1、1种球体可更换不同主体连接方式；
- 2、1种主体可更换不同的球体清洗角度；
- 3、一种球体可更换不同主体尺寸连接方式和尺寸；

Split Technology Advantages:

- 1. One type of sphere can be replaced with different main body connection methods;
- 2. One main body can be replaced with different ball valve cleaning angles;
- 3. One kind of sphere can replace the connection method and size of different main body sizes;

整体式旋转清洗球-不同连接方式 Integral rotating cleaning ball-different connection methods



配件 Accessories

- 1、主体
- 2、球体
- 1. Body
- 2. Sphere

整体式旋转清洗球

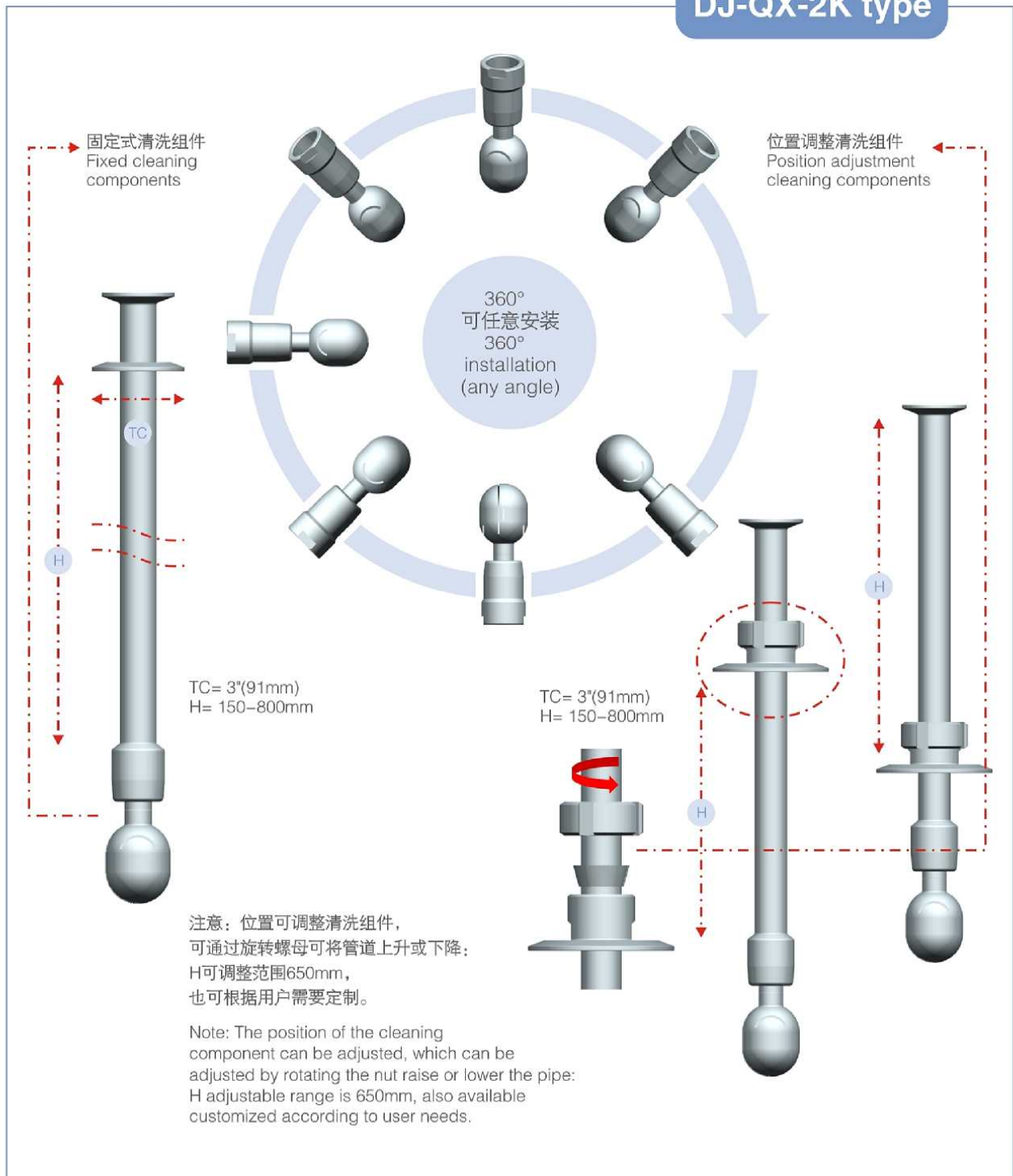
主体和球阀之间不可更换，订购时必须明确的。

Integral Rotating Cleaning Ball

The main body and the ball valve cannot be replaced, and the ordering type must be clear.

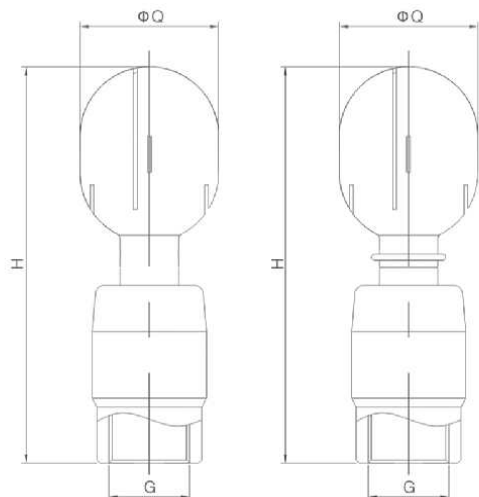
安装角度
Installation angle

DJ-QX-2K type



清洗技术 Cleaning technology

旋转清洗球(螺纹式) Rotating cleaning ball (threaded)



注意：旋转清洗球接口方式：螺纹、卡箍、焊接、插销式
Note: Rotary cleaning ball connection: threaded, clamped, welded, bolted

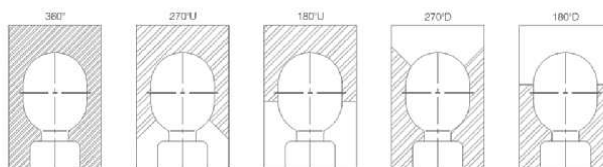
Q	G	H
23	1/8" BSP NPT	69.5
	1/4" BSP NPT	74
	3/8" BSP NPT	74
28	3/8" BSP NPT	88.5
	1/2" BSP NPT	90.5
	3/4" BSP NPT	93.5
45	1/2" BSP NPT	128.5
	3/4" BSP NPT	128.5
	1" BSP NPT	131.5
65	1" BSP NPT	169.5
	1.25" BSP NPT	169.5
	1.5" BSP NPT	169.5

固定式清洗球 Fixed cleaning ball

DJ-QX-GD type



- 球体尺寸：22mm、28mm、45mm、65mm
- 接口尺寸：1/2"–2"，DN10–DN50
- 连接方式：焊接、卡箍、螺纹、螺母、插销等
- 材质：316L/1.4404 PEEK
- Sphere size: 22mm, 28mm, 45mm, 65mm
- Interface size: 1/2"–2", DN10–DN50
- Connection method: welding, clamp, thread, nut, bolt, etc.
- Material: 316L/1.4404 PEEK



清洗阀 Cleaning valve

DJ-QXF type



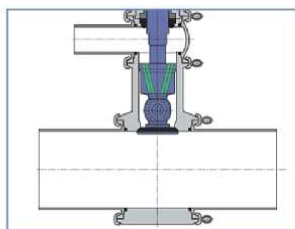
技术特点 Technical Features

该清洗阀，主要解决了因清洗球长期泡在介质中形成的死角而容易细菌繁殖而污染介质。该阀门开启时清洗，关闭时保持清洗球与介质不接触，从而避免了死角。

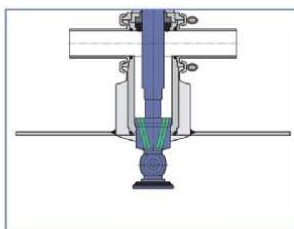
The cleaning valve mainly solves the dead angle formed by the cleaning ball soaking in the medium for a long time, which is easy to pollute the medium by breeding bacteria. The valve is cleaning when it is opened, and when it is closed, the cleaning ball is not in contact with the medium, thus avoiding the dead angle.

- 规格：DN25-1".....4"-DN100
- 连接方式：焊接、卡箍、罐底法兰
- 材质：316L/1.4404
- 工作温度：-20℃ 到 130℃

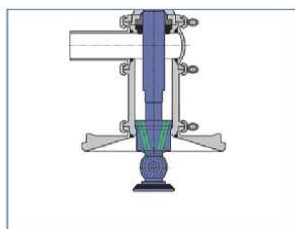
- Specification: DN25-1".....4"-DN100
- Connection method: welding, clamp, tank bottom flange
- Material: 316L/1.4404
- Working temperature: -20°C to 130°C



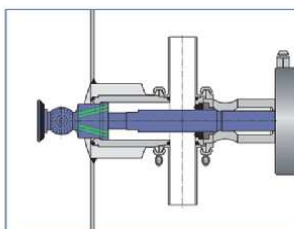
卡箍连接
Clamp connection



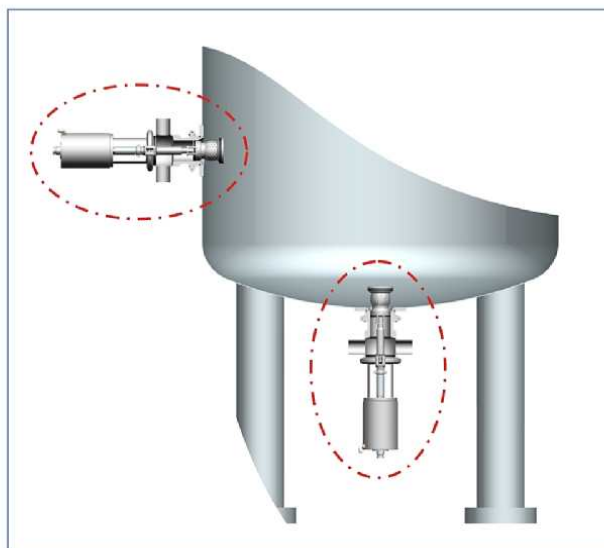
对焊连接
Butt welding connection



法兰连接
Flange connection



侧面焊接连接
Side welding connection



视镜与照明

Sight glass and lighting

DJ-SJ type

视镜有多种设计其包含由任视镜、卡箍任视镜、直通视镜、四通视镜、法兰视镜、法兰卡箍视镜。

There are many designs of sight glasses, including any sight glasses, clamp sight glasses, straight sight glasses, four-way sight glasses, flange sight glasses, flange clamp sight glasses. The sight glass is designed in strict accordance with the American 3-A high cleanliness requirements.

温度: -20°C到150°C

压力: 真空~10bar

材质: 304/316L, 1.4301/1.4404

Temperature: -20°C to 150°C

Pressure: Vacuum to 10bar

Material: 304/316L, 1.4301/1.4404



DJ-SJ-LED-FB

视镜灯

Sight glass light

接口: 焊接式、卡箍式、多角度支架安装方式。

供电: 可充电锂电池, DC24V供电

材质: 铝合金外壳、不锈钢外壳

防护等级: IP69

Interface: welding type, clamp type, multi-angle bracket installation method.

Power supply: rechargeable lithium battery, DC24V power supply

Material: aluminum alloy shell, stainless steel shell

Protection level: Ip69

Serial Number

DJ-SJ-LED-22 铝合金可充电锂电池视镜灯

DJ-SJ-LED-24 不锈钢DC24V视镜灯

DJ-SJ-LED-FB DC24V防爆视镜灯

DJ-SJ-LED-22 Aluminum alloy rechargeable lithium battery mirror light

DJ-SJ-LED-24 stainless steel DC24V mirror light

DJ-SJ-LED-FB DC24V explosion-proof sight glass lamp

DJ-SJ-LED-22

DJ-SJ-LED-24

直通视镜 Direct sight glass

DJ-SJ-ZT type

SIZE: DN10-DN150/1/2"-6"

Serial Number

DJ-SJ-ZT 基本型直通视镜
DJ-SJ-ZT-WK 网孔防护直通视镜
DJ-SJ-ZT-WJ 窗口防护直通视镜

DJ-SJ-ZT Basic straight-through sight glass

DJ-SJ-ZT-WK Mesh protection through sight glass

DJ-SJ-ZT-WJ Window protection through sight glass



DJ-SJ-ZT



DJ-SJ-ZT-WK



DJ-SJ-ZT-WJ

不同连接方式 Different Connection Methods

- | | | | |
|------|--------|------------|-------------------|
| 1、焊接 | 4、螺母 | 1. Welding | 4. Nut |
| 2、卡箍 | 5、无菌法兰 | 2. Clamp | 5. Aseptic flange |
| 3、螺纹 | 6、法兰 | 3. Thread | 6. Flange |



1



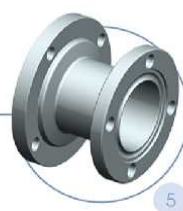
2



3



4



5



6

由任视镜 Union sight glass

DJ-SJ-YR type

SIZE: DN25-DN150/1"-6"



DJ-SJ-YR



DJ-SJ-YR-GC



DJ-SJ-YR-22



DJ-SJ-YR-24



DJ-SJ-YR-24-FB

Serial Number

DJ-SJ-YR 基本型由任视镜
DJ-SJ-YR-GC 刮尘由任视镜
DJ-SJ-YR-22 可充电锂电池视由任视镜灯
DJ-SJ-YR-24 DC24V由任视镜灯
DJ-SJ-YR-24-FB DC24V由任视镜防爆灯

DJ-SJ-YR Basic type by any sight glass
DJ-SJ-YR-GC Scraping dust by any sight glass
DJ-SJ-YR-22 Rechargeable Lithium Battery Optional Mirror Lamp
DJ-SJ-YR-24 DC24V By any mirror light
DJ-SJ-YR-24-FB DC24V Explosion-proof lamp by any sight mirror

视镜 Sight glass

法兰卡箍视镜 Flange clamped sight glass

DJ-SJ-FLK type

SIZE: DN25-DN150/1"-6"



Serial Number

DJ-SJ-FLK 基本型法兰卡箍视镜

DJ-SJ-FLK-22 可充电锂电池视由任视镜灯

DJ-SJ-FLK-24 DC24V由任视镜灯

DJ-SJ-FLK Basic type flange clamped sight glass

DJ-SJ-FLK-22 With rechargeable lithium battery LED light

DJ-SJ-FLK-24 With DC24V LED light

法兰卡箍视镜玻璃平面和法兰完全齐平，具有无滞留、无死角。

The tempered glass of flange clamped sight glass is kept completely parallel with flange, with no retention and no dead angle.

卡箍由任视镜 Clamp union sight glass

DJ-SJ-KG type

SIZE: DN25-DN150/1"-6"



Serial Number

DJ-SJ-KG 基本型卡箍视镜

DJ-SJ-KG-22 可充电锂电池卡箍视镜灯

DJ-SJ-KG-24 DC24V卡箍视镜灯

DJ-SJ-KG Basic type clamp sight glass

DJ-SJ-KG-22 With rechargeable lithium battery LED light

DJ-SJ-KG-24 With DC24V LED light

卡箍视镜完全与标准的卡箍接头匹配，安装极其简单。

The clamp sight glass is completely matched with standard clamp ferrule, and the installation is extremely simple.

法兰视镜 Flange sight glass

DJ-SJ-FL type

SIZE: DN25-DN300/1"-12"



Serial Number

DJ-SJ-FL 基本型法兰视镜

DJ-SJ-FL-22 可充电锂电池法兰视镜灯

DJ-SJ-FL-24 DC24V法兰视镜灯

DJ-SJ-FL Basic type flange sight glass

DJ-SJ-FL-22 With rechargeable lithium battery LED light

DJ-SJ-FL-24 With DC24V LED light

法兰视镜具有20bar压力等级。

The pressure rating of flange sight glass is 20bar.

四通视镜 Four-way sight glass

DJ-SJ-ST type

SIZE: DN25-DN100/1"-4"



Serial Number

DJ-SJ-ST 基本型四通视镜

DJ-SJ-ST-22 可充电锂电池四通视镜灯

DJ-SJ-ST-24 DC24V四通视镜灯

DJ-SJ-ST Basic type four way sight glass

DJ-SJ-ST-22 With rechargeable lithium battery LED light

DJ-SJ-ST-24 With DC24V LED light

四通视镜具有无死角、无滞留。

The four way sight glass with no dead angle and no retention.

过滤器 Filter

GL- type



过滤器有多种设计方案：

管道过滤器：直通、Y型、L型，双联过滤器

微孔过滤器：单芯、多芯、双联过滤器

地面过滤排泄(地漏)

The filter has a variety of design options:

Pipeline filter: straight, Y type, L type, double filter

Microporous filter: single core, multi core, double filter

Ground filtration and drainage (floor drain)

地面过滤排泄(地漏) Ground filtration and drainage (floor drain)



材质：304/316L
规格：1"-6", DN25-DN150
温度：-30°C~150°C

Material: 304/316L
Size: 1"-6", DN25-DN150
Temperature: -30°C to 150°C



管道过滤器滤芯
Pipeline filter element



网孔滤芯 Mesh filter element

材质 Material: 316L/304

过滤精度 Filtration accuracy(mm): 0.5; 0.8; 1; 1.5; 2; 3等

扁形开口滤芯 Wedge filter element

材质 Material: 316L

过滤精度 Filtration accuracy(目): 40、60、80、165等

筛网滤芯 Screen element

材质 Material: 316L/304

过滤精度 Filtration accuracy(目): 300、200、100、50等

管道过滤器-L型
Pipe filter-L type



材质: 304/316L

规格: 1"-6", DN25-DN150

压力: 真空~10bar

温度: -30°C~150°C

Material: 304/316L

Size: 1"-6", DN25-DN150

Pressure: Vacuum to 10bar

Temperature: -30°C to 150°C



管道过滤器-I型
Pipe filter-I type



材质: 304/316L

规格: 1"-6", DN25-DN150

压力: 真空~10bar

温度: -30°C~150°C

Material: 304/316L

Size: 1"-6", DN25-DN150

Pressure: Vacuum to 10bar

Temperature: -30°C to 150°C



过滤器 Filter

管道过滤器-Y型 Pipe filter-Y type

GL-Y Type



材质: 304/316L
规格: 1"-4", DN25-DN100
压力: 真空~10bar
温度: -30°C~150°C

Material: 304/316L
Specification: 1"-4", DN25-DN100
Pressure: Vacuum to 10bar
Temperature: -30°C to 150°C



容器呼吸过滤器(呼吸器) Container breathing filter (respirator)

GL-HX Type



材质: 304/316L
滤芯: 金属、钛棒、PTFE、PE
滤芯规格: 5", 10"
过滤量: 气体3-6m³/min

Material: 304/316L
Filter element: metal, titanium rod, PTFE, PE
Filter specifications: 5", 10"
Filter volume: gas 3-6m³/min



管道双联过滤器 Pipeline duplex filter

GL-SL Type



规格: 1"-4", DN25-DN100
材质: 304/316L
压力: 真空~10bar
温度: -30°C~150°C

Specification: 1"-4", DN25-DN100
Material: 304/316L
Pressure: Vacuum to 10bar
Temperature: -30°C to 150°C



磁性过滤器 Magnetic filter



高效、洁净、无死角、无滞留、可在线清理铁削。
Efficient, clean, no dead angles, no retention, and can clean iron chips online.

该过滤器主要用来清理物料介质中含有铁削，过滤时不影响流通能力，带有视镜观察内部铁屑堆积，清理铁削无需拆卸管路即可实现。
规格：1"-4"，DN25-DN100

The filter is mainly used to clean the iron chips in the material medium, and the flow capacity is not affected during filtration. It is equipped with a sight glass to observe the internal scrap iron accumulation, and the iron chips can be cleaned without removing the pipeline.
Specification: 1"-4", DN25-DN100

微孔过滤器 Micro filter



- 滤芯规格：5"，10"，15"，20"，30"，40"
- 滤芯数量：1芯、2芯、3芯、5芯、7芯、9芯、12芯、24芯等
- 滤芯材质：PP; PES; PTFE; PVDF; N6; N66; CN-CA; ACF;
- 滤芯接口：220; 222; 226;
- 滤芯精度(μm)：0.05; 0.1; 0.2; 0.45; 0.65等各种精度
- 壳体材质：304/1.4301; 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力：真空~10bar(1.0 MPa)
- 温度：-20°C 到+150°C，取决密封于材质
- 密封：EPDM FKM HNBR PTFE
- 连接标准：DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- 连接方式：螺纹、卡箍、焊接、法兰
- 光洁度：Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- 认证：FDA 177.2600; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC。

- Filter element specifications: 5", 10", 15", 20", 30", 40"
- Number of filter elements: 1 element, 2 element, 3 element, 5 element, 7 element, 9 element, 12 element, 24 element, etc.
- Filter element material: PP; PES; PTFE; PVDF; N6; N66; CN-CA; ACF;
- Filter element interface: 220; 222; 226;
- Filter element precision (μm): 0.05; 0.1; 0.2; 0.45; 0.65 and other precisions
- Shell material: 304/1.4301; 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: Vacuum to 10bar (1.0 MPa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Sealing: EPDM FKM HNBR PTFE
- Connection standard: DIN SMS ISO IDF RJT BS4825 ASME BPE 3A DIN11864 DIN11853
- Connection method: thread, clamp, welding, flange
- Finish: Ra≤0.6 μm; MP=Ra≤0.3 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935-2004; PED/97/23/EC.

人孔 Manhole

DJ-RK type



人孔有多种设计如圆型、椭圆型、方形、内开式、外开式、压力型、常压型，也可配置视镜、全玻璃视镜等各种人孔。我们设计的视镜严格按照美国3-A卫生高洁净要求。

Manholes have a variety of designs such as round, oval, square, inward opening, outward opening, pressure, and normal pressure, and can also be equipped with sight glasses, full glass sight glasses and other manholes. The sight glasses we designed strictly comply with American 3-A sanitary and high cleanliness requirements.



技术特点

- 规格：100mm–800mm
- 材质：304/1.4301，316L/1.4404，ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- 压力：真空~10bar(1.0 MPa)
- 温度：-20℃ 到 +150℃，取决于密封于材质
- 密封：EPDM FKM HNBR PTFE
- 光洁度：Ra≤0.8 μm；MP=Ra≤0.6 μm；EP=Ra≤0.3 μm
- 认证：FDA 177.2600；3A–84–02；Glass II USP Glass VI Chapter 88；GB4806.11；EG VO/1935–2004；PED/97/23/EC；

Technical Features

- Specifications: 100mm–800mm
- Material: 304/1.4301, 316L/1.4404, ASME BPE 316L 1.4435 NB2 Fe≤0.5%
- Pressure: vacuum to 10bar (1.0 MPa)
- Temperature: -20°C to +150°C, Depending on the seal material
- Sealing: EPDM FKM HNBR PTFE
- Finish: Ra≤0.8 μm; MP=Ra≤0.6 μm; EP=Ra≤0.3 μm
- Certification: FDA 177.2600; 3A–84–02; Glass II USP Glass VI Chapter 88; GB4806.11; EG VO/1935–2004; PED/97/23/EC;

圆形常压人孔 Round normal pressure manhole

DJ-RK-Yx type

规格 Size: 102/152/200/250/300/350/450/500/550/600/700/800
密封材质 Seal material: EPDM; FKM; Silicon; HNBR
壳体材质 Shell material: 304/1.4301; 316L/1.4404
手轮材质 Handwheel material: 尼龙、304
工作温度 Operating temperature: -20°C ~ 130°C
工作压力 Working pressure: $\leq 0.5\text{bar}$



圆形压力人孔 Round pressure manhole

DJ-RK-YL type

规格 Size: 102/152/200/250/300/350/450/500/550/600/700/800
密封材质 Seal material: EPDM; FKM; Silicon; HNBR
壳体材质 Shell material: 304/1.4301; 316L/1.4404
手轮材质 Handwheel material: 尼龙Nylon、304
工作温度 Operating temperature: -20°C ~ 130°C
工作压力: 推荐4bar, 最大压力10bar 可根据用户实际需要
Working pressure: Recommended 4 bar, max pressure 10 bar. According to the actual needs of users



方形人孔 Square manhole

DJ-RK-FX-MINI type

规格 Size: 120*180, 185*235, 200*280
密封材质 Seal material: EPDM; FKM; Silicon; HNBR
壳体材质 Shell material: 304/1.4301; 316L/1.4404
手轮材质 Handwheel material: 尼龙Nylon、304
工作温度 Operating temperature: -20°C ~ 130°C
工作压力 Working pressure: $\leq 0.5\text{bar}$



人孔 Manhole

方形人孔 Square manhole

DJ-RK-FX type

规格 Size: 425*335, 535*435
密封材质 Seal material: EPDM; FKM; Silicon; HNBR
壳体材质 Shell material: 304/1.4301; 316L/1.4404
手轮材质 Handwheel material: 尼龙Nylon、304
工作温度 Operating temperature: -20°C~130°C
工作压力 Working pressure: ≤0.5bar



视镜人孔 Sight glass manhole

DJ-RK-SJ type

规格 Size: 102/152/200/250/300/350/450/500/550/600/700/800
密封材质 Seal material: EPDM; FKM; Silicon; HNBR
壳体材质 Shell material: 304/1.4301; 316L/1.4404
手轮材质 Handwheel material: 尼龙Nylon、304
工作温度 Operating temperature: -20°C~130°C
工作压力 Working pressure: 2~5bar



椭圆内开人孔 Oval inside manhole

DJ-RK-TNK type

规格 Size: 435*335, 530*430, 635*525
密封材质 Seal material: EPDM; FKM; Silicon; HNBR
壳体材质 Shell material: 304/1.4301; 316L/1.4404
手轮材质 Handwheel material: 304, 手柄 handle、手轮 hand wheel
工作温度 Operating temperature: -20°C~130°C
工作压力 Working pressure: ≤3bar



椭圆外开人孔 Oval outside manhole

DJ-RK-TWK type

规格 Size: 250*350, 300*400, 330*430, 430*530
 密封材质 Seal material: EPDM; FKM; Silicon; HNBR
 壳体材质 Shell material: 304/1.4301; 316L/1.4404
 手轮材质 Handwheel material: 304, 手柄 handle、手轮 hand wheel
 工作温度 Operating temperature: -20°C~130°C
 工作压力 Working pressure: ≤0.5bar



椭圆锥形外开人孔 Elliptical taper outside manhole

DJ-RK-ZWK type

规格 Size: 480*580, 380*480
 密封材质 Seal material: EPDM; FKM; Silicon; HNBR
 壳体材质 Shell material: 304/1.4301; 316L/1.4404
 手轮材质 Handwheel material: 304, 手柄 handle、手轮 hand wheel
 工作温度 Operating temperature: -20°C~130°C
 工作压力 Working pressure: ≤0.5bar



可配置视镜的人孔 Manhole with sight glass

DJ-RK-TNK type

规格 Size: 102/152/200/250/300/350/450/500/550/600/700/800
 密封材质 Seal material: EPDM; FKM; Silicon; HNBR
 壳体材质 Shell material: 304/1.4301; 316L/1.4404



注意：有关视镜和视镜照明介绍，请查阅视镜照明章节。

About the introduction of sight glass and sight glass with lighting ,please refer to the sight glass Lighting section.

管件/由任 Pipe fittings, Union

管件
Pipe fitting



无菌罐体连接器
Aseptic tank connector



螺纹由任
Thread union



无菌系列由任
Aseptic series union



卡箍由任
Clamp union



无菌由任过滤器
Aseptic union filter



软管接头
Hose coupling



卡箍/螺纹/对焊/接头
Clamp/thread/butt weld/ coupling

管支架
Pipe holder



卡箍系列
Clamp series

工业法兰
Industrial flange



工业管件
Industrial pipe fitting

仪表 Meter



东正选用的仪表产品都具有高洁净的等级且都为国内或国际一线品牌如 SMC、FESTO、P+F、ANDERSON-NEGELE、LABOM、AirTAC 等各种优质的合作伙伴。

The instrument products selected by DONJOY all have high grade of cleanliness and are all domestic or international top brands, such as SMC, FESTO, P+F, ANDERSON-NEGELE, LABOM, AirTAC etc various high-quality partners.

- 变送器：温度、压力、液位、流量、Pt100、等各种变送器
- 开关：隔膜压力表、压力开关、液位开关、温度开关
- 传感器：电感传感器、防爆电感传感器、PNP NPN
- 电磁阀：贴板式、接管式
- 气源附件：气源过滤减压阀
- 防护等级：IP69 IP65
- 防爆等级：可根据用户定义
- 电源：DC 24V AC220V AC110V
- 输出信号：4-20mA, 0-5V, 0-10V
- 材质：316L/304

- Transmitter: Temperature, pressure, liquid level, flow, Pt100 etc
- Switch: diaphragm pressure gauge, pressure switch, liquid level switch, temperature switch
- Sensor: inductive sensor, explosion-proof inductive sensor, PNP NPN
- Solenoid valve: namur-mount, tracheal connection type
- Air source accessories: air source filter pressure reducing valve
- Protection level: IP69 IP65
- Explosion-proof grade: can be defined according to users
- Power supply: DC 24V AC220V AC110V
- Output signal: 4-20mA, 0-5V, 0-10V
- Material: 316L/304

温度变送器系列 Temperature transmitter series



- 材质：304/1.4301, 316L/1.4404
- 探头：长度可根据用户需求定义
- 温度：可根据用户需求定义如150°C
- 模拟量输出：4-20mA, PT100
- 开关量输出：PNP NPN
- 压力：10bar(适用于真空环境)
- 供电：DC 24V
- 防护：IP65/IP69
- Material: 304/1.4301, 316L/1.4404
- Probe: length can be defined according to user needs
- Temperature: can be defined as 150°C according to user requirements
- Analog output: 4-20mA, Pt100
- Switch output: PNP NPN
- Pressure: 10bar (suitable for vacuum environment)
- Power supply: DC 24V
- Protection: IP65/IP69

压力变送器系列 Pressure transmitter series



压力变送器
Pressure transmitter

数字显示-压力变送器
Digital display-pressure transmitter

- 材质: 304/1.4301, 316L/1.4404
- 压力: 0.5.....30bar(根据用户需求)
- 温度: -30°C~150°C
- 模拟量输出: 4-20mA, 0-5V, 0-10V
- 开关量输出: PNP NPN
- 供电: DC 24V
- 防护: IP65/IP69

- Material: 304/1.4301, 316L/1.4404
- Pressure: 0.5.....30bar (according to user requirements)
- Temperature: -30°C~150°C
- Analog output: 4-20mA, 0-5V, 0-10V
- Switch output: PNP NPN
- Power supply: DC 24V
- Protection: IP65/IP69

液位变送器系列 Liquid level transmitter series



液位变送器/液位开关
Liquid level transmitter /Liquid level switch

- 材质: 304/1.4301, 316L/1.4404
- 液位: 根据用户实际需求
- 温度: -30°C~150°C
- 模拟量输出: 4-20mA, 0-5V, 0-10V
- 开关量输出: PNP NPN
- 压力: 10bar(适用于真空环境)
- 供电: DC 24V
- 防护: IP65/IP69
- Material: 304/1.4301, 316L/1.4404
- Liquid level: According to the actual needs of users
- Temperature: -30°C~150°C
- Analog output: 4-20mA, 0-5V, 0-10V
- Switch output: PNP NPN
- Pressure: 10bar (suitable for vacuum environment)
- Power supply: DC 24V
- Protection: IP65/IP69

仪表 Meter

流量变送器系列 Flow transmitter series



- 材质: 304/1.4301, 316L/1.4404
 - 流量: 根据用户定义
 - 温度: $-30^{\circ}\text{C}\sim 150^{\circ}\text{C}$ (根据用户定义)
 - 模拟量输出: 4-20mA, 0-5V, 0-10V
 - 开关量输出: PNP NPN
 - 压力: 10bar(适用于真空环境)
 - 供电: DC 24V
 - 防护: IP65/IP69
 - 防爆: 1. 本案防爆等级 Ex ia II Bt4; 2. 隔爆等级 EXD II BT4
-
- Material: 304/1.4301, 316L/1.4404
 - Flow: According to user definition
 - Temperature: $-30^{\circ}\text{C}\sim 150^{\circ}\text{C}$ (according to user definition)
 - Analog output: 4-20mA, 0-5V, 0-10V
 - Switch output: PNP NPN
 - Pressure: 10bar (suitable for vacuum environment)
 - Power supply: DC 24V
 - Protection: IP65/IP69
 - Explosion-proof: 1. Current explosion-proof grade Ex ia II BT4. 2. EXD II BT4

传感器系列 Sensor series



音叉物位传感器
Tuning fork level sensor

防爆电感传感器
Explosion-proof inductive sensor

电感传感器
Inductive sensor

航插电感传感器
Aviation plug inductance sensor

音叉物位传感器 Tuning fork level sensor

- 环境温度: 80°C
 - 模拟量输出: 4-20mA, 0-5V, 0-10V
 - 开关量输出: PNP NPN
 - 供电: DC 24V AC220V/110V
 - 防护: IP65/IP69
-
- Environmental temperature: 80°C
 - Analog output: 4-20mA, 0-5V, 0-10V
 - Switch output: PNP NPN
 - Power supply: DC 24V AC220V/110V
 - Protection: IP65/IP69

震动器系列 Vibrator series



- 供电：单相 AC 220V 110V，三相 AC380V
- 噪音：噪音低于40分贝
- Power supply: single-phase AC 220V 110V, three-phase AC380V
- Noise: The noise is less than 40 decibels



- 气源压力：1bar~7bar
- 噪音：随着压力变化噪音会增加
- Air source pressure: 1bar~7bar
- Noise: As the pressure changes, the noise will increase

气源控制系列 Air source control series



- 电磁阀
- 供电：DC 24V； AC 220V 110V
- 压力：≤8bar
- 防护：IP65/IP69
- 防爆：1. 本案防爆等级Ex ia II Bt4； 2. 隔爆等级 EXD II BT4

- Solenoid valve
- Power supply: DC 24V; AC 220V 110V
- Pressure: ≤8bar
- Protection: IP65/IP69
- Explosion-proof: 1.Current explosion-proof grade Ex ia II BT4. 2.EXD II BT4



DONJOY looking forward to your visit! Your telecommunications!



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