



DONJOY

TECHNOLOGY

CO., LTD.

- 高洁净过程控制阀
High purity process control valves
- 生物制药隔膜阀
Biopharmaceutical control valve
- 自控调节阀
Automatic control valve
- 高洁净泵
Sanitary pumps
- 高洁净管件
Sanitary fittings

Donjoy committing to major technological advances, is your reliable business partner!

DONJOY high-purity valve, pump, control system, pipe and accessories, provide the most excellent solution for various business scopes.



Biopharmaceutical

Dairy



Food



Beverage



Water Processing



Brewing



Fine Chemical

领先源于创新 创新源于专业 东正的专业与品质的邂逅源于创新的精神



现代化工厂已经投产，期待您的光临！
温州空港经济园区生产基地
Wenzhou airport economic zone production base

占地面积29000m²，总投资1.2亿元，新引进工业机器人、5轴加工中心、机器人抛光设备。

Covering an area of 29000 m², with total investment after construction is expected to 120 million yuan, introduces new industrial robot, five axis machining center, machine Polishing equipment.

东正创立于1993年，注册资金5508万，是一家专注于研发高品质PID过程控制器、阀门定位器、流量控制器，阀门控制单元，高洁净过程控制阀、智能自控阀，高洁净泵、高洁净管材和管道配件。公司高度专业化的产品和技术专注于生物制药、食品饮料、酿酒、精细化工等工业领域。东正众多的创新解决方案，对满足全球，尤其是新兴市场不断增长生物制药和食品饮料行业的需求起到了积极作用。

东正制造的产品母材料、加工技术、焊接技术、表面处理等技术指标均已达到国内外先进水平。且符合ASME BPE、EHEDG、FDA、3A等一系列国际标准和规范要求。先后通过了由德国TÜV机构实施的欧盟承压设备指令(PED-97/23/EC)和(MD-06/42/EC)认证、美国3A机构实施的3-A卫生标准认证、中国安全阀特种制造设备(TS)许可证和中国质量认证中心CQC ISO9001:2008质量管理体系认证等多项国际权威认证。

东正凭借先进的技术、优异的品质和完善的售后服务体系，先后被评定为国家高新技术企业，省著名商标、省科技型企业、创新型企业、专利示范企业、研发中心企业，守合同重信用AAA企业等众多荣誉。

制造与检验

Manufacturing and testing



机器人生产线 Robot production line

DONJOY以科学技术是第一生产力，
也是企业核心竞争力，只有不断投入核心技术研发和创新，
不断追求卓越，精益求精、以先进生产设备，
严格的质量管理体系，精密的生产检測流程，
保证每一款产品优良的性能。

全自动弯管设备 Automatic pipe bending equipment

Science and technology constitute a primary productive force, also the core competitive strength of the enterprise. Continuously intensifying the research, development and innovation of core technology, pursuing prominence and keeping improving, ensuring the excellent quality and performance of every single product by advanced production equipment, strict quality control and precise production and inspection procedures.

荣誉和认证

Honor and certification

	<p>3A 美国3-A认证，已经涵盖9大系列产品</p> <p>DONJOY is a member of American 3A organization, 3A is a voluntary organization, which devotes to maintain public health and dairy products. Donjoy products pass the certification of 3A which is hygienic standard used on dairy products by special regulatory process equipment. Donjoy products passed 3A certification are as follows: valves 55-02-1783, 64-00-1784, 84-02-1786, 85-03-1787, 53-06-1782, 54-02-1580, 68-00-1785; pipe fittings (63-03) certificate no. (1581) etc</p>
	<p>PED/97/23/EC & MD/06/42EC 欧盟CE，阀门类、离心泵(自吸泵)、转子泵</p> <p>DONJOY through the European Community CE certification products: Valve type NO.PED / 97/23 / EC CE 0036 Rotor pump NO.MD / 06/42 / EC CE 705201402401-00 Centrifugal pump NO.MD / 06/42 / EC CE 705201616101-00</p>
	<p>FDA177.2600 美国FDA认证: 橡胶制品&PTFE制品</p> <p>DONJOY valves, pumps, fluid equipment and seal conforms to CRF 21 FDA177.2600 and FDA177.1550 which covers EPDM VITON(FPM) SILICON HNBRPTFE etc</p>
	<p>ISO9001/2008</p> <p>DONJOY got audited by CQC, ISO9001-2008/GB/T19001-2008. The certificate no is 00108Q24215R1M/3302</p>
	<p>Hygienic license 中国卫生许可批件</p> <p>DONJOY passed sanitary valve test and sanitary fitting test organized by Zhejiang health department and got certificates which no is S0083. The license is drinking water hygiene supervision management certificate authorized by the country.</p>
	<p>High-tech enterprises 国家高新技术企业</p> <p>DONJOY gained many invention patent and 100 items of new patent through many years development and innovation. Now, DONJOY is a high-tech enterprise.</p>
	<p>Zhejiang famous trademark 浙江省著名商标</p> <p>DONJOY obtained Wenzhou famous trademark in 2009 and Zhejiang famous trademark in 2012.</p>

DONJOY not only owns above mentioned certificates and honor, but also rated as technological enterprise, innovation enterprise, patent model enterprise, R&D center, contract honor and trustworthy enterprise and etc.

材质和连接标准

Material and Connecting standard

材质有多种选项 Material selection

- ◆ 1.4435-BN2 (316L) Fe < 0.5% Forged
- ◆ ASME BPE 316L
- ◆ ASTM 304, 1.4301
- ◆ ASTM 316L 1.4404

不锈钢化学成分规范
Chemical composition for automatic weld ends, %

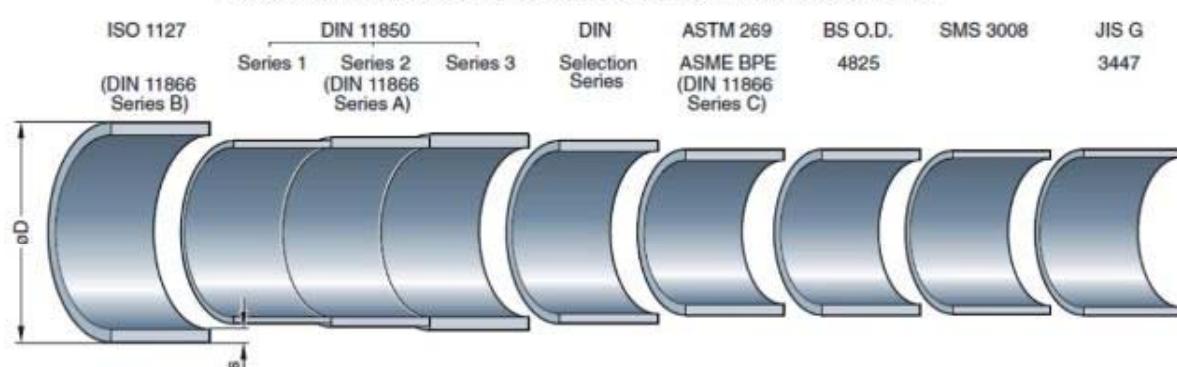
根据ASDME BPE Table DT-3		EN 10088-3 1.4435 NB2 Fe≤0.5%	
Carbon, max.	0.035	Carbon, max.	<0.03
chromium	16.00–18.00	chromium	16.00–18.00
manganese, max.	2.00	manganese, max.	2.00
molybdenum	2.00–3.00	molybdenum	2.5–3.0
nickel	10.00–15.00	nickel	12.5–14.0
phosphorus, max.	0.045	phosphorus, max.	0.045
silicon, max.	1.00	silicon, max.	1.00
sulfur	0.005–0.017	sulfur	≤0.030
		nitrogen	<0.11

管道接口标准 Pipeline connection standard

下表格：以DN25为例的不同国际标准卫生级不锈钢管道直径的区别

Next form: Take DN25 for example to illustrate the stainless steel pipe OD difference in different International standard health grade

Tube End Standards:
The following chart of international standards of pipe diameters identifies the different diameters comparing the example of a nominal diameter of DN 25.



表面处理

Surface treatment

表面处理 Surface treatment

对高洁净的工艺管路系统来说，表面的粗糙度是极其重要的技术指标
For high clean process piping system, roughness of surface is an extremely important technique index



Surface finish: machined,
Ra 1.2 μm



Surface finish: machined,
Ra 0.8 μm



Surface finish: fine-machined,
and grinded, Ra 0.4 μm



Surface finish: fine-machined,
and grinded, Ra 0.2 μm



表面抛光 Surface polishing

Ra=粗糙度

平均粗糙度Ra值被作为衡量一个内表面光洁度的一个参数。

L5.6mm 长度/测量Lc0.8mm进行5次测量粗糙度得出的平均值粗糙度Ra值。

根据ASME BPE和DIN 11866。

Ra = roughness

Average roughness Ra data is used as a measure of valve body surface finish of a parameter.

L5.6 mm length/measurement Lc0.8 mm for five measuring roughness obtained average roughness Ra data.

According ASME BPE table to classified

Definition of the codes for Ra-Values

Allocation to the standard DIN 11866

Ra μm	DIN 11866	α
	Hygiene class	E-polished
0.8		
0.8	HE3c	●
0.6		
0.6		●
0.4		
0.4	HE4c	●
0.25		
0.25	HE5c	●

Table SF-2.4-1 R, Readings for Metallic Product Contact Surfaces

Surface Designation	Mechanically Polished [Note (1)]	
	$\mu\text{in.}$	μm
SF0	No finish requirement	No finish requirement
SF1	20	0.51
SF2	25	0.64
SF3	30	0.76

	Mechanically Polished [Note (1)] and electropolished	
	$\mu\text{in.}$	μm
SF4	15	0.38
SF5	20	0.51
SF6	25	0.64

Combination of profession and quality Innovator of valve and pump

东正的企业宗旨：为用户提供稳定可靠的产品和卓越的服务

企业的成功源于创新设计

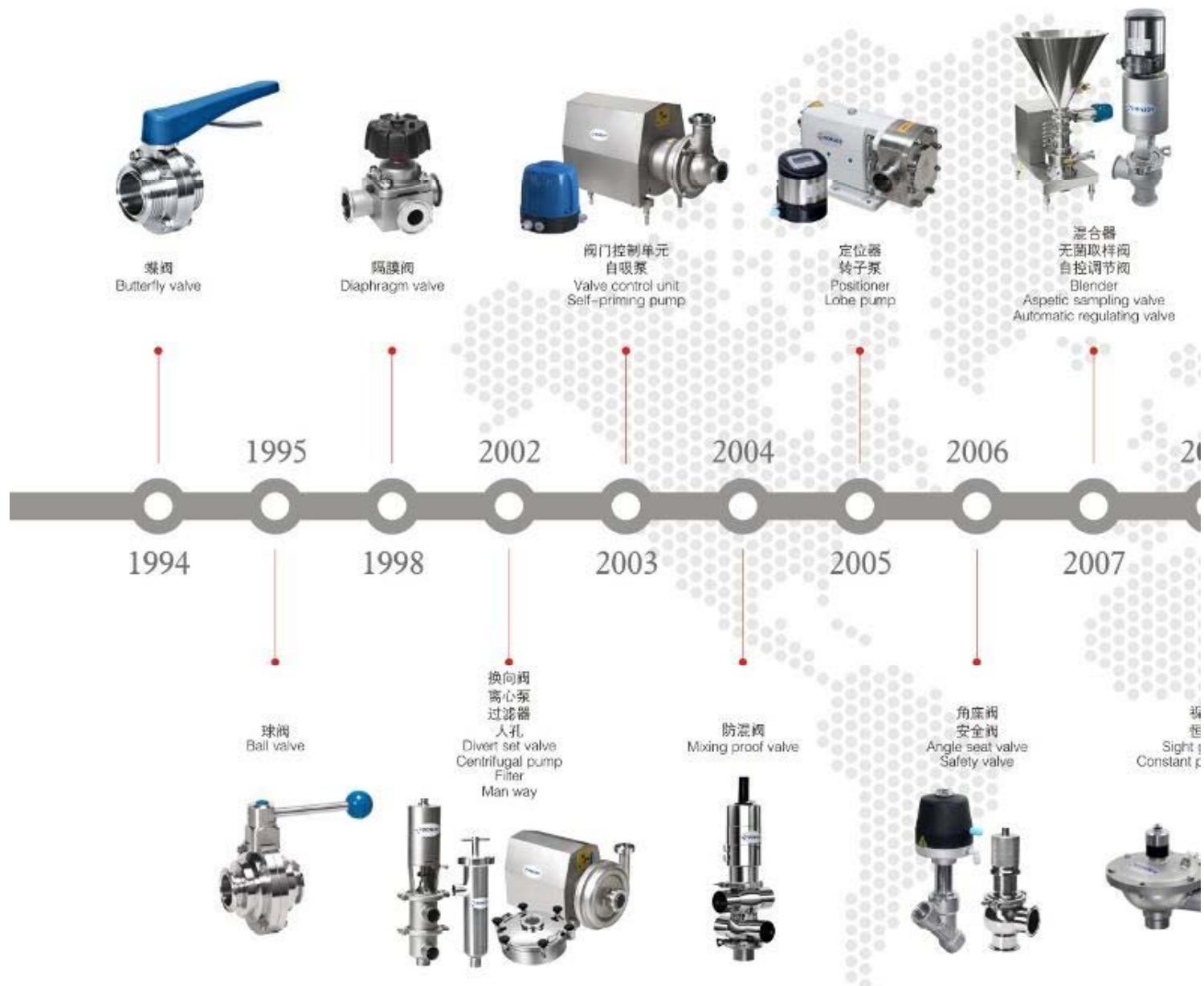
东正的成功基于公司创始人创新精神，在1994年成功开发出了国内第一只高洁净蝶阀，这只蝶阀是东正公司的起始点。

控制系统研发成就完美产品

东正一直走在时代前沿，把不断革新的技术、日新月异的市场发展和客户需求作为自身最大的挑战。

东正有自己独特的思维，洞察行业的发展，致力于产品在新经济领域的开发应用。

未来我们将一如既往的坚持技术创新、走向新的成功。



DONJOY motto: supply reliable products and excellent service

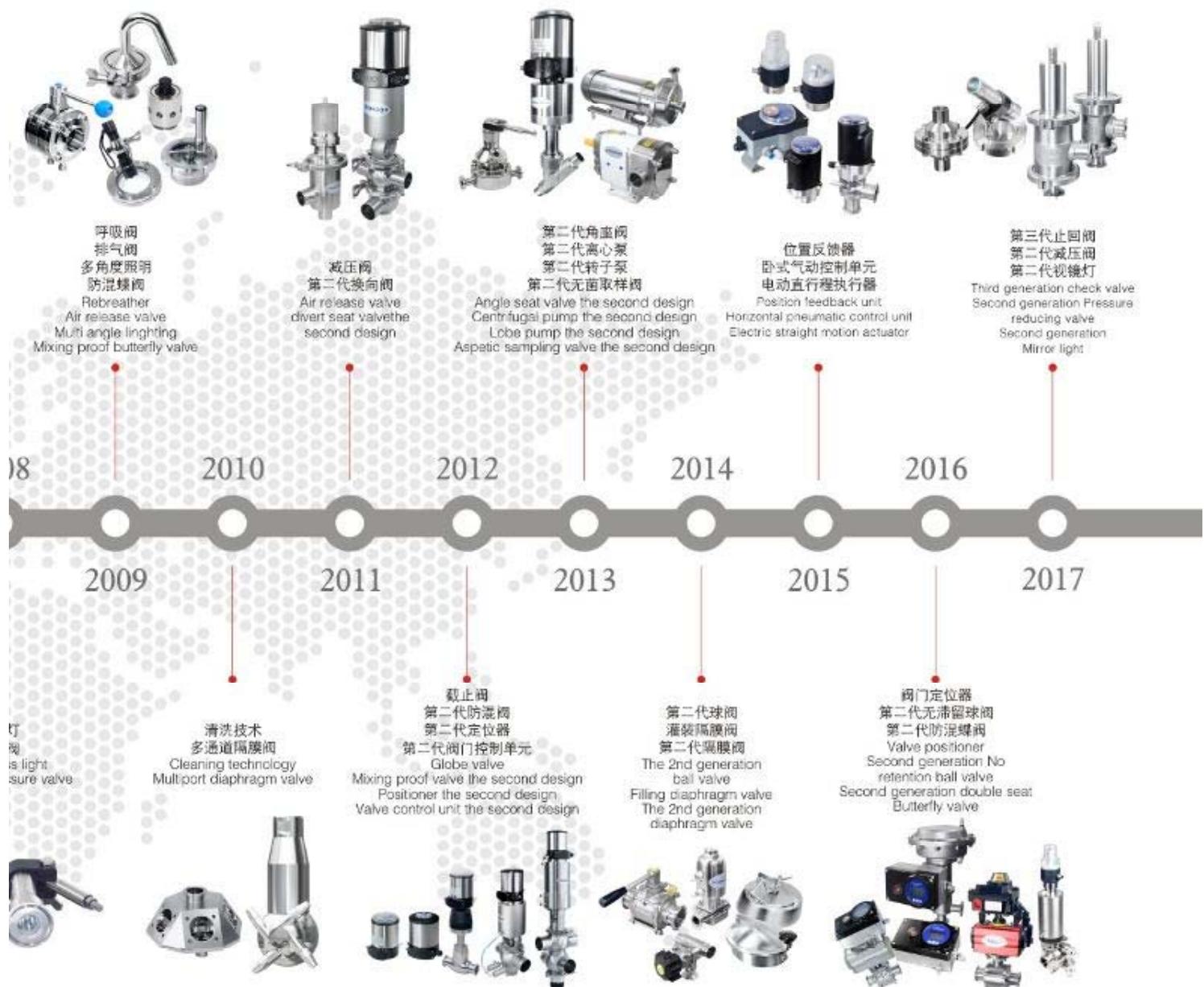
Enterprise success comes from innovation

DONJOY success is based on the founder's creative spirit who invent the first high purity butterfly valve in China. The butterfly valve is the start point of DONJOY.

Control system makes a perfect product

DONJOY is at the forefront to regard innovative technology, changing market development and customer demand as the biggest challenge. DONJOY has its unique conception that it observes the development of business scopes and devotes to applying products in new economic area.

In the future, DONJOY will keep innovating and getting further success.



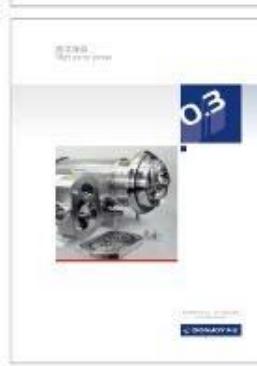
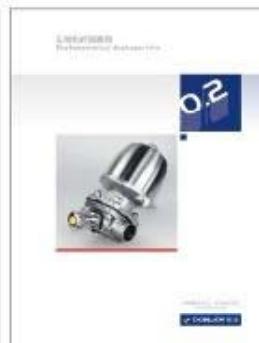
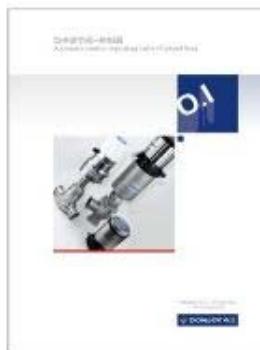
Innovative system for solution creates more valve

DONJOY valves, pumps, pipe fittings and control systems are applied to many process and related area.

DONJOY systematic solution plan covers whole process from independent module to the whole system.
DONJOY supplies professional solution plan for specialized sales team in different business scopes.

东正拥有众多产品技术从调节阀、过程自控阀、
生物制药隔膜阀、高洁净转子泵、离心泵、自吸泵、
混合器，高洁净管件、无菌连接器等。

Donjoy is equipped with many product technology from regulating valve, process control valve, bio-pharmaceutical diaphragm valve, high purity lobe pump, centrifugal pump, CIP pump, mixing pump, high purity fittings and aseptic connector etc.



球阀
Ball valve

截止换向阀
+防混阀+罐底阀
Divert seat valve
+Mixing proof valve
+Tank bottom valve



过滤器+人孔
Filter + man hole cover
(manway)

过滤器人孔
Filter man hole cover



0.5



DONJOY

0.6



DONJOY

0.7



DONJOY

角座阀+截止阀
Angle seat valve
+Globe valve

清洁技术+取样阀+视镜
+照明技术
Clean technology
+sample valve
+sight glass
+lighting technology



0.8



DONJOY

卫生管件
Sanitary fittings
ASME BPE DIN11852
Bs4825
SMS ISO IDF 3A

卫生管件
Sanitary fittings



DONJOY

止回阀+恒压阀
+安全阀+减压阀
Check valve
+constant pressure valve
+safety valve
+air release valve





Automatic control regulating valve+Control head

总线版本

Bus protocol:
AS-Interface
Modbus Over Rs485



控制单元C-TOP Control unit

- ▲ C-TOP
- ▲ MINI-C-TOP
- ▲ Displacement version:
self-tuning valve function, 4–20mA output,
DC24V output

- ▲ Mechanical adjustment edition:
induction block and corresponding
sensor switch, DC24V output
- ▲ Bus protocol: AS-I BUS
- ▲ Power: DC24V / AC220V / 110V

阀门定位器

Valve Positioner
PID process controller

- ▲ ILTOP: IP67 protection
- ▲ IL-TOP-S: Explosion levels EX DII B14
- ▲ Analog signal input: 0 / 4–20mA, 0–5 / 10V
- ▲ Analog signal output: 0 / 4–20mA, 0–5 / 10V
- ▲ Bus protocol: DEVICE NET BUS
Modbus OVER Rs485
PROFIBUS(D Development)
- ▲ Power: DC24V





迷你C-TOP, 应用到各种气动阀门
Mini-type C-TOP

C-TOP, 应用到各种阀门
C-TOP-1421/1721



卧式气动定位器, 安装到各种气动阀门
Valve positioner IL-TOP-S

卧式定位器组合到薄膜气动阀门
Horizontal pneumatic actuator



阀门定位器, 组合到各种气动阀门 IL-TOP control valve (various structure regulator)



Automatic control regulating valve+Control head

位置反馈器-ITS-100

防爆位置反馈器-APLS-500

无源信号(标准)

有源信号(选型)

Position feedback unit

Anti-explosion position feedback unit

Passive signal (standard)

Active signal (option)

位置反馈器-F-TOP-1553 Position feedback unit

▲输出: PNP DC 24V & 模拟信号4~20mA

▲自适应整定功能

▲防泄漏警告功能

▲LED灯显示

▲供电: DC 24V

▲Output: PNP DC 24V & analog signal 4~20mA

▲Auto adjusting function

▲Leakproof warning function

▲LED display

▲Power: DC 24V



位置反馈器
ITS-100
Position feedback unit



阀门控制单元-C-TOP-1561
位置反馈器-F-TOP-S-1671
Valve control unit
Position feedback unit

控制单元-1561
Control unit

▲输入: PNP DC 24V

▲输出: PNP DC 24V & 模拟信号4~20mA

▲自适应整定功能

▲防泄漏警告功能

▲LED灯显示

▲内置电磁阀, 适用单作用和双作用

▲供电: DC 24V

▲Input: PNP DC 24V

▲Output: PNP DC 24V & analog signal 4~20mA

▲Auto adjusting function

▲Leakproof warning function

▲LED display

▲Built-in solenoid valve, suitable for

single acting and double acting

▲Power: DC 24V

位置反馈器-FOP-S-1671
Position feedback unit

▲输出: PNP DC 24V & 模拟信号4~20mA

▲自适应整定功能

▲防泄漏警告功能

▲LED灯显示

▲电磁阀配置

▲供电: DC 24V

▲Output: PNP DC 24V & analog signal 4~20mA

▲Auto adjusting function

▲Leakproof warning function

▲LED display

▲Solenoid valve configuration

▲Power: DC 24V

注意: 如需详细资料和图纸等技术参数, 请联系我们! 或请登录: WWW.CNDONJOY.COM 下载
Note: if need more detailed technical parameters and relevant drawings, please contact with DONJOY, or download on our website: www.cndonjoy.com.

DONJOY Innovative Design
Patent Protection



位置反馈器-ITS-100 & APLS-500, 安装到各种气动阀门
Position feedback unit-ITS-100 & APLS-500, Be installed to each pneumatic valve



阀门控制单元C-TOP-1561 & 位置反馈器-FOP-1671, 安装到各种气动阀门
Valve control unit-C-TOP-1561 & Position feedback unit-FOP-1671, Be installed to each pneumatic valve



位置反馈器-FOP-1671, 安装到各种气动阀门
Position feedback unit-FOP-1671, Be installed to each pneumatic valve



Biopharmaceutical diaphragm valve

多通道隔膜阀
Multi-port diaphragm valve

Multiport diaphragm valve is made of a whole piece of stainless steel, at least processed into Three channel, most can be processed 35 channel and add 20 actuator valve, if Processed into quantity more channels, mainly depends on the feasibility of the valve processing. In health brought Domain, multiport diaphragm valve selection and standard is very important, the reason is that many channel Valve in optimizing health process of high purity and improve the production efficiency has a lot of Advantage.



多通道隔膜阀
Multi-port diaphragm valve



多通道隔膜阀
Multi-port diaphragm valve



注意：如需详细资料和图纸等技术参数，请联系我们！或请登录：WWW.CNDONJOY.COM 下载
Note: If need more detailed technical parameters and relevant drawings, please contact with DONJOY, or download on our website: www.cndonjoy.com.



DONJOY Diaphragm Valve

- ▲ Structure: Manual, pneumatic, electronic, direct way diaphragm valve, tee diaphragm valve, multiport diaphragm valve and tank bottom diaphragm valve
- ▲ Size: 1/2"-4", DN10-DN100, OD Ø 12.7 - Ø 101.6
- ▲ Material: ASME BPE 316L, 1.4404, 1.4435, NB2 Fe < 0.5%
- ▲ Pressure: 10bar
- ▲ Temperature: PTFE-EPDM -30 degree to 150 degree, EPDM -30 degree to 130 degree
- ▲ Connection: Clamp, thread, weld, flange etc.



隔膜阀
Diaphragm valve



隔膜阀+控制单元
Diaphragm valve + control unit



隔膜阀+定位器
Diaphragm valve + positioner



电动隔膜阀
Electric diaphragm valve



隔膜罐底阀
Diaphragm tank bottom valve



三通隔膜阀
Tee diaphragm valve



迷你型隔膜阀
Mini-type diaphragm valve



径向隔膜阀
Radial diaphragm valve

多通道组合径向隔膜阀
Multi-port combination radial diaphragm valve



High purity pumps

DONJOY Innovative Design
Patent Protection



转子泵-TUL/TUR-系列
Hygienic lobe pump(rotor pump)



全不锈钢离心泵S-KS系列
Stainless steel high
purity centrifugal pump(S-KS series)



离心泵-KS系列
Centrifugal pump (KS series)



离心泵-BS系列
Centrifugal pump (BS series)



自吸泵 CIP+系列
Self-priming pump(CIP+)



自吸泵 CIP系列
Self-priming pump(CIP pump)



混合器(混合泵)-HHQ系列
Blender(mixing pump)

注意：如需详细资料和图纸等技术参数，请联系我们！或请登录：WWW.CNDONJOY.COM 下载
Note: if need more detailed technical parameters and relevant drawings, please contact with DONJOY, or download on our website: www.cndonjoy.com.



DONJOY
numerous high purity pumps

- ▲ LOBE PUMPS TUL
- ▲ LOBE PUMPS TUR
- ▲ Self-priming pump
- ▲ KS centrifugal pump
- ▲ S-KS centrifugal pump
- ▲ Blender/Mixing pump)

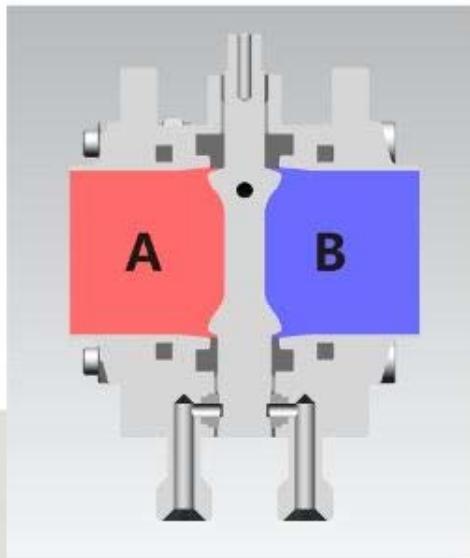




Mixing proof butterfly valve + Butterfly valve

DONJOY Butterfly Valve

- ▲ Structure: Manual, pneumatic, electronic, double seat butterfly valve, basic butterfly valve
- ▲ Size: 1/2"-12", DN10-DN300
- ▲ Material: 304(1.4301) 316L(1.4404)
- ▲ Temperature: -30 degree to 180 degree
- ▲ Pressure: Max 10 bar
- ▲ Connection: Clamp, thread, weld, flange etc
- ▲ Standard: DIN SMS ISO IDF RJT DS BS4825



防混蝶阀-A型
Mixproof butterfly valve-A style



防混蝶阀-B型
Mixproof butterfly valve-B style

注意：如需详细资料和图纸等技术参数，请联系我们！或请登录：WWW.CNDONJOY.COM 下载
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