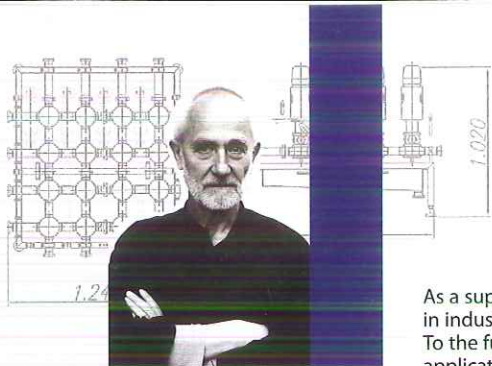


## DONJOY Pump Valve Pipe-Fitting





As a supplier offers systematic and comprehensive solutions, Donjoy actives in industrial of dairy products, food, beer, beverage, pharmaceutical, cosmetic and so on. To the full range of products and services, long-term continuous improvement and application in various industries. Donjoy has very rich experience



Donjoy, established in 1993, is specialized in producing high quality sanitary valve, sanitary pump, stainless steel fitting and fluid facility. Donjoy is known in this industrial for high quality, the products are widely applied to the industries of dairy, food, beer, beverage, pharmacy, cosmetic and so on. It is one of the most powerful manufacturers of sanitary fluid equipments in China.

Donjoy's production line has the most advanced LG MAZAK CNC processing center, CNC turning machining center and various of automatic production equipments, inspection equipments includes: Innov-X X-Ray Fluorescence Metal Analyzers, Infrared rays C&S analyzers, Internal surface detector, Mitotuyo roughness

Analyzer, Automatic Valve leak testing machine, Automatic pump performance tester and other advanced inspection equipments. Donjoy gets approval of ISO9001 quality management system, PED/97/23/EC, 3A, national sanitation License, Donjoy is awarded of chairman unit, appraised as contract-honoring & faith-keeping enterprise, Province Technological Enterprises, 12 National Patent Technologies, which further established Donjoy's leading position in the valve industry.

Donjoy's valve series includes manual /pneumatic / electric operated butterfly valve, ball valve, diaphragm valve, stop reversing valve, adjusting valve, safety valve, mixproof valve and special valve.

Pump series includes open impeller centrifugal pump, close impeller centrifugal pump, CIP pump, self-priming pump, lobe pump(rotor pump), mixing pump(blender) and special pump. Tank fluid facility includes manhole cover, cleaning ball, sanitary rebreather, liquid indicator, sight glass, filter, sample valve. Pipe fitting series includes union, tri-clamp union, welded /clamped/threaded elbow, tee, reducer and kinds of pipeline connectors. All the products can be made according to different finish, material and standards, such as DIN, SMS, IDF, ISO, BS, DS, 3A, RJT, BPE, etc. All the products are in compliance with GMP(China), FDA(America), 3A(America), FED/97/23/EC(Europe) and so on. The products achieve approbation and approval in Europe, American and many other countries.

With advanced design, advanced technology, innovative ideas, Donjoy gives you the best solutions and quality assurance. We set up enterprise's brand image to creates the high-quality goods in valve profession.

15 years of Donjoy  
Tradition in trend



## ■ C-TOP Control Head

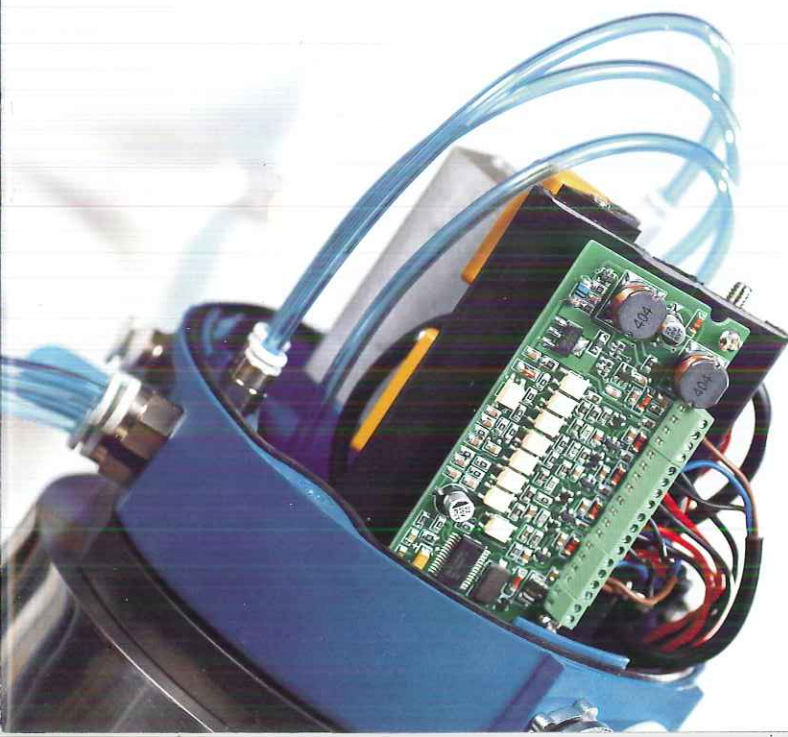
C-TOP Control Head is control head of actuator which with solenoid valve, sensor, PCB. This control head divides into two connection ways: The electronic connection and AS-I main line connection, available to install on all vertical actuators, such as pneumatic butterfly valve, pneumatic reversing valve, pneumatic tank bottom seat valve, pneumatic mixing proof valve and other valves with pneumatic actuator.

02/03



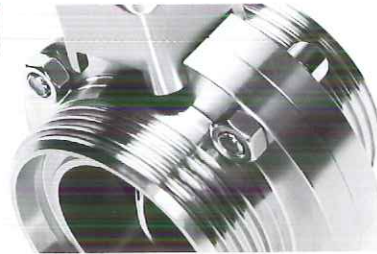
➤ C-TOP AS-I main line connection

➤ C-TOP Electric Connection



## Sanitary Butterfly Valve

Sanitary butterfly valve is with different style handles such as plastic multi-position handle, stainless steel multi-position handle and pull handle etc. Pneumatic butterfly valve can be installed position sensor and C-TOP control head, it is also available with single effect or double effect actuator. Electrical butterfly valve can choose different control way such as 4-20Ma intelligent control, on-off type, passive contact type, and opening signal type.



➤ Pneumatic Clamp Butterfly Valve



➤ Pneumatic Weld Butterfly Valve



➤ Electric Thread Butterfly Valve



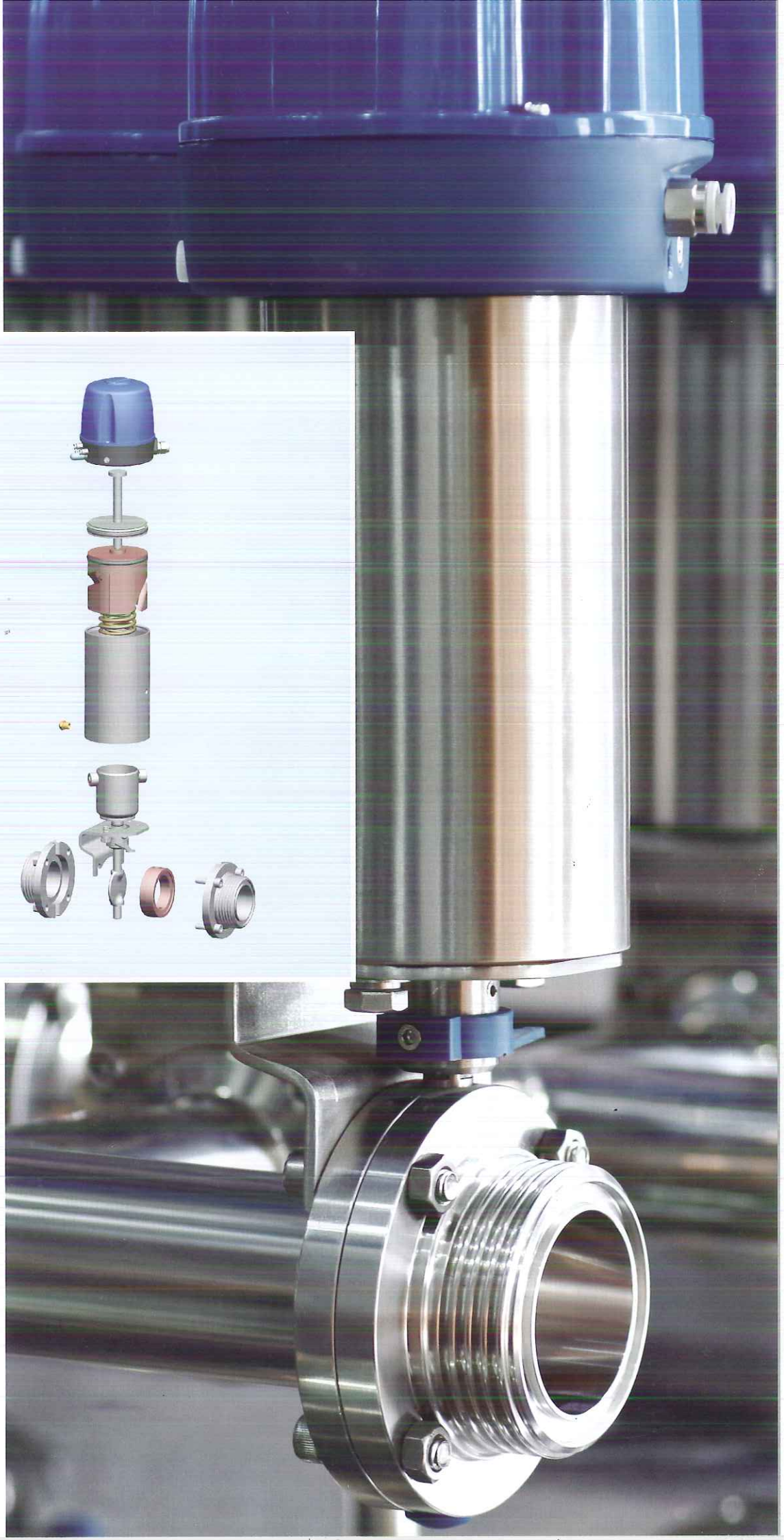
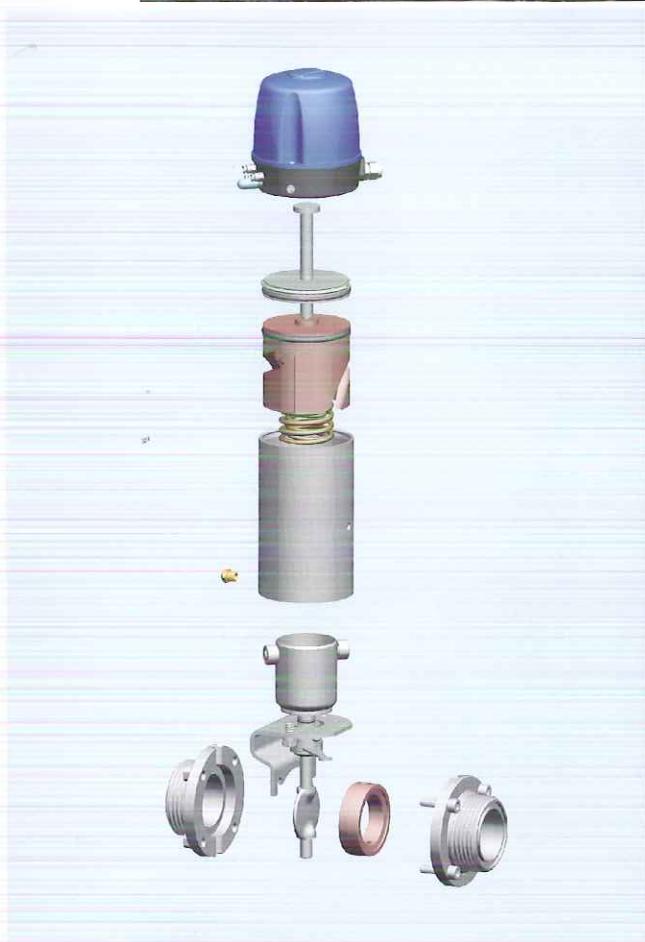
➤ Pneumatic Flange Butterfly Valve

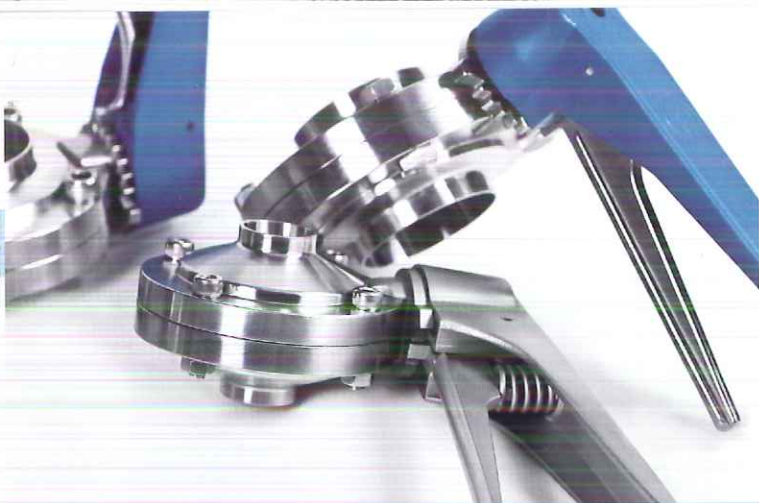


➤ Pneumatic Thread Butterfly Valve With C-Top









## Sanitary Butterfly Valve

Horizontal pneumatic butterfly valve is available with feedback device, solenoid valve and position sensor. Position sensor has mechanical and intelligent type. The above two sensors are available with signal feedback device, 4-20mA control and single or double effect actuator.



➤ Thread/Nut Butterfly Valve



➤ Three-way butterfly valve



➤ Pneumatic Butterfly Valve With locator controller

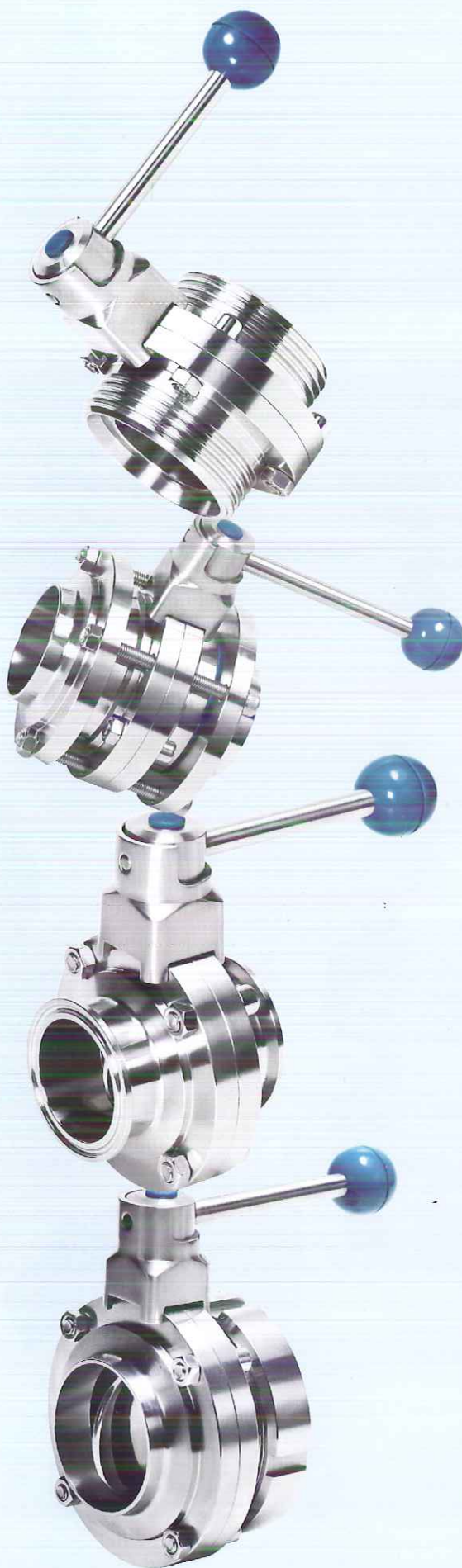
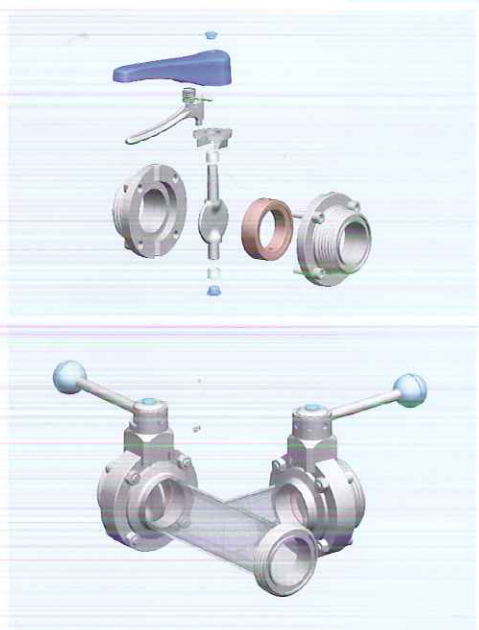


➤ Manual Butterfly Valve with 08 style multi-position Handle



➤ Manual Butterfly Valve with SS multi-position Handle





- Thread Butterfly Valve
- 3-pcs Butterfly Valve
- Clamp Butterfly Valve
- Weld/Union Butterfly Valve

## Diaphragm Valve

This actuator select industrial fiber plastic, with feature of easily maintain, good resistant to corrosion, lighter heavy etc, also settle passed because thinner pipe line and thicker actuator lead to bigger shake. This actuator can install through 4-20mA signal exactly achieve switching value of valve. It also can install feedback device. This actuator can be installed on different size and connect type of diaphragm valve.



➤ Clamp three-way Diaphragm Valve



➤ Pneumatic Clamp Diaphragm Valve



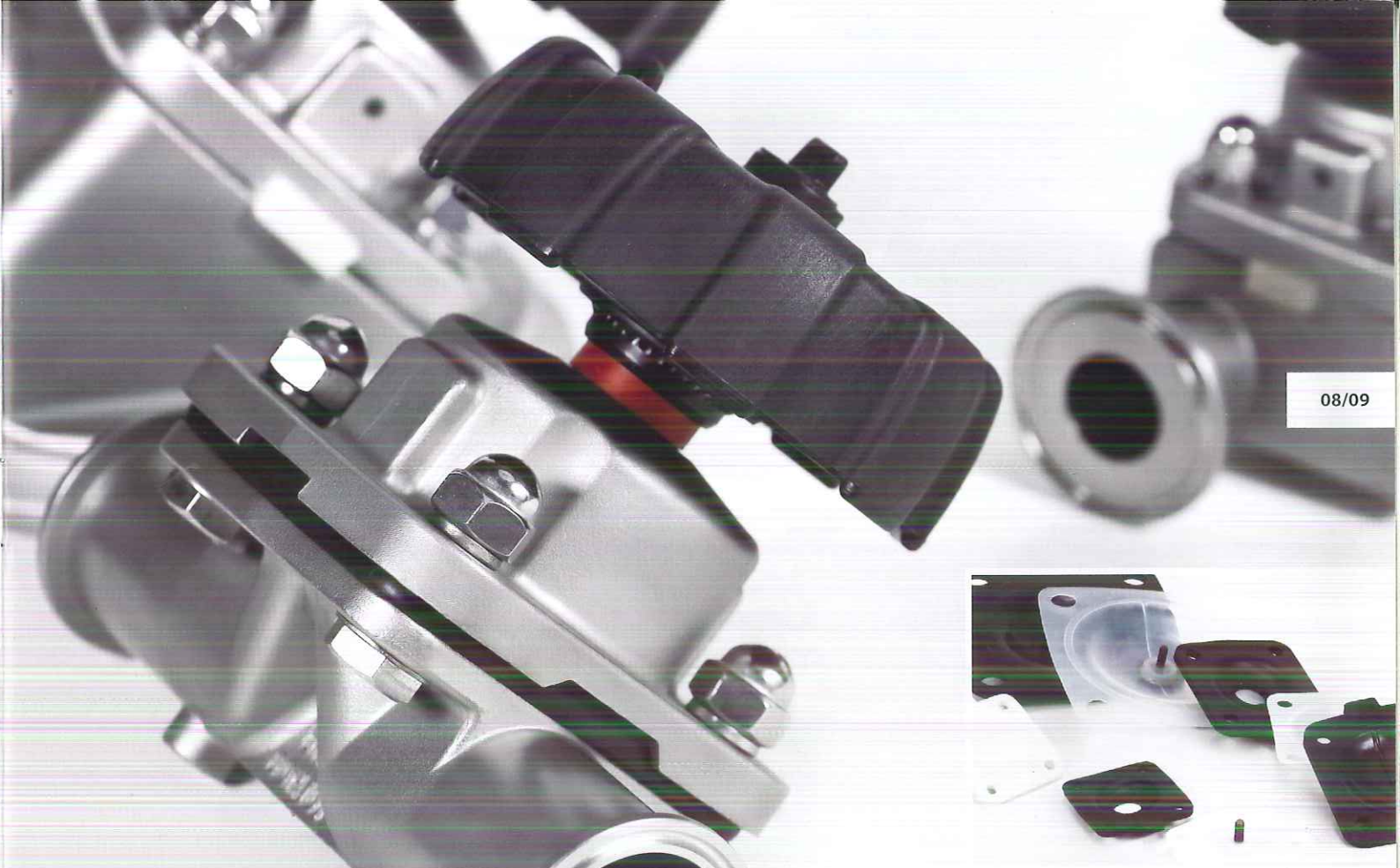
➤ Clamp two-way Diaphragm Valve



➤ Tank Bottom Diaphragm Valve







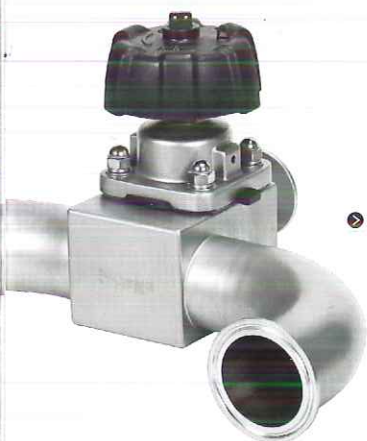
➤ Pneumatic Clamp  
Mini-type Diaphragm Valve



➤ Clamp Mini-type  
Diaphragm Valve



➤ Clamp three-way Mini-type  
Diaphragm Valve



➤ U type Clamp  
diaphragm valve



➤ Clamp/Weld Mini-type  
Diaphragm Valve



## Reversing valve

A Reversing valve may connect the multi-strip pipeline, may satisfy the pipeline and the parallel multi-strip pipeline material's reversing and stop function. This valve can have different selection like 20、30、21、31、22、32 etc. Available with position sensor, C-TOP Control Head and the intelligent locator and others may connect to system of the long-distance automated control. 3A Standard design, gaskets comply with FDA177.2600. Reversing valve can be widely used in food process、beer、beverage、pharmacy etc industry field.



➤ Pneumatic Reversing Valve (Angle Type)



➤ Pneumatic Reversing Valve with C-TOP



➤ Manually reversing valve



➤ Pneumatic Reversing Valve (Angle Type)

➤ Reversing valve manifold





## ■ Mix proof valve(Double seat valve)

Mix proof valve has two kinds of patterns: Mix proof seat lift and mix proof cavity spray. The seat lift mix proof valve uses CIP cleaning to clean leaking pipe area by lifting seat Cavity spray mix proof valve through exterior to introduce CIP cleaning fluid spraying leaking pipe area to achieve the cleaning effect. This valve has designed the overpressure protection, and prevents the hydraulic pressure the vibration to 30 bars.

Size: 1.5" to 4", DN40 to DN100

Material: ASTM T304 (1.4301), T316L (1.4404)



➤ Mix-proof Valve  
( Double Seat Valve)  
seat lift type



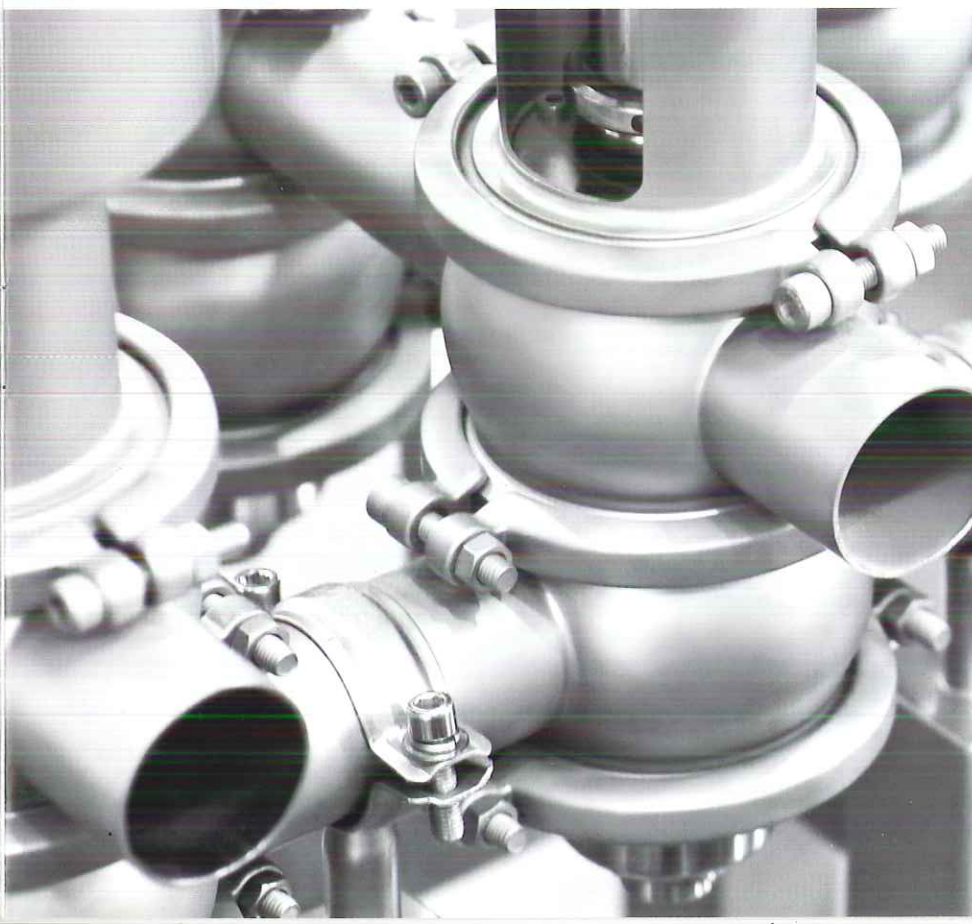
➤ Mix-proof Valve  
( Double Seat Valve)  
Cavity Spray type



➤ Mix proof valve  
(Double seat valve)

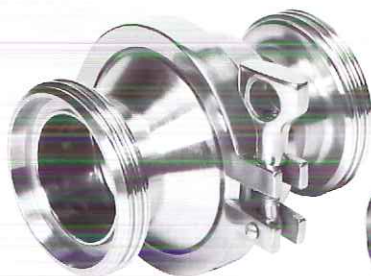
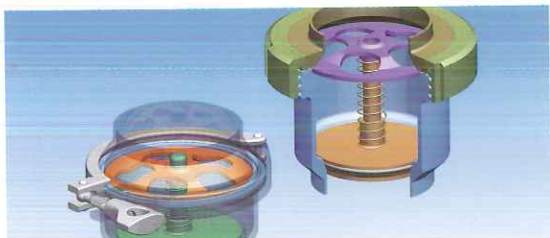


➤ Mix-proof Valve  
Manifod



## Check Valve

Check Valve can be installed vertical or horizontal, is applied on the vacuum and the instantaneous impulse strong management equipment, can be opened by 0.5Bar pressure, the open pressure can be set according to different condition. Connection way: clamp, weld, thread and flange etc. It adopts 3A Standard design, gaskets comply with FDA177.2600. Check valve is widely used in dairy, winery, pharmacy, beverage, dairy etc.  
Size: 0.5"(DN10) to 8"(DN200)  
Material: ASTM T304 (1.4301), T316L (1.4404)



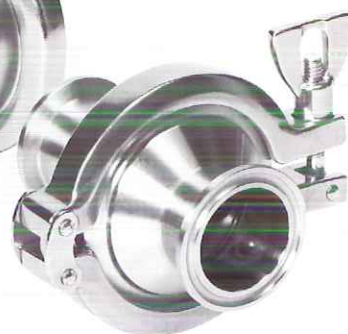
➤ Thread Check Valve



➤ Union-type Check Valve



➤ Weld Check Valve



➤ Clamp Check Valve

## Tank bottom valve(discharge valve)

Tank bottom valve is used for emptying material from container. The material will not remain in the valve chamber. With design characteristics to open the valve seat inside the container, so that avoid valve unexpected open caused by excessive pressure of pipeline. Tank bottom valve has 45 degrees and 90 degree two designs, operated by manual or pneumatic, with connection way of clamp and flange, Size: 1.5"-4", DN40-DN100  
Material: 304/316L.



➤ Manual tank bottom valve



➤ Manual tank bottom valve



➤ Tank bottom valve with C-TOP



➤ Pneumatic tank bottom valve



➤ Pneumatic elbow-type tank bottom valve



## Industry Valve

The valve series includes: one piece ball valve, two piece ball valves, three piece ball valves, flange ball valve, globe valve, Check Valve, gate valve and so on, widely used in oil industry, city water supply, food process and so on.

Connection way: flange, weld, socket weld, thread and so on

Operative norm: America standard, Japan standard, German standard, Chinese standard.

Operation way: Manual, pneumatic, electrically operated, also may manual pneumatic exchange.

Material: CF8 (304) ,CF8M (316)

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➤ Angle seat valve



➤ Solenoid valve



➤ Tank bottom discharge valve



➤ Three-piece female ball valve



➤ Two-piece female ball valve



➤ One-piece female ball valve

## Sanitary Ball Valves

Butterfly-type ball valve has similar outward appearance with butterfly valve and with easy installation and maintenance. It meets the demand what butterfly valve can't meet, such as high temperature, high corrosion medium and high pressure conditions etc. This ball valve is available with CIP clean connection. It is operated by manual, pneumatic.



✦ Pneumatic Clamp  
Butterfly-type Ball Valve

✦ Pneumatic Ball Valve  
with C-TOP





➤ Three-way Ball Valve



➤ Non-resort Ball Valve



➤ Pneumatic Clamp direct-way Ball Valve



➤ Clamp direct-way Ball Valve



➤ Thread direct-way Ball Valve

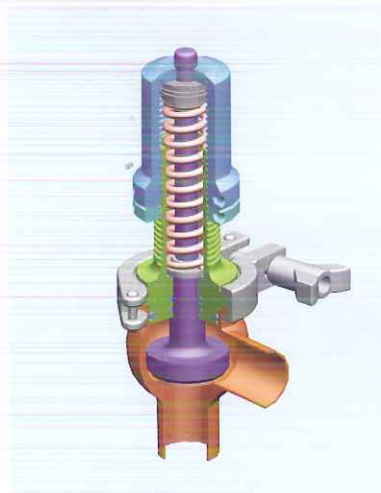


➤ Clamp Butterfly-type Ball Valve



## ■ Safety Valve

The safety valve is also known as relief valve, can be set working pressure from 0.5Bar (0.05Mpa)-8Bar (0.8Mpa) according to demand of container or piping. This safety valve is available with pneumatic or manually quick-release. With connection way of clamp, weld, thread. Standard: DIN, SMS, RJT, ISO, IDF, 3A etc. Seal comply with FDA177.2600. Size: 1/2" (DN10) to 4" (DN100). Material: ASTM T304 (1.4301), T316L (1.4404)



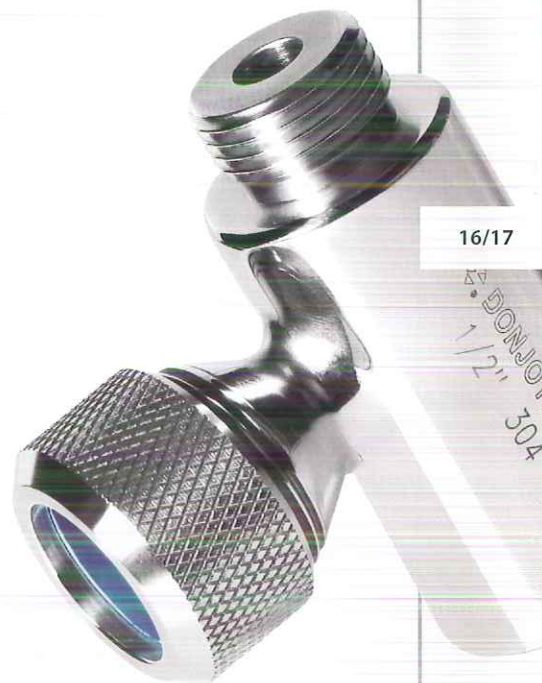


## Level Gauge

As a supplier offers systematic and comprehensive solutions, Donjoy active in industrial of dairy products, food, beer, beverage, pharmaceutical, cosmetic and so on. To the full range of products and services, long-term continuous improvement and application in various industries. Donjoy has very rich experience



➤ Level gauge



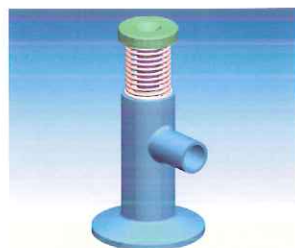
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## Sampling Valve

The aseptic sampling valve has the handle lifting type and hand wheel track revolving type. Aseptic sampling valve samples when open but sterilize when close. Level valve with sampling function can be displayed capacity of the container while also sampling. Yogurt sampling valve is a kind of sampling valve which is designed to open valve seat inside of equipment. It opens when handle is pressed; it closes itself when handle is released. Complete drainage (liquid) design, prevents possibility of the material stay inside of valve and avoids valve unexpected open or leakage caused by excessive pressure of pipeline.



➤ Sampling valve with elliptic type handle



➤ Yogurt Sampling valve



➤ Aseptic sampling valve

## Manhole cover

Circular manhole cover with pressure, size :300,350,400,430,450,500,600,700,800, working pressure 4Bar (0.4Mpa)  
 Circular manhole cover, size: 200, 250, 300, 350, 400, 430, 450, 500, 600  
 Square manhole cover, size: 430x330, 530x430,  
 Elliptical manhole cover, size: 430x330, 530x430,630x530  
 Material: AISI 304(1.4301), 316L (1.4401)  
 Surface: Mirror polish, satin polish, and sand-blast



➤ Circular manhole cover



➤ Manhole cover with pressure



➤ Elliptical manhole cover

➤ Square manhole cover

## Cleaning Ball

Fixed cleaning ball, connection way: bolt, thread, clamp, weld etc, 180 360 spray area, Size:1/2 "-3"  
 Material: AISI 304(1.4301), 316L (1.4401)  
 Rotary cleaning ball connection way: bolt, thread, clamp, weld, Size1/2 "-3",  
 This clean ball design has double-decked stainless steel ball and single level steel ball.  
 Material: AISI 304(1.4301), 316L (1.4401)  
 The Rotary cleaning ball, the design has six spray heads, each spray head can be rotated 360 degrees, strongly spray, good cleaning effect. .  
 Size1" -2" connection way: bolt, thread, clamp, weld, Material: AISI 304(1.4301), 316L (1.4401)



➤ Rotary cleaning ball



➤ Rotary cleaner



➤ Fixed cleaning ball



## Filter

Donjoy has two filter series, pipeline filter and micro-filter. Pipeline filtration has Y filter, angle type filter, straight filter, the micro-filter precision from 0.1mm to 0.55mm (180mesh to 30 mesh), the pressure may reach 10Bar(1.0Mpa), the micro-filter has core from multi-cores to 1 core and size from 10 to 40, precision from 0.05Um to 0.65Um



➤ Sterilizing Vent Filters



➤ Y type filter



➤ Microporous filter



➤ Straight type filter



➤ Angle type filter

## Sight Glasses

Max.temperature:150°C, Max.pressure: 10Bar (1.0Mpa).Design: cross sight glass, union type sight glass, sight glass with light, 24V voltage lamp sight glass. Connection: thread , clamp, weld, and flange type.  
Size: 1" (DN25) to 6" (DN150),  
Material: ASTM T304 (1.4301), T316L (1.4404)



➤ Sight glass with DC 24V lamp



➤ Spherical four-way sight glass

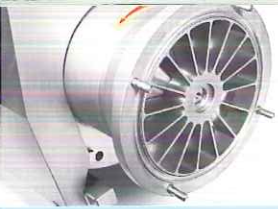


➤ Four-way sight glass



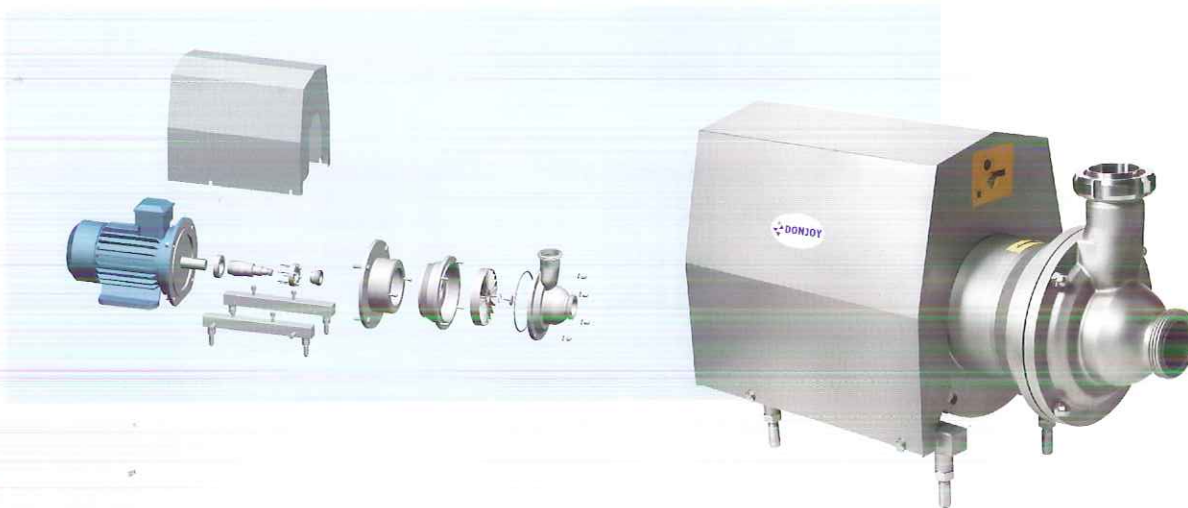
➤ Tubular Sight glass

➤ Sight glass with wireless Lamp



## ■ Self-Priming Pump(CIP Pump)

Self pump motor is available with different motor, such as frequency adjustable speed motor, explosion-proof motor and customized voltage or frequency. Each pump parts are made through CNC machining center, with very long life mechanical seal.



## ■ Centrifugal Pump(KS series)

The fully-open impeller is designed with high hygienic, low noise, high discharge head, widely used in dairy, beverage, food processing, pharmaceutical and fine chemical industries. Optional configure can also be low-emission connection and low emission valves, completely liquid emptying inside of pump head. Designs according to 3A sanitary standards, all seals comply with FDA177.2600.

Max. Re.: 3600 min-1

Max. Temperature: 150°C/309°F

Motor optional: Variable frequency motor, explosion-proof motor, indoor / outdoor IP56 protection.

50HZ or 60HZ, 380V 230V 220V 110V 690V 575V 460V 420V etc.

Mechanical seal optional: C/SIC and SIC/SIC and TC/TC, mechanical seal with water cooling system.





## ■ Blender(Mixing Pump)

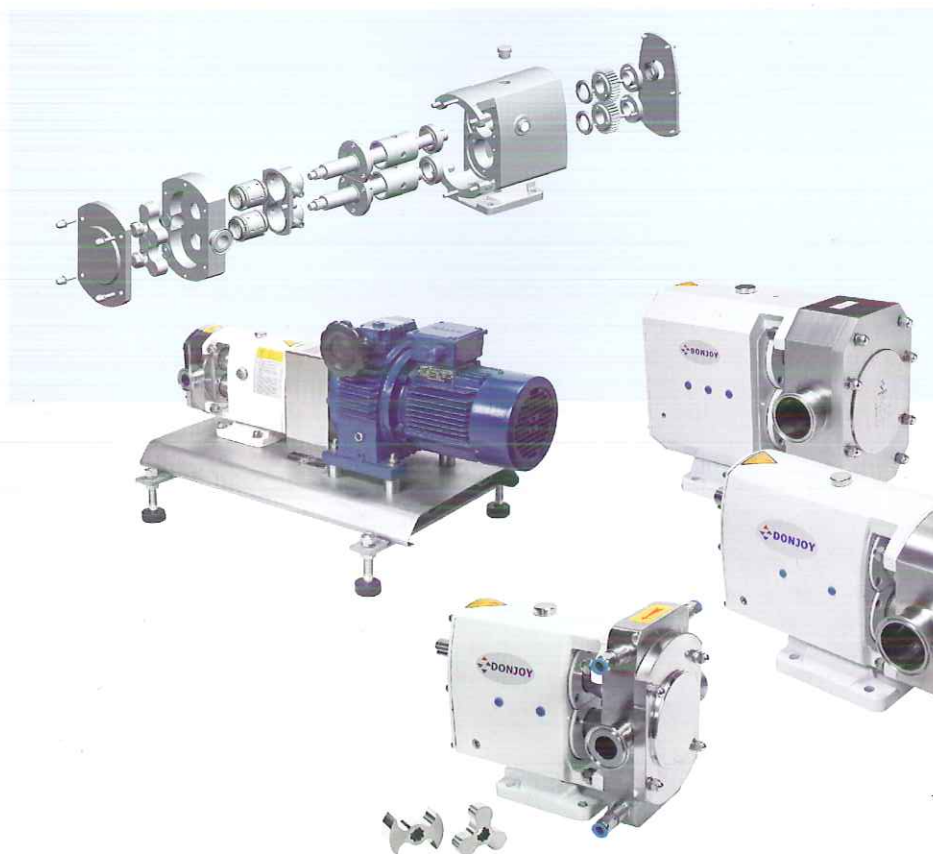
This mixer basically includes the cover and a vertical installment pump impeller. To avoid floc formation of solid and liquid before arriving mixing cover, there is a hopper and pipeline to separate them. The liquid enters the mix cavity with a very high speed, causing a vacuum in the center of impeller which will suck solid. The valve under hopper will control the entrance of solid. To avoid cavitations, it is very important to keep low pressure of suction and discharge beside. If the outlet pressure is high, then a centrifugal pump will be need to install to discharge beside of mixer, When the viscosity is over than 500cP, beside delivery pump and discharge pump should be lobe pump.



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## ■ Lobe pump

Mechanical continuously variable transmission lobe pump, the speed can be adjusted from 200-1000min-1 by turning hand wheel of gearbox. The advantage is that there is no need to configure other auxiliary equipment when adjust pump speed. Capacity: 1000L/H (1 m<sup>3</sup>/h) to 9000L/H (90m<sup>3</sup>/h)



## Clamps

Type: single pin clamp, double pin clamp,  
three piece clamp, high pressure clamp  
Material: 304,316  
Surface: mirror Polish, satin polish, sand blast  
Size: 1/2" - 10", DN10-DN250



➤ Clamp Ferrule



## Union

Type: hexagon nut, round nut, blind nut, blind liner, blind male, expand male, expand liner.  
Standard: DIN, SMS, IDF, ISO, 3A, DS, RJT  
Size: 1/2" - 6", DN10-DN150,  
Material: ASTM T304 (1.4301)/304L (1.4306)/316L (1.4404)  
Surface: Mechanical Ra = 0.8um



➤ Union & Blind nuts



## Pipe Holder

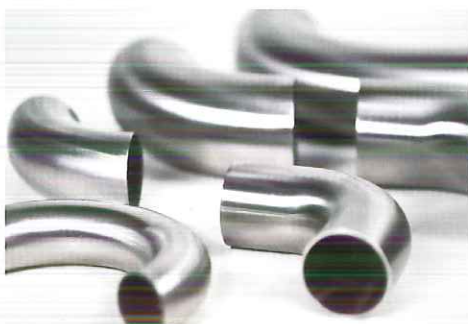
Type: hexagon, Anti-Vibration, female connection,  
male connection, weld connection.  
Size: 1/2" to 12", DN10-DN300,  
Material: ASTM T304 (1.4301)  
Surface: Polish, Sand blast





## Fittings

series includes elbow, tee, reducer, cross, 180 elbow,  
U type tee, Y type elbow Y type tee.  
Standard: DIN, SMS, IDF, ISO, 3A, DS, BPE, AS, BS4825  
Size: 1/2 " to 6 ", DN10-DN150,  
Material: ASTM T304 (1.4301)/304L (1.4306)/316L (1.4404)  
Surface: Mechanical polish  $Ra \leq 0.5\mu m$ , Electric polish  $Ra \leq 0.4\mu m$



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➤ Clamped pipe fittings



➤ Stainless steel tube

➤ Welded pipe fittings



## Industry Pipe Fitting

Industry pipe fitting includes flange, lap joint, elbow, tee, reducer, cross, 180 elbow  
Size: 1/2 " to 48" DN10-DN1200  
Material: ASTM T304/T304L/T316/T316L, 1.4301, 1.4306  
Standard: ASME B16.9, GBT/12459, GBT/13401, SH3408, SH3409 etc



➤ Tee  
(Equal, reducing)

➤ Reducer

➤ Long radius elbow

➤ Tube  
end cap



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