

# Технические характеристики

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## Manual tank bottom valve

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### Applications

- The tank bottom seat valve is a pneumatically operated single seat valve which is assembled at the bottom of tank used in dairy, food processing, beverage, pharmaceutical and fine chemical industries.
- Tank bottom valve is used to vent the container material and the material will not be stuck in the valve chamber, the design of the seat opens to the inside of the container. It avoids the overvoltage because the pipe leads to the possibility of accidental opening of the valve. The tank bottom valve has 45 ° and 90 ° two designs, pneumatic and manual interchangeable.

### Technical specifications

- Size : DN25/1" to DN100/4"
- Temperature : 130°C
- Pressure : 10bar
- Air supply : 4-7bar
- Material : ASTM 304/1.4301 , 316L/1.4404
- Gaskets : EPDM、 FPM、 HNBR , FDA177.2600
- Treatment : Ra<0.8μm
- Certificate : 3-A-53-06 , PED/97/23/EC, FDA177.2600



## Powder tank bottom butterfly valve

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### Application

DJ-FDT butterfly valve is mainly designed for powder, granule, capsule and other container equipment systems. The butterfly valve has the characteristics that standard butterfly valve does not have, such as ultra-small torque, seal opening and closing does not produce excessive friction, long life, No seal powder shedding, ultra-short valve body, and adjustable pressure. The valve does not require professional tools to be disassembled, maintained, cleaned, safe, reliable, low cost, simple to operate, and can be interchanged manually, pneumatically, or electrically.

### Technical specifications

Specifications: 4"-10", DN100-DN250

Connection method: clamp, welding, flange, bottom flange, DIN 3A INCH

Material: 316L/1.4404/1.4435

Seal: White SILCON (recommended) Gray FKM (selection)

Execution mode: manual, pneumatic, electric interchangeable

Surface treatment: Ra 0.6 $\mu$ m (recommended); Ra 0.4 $\mu$ m (selection)

External surface: matt (recommended) bright blasting electropolishing

Applicable: vacuum, high temperature 130 ° C, CIP cleaning, SIP sterilization, etc.



## Tank bottom ball valve

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### Application

- ◆The tank bottom ball valve is used for pressure vessels and storage tanks of draining and discharging with the fully inclusive designed ball seat and compensation automatic type sealing . So it has advantage of high pressure, high temperature resistance, small torque, long life and other characteristics to meet CIP and SIP cleaning and sterilization. It is very suitable for the application in high cleanliness requirements in process systems such as pharmaceutical, food and beverage, dairy products, chemical industry etc..
- ◆ Tank bottom ball valve can configure a variety of different actuators, electric, pneumatic and manual are interchangeable.

### Design Features

- Size : 1"-4",DN25-DN100
- Material : 304/1.4301 , 316L/1.4404
- Max. temperature : -30°C - 130°C
- Max.Pressure : Vacuum -10bar
- Operating torque is small
- Excretable
- No matter what the flow fluid is, the handle can be mounted on the side of the valve body
- No matter what kind of connection is, the valve can be replaced without change the length of valve.



## Pneumatic tank bottom ball valve

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### Application

- ◆The tank bottom ball valve is used for pressure vessels and storage tanks of draining and discharging with the fully inclusive designed ball seat and compensation automatic type sealing . So it has advantage of high pressure, high temperature resistance, small torque, long life and other characteristics to meet CIP and SIP cleaning and sterilization. It is very suitable for the application in high cleanliness requirements in process systems such as pharmaceutical, food and beverage, dairy products, chemical industry etc..
- ◆Pneumatic tank bottom ball valve can configure a variety of different actuators, electric, pneumatic and manual are interchangeable.

### Design Features

- Size : 1"-4",DN25-DN100
- Material : 304/1.4301 , 316L/1.4404
- Max. temperature : -30°C - 130°C
- Max.Pressure : Vacuum -10bar
- Operating torque is small
- Excretable
- No matter what the flow fluid is, the handle can be mounted on the side of the valve body
- No matter what kind of connection is, the valve can be replaced, without change the length of valve



## Manual tank bottom valve

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### Application

- The tank bottom seat valve is a pneumatically operated single seat valve which is assembled at the bottom of tank, used in dairy, food processing, beverage, pharmaceutical and fine chemical industries.
- Tank bottom valve is used to vent the container material and the material will not be stuck in the valve chamber, the design of the seat opens to the inside of the container. It avoids the over voltage because the pipe leads to the possibility of accidental opening of the valve. The tank bottom valve has 45 ° and 90 ° two designs, pneumatic and manual interchangeable.

### Technical specifications

- Size : DN25/1" to DN100/4"
- Temperature : 130°C
- Pressure : 10bar
- Air supply : 4-7bar
- Material : ASTM 304/1.4301 , 316L/1.4404
- Gaskets : EPDM, FPM, HNBR , FDA177.2600
- Treatment : Ra<0.8μm
- Certificate : 3-A-53-06 , PED/97/23/EC, FDA177.2600



## Pneumatic Tank bottom valve

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### Application

- Pneumatic Tank bottom valve is a pneumatically operated single seat valve which is assembled at the bottom of tank, used in dairy, food processing, beverage, pharmaceutical and fine chemical industries.
- Tank bottom valve is used to vent the container material and the material will not be stuck in the valve chamber, the design of the seat opens to the inside of the container. It avoids the overvoltage because the pipe leads to the possibility of accidental opening of the valve. The tank bottom valve has 45 ° and 90 ° two designs, pneumatic and manual interchangeable.

### Technical specifications

- Size : DN25/1" to DN100/4"
- Temperature : 130°C
- Pressure : 10bar
- Air supply : 4-7bar
- Material : ASTM 304/1.4301 , 316L/1.4404
- Gaskets : EPDM, FPM, HNBR , FDA177.2600
- Treatment : Ra < 0.8µm
- Certificate : 3-A-53-06 , PED/97/23/EC, FDA177.2600



## Horizontal Pneumatic Butterfly Valve

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### Applications

Horizontal Pneumatic Butterfly Valve

Butterfly valve both manual and automatic operation can be used in industrial applications in fluid products, such as food processing, pharmaceutical and chemical industries.

### Technical Specifications

Size: DN10-DN300, 1/2 -12 "

Temperature: 130°C

Pressure: 10bar

Material: ASTM T304/T316L, 1.4301/1.4404

Connection: flange, Weld, Clamp, Thread, etc.

Operation standard: DIN SMS RJT 3A ISO IDF

Pneumatic Operation: Single action, Double action

Certificate: PED/97/23/EC, health wading license





## Pneumatic Tank Bottom Diaphragm Valves

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### Technical specifications

Pneumatic tank bottom diaphragm valve is specially used for discharging medium from tanks, no resort at the chamber.

- ◆ Size: 1"-4", DN25-DN100
- ◆ Highest Temperature: -30 to 150 °C (Depending on diaphragm) (Stainless steel actuator)
- ◆ Highest Temperature: -30 to 130 °C (Depending on diaphragm) (Plastic actuator)
- ◆ Maximum Pressure: Unidirectional (DELTA P = 100%)
  - Normally closed rubber 8bar, PTFE 6bar (option)
  - Normally closed rubber 6bar, PTFE 4.5bar (standard)
  - Normally open and double acting rubber 8bar, PTFE 6bar
- ◆ Facelift different actuators can meet higher pressure rating
- ◆ Forged Body: 1.4404 / 316L /1.4435 NB2
- ◆ Cast body: 1.4404 / 316L
- ◆ Connection: Weld, Clamp, Flange, Thread
- ◆ Body Structure: 2 channels, 3 channels, etc.
- ◆ Diaphragm Material: EPDM + PTFE (double layer) / EPDM / Silicon / FPM (Viton)
- ◆ Certificate: 3A-54-02 / 1580, PED 97/23 EC, FDA177.2600



## Manual diaphragm tank bottom valve

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### Technical Specifications

Manual tank bottom diaphragm valve is specially used for discharging medium from tanks, and no resort at the chamber.

- ⊙ Size: 1"-4", DN25-DN100
- ⊙ Pressure: 10bar (145 PSI)
- ⊙ Material: ASTM 316L, 1.4404, 1.4435 NB2 Fe <0.5%
- ⊙ Temperature: -20 °C + 150 °C
- ⊙ Connection: Weld, Clamp, Thread, 3A BPE DIN SMS IDF ISO
- ⊙ Body structure: U type tee + sampling valve; U-type links
- ⊙ Diaphragm material: EPDM + PTFE (double layer) / EPDM / Silicon / FPM (Viton)
- ⊙ Certificate: 3A-54-02 / 1580, PED 97/23 EC, FDA177.2600



## Multi-channel bottom diaphragm valve MG-32B

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### Technical Specifications

Multi-channel bottom diaphragm valve MG-32B

2 control valves, 3 ports

A water point valve seat

Dead zone =  $\leq 1D$

Size: 1"-2", DN25-DN50

Material: 316L/1.4404, 1.4435 NB2 Fe < 0.5%

Inner Surface Treatment: Ra0.4 $\mu$ m, Mechanical polishing, Electro polishing

Diaphragm: Double diaphragm: EPDM+PTFE; Single diaphragm: EPDM, FPM, Silicon

Operations: Manual/Pneumatic

Control: configurable, 1) Control Unit C-TOP, 2) positioner IL-TOP, 3) mechanical valve regulator, 4) Position Sensor



## Multi port Diaphragm Valve M-53A

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### Technical Specifications

3 control valves, 5 ports

A water point valve seat

Two integrated closed-loop sampling valve seats

Suggest S1 up installation

Dead zone =  $\leq 1D$

Size: 1"-2", DN25-DN50

Material: 316L/1.4404, 1.4435 NB2 Fe < 0.5%

Temperature: -20°C +150°C

Pressure: 10bar

Inner Surface Treatment: Ra0.4 $\mu$ m, Mechanical polishing, Electro polishing

Diaphragm: Double diaphragm: EPDM+PTFE; Single diaphragm: EPDM, FPM, Silicon

Operations: Manual/Pneumatic

Control: configurable, 1) Control Unit C-TOP, 2) positioner IL-TOP, 3) mechanical valve regulator, 4)

Position Sensor

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