

# Технические характеристики

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## Proportional regulating shut-off valve

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### Application

Proportional pneumatic cut-off regulating valve is used in dairy, food, beverage production, bio-pharmaceutical, fine chemical, water treatment, new energy and other industries. The valve controls various fluid flows, temperatures, pressures, and so on.

### working principle

Input signal: 0/4-20mA

Bus communication: MODE BUS RS485

0/4-20mA, 0-5/10V (optional)

Output signal: 0/4-20mA, 0-5/10V (optional)

Display: OLED Chinese menu

Specifications: DN10-DN150, 1/2"-6"

Material: 304/1.4301, 316L/1.4404, 1.4435, 2205

Temperature: -20 ° C to 150 ° C

Pressure: vacuum -10bar

Air source pressure: 4-7bar

Power supply: DC 24V ±10%

Health certification: 3-A-53-06; PED-97/23/EC; FDA177.2600

Explosion-proof certification: II 2 G Ex ib IIC T6/T5/T4



## Proportional adjustment butterfly valve

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### Application

Proportional pneumatic adjustment butterfly valve is used in dairy, food, beverage production, bio-pharmaceutical, fine chemical, water treatment, new energy and other industries. The valve controls various fluid flows, temperatures, pressures and so on.

### working principle

Input signal: 0/4-20mA

Bus communication: MODE BUS RS485

0/4-20mA, 0-5/10V (optional)

Output signal: 0/4-20mA, 0-5/10V (optional)

Display: OLED Chinese menu

Material: 304/1.4301, 316L/1.4404, 1.4435, 2205

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

Temperature: -20 ° C to 150 ° C

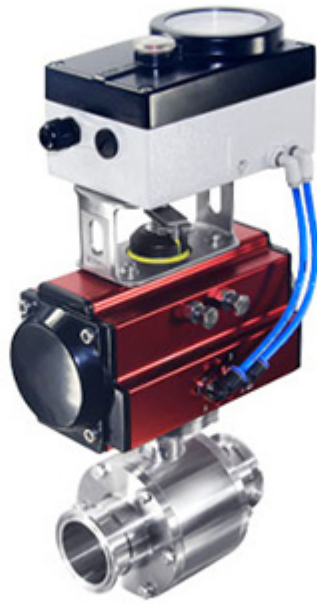
Pressure: vacuum -10bar

Air source pressure: 4-7bar

Power supply: DC 24V  $\pm$ 10%

Health certification: 3-A-53-06; PED-97/23/EC; FDA177.2600

Explosion-proof certification: II 2 G Ex ib IIC T6/T5/T4



## Proportional adjustment ball valve

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### Application

Proportional pneumatic adjustment ball valve is used in dairy, food, beverage production, bio-pharmaceutical, fine chemical, water treatment, new energy and other industries. The valve controls various fluid flows, temperatures, pressures and so on.

### working principle

Input signal: 0/4-20mA

Bus communication: MODE BUS RS485

0/4-20mA, 0-5/10V (optional)

Output signal: 0/4-20mA, 0-5/10V (optional)

Display: OLED Chinese menu

Material: 304/1.4301, 316L/1.4404, 1.4435, 2205

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

Temperature: -20 ° C to 150 ° C

Pressure: vacuum -10bar

Air source pressure: 4-7bar

Power supply: DC 24V  $\pm$ 10%

Health certification: 3-A-53-06; PED-97/23/EC; FDA177.2600

Explosion-proof certification: II 2 G Ex ib IIC T6/T5/T4



## Diaphragm type Pneumatic control valve

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### Application

Diaphragm type Pneumatic control valve is used in dairy, food, beverage production, bio-pharmaceutical, fine chemical, water treatment, new energy and other industries. The valve controls various fluid flows, temperatures, pressures and so on.

### working principle

Input signal: 0/4-20mA

Bus communication: MODE BUS RS485

0/4-20mA, 0-5/10V (optional)

Output signal: 0/4-20mA, 0-5/10V (optional)

Display: OLED Chinese menu

Material: 304/1.4301, 316L/1.4404, 1.4435, 2205

Specification: 1/2"-6", DN10-DN150

Temperature: -20 ° C to 150 ° C

Pressure: vacuum -10bar

Air source pressure: 4-7bar

Power supply: DC 24V  $\pm$ 10%

Health certification: 3-A-53-06; PED-97/23/EC; FDA177.2600

Explosion-proof certification: II 2 G Ex ib IIC T6/T5/T4



## Proportional control valve

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### Application

Manual pneumatic integrated, membrane pneumatic proportional control valve, which can be applied to various flow control and adjustment systems, and can be applied in various industrial fields such as chemical, sewage treatment, dairy, food, beverage production, pharmaceutical and fine. Industrial fields such as chemical industry. The most important applications are pressure control, flow control, liquid level, temperature control, etc. The pneumatic regulating valve is a conical valve core. The valve for controlling the flow rate is controlled by the positioner. The valve positioner can also be connected with an external transmitter to realize self-adjustment and control flow, temperature, liquid level and pressure through PID calculation.

### working principle

Control input: 0/4-20mA/0-5V/10V

Feedback output : 0/4-20mA/0-5V/10V

Power supply : DC24V  $\pm$  10%

Bus communication: MODE BUS RS485

Accuracy: Repeat positioning accuracy  $\leq$  0.2%;

Menu: OLED display Chinese & English

Setting: One-button auto-tuning function

Operating mode: manual / automatic

Fault: gas cut, power off, automatic valve position reset (standard) valve position hold function (optional)

Stroke angle: 0-180°

- ◆The valve position is not consuming when it is kept
- ◆Power supply: DC24V  $\pm$ 10%
- Scope of application: straight stroke and angular travel 30°-180°
- Aluminum alloy casing
- Explosion-proof grade ExdIIBT4 (optional)
- IP68 protection level



## Regulating Globe valve

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### Applications

Regulating Globe valve is mainly used in the flow control valve. The valves only has stainless steel and PTFE in contact with media with maximum temperature up to 180 °C, pressure up to 20bar, can be used in a vacuum environment. Body is designed according to no dead angle with the surface roughness up to Ra0.4µm. Valve seal adopts embedded design which is widely used in all industries, such as pharmaceutical, food and beverage, brewing, chemical and other industries . This valve is particularly suitable for steam flow regulating control systems.

### Technical Specifications

- Pneumatic regulating valve controlled by positioner to achieve flow control (PD) may also adopt self position and flow adjustment (PID) by intelligent process controller.
- Size: 1 "-4", DN25-DN100
- Material: 304 / 1.4301,316L / 1.4404
- Maximum temperature: -30 to 150 °C
- Maximum pressure: vacuum to 10bar
- 0/4 ... 20mA to 0 ... 5 / 10V (basic type)
- 0/4 ... 20mA position feedback output (option)
- Device NET bus control (option)
- Single action / double action (option)
- Connection: clamp, thread, weld, flange, DIN SMS RJT ISO
- Certificate: 3-A-68-00, FDA 177.1550, PED / 97/23 / EC





## Regulating angle seat valve

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### Applications

Regulating angle seat valve is mainly used in the flow control valve. The valves only have stainless steel and PTFE in liquid contact parts with maximum temperature up to 180 °C, pressure up to 20bar, can be used in a vacuum environment. Body is designed according to no dead angle with the surface roughness up to Ra0.4µm. Valve seal adopts embedded design which is widely used in all industries, such as pharmaceutical, food and beverage, brewing, chemical and other industries . This valve is particularly suitable for steam flow regulating control systems.

### Technical Specifications

- Pneumatic regulating valve controlled by positioner to achieve flow control (PD) may also adopt self position and flow adjustment (PID) by intelligent process controller.
- Size: 1 "-4", DN25-DN100
- Material: 304 / 1.4301,316L / 1.4404
- Maximum temperature: -30 to 150 °C
- Maximum pressure: vacuum to 10bar
- 0/4 ... 20mA to 0 ... 5 / 10V (basic type)
- 0/4 ... 20mA position feedback output (option)
- Device NET bus control (option)
- Single action / double action (option)
- Connection: clamp, thread, weld, flange, DIN SMS RJT ISO
- Certificate: 3-A-68-00, FDA 177.1550, PED / 97/23 / EC



## Proportional regulating ball valve

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### Applications

Regulating type ball valve is divided into two way, three way, tank bottom ball valve and so on, flow control device is design for dairy, food processing industry, beverage manufacturing, pharmaceutical and fine chemical industry. The most important application is pressure control, flow control, liquid level, etc.

### Working principle

- Pneumatic regulating type ball valve controlled by positioner to achieve flow control (PD) may also adopt self position and flow adjustment (PID) by intelligent process controller.
- Size: 1 "-4", DN25-DN100
- Material: 304 / 1.4301, 316L / 1.4404
- Maximum temperature: -30 to 150 °C
- Maximum pressure: vacuum to 10bar
- 0/4 ... 20mA to 0 ... 5 / 10V (basic type)
- 0/4 ... 20mA position feedback output (option)
- Device NET bus control (option)
- Single action / double action (option)
- Connection: clamp, thread, weld, flange, DIN SMS RJT ISO
- Certificate: 3-A-68-00, FDA 177.1550, PED / 97/23 / EC



## Proportional regulating butterfly valve

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### Applications

Regulating butterfly valve is mainly used in the process control system, it achieves valve flow adjustment control and valve position feedback.

### Technical specifications

0/4 ... 20mA to 0 ... 5 / 10V (basic type)

0/4 ... 20mA position feedback output (option)

Device NET bus control (option)

Single action / double action (option)

Power: DC.24V

Size: DN25-DN300,1 "-12"

Maximum temperature: 130 °C

Maximum pressure: 10bar

Material: ASTM T304 / T316L, 1.4301 / 1.4404

Certificate: PED-97/23 / EC; FDA177.2600

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## Proportional adjustment seat valve

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### Applications

- Regulating valve is a pneumatic proportional valve, flow control device is design for dairy, food processing industry, beverage manufacturing, pharmaceutical and fine chemical industry. The most important application is pressure control, flow control, liquid level and so on.

### Working principle

- Pneumatic control valve controlled by positioner to achieve flow control (PD) may also adopt self position and flow adjustment (PID) by intelligent process controller.
- input signal, 0 / 4-20mA, 0-5 / 10V.
- output signal, 0 / 4-20mA, 0-5 / 10V.
- 1) equal percentage valve core, 2) parabolic valve core, 3) taper valve core, 4) quick-opening valve core
- Material: 304, 316L
- Temperature: -10 °C to 130 °C
- Pressure: 10bar
- Air supply: 4-7bar
- Power: DC 24V ± 10%
- Certificate: 3-A-53-06; PED-97/23 / EC; FDA177.2600



## Diaphragm Regulating Valve

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### Applications

Diaphragm regulating valves are mainly used in biopharmaceutical fluid control system. The design of valve is completely empty without dead angles, liquid contact parts are high purity stainless steel and PTFE material, so it is very suitable for high purity requirements of processing piping systems. The body structure has a variety of forms and combinations (Please refer to the DONJOY diaphragm valve data).

### Technical Specifications

Analog input: 0/4-20mA, 0-5/10V

Power: DC24V  $\pm$  10%

Protection: IP68 rating

Support for manual operation

One-touch auto-tuning function

Size: 1"-4", DN25-DN100

Material: 1.4435NB2, 316L, 1, .4404, ASME BPE 316L

Highest Temperature: -30 to 150 °C (Depending on seal material) (Stainless steel actuators)

Highest Temperature: -30 to 130 °C (Depending on seal material) (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



## Film pneumatic aseptic control valve

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### Applications

- Diaphragm regulating valve is a pneumatic proportional valve, flow control device is design for dairy, food processing industry, beverage manufacturing, pharmaceutical and fine chemical industry. The most important application is pressure control, flow control, liquid level and so on.
- Pneumatic regulating valve is a taper valve core position. Valve that can regulate flow by positioner (PD) can also adopt self position and flow adjustment (PID by intelligent process controller).

### Technical Features

- ◆ Size: DN25-DN100 to 1 "-4"
- ◆ Material: ASTM304 / 316L, 1.4301 / 1.4404
- ◆ Working temperature: -10 °C to + 120 °C (EPDM)
- ◆ Working pressure: 10bar 145PSI
- ◆ Compressed air: 4-7bar
- ◆ Pneumatic actuator connection: G1 / 8 "(BSP)
- ◆ Voltage: 24V DC  $\pm$  10%
- ◆ Analog signal input: 4 ... 20 mA 0 ... 10V
- ◆ Support manual operation and large screen
- ◆ Class: IP68
- ◆ Certificate: 3-A-53-06; PED-97/23 / EC; FDA177.2600; EEX DII BT4



## Diaphragm type pneumatic globe valve with positioner

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### Application

- Diaphragm type pneumatic globe valve with positioner are pneumatic proportional valves, flow control design devices for the dairy and food processing industries, beverage production, pharmaceutical and fine chemical industries. The most important applications are pressure control, flow control, liquid level, etc.
- Pneumatic control valve is the position of the conical valve core. The valve (PD) that realizes flow regulation through the positioner control can also realize the self-adjusting position and flow (PID) function by using the intelligent process controller.

### Technical specifications

- ◆ SIZE: DN25-DN100 to 1"-4"
- ◆ Material: ASTM304/316L, 1.4301/1.4404
- ◆ Working temperature: -10 ° C to +120 ° C (EPDM)
- ◆ Working pressure: 10bar 145PSI
- ◆ Compressed air: 4-7bar
- ◆ Pneumatic actuator connection G1/8" (BSP)
- ◆ Voltage: 24V DC ±10%
- ◆ Analog signal input and output: 4...20 mA 0...10V
- ◆ Support manual operation, large screen interface, Chinese and English menu
- ◆ IP68 rating
- ◆ Certification: 3-A-53-06; PED-97/23/EC; FDA177.2600; EEX DII BT4



## Proportional aseptic control valve

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### Application

- Aseptic regulators are pneumatic proportional valves, flow control design devices for the dairy and food processing industries, beverage production, pharmaceutical and fine chemical industries. The most important applications are pressure control, flow control, liquid level, etc.
- Pneumatic control valve is a conical spool position. It is designed with PTFE diaphragm completely isolated from the atmosphere and has a high level of cleanliness requirements.

### Technical specifications

- ◆SIZE: DN25-DN100 to 1"-4"
- ◆Material: ASTM304/316L, 1.4301/1.4404
- ◆Working temperature: -10 ° C to +120 ° C (EPDM)
- ◆Working pressure: 10bar 145PSI
- ◆Compressed air: 4-7bar
- ◆Pneumatic actuator connection G1/8" (BSP)
- ◆Voltage: 24V DC ±10%
- ◆ Analog signal input and output: 4...20 mA 0...10V
- ◆ Support manual operation, large screen interface, Chinese and English menu
- ◆IP68 rating
  
- ◆ Certification: 3-A-53-06; PED-97/23/EC; FDA177.2600; EEX DII BT4



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