

# Технические характеристики

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Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	



## Check Valve

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### Technical Specifications

- ⊙ Specifications: DN8-DN50, 1/2" - 2"
- ⊙ Material : CF8/304 , CF8M/316
- ⊙ Nominal pressure : PN1.6 , 2.5 , 4.0 , 6.4MPa
- ⊙ Strength test pressure : PN2.4 , 3.8 , 6.0 , 9.6MPa
- ⊙ High pressure seal pressure test : 1.8 , 2.8 , 4.4 , 7.1MPa
- ⊙ Applicable medium : H1 H-(16-64)C Water, oil, gas
- ⊙ Applicable temperature : -40~180°C



## Flange check valve

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### Application

- ⊙ Check valve is designed to prevent fluid from flowing back and ensure the flow to one way direction.
- ⊙ It can be used to reduce the loss of fluid back suction, avoid pipe is shock by liquid
- ⊙ It is used in the food-processing, beverages, winery, oil, cosmetics, pharmaceuticals and chemicals industries.

### Operating Principles

- ⊙ The valve is open when pressure of the fluid exceeds the spring pressure and it is closed when the two pressures are close equal. And stronger counter-pressure also makes the valve closed.

### Design and Features

- ⊙ Specifications: DN-50/2" TO DN-300/12"
- ⊙ Body/shaft: AISI 316L/304
- ⊙ Spring: AISI 304
- ⊙ Seal: EPDM according to FDA177.2600
- ⊙ Surface Treatment: Ra  $\leq$  0.8  $\mu$ m
- ⊙ Seal: NBR, FPM (Viton) or PTFE. FDA 177.2600(optional)
- ⊙ Connections: weld, thread, clamp, DIN, SMS, RJT, IDF, ISO,3A
- ⊙ Max. pressure : 10 bar
- ⊙ Opening pressure : 0.3bar(DN-25)0.2bar(DN-32/40)0.1bar(DN-50/100)
- ⊙ Working temperature : -10°C to 130°C(EPDM)



## Check valve with clamp end

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### Application

- ⊙ Check valve is designed to prevent fluid from flowing back and ensure the flow to one way direction.
- ⊙ It can be used to reduce the loss of fluid back suction, avoid pipe is shock by liquid
- ⊙ It is used in the food-processing, beverages, winery, oil, cosmetics, pharmaceuticals and chemicals industries.

### Operating Principles

- ⊙ The valve is open when pressure of the fluid exceeds the spring pressure and it is closed when the two pressures are close equal. And stronger counter-pressure also makes the valve closed.

### Design and Features

- ⊙ Specifications: DN-25/1" TO DN-100/4"
- ⊙ Body/shaft: AISI 316L/304
- ⊙ Spring: AISI 304
- ⊙ Seal: EPDM according to FDA 177.2600
- ⊙ Surface Treatment: Ra  $\leq$  0.8  $\mu$ m
- ⊙ Seal: NBR, FPM (Viton) or PTFE. FDA 177.2600 (optional)
- ⊙ Connections: weld, thread, clamp, DIN, SMS, RJT, IDF, ISO, 3A
- ⊙ Max. pressure : 10 bar
- ⊙ Opening pressure : 0.3bar(DN-25) 0.2bar(DN-32/40) 0.1bar(DN-50/100)
- ⊙ Working temperature : -10°C to 130°C (EPDM)



## Check valve clamp ends

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### Application

- ⊙ Check valve is designed to prevent fluid from flowing back and ensure the flow to one way direction.
- ⊙ It can be used to reduce the loss of fluid back suction, avoid pipe is shock by liquid
- ⊙ It is used in the food-processing, beverages, winery, oil, cosmetics, pharmaceuticals and chemicals industries.

### Operating Principles

- ⊙ The valve is open when pressure of the fluid exceeds the spring pressure and it is closed when the two pressures are close equal. And stronger counter-pressure also makes the valve closed.

### Design and Features

- ⊙ Specifications: DN-25/1" TO DN-100/4"
- ⊙ Body/shaft: AISI 316L/304
- ⊙ Spring: AISI 304
- ⊙ Seal: EPDM according to FDA 177.2600
- ⊙ Surface Treatment: Ra  $\leq$  0.8  $\mu$ m
- ⊙ Seal: NBR, FPM (Viton) or PTFE. FDA 177.2600 (optional)
- ⊙ Connections: weld, thread, clamp, DIN, SMS, RJT, IDF, ISO, 3A
- ⊙ Max. pressure : 10 bar
- ⊙ Opening pressure : 0.3bar(DN-25) 0.2bar(DN-32/40) 0.1bar(DN-50/100)
- ⊙ Working temperature : -10°C to 130°C (EPDM)



## Nut check valve

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### Application

- ⊙ Check valve is designed to prevent fluid from flowing back and ensure the flow to one way direction.
- ⊙ It can be used to reduce the loss of fluid back suction, avoid pipe is shock by liquid
- ⊙ It is used in the food-processing, beverages, winery, oil, cosmetics, pharmaceuticals and chemicals industries.

### Operating Principles

- ⊙ The valve is open when pressure of the fluid exceeds the spring pressure and it is closed when the two pressures are close equal. And stronger counter-pressure also makes the valve closed.

### Design and Features

- ⊙ Specifications: DN-25/1" TO DN-100/4"
- ⊙ Body/shaft: AISI 316L/304
- ⊙ Spring: AISI 304
- ⊙ Seal: EPDM according to FDA177.2600
- ⊙ Surface Treatment: Ra  $\leq$  0.8  $\mu$ m
- ⊙ Seal: NBR, FPM (Viton) or PTFE. FDA 177.2600(optional)
- ⊙ Connections: weld, thread, clamp, DIN, SMS, RJT, IDF, ISO,3A
- ⊙ Max. pressure : 10 bar
- ⊙ Opening pressure : 0.3bar(DN-25)0.2bar(DN-32/40)0.1bar(DN-50/100)
- ⊙ Working temperature : -10°C to 130°C(EPDM)



## Third generation high purity check valve

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### Application

In 2015, DONJOY carried out a comprehensive technical update of the check valve. After the upgrade, the check valve has a smaller dead angle, smaller flow resistance, and the valve core is sealed with full PTFE. Satisfied with automatic welding, the technology meets ASME BPE, 3-A-6800, EHEDG high clean technical requirements.

- ⊙ Check valve is designed to prevent fluid from flowing back and ensure the flow to one way direction.
- ⊙ It can be used to reduce the loss of fluid back suction, avoid pipe is shock by liquid
- ⊙ It is used in the food-processing, beverages, winery, oil, cosmetics, pharmaceuticals and chemicals industries.

### Principle of operation

- ⊙ When the pressure of the fluid is greater than the suction pressure of the spring, the valve opens. When the two pressures are equal, the valve closes. A more powerful differential pressure can also close the valve.

### Design and features

- ⊙ Specification DN-25/1" to DN-100/4"
- ⊙ External structure and shaft AISI 316L/304

- ⊙ Spring AISI 304
- ⊙ Washer EPDM according to FDA 117.2600
- ⊙ Surface treatment  $Ra \leq 0.8 \mu m$
- ⊙ The gasket has NBR, FPM (fluoro rubber) or PTFE, FDA117.2600 (optional)
- ⊙ welding, thread, clamp, DIN, SMS RJT, IDF, ISO, 3A
- ⊙ Nominal pressure: 10 bar
- ⊙ Opening pressure: 0.3bar (DN-25) 0.2bar (DN-32/40) 0.1bar (DN-50/100) (can choose higher opening pressure)
- ⊙ Working temperature:  $-10^{\circ} C$  to  $+130^{\circ} C$  (EPDM)



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