

# Технические характеристики

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## Mixproof valve manifold

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### Applications

The manifold can be assembled by containers with various functions together. It can improve working efficiency of system and control the whole production process. The manifold can choose any flexible hose pipe and jet deviator to change the flexure automatically. The kind of automatic operation is safe, flexible and effective. One set of manifold can served to multi pipelines. Meanwhile other containers are filled in or empty, operator can clean up any one of them. The liquid won't be polluted.

### Technical specifications

Size : 1.5"-DN40 to 4"-DN100

Manifold : from 4 up to 48 valves

Temperature : 130°C

Pressure : 10bar

Air supply : 5-7bar

### Control Systems

- ◆With a simple C-TOP on every pneumatic actuator (solenoids and sensors)
- ◆With a C-TOP of AS-I field bus
- ◆Without C-TOP, solenoids are installed in the control panel and sensors on the pneumatic actuator
- ◆PLC control
- ◆The states of the valves can be displayed on the control panel



## Mixproof tank bottom valve

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### Working principles

Mixproof tank bottom valve, the concept of this double seat valve is characterized by excellent flexibility and easy operation. The typical design let you feel the most perfect body assembled and equipment in all mixproof tank bottom valve. This kind valve is automatic operated through compressed air. The mixing proof valve is constructed with two independent valve core seal. When valve is closed, the two seal will interlinks to atmosphere. If the liquid is leaking, it will be let out by leakage chamber. At the same time you will see valve have problem or not and some information of destroyed seal, prevent leakage and failure caused by the two media mixing. When the valve is open, the leakage chamber is closed.

### Design Features

- Size: DN40-1.1/2" to DN100-4"
- The valve is equipped with a normally closed pneumatic actuator
- Forged ball of the valve body
- If there is a gush of fluid leaks from bottom of valve tube, you can determine whether the seal is damaged
- Easy to remove (just removing the clamps is enough)
- Welded connection (mm or inch)
- Balance Protection Design
- Max. Operating Pressure : 10bar
- Min. Operating Pressure : Absolute vacuum
- Working temperature : -10°C - 130°C (140°C For short periods or disinfection)
- Certificate : 3-A-85-03 , PED/97/23/EC, FDA177.2600



## Mixproof valve / double seat valve

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### Applications

Pneumatic double seat valve is designed to meet when there are two different product flows through the same valve, both guarantee to prevent fluid mixing and be convenient for monitoring the working condition. The valve is used in dairy products, beverages, beer, and other high purity requirements of the process piping systems.

- ◆ This valve is normally closed (NC) by remotely being controlled through compressed air. This valve is accompanied with two small pneumatic valves (Normally open) to monitor of the valve seal leakage
- ◆ Plug (upper stem inside of a changeover valve) has two seals, which forms a leakage chamber between each other. The leakage medium flows into the chamber and discharges through detector valve. Supplying air to actuator can make the valve clean in place. During cleaning, fluid flows directly to the plug. This valve is insensitive to water hammer effect.

### Technical specifications

- ◆ Size : DN40-1.1/2" to DN100-4"
- ◆ Material : ASTM 316L, 1.4404
- ◆ Pressure : 10bar
- ◆ Temperature : 130°C
- ◆ Gaskets : EPDM, FPM, FDA177.2600
- ◆ Surface finish :  $Ra \leq 0.8 \mu m$
- ◆ Air supply : 5-7bar
- ◆ Certificate : 3-A-85-03 , PED/97/23/EC, FDA177.2600

## **Control unit**

- Power Supply : DC 24V±10%
- Single-acting (standard), double acting (option)
- Self-adjusting valves feature feedback
- Supports analog signal (4-20mA) & amp; electrical signal (DC24V) Output
- Support AS-I BUS
- Supports manual and automatic operation



## Mixproof valve / double seat valve

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### Applications

- ◆The mixproof valve is widely used in fluid processing technology, especially in the beverage, dairy industry applications.
- ◆Mixproof valve is a high degree of double-seat valve. Through the interface between two fluids, this system can be implemented in two body synchronization process, preventing the possibility of contaminating materials. leakage chamber and leak detector is self- cleaning by valve seat.

### Technical specifications

- Size:DN40-1.1/2"to DN100-4"
- The valve is equipped with a normally closed pneumatic actuator
- Forged ball valve body
- If there is a gush of fluid leaks from bottom of valve tube, you can determine whether the seal is damaged
- Easy to remove( just removing the clamps is enough)
- Welded connection (mm or inch)
- Balance Protection Design
- Max.Operating Pressure : 10bar
- Min.Operating Pressure : Absolute vacuum
- Working temperature : -10°C - 130°C(140°C For short periods or disinfection)
- Certificate : 3-A-85-03 , PED/97/23/EC,FDA177.2600 ●Compressed air pressure : 5bar-7bar
- Gas connection : R1/8"(BSP)



## Mix proof Butterfly Valve Type A

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### Applications

The mixproof butterfly valve as a process element for the separation of media, is suitable for a variety of applications:

- In CIP systems, for separating CIP cleaning fluid
- In flush-out processes
- In water management
- Part of pipeline separates material
- In CIP/gas management (breweries)
- Storage tanks for separating product/CIP
- As CIP reflux valve in the manifold
- Especially for liquids and no suspension / gas medium particles.

### Technical Specifications

Size: DN25-DN100, 1" - 4"

Material: 1.4404 / 1.4301, 304/ 316L

Maximum Temperature: -10 °C - 130 °C

Maximum Pressure: 10bar

Operation: Pneumatic/ Manual interchangeable

Control Box: C-TOP Basic type, C-TOP + AS-I communication

Seal: EPDM (standard) FPM / SILICON / NBR, FDA177.2600



## Mix proof Butterfly Valve type B

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### Applications

Double seat butterfly valves can be used in food-processing, pharmacy and chemical industries. The Butterfly Valve offers an easy and safe separation of products and prevents accidental mixing in case of gasket damage. It is often used to isolate materials that require safe separation and CIP Liquid in a single point (not in manifolds), or at the end of a manifold (e.g. CIP return) or entry of a CIP solution into a tank (through a cleaning ball).

### Technical Specifications

Size: DN25-DN100, 1" - 4"

Material: 1.4404 / 1.4301,304 / 316L

Maximum Temperature: -10 °C - 130 °C

Maximum Pressure: 10bar

Operation: Pneumatic/ Manual interchangeable

Control Box: C-TOP Basic type, C-TOP + AS-I communication

Seal: EPDM (standard) FPM / SILICON / NBR, FDA177.2600

Both sides of the valve body are interchangeable (no matter what connection)

Contact With Material: AISI 316L / 1.4404

Connection: SMS, RJT, DIN, 3A, ISO



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