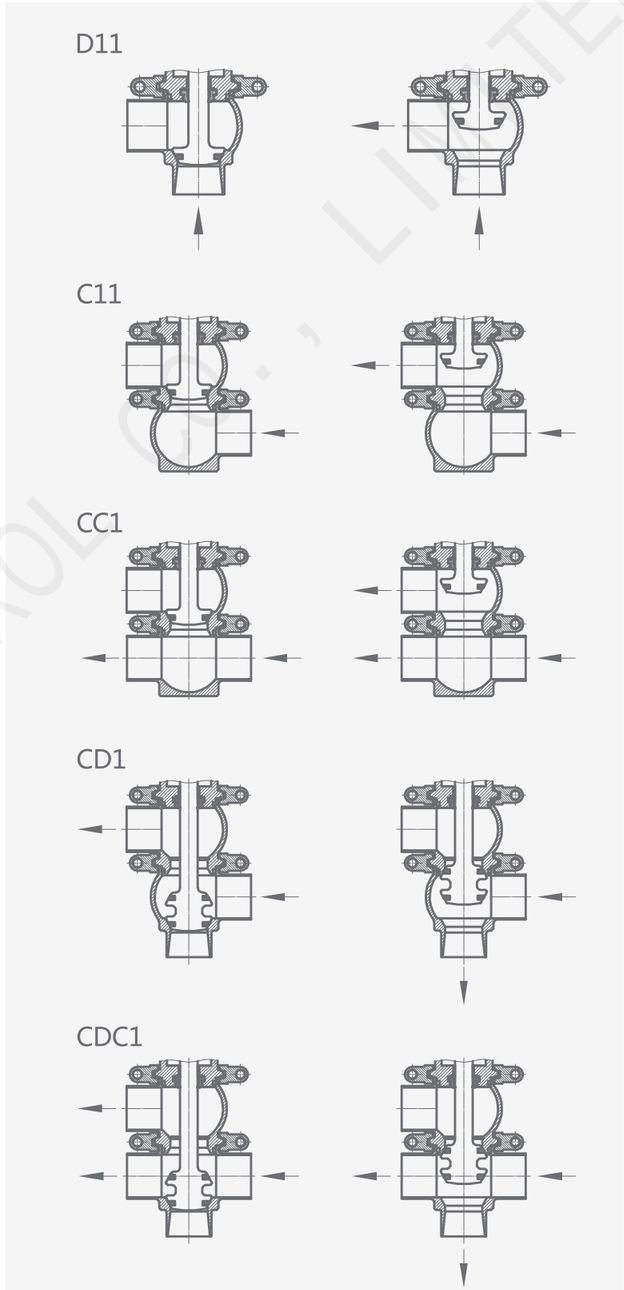
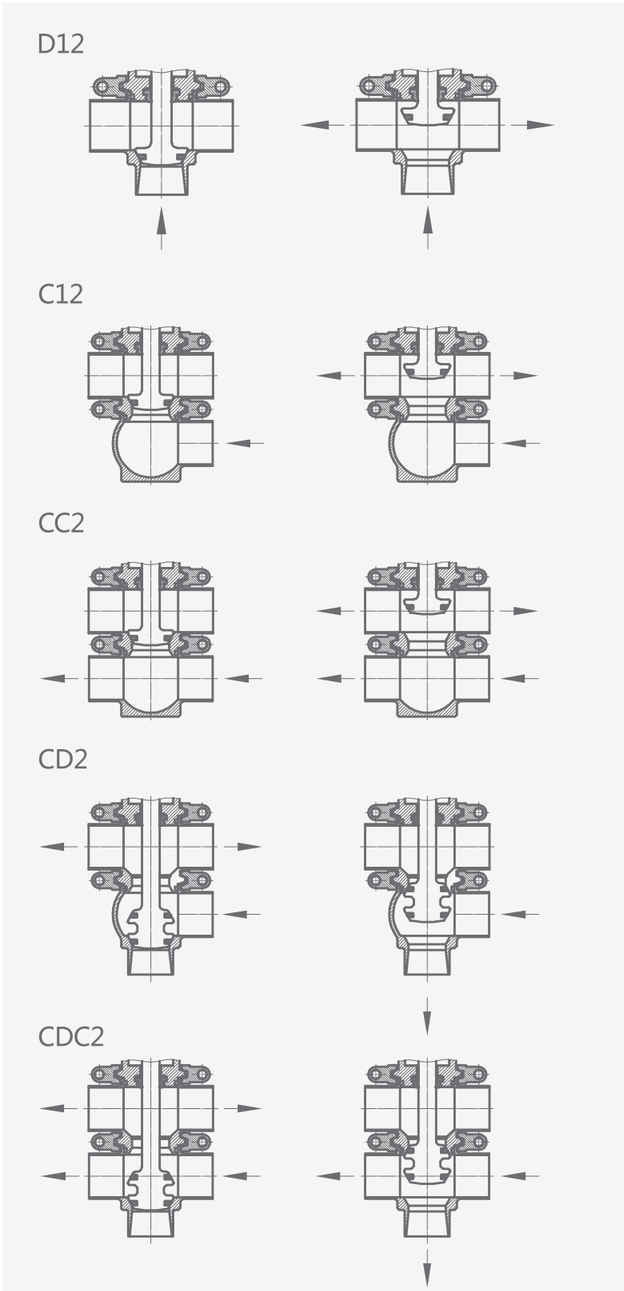
J&O Brand Hygienic Divert Valve
Mirx-Proof Valve
Manual & Pneumatic
C-Top

Reverse valve body assembly schematic diagram

换向阀阀体组合原理图





Stop Reversing Valve

截止换向阀

应用

- 该换向阀是一种卫生级单位气动操作阀门，在食品加工工业，饮料生产制药和精细化工工业中有着广泛的作用。

操作原理

- 该阀由单作用或双作用的气动执行器自动操作。压缩空气推动轴来定位阀门开或关的位置。
- 单作用执行器的气缸180度的旋转，实现了阀门的常开和常闭型。

材质

- 和物料接触部分：AISI316L、AISI304
- 其他部分为不锈钢：AISI304
- 密封圈：EPDM根据FDA 177.2600
- 内表面处理；Ra ≤ 0.8um
- 外表面处理；喷砂、抛光

设计和特点

- 简洁有活力的设计
- 尺寸从DN25/1 " 到DN100/4 "
- 标准为常闭型阀门（ NC ）
- 可以将执行器调头（ 180° ）即可实现常开型阀门（ NO ）
- 根据3A标准卫生设计
- 360度可调节外部结构
- 通过松开卡箍，就可以简单的拆卸内部部件
- 焊接式接扣（ 毫米或英寸 ）

技术规范

- 规格：DN25-DN100/1 " -4 "
- 工作温度：-10°C到120°C （ EPDM ）
- 最大工作压力：10bar（ 145PSI ）
- 压缩空气压力：5-7bar
- 气即连接：G1/8 " （ BSP ）

选项

- 垫圈：FPM（ 氟橡胶 ），符合FDA 177.2600
- 连接：DIN，SMS，RJT，IDF
- 双作用气动执行器
- 外置传感器
- 蒸汽消毒（ 如果轴需要杀菌 ）
- 阀体夹套保温
- 阀体调节器
- 双阻止执行器
- 隔膜式阀腔
- C-TOP控制单元
- 表面处理：RA ≤ 0.5um
- 手动操作

Application

- The reversing seat adjustment is a kind of hygienic unit pneumatic operated valve, which plays a wide role in food processing industry, beverage production, pharmaceutical industry and fine chemical industry.

Operating principle

- The seat valve is operated automatically by a single or double acting pneumatic actuator.Compressed air drives the shaft to position the valve open or closed.
- The cylinder of the single-acting actuator rotates 180 degrees to realize the normally open and normally closed valves.

The material

- Contact with materials: AISI316L, AISI304
- The other parts are stainless steel: AISI304
- Sealing ring: EPDM according to FDA 177.2600
- Internal surface treatment;Ra is 0.8 um or less
- External surface treatment;Sandblasting and polishing

Design and features

- Introduce dynamic design
- Dimensions from dn25/1 "to dn100/4"
- Standard: normally closed valve (NC)
- Actuator can be diverted to type(180°) can be realized normally open valve(NO)
- Sanitary design according to 3A standard
- 360 degree adjustable external structure
- The internal components can be simply removed by loosening the clamp
- Welded joint (mm or in.)

The technical specification

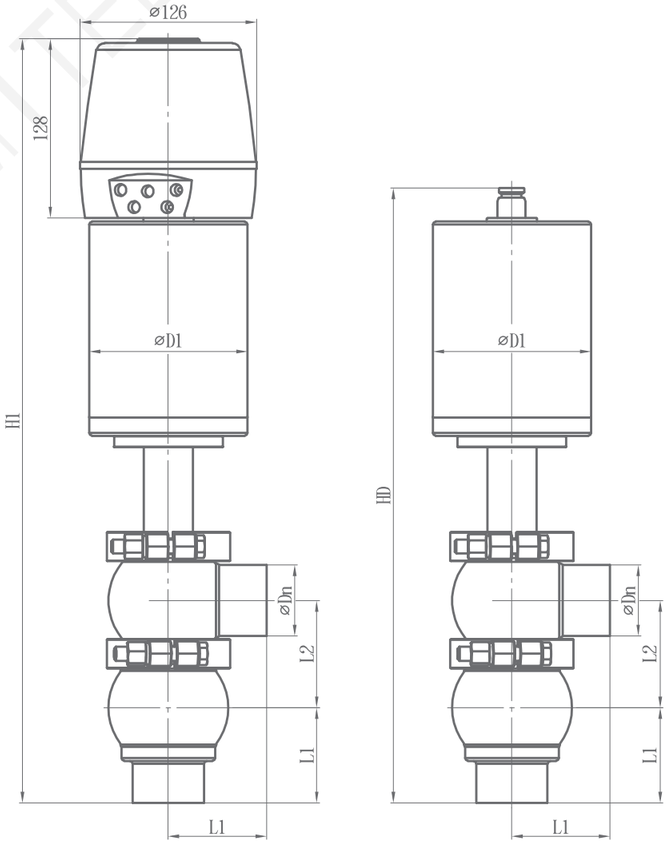
- Specification: dn25-dn100/1 "-4"
- Working temperature: - 10 ° C to 120 ° C (EPDM)
- Maximum working pressure: 10bar (145PSI)
- Compressed air pressure: 5-7bar
- Gas connection: g1/8 "(BSP)

Options

- Gasket: FPM, FDA compliant 177.2600
- Connection: DIN, SMS, RJT, IDF
- Double acting pneumatic actuator
- External sensor
- Steam sterilization (if the shaft needs sterilization)
- Body jacket insulation
- Body regulator
- Double block actuator
- Diaphragm type valve chamber
- C-top control unit
- Surface treatment: RA 0.5um
- Manual operation

Product Parameter

产品参数



DIN气动换向截止阀 DIN Pneumatic reversing stop valve

SIZE	H	H1	HD	DN	L1	D1		weight（kg）
					焊接长	6bar	10bar	
Dn25	476	480	368	28	55	88	113	5
Dn32				34				
Dn40				40				
Dn50	537	566	450	52	80	113	132	7
Dn65	583	630	520	70	90	132	180	13
Dn80	583	630	515	85	90	132	180	13
DN100	662	698	675	104	120	180		15

DIN气动换向截止阀 DIN Pneumatic reversing stop valve

SIZE	H	H1	HD	DN	L1	D1		weight（kg）
					焊接长	6bar	10bar	
1"	476	480	368	25.4	55	88	113	5
1.25"				31.8	55			5
1.5"				38.1	55			5
2"	537	566	450	50.8	80	113		7
2.5"	554	630	520	63.5	90	132	132	13
3"	583	630	515	76.2	90	132	180	13
4"	583	719	675	101.6	120	180	180	16

阀 阵

阀阵应用

- 该阀阵可以将各种功能的容器按一定的标准组件聚集起来，以此来提高系统的工作台效率和控制整个生产过程。阀阵可以自动的选择灵活的软管和偏流器面板来改变弯度，这种自动化的操作安全、灵活、而且见效快。一组阀阵可服务于多条管路，当其他容器在被注入或清空物料的同时，可以对其中的某个容器进行清洗，不会污染到物料。

- 这种方案已经授用于乳品、果汁、饮料、酿酒厂、葡萄酒等食品加工工业，以及化妆品和制药领域。

材质

- 与物料接触部位：AISI316L
- 其他金属部分：执行器、板车、排水板、控制面板AISI 304
- 于物料接触的密封圈：EPDM / 改良EPDM

工作原理

- 根据要执行的功能，这些阀门要和内容器或者工作管道（例如液管道，排泄管道，CIP清洗管道）相连接。无需手动，全部是自动化操作，以避免任何风险事故。

智能控制原理

- 以智能控制头铜管ASI总线，能实现阀阵的状态监控、报警、数据采集、控制转换等功能，并且具有防爆功能。

Application

- The valve array can gather the containers of various functions according to certain standard components to improve the efficiency of the system workbench and control the whole production process.valve array can automatically select flexible hose and deflector panel to change the bending, this automatic operation is safe, flexible, and quick results.a set of valve array can serve multiple pipelines. When other containers are filled or emptied of materials, one of them can be cleaned without contaminating the materials.
- This approach has been applied to food processing industries such as dairy, juice, beverages, breweries and wines, as well as cosmetics and pharmaceuticals.

The material

- Contact position with materials: AISI316L
- Other metal parts: actuator, panel, drain panel, control panel AISI 304
- Seal ring in contact with material: EPDM / Modified EPDM

The working principle of

- Depending on the function to be performed, these valves should be connected to the inner container or working line (e.g. liquid line, drain line, CIP purge line).No manual operation, it is all automatic operation to avoid any risk of accident.

Principle of intelligent control

- The intelligent control of ASI copper tube bus can realize the valve array state monitoring, alarm, data acquisition, control conversion and other functions, and has the explosion-proof function.

Manifold live shot
阀阵实拍

防混双座阀

防混阀应用

- 这种防混阀是高度的卫生双密封阀门。
- 通过两条流体之间的分界面，这种系统可以在两个阀体中实现同步过程，防止了物料被污染的可能性。
- 泄控和检漏器可以通过阀座提升实现自清洗。
- 该防混在食品处理工艺，尤其是饮料、乳制品工业中应用。

工作原理

- 提升型防混通过压缩空气进行自控操作。该阀门未启动操作时时常闭的。
- 该型调门是具有两个独立的阀芯密封件，在正常工作状态时这两个密封件之间就会形成一个与大气相通的泄漏腔。在偶尔可能出现的故障性产品泄露的情况下，产品就会流进这个泄露腔，并且从排出口排放出去。
- 当阀门处于开启状态，该漏腔是闭合的。因此所输送的产品就能够从一条管线流到另一条去。该阀门可以进行CIP清洗，用户有多种CIP和SIP杀菌和清洗模块组合选。（参考清洗杀菌功能选项）
- 清洁系统可对上、下端阀杆以及泄露腔进击清洗，这有助于使该款阀门达到卫生流体工业处理中所要求的高卫生标准。该系统的清洗操作更为高效便捷，可以确保原位清洗（CIP）专用流体的直接冲刷能达到所有表面，而且比较常规清洗系统，其所用的时间更短。
- 用于提升型的所有外设原位清洗（CIP）系统都将高洁净的设计作为标准的配置。高洁净系统的另一项益处就是它允许提升型混阀应用在接近无菌的工况。如果用户将蒸汽送入原位清洗（CIP）管路，则高洁净系统就会构成能够隔绝空气的蒸汽屏障。

设计和特点

- 规格从DN40-1.1/2 " 到DN100-4 "
- 阀门配件有常闭式气动执行器
- 锻造球型阀体
- 可通过阀门底部泄露管是否有液体流出，可判断密封圈是否损坏
- 易拆卸，只要卸掉卡箍即可
- 焊接连接（毫米或英寸）
- 压力平衡设计
- 最大工作压力：10bar
- 最小工作压力：绝对真空
- 工作温度：-10°C到130°C（140°C用于短时期或消毒）
- 压缩空气压力：5.5bar-7bar
- 供气连接：R1/8（BSP）

Application

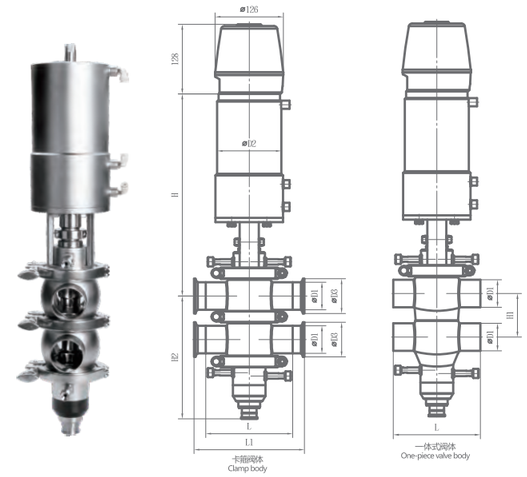
- This anti - mixing setting is the height of the sanitary double - seal valve.
- Through the interface between the two fluids, this system synchronizes the process between the two valve bodies, preventing contamination of the material.
- Cavities and leak detectors can be self - cleaned by seat lift.
- It is used in food processing technology, especially in beverage and dairy industry.

The working principle of

- The lifting type anti - mixing is controlled by compressed air.The valve is often closed before starting operation.
- The valve is equipped with two independent spool seals, in the normal working state between the two seals will form a leakage chamber and the atmosphere.In the event of an occasional faulty product leak, the product will flow into the leak chamber and discharge from the discharge outlet.
- When the valve is open, the leak chamber is closed.So the product can flow from one pipeline to another.The valve can be CIP cleaning, the user has a variety of CIP and SIP sterilization and cleaning module combination.(refer to the cleaning and sterilization function options)
- The cleaning system enables the upper and lower stem as well as the leak chamber to be flushed, which helps the valve to meet the high hygiene standards required in the sanitary fluid industry.The cleaning operation of this system is more efficient and convenient, which can ensure that all surfaces can be directly washed by the special fluid of in situ cleaning (CIP), and it takes less time than the conventional cleaning system.
- All peripheral in situ cleaning (CIP) systems for the elevating type will have a high clean design as standard.Another benefit of the high clean system is that it allows the lift valve to be used in almost aseptic conditions.If the user sends the steam into the in situ cleaning (CIP) line, the high clean system will form a steam barrier to isolate the air.

Design and features

- Specification from DN40-1.1/2 "to DN100-4"
- Valve fittings have normally closed pneumatic actuators
- Forged ball body
- Through the bottom of the valve leakage pipe whether there is a liquid flow, you can determine whether the sealing ring is damaged
- Easy to disassemble, just remove the clamp
- Welded joint (mm or in.)
- Pressure balance design
- Maximum working pressure: 10bar
- Minimum working pressure: absolute vacuum
- Working temperature: - 10 ° C to 130 ° C (140 ° C for short or disinfection)
- Compressed air pressure: 5.5bar-7bar
- Air supply connection: r1/8 (BSP)



无菌防混阀 (DNCH)Mixing proof valve

SIZE	D	D2	D3	H1	H2	H	焊接Welding	卡箍Clamp
							L	L1
1.5"	38.1	118	50.5	70	205	360	100	190
2"	50.8	118	64	80	225	360	160	190
2.4"	53.5	133	77.5	96	265	400	220	248
3"	76.2	133	91	110	280	410	220	248
4"	101.6	168	119	130	340	460	254	290

无菌防混阀 (DNCH)Mixing proof valve

SIZE	D	D2	D3	H1	H2	H	焊接Welding	卡箍Clamp
							L	L1
DN	40	118	50.5	70	205	360	100	190
DN	52.53	118	64	80	225	360	160	190
DN	70	133	91	96	265	400	220	248
DN	55	133	91	110	280	410	220	248
DN100	101.6	168	119	130	340	460	254	290