

D

卫生级止回阀系列
Sanitary check valves series

卫生级止回阀系列
Sanitary check valves series



卫生级止回阀 (RZ)
Sanitary Check Valve(RZ)

应用:

该类型止回阀用于不锈钢管道系统内, 以达到防止流体回流的目的。

工作原理:

止回阀是指依靠介质本身流动而自动开、闭阀瓣的一类阀门, 当阀杆下部的压力超过阀杆上面的压力以及弹簧力时, 止回阀阀瓣就会开启; 当阀杆上下压力平衡时, 止回阀就会关闭, 从而达到介质在管道的单向流动, 阻止液体的倒流, 防止事故发生。

技术数据:

若止回阀被安装在一根垂直的管道内, 开启阀门所需的压力大约为 6Kpa, 最大输送物料压力为 1000Kpa, 使用温度范围为 -10°C-140°C。

材料:

钢制部件: 不锈钢304、不锈钢316L。
密封圈: 硅橡胶 (VMQ) 氟橡胶 (FPM) 三元乙丙 (EPDM)

Application:

A check valve, also called a one-way valve, is a device that allows the flow of fluids to move only in one direction.

Work Principle:

The working principle of the check valve is to allow one-way flow and automatically prevent reverse flow. This type of valve is sensitive to flow and relies on the medium to open and close the valve seat. The inner disc allows the medium to flow forward, thereby forcing the valve to open.

Technical Data:

If the check valve is installed in a vertical pipe, the pressure required to open the valve is about 6 KPa, the maximum conveying material pressure is 1000 KPa, the operating temperature range is -10 °C-140 °C.

Material:

Steel parts: 304 stainless steel, stainless steel 316L.
Seat: VMQ/FPM, EPDM



标注设计:

有各种标准的止回阀系列可向客户提供,即用于DIN标准系列,3A标准系列, SMS标准系列, ISO/IDF标准系列, BS/RJT标准系列, ASME/BPE等标准系列。止回阀的阀体分为两个部分,通过卡箍组装在一起,并用一种特殊密封圈进行密封。一个导向圆片和四个导向杆用来引导弹簧,并配有O型密封圈的阀芯。该类止回阀系列具有焊接式,卡箍式与外螺纹式连接端口,可适配各种管道连接。

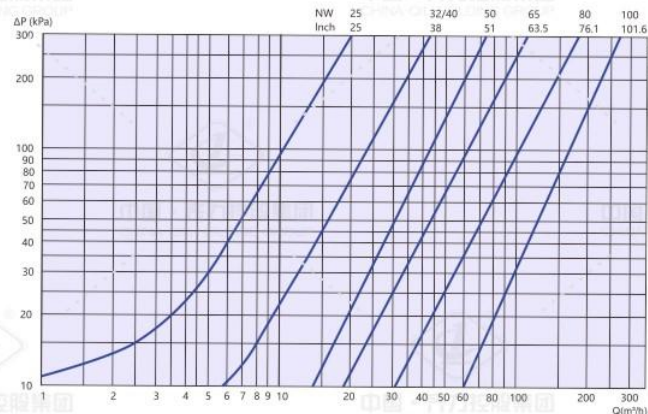
Mark Design:

There are a variety standards of check valves available, namely for Din Standard Series, 3A standard series, SMS Standard Series, ISO/IDF standard series, BS/RJT standard series, ASME/BPE standard series.

The body of the check valve is divided into two parts, which are assembled by clamps and sealed with a special gasket. A guide disc and four guide rods guide the spring with an o-ring spool. The check valve has welded, clamp and male thread connections, suitable for a variety of pipe connections.

处理能力/压力降对比图

Flow Rate Vs. Pressure Drop



Note!

For the diagram the following applies:
Medium: Water (20°C).
Measurement: In accordance with VDI 2173.

注意!

这些曲线图示数据的测定系基于:
介质: 水 (水温20°C)
测量: 符合VDI 2173.



垂直放置显示了最佳内置情况。另外也可水平放置。四个阀锥腿确保了良好的指导线路。

When it's placed vertically, it's on the optimal built-in situation. It can also be placed horizontally. The four guide legs of the valve ensures good alignment.

技术参数 Technical parameter

金属材质 Metallic material	与产品接触的零部件 Parts that contacts with the product	304/316L (1.4306/1.4404) 锻造 304/316L (1.4306/1.4404) forging	可提供材质检测报告单 Material inspection report is available
	不与产品接触的零部件 Parts that are not in contact with the product	304/202 (1.4301/202)	
密封材质 Sealing material	标配 Standard	硅橡胶 CMQ	采用进口密封材料, 所有密封材料符合 FDA 117.2600 Imported sealant. All sealants comply with FDA 117.2600
	选配 other options	三元乙丙 EPDM/氟橡胶 (FPM)	
压力 Pressure	工作压力 Working pressure	0~10bar	
温度 Temperature	工作温度 Operating temperature	VMQ: (-50~+180°C) EODM: (-20~+135°C) FPM: (-30~+230°C)	
	灭菌温度 Sterilization temperature	150°C (MAX 20min)	
表面处理 Surface treatment	内表面处理 Inner surface treatment	Ra≥0.4-0.8μm	
	外表面处理 External surface treatment	Ra≥0.8-1.6μm	
连接方式 Connection	焊接端管径 Diameter of welded end pipe	焊接口: DIN 11850-2 与 11850-1/SMS/3A/ISO/等系列 Welding interface: Din 11850-2 and 11850-1/SMS/3A/ISO/etc.	
	连接方式 焊接、软管螺纹、内螺纹、法兰等	Connection: welding, fitting thread, internal thread, Flange, etc.	

提阀的体积流量单位时间内流过阀间某恒
流面积的流体体积

体积流量: 立方米/小时 (m³/h) 详细技术数据请参阅 (下页)
Volume flow: m³/h (m³ please refer to the next page for detailed technical data)

D 卫生级止回阀

Sanitary check valve



高洁净流体设备阀门及管道连接部件
解决方案专业制造商
PROFESSIONAL MANUFACTURER OF
SANITARY FLUID VALVE & PIPE FITTING SOLUTIONS

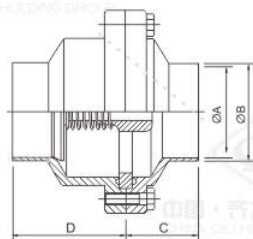
D 卫生级止回阀

Sanitary check valve



Check Valve Middle Flange/weld End

No.QL-001



SIZE	ΦA	ΦB	C	D
1"	22.1	25.4	38	59
1.5"	34.8	38.1	38	59
2"	47.5	50.8	38	59
2.5"	60.2	63.5	38	59
3"	72.9	76.2	38	59
4"	97.6	101.6	44	50

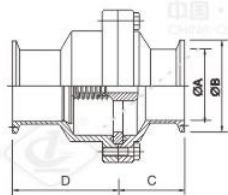
SMS	ΦA	ΦB	C	D
DN25	22.5	25	38	59
DN38	35.5	38	38	59
DN50	48.5	51	38	59
DN63	60.3	63.5	38	59
DN76	72.1	76.1	38	59
DN100	100	104	44	50

DIN	ΦA	ΦB	C	D
DN25	25	28	38	59
DN32	31	34	38	59
DN40	37	40	38	59
DN50	49	52	38	59
DN65	66	70	38	59
DN100	100	104	44	50



Check Valve Middle Flange/weld End

No.QL-002



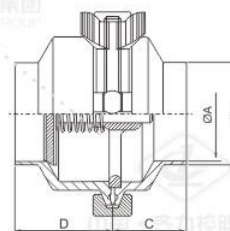
SIZE	ΦA	ΦB	C	D
1"	22.1	50.5	50.7	71.7
1.5"	34.8	50.5	50.7	71.7
2"	47.5	64	50.7	71.7
2.5"	60.2	77.5	50.7	71.7
3"	72.9	91	50.7	71.7
4"	97.6	119	59.9	65.9

SMS	ΦA	ΦB	C	D
DN25	22.5	50.5	50.7	71.7
DN38	35.5	50.5	50.7	71.7
DN50	48.5	64	50.7	71.7
DN63	60.3	77.5	50.7	71.7
DN76	72.1	91	50.7	71.7
DN100	100	119	59.9	65.9



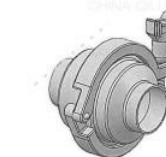
Check Valve Middle Clamp /weld End

No.QL-003



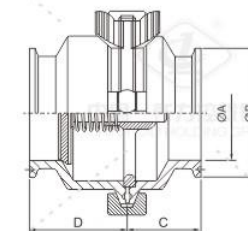
SIZE	ΦA	ΦB	C	D
1/2"	9.4	12.7	22	35
3/4"	15.75	19.05	22	35
1"	22.1	25.4	30.5	47.5
1.5"	34.8	38.1	30	50
2"	47.5	50.8	30	58
2.5"	60.2	63.5	37	58
3"	72.9	76.2	36	70
4"	97.6	101.6	37	68

DIN	ΦA	ΦB	SMS	ΦA	ΦB	C	D
DN25	25	28	DN25	22.5	25	30.5	47.5
DN32	31	34	DN38	35.5	38	30	50
DN40	37	40	DN50	48.5	51	30	58
DN50	49	52	DN63	60.3	63.5	37	58
DN65	66	70	DN76	72.1	76.1	36	70
DN100	100	104	DN100	100	104	37	68



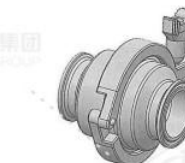
Check Valve Middle Clamp /Clamp End

No.QL-004



SIZE	ΦA	ΦB	C	D
1/2"	9.4	25.2	38.1	50.2
3/4"	15.75	25.2	38.1	50.2
1"	22.1	50.5	43	60
1.5"	34.8	50.5	42.5	62.5
2"	47.5	64	42.5	70.5
2.5"	60.2	77.5	49.5	70.5
3"	72.9	91	48.5	82.5
4"	97.6	119	52.7	83.7

DIN	ΦA	ΦB	SMS	ΦA	ΦB	C	D
DN25	25	50.5	DN25	22.5	50.5	44	60.8
DN32	31	50.5	DN38	35.5	50.5	48	68
DN40	37	50.5	DN50	48.5	64	50	78
DN50	49	64	DN63	60.3	77.5	57.8	78.8
DN65	66	91	DN76	72.1	91	60.8	94.8
DN100	100	119	DN100	100	119	87.7	118.7



3A	ΦA	ΦB	C	D
1/2"	9.4	25.2	38.1	50
3/4"	15.75	25.2	38.1	50
1"	22.1	50.5	43	61
1.5"	34.8	50.5	47.2	68
2"	47.5	64	49.8	78
2.5"	60.2	77.5	57.7	78
3"	72.9	91	60.3	94.5
4"	97.6	119	87.3	118.3

D 卫生级止回阀系列

D 卫生级止回阀系列

D 定制阀门/发明专利产品

Customized products



高洁净流体设备阀门及管道连接部件
解决方案专业制造商
PROFESSIONAL MANUFACTURER OF
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Sanitary check valve

管道适配器 Pipe adapters

No.QL-001

SIZE	ΦA±0.12	ΦB±0.12	L1±0.5	L2±0.5
3"	91	72.9	463.6	291.3
4"	119	97.4	520.7	314.4



管道适配器
Pipe adapters

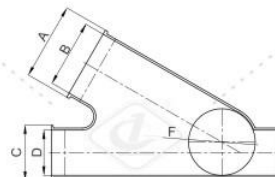


管道适配器的配件
Assembly for pipe adapters

Y型浮球止回阀 Y-type floating check valve

No.QL-005

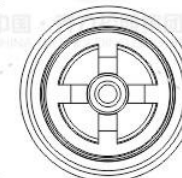
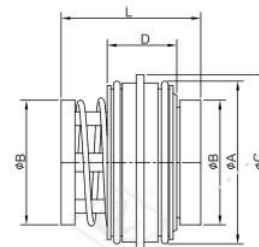
SIZE	A	B	C	D	F
1.5"	64	47.6	50.5	34.9	41
2"	77.5	60.3	64	47.6	54
2.5"	119	90.5	77.5	60.3	90
3"	130	106	91	72.9	104
4"	166.88	146.8	119	97.4	144



管道内止回阀 Sanitary Cartridge Valve

No.QL-006

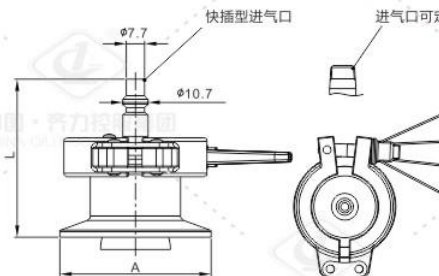
SIZE	A	B	C	D	E
1.5"	35.3	27	38	15.2	30.5
2"	47.9	35	50.6	20	35



空气止回阀 Air Check Valve

No.QL-007

SIZE	A	L±1
1" & 1 1/2"	50.50	66.50
2"	64	66.50
2 1/2"	77.50	66.50
3"	91	66.50
4"	119	66.50
6"	168	66.50



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Sanitary check valve series

D 卫生级止回阀系列
Sanitary check valve series

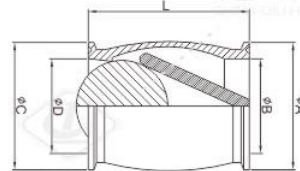
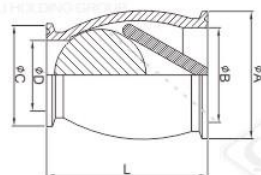
D 卫生级止回阀 Sanitary check valve



浮动球止回阀 Floating ball check valve

No.QL-008

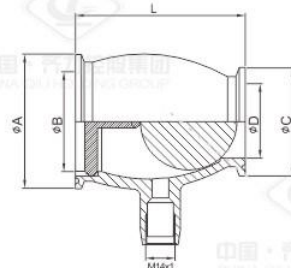
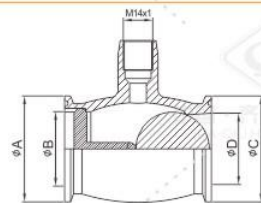
SIZE	ΦA ±0.12	ΦB ±0.12	C ±0.12	D ±0.12	L ±0.5
2"X1.5"	64	47.6	50.5	35.5	81
2"	64	47.6	64	47.5	81



浮动球止回阀-带嘴 Floating ball check valve

No.QL-009

SIZE	ΦA ±0.12	ΦB ±0.12	C ±0.12	D ±0.12	L ±0.5
1.5"	50.5	35.5	50.5	34	70
2"X1.5"	64	47.6	50.5	35.5	81



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