

截止换向阀

Stop And Reversing Valve

YODSN 永德信®



截止换向阀

Stop And Reversing Valve

应用 / Applications

▪ 该换向阀是一种卫生级单座、双座气动操作阀门，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应用。

▪ The stop and reversing valve is a kind of hygienic single/Two-seater-seat valve pneumatically, which is applied to a wide range of application in the food-processing industry, beverage production, pharmaceutical and fine chemicals industries.

工作原理 / Operating principles

▪ 该换向阀系列是通过压缩空气进行遥控操作的。通过控制阀芯的相对位置来，开启或关闭阀门的目的，改变介质流向（换向式）。

▪ 手动截止单座阀系列通过手柄的操控，改变介质流向（换向式）。

▪ The divert seat valv series is remotely operated by compressed air. By the relative position of the control valve to open or close the purposes of the valve, changing the medium flow (commutated).

▪ Manual shut-off valve series through the handle single-seat control, change the media flow (commutated)

技术参数 / Technical Data

- 最大产品压力: 1000kpa (10bar)
- 最小产品压力: 完全真空
- 温度范围: $-10^{\circ}\text{C}\sim 135^{\circ}\text{C}$ (使用EPDM材质的密封圈)
- 气压: 400至800 kpa (4-8 bar)
- Maximum product pressure: 1000kpa (10bar)
- Minimum product pressure: full vacuum
- Temperature range: $-10^{\circ}\text{C}\sim 135^{\circ}\text{C}$ (use EPDM seal material)
- Pressure: 400 至 800 kpa (4-8 bar)

执行装置的功能 / Actuator function

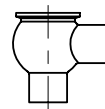
- 通过气动方式向下运动，弹簧复位。
- 通过气动方式向上运动，弹簧复位。
- 通过气动方式向上和向下运动 (A/A)。
- downward movement by pneumatic actuator, spring reset
- up movement by pneumatic actuator, spring reset
- up or downward movement by pneumatic actuator



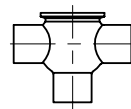
材料 / Materials

- 产品过流钢制部件: 304/316L
- 其他钢质部件: 304
- 接触输送物料的密封件: EPDM
- 内表面处理: $Ra \leq 0.4 \mu\text{m}$
- 外表面处理: 喷砂、抛光
- Product wetted steel parts: 304/316L
- Other steel parts: 304
- Seals : EPDM
- Internal surface finish: $Ra \leq 0.4 \mu\text{m}$
- External surface finish:sand blasting, polishing

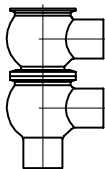
阀体组合 / Valve body combination



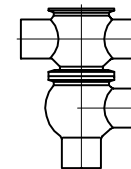
20型



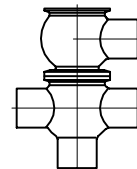
30型



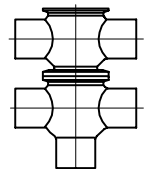
21型



22型



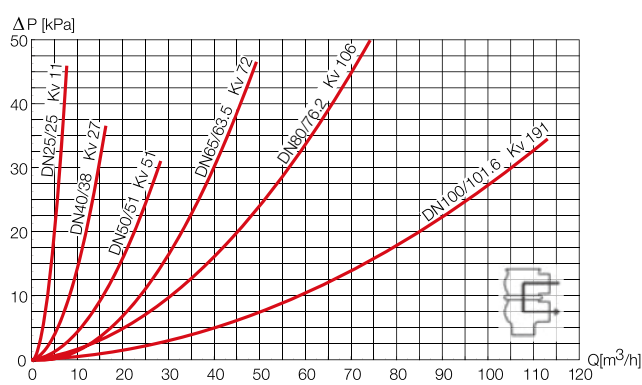
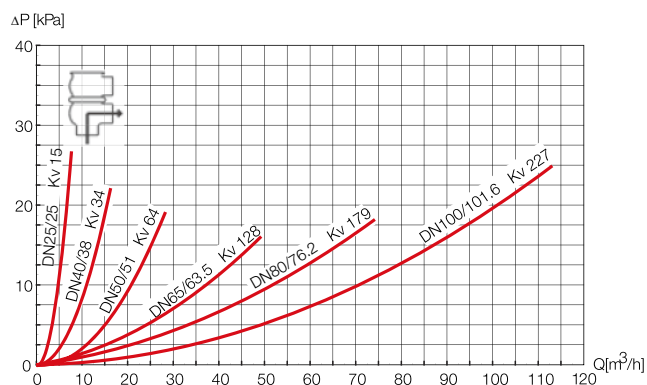
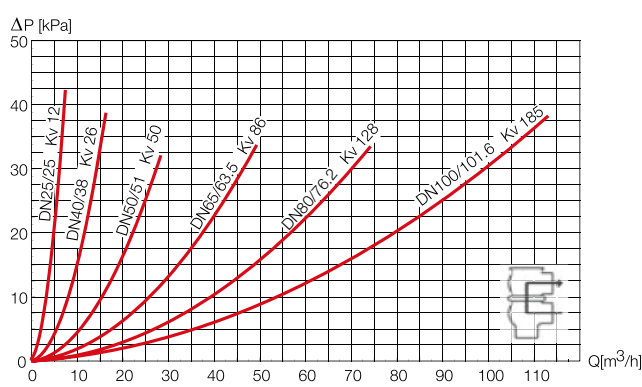
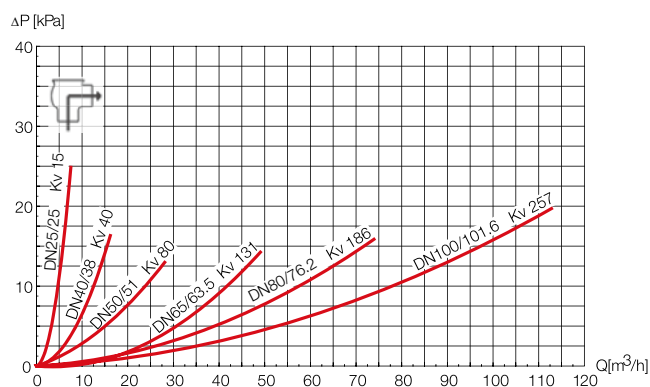
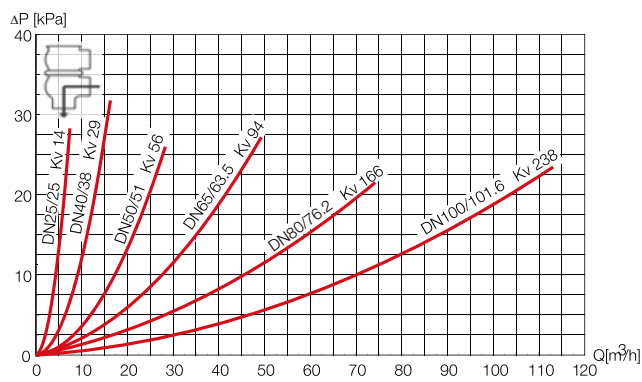
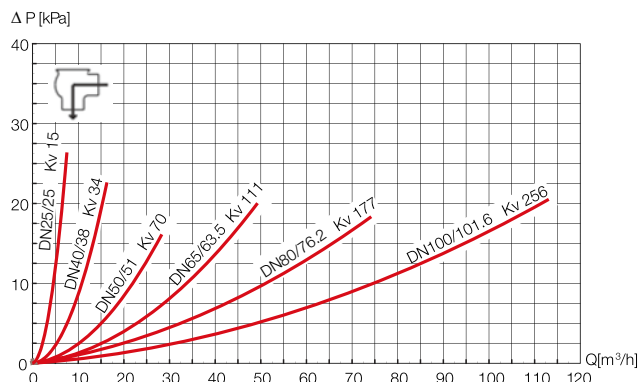
31型



32型

处理能力 / 压力降对比图

Capacity/Pressure Drop Diagrams



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

Note!

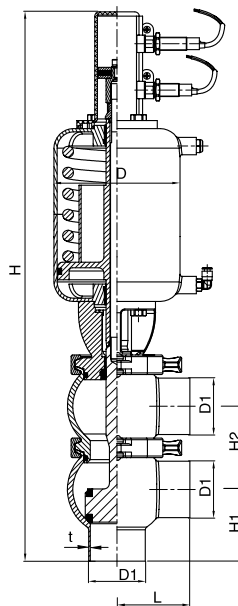
The profile data base on:

Medium: Water (20° C).

Measurement: In accordance with VDI 2173.

气动截止换向阀 (双座)

Pneumatic Stop And Reversing Valve (Double Seat)



NO.1108001

DIN

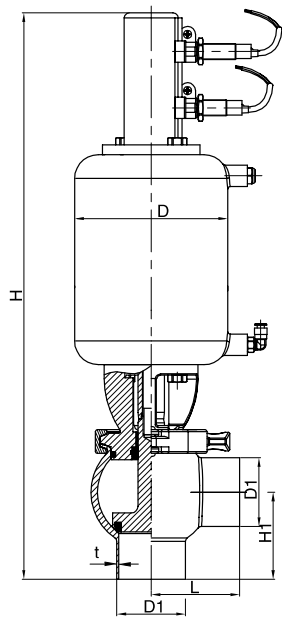
SIZE	H	H1	H2	T	D1	D	L
DN25	360.5	51.5	53.5	1.5	28	87.5	49.3
DN32	490	64	68	1.5	34	87.5	61.8
DN40	490	64	68	1.5	40	87.5	61.8
DN50	530	69	75	1.5	52	115	72.5
DN65	556	76.35	91.5	2.0	70	115	79.5
DN80	620	98	112	2.0	85	133	98
DN100	660	111	132	2.0	104	173	111

INCH

SIZE	H	H1	H2	D1	T	D	L
1"	360.5	51.5	53.5	25.4	1.5	87.5	49.3
1 1/4"	490	64	68	31.8	1.5	87.5	61.8
1 1/2"	490	64	68	38.1	1.5	87.5	61.8
2"	530	69	75	50.8	1.5	115	72.5
2 1/2"	556	76.5	91.5	63.5	2.0	115	79.5
3"	600	90	105	76.2	2.0	133	90
3 1/2"	615	98	112	89	2.0	133	98
4"	660	111	132	101.6	2.0	173	111

气动截止换向阀（单座）

Pneumatic Stop And Reversing Valve (Single Seat)

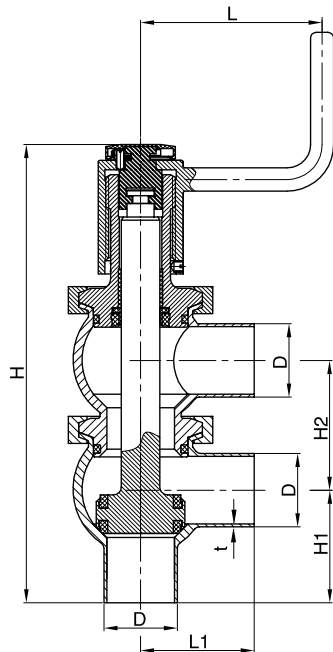


NO.1108002

DIN						
SIZE	H	H1	T	D1	D	L
DN25	360	51.5	1.5	28	87.5	49.3
DN32	360	64	1.5	34	87.5	61.8
DN40	360	64	1.5	40	87.5	61.8
DN50	400	69	1.5	52	115	72.5
DN65	410	76.5	2.0	70	115	79.5
DN80	525	98	2.0	85	133	98
DN100	550	111	2.0	104	173	111

INCH						
SIZE	H	H1	T	D	D1	L
1"	360	51.5	1.5	87.5	25.4	49.3
1 1/4"	360	64	1.5	87.5	31.8	61.8
1 1/2"	360	64	1.5	87.5	38.1	61.8
2"	400	69	1.5	115	50.8	72.5
2 1/2"	410	76.5	2.0	115	63.5	79.5
3"	525	90	2.0	133	76.2	92
3 1/2"	525	98	2.0	133	89	98
4"	550	111	2.0	173	101.6	111

手动截止换向阀（双座） Manual Stop And Reversing Valve (Double Seat)



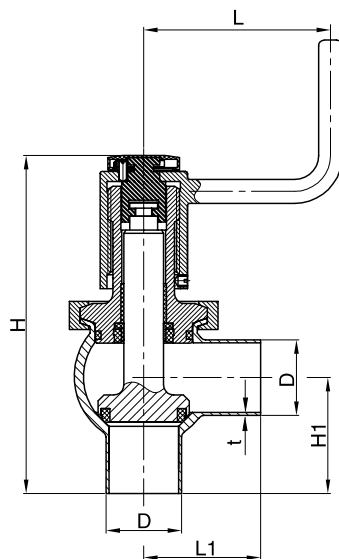
NO.1108003

DIN							
SIZE	H	H1	H2	t	D	L	L1
DN25	242	51.5	53.5	1.5	28	80	49.3
DN32	260	64	68	1.5	34	80	61.8
DN40	260	64	68	1.5	40	80	61.8
DN50	276	69	75	1.5	52	80	72.5
DN65	296.5	76.5	91.5	2.0	70	90	79.5
DN80	340	98	112	2.0	85	90	98
DN100	405	111	132	2.0	104	100	111

INCH							
SIZE	H	H1	H2	t	D	L	L1
1"	242	51.5	53.5	1.5	25.4	80	51.5
1 1/4"	248	64	68	1.5	31.8	80	64
1 1/2"	248	64	68	1.5	38.1	80	64
2"	276	69	75	1.5	50.8	80	69
2 1/2"	296.5	76.5	91.5	2.0	63.5	90	76.5
3"	340	90	105	2.0	76.2	90	90
3 1/2"	348	98	112	2.0	89	90	98
4"	405	111	132	2.0	101.6	100	111

手动截止换向阀（单座）

Manual Stop And Reversing Valve(Single Seat)



NO.1108004

DIN

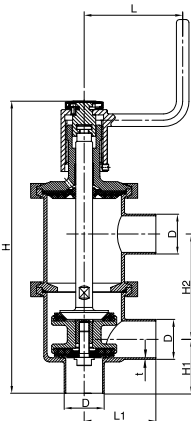
SIZE	H	H1	t	D	L	L1
DN25	173	51.5	1.5	28	80	49.3
DN32	173	64	1.5	34	80	61.8
DN40	173	64	1.5	40	80	61.8
DN50	190	69	1.5	52	80	72.5
DN65	212	76.5	2.0	70	90	79.5
DN80	240	98	2.0	85	90	98
DN100	254	111	2.0	104	100	111

INCH

SIZE	H	H1	t	D	L	L1
1"	173	51.5	1.5	25.4	80	49.3
1 1/4"	173	64	1.5	31.8	80	61.8
1 1/2"	173	64	1.5	38.1	80	61.8
2"	190	69	1.5	50.8	80	72.5
2 1/2"	212	76.5	2.0	63.5	90	79.5
3"	240	90	2.0	76.2	90	90
3 1/2"	240	98	2.0	89	90	98
4"	254	111	2.0	101.6	100	111

手动截止换向阀

Manual Stop And Reversing Valve



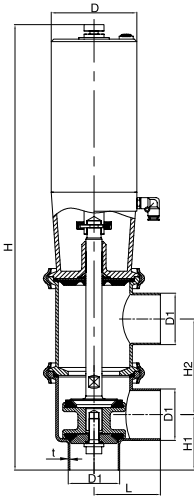
NO.1108005

DIN							
SIZE	H	H1	H2	t	D1	L	L1
DN25	245	44	71	1.5	28	90	55
DN32	245	48.5	101.5	1.5	34	90	66
DN40	245	48.5	101.5	1.5	40	90	66
DN50	245	55	101.5	1.5	52	90	66
DN65	326	72	128	2.0	70	90	89.5
DN80	405	79	128	2.0	85	90	126

INCH					
SIZE	H	H1	D	L	L1
1"	245	44	25.4	90	55
1 1/4"	245	48.5	31.8	90	66
1 1/2"	245	48.5	38.1	90	66
2"	245	55	50.8	90	66
2 1/2"	326	72	63.5	90	89.5
3"	345	79	76.2	90	92.5
3 1/2"	405	102.5	89	90	126

气动截止换向阀

Pneumatic Stop And Reversing Valve



NO.1108006

DIN							
SIZE	H	H1	H2	t	D1	D	L
DN25	455	44	71	1.5	28	86	55
DN32	455	48.5	101.5	1.5	34	86	66
DN40	455	48.5	101.5	1.5	40	86	66
DN50	455	55	101.5	1.5	52	86	66
DN65	515	76	128	2.0	70	86	89.5
DN80	570	79	128	2.0	85	133	82.5
DN100	687	105	157	2.0	104	133	126

INCH						
SIZE	H	H1	H2	D	D1	L
1"	455	44	71	86	25.4	55
1 1/4"	455	48.5	101.5	86	31.8	66
1 1/2"	455	48.5	101.5	86	38.1	66
2"	455	55	101.5	86	50.8	66
2 1/2"	515	72	128	86	63.5	89.5
3"	570	79	128	133	76.2	92.5
3 1/2"	615	102.5	131	133	89	126