

卫生蝶阀

Sanitary Butterfly Valve

YODSN 永德信®



卫生蝶阀 Sanitary Butterfly Valve

应用 / Applications

- 该系列蝶阀是一款卫生型、自动或手动操作的蝶阀，适合于不锈钢管道系统内的各类应用。
- This series is sanitary butterfly valve operated by pneumatic or manual used for stainless steel pipeline system.

工作原理 / Operating Principles

- 该系列蝶阀既可通过一个气动头进行遥控操作，也可以通过一个手柄进行手动操作。
- 执行器有三种标准款型，即常闭(NC)型，常开(NO)型和空气/空气(A/A)型。
- 执行器将一个活塞的轴向运动转换为阀门轴的90° 旋转运动。当阀门体内的圆形蝶片接触到蝶阀的密封圈上时，执行器的扭矩增大，关闭阀门
- 选择不同的手动操作作用的手柄可将阀门机械式锁定在开启、关闭、中间或其它的位置上。实现对流量进行调节。
- This series butterfly valve is either remote-controlled by means of an actuator or manually operated by means of a handle.
- The actuator is made in three standard versions, normally closed (NC), normally open (NO) and air/air activated (A/A).
- The actuator is designed so that an axial movement of a piston is transformed into a 90° rotation of a shaft. The torque of the actuator is increased when the valve disc contacts the seal ring of the butterfly valve. valve is closed.
- Selected The handle for manual operation mechanically can lock the valve in open, close, middle or other positions to control the flow rate.

选项 / Options

- 手柄：二定位，三定位，四定位拉杆手柄，多位塑料手柄，多位不锈钢手柄
- 执行器：不锈钢气动执行器，铝制气动执行器，电动执行器
- Handle: two-position handle, three-position handle, four position pull rod handle, multi-position plastic handle and multi-position stainless steel handle
- Actuator: pneumatic stainless steel actuator, pneumatic aluminum actuator, electric actuator



技术参数 Technical Data

金属材料 Material	产品过流钢制部件 Product wetted steel parts	304/316L
	其他钢制部件 Other steel parts	304
	可提供 EN 10204 3.1B 证书 Provide EN 10204 3.1B certificate	
密封材质 Seal material	标配 standard	EPDM
	选配 option	FPM, Silicone, NBR
	采用进口密封材料, 所有密封材质均符合 FDA 177.2600 All seal materials comply with FDA 177.2600	
温度 Temperature	工作温度 Working temperature	-20~+135℃ (EPDM)
	灭菌温度 Sterilization temperature	150℃ (MAX 20min)
压力 Pressure	工作压力 Working pressure	0~10bar
	控制气源压力 Control air pressure	5~8bar
表面处理 Surface treatment	内表面处理 Internal surface	Ra ≤ 0.8 μm
	外表面处理 External surface	Ra ≤ 1.6 μm
连接 Connection	连接标准 Connection standard	DIN, SMS, RJT, ISO, IDF, 3A
	连接方式: 焊接、快装、螺纹、法兰等 Connection method: welding、thread、clamp、flange	
操作方式 Operate modes	手柄 Handle	二定位, 三定位, 四定位拉杆手柄, 多位塑料手柄, 多位不锈钢手柄 Handle: two-position handle, three-position handle, four position pull rod handle, multi-position plastic handle and multi-position stainless steel handle
	执行器 Actuator	不锈钢气动执行器, 铝制气动执行器, 电动执行器 pneumatic stainless steel actuator, pneumatic aluminum actuator, electric actuator
选配 Option	智能控制器 Intelligent controller	24V DC
		1/2 个电磁阀 1/2 electromagnetism valve
	位置传感器 Position sensor	24V DC
		2 只 NPN 或 PNP 位置传感器 2 NPN/PNP position sensor

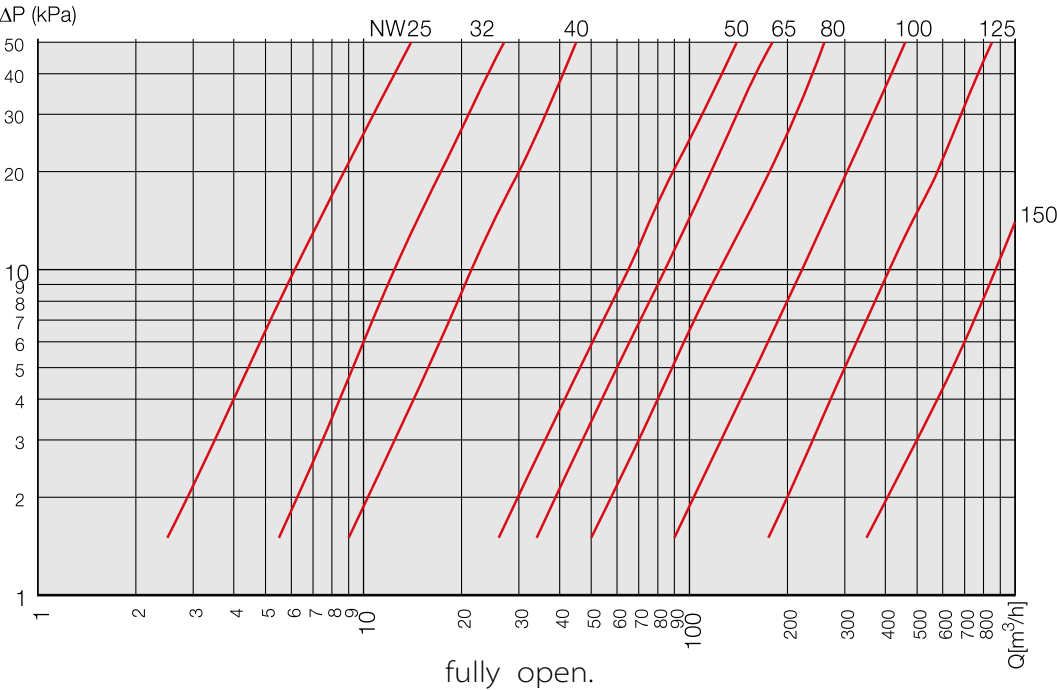
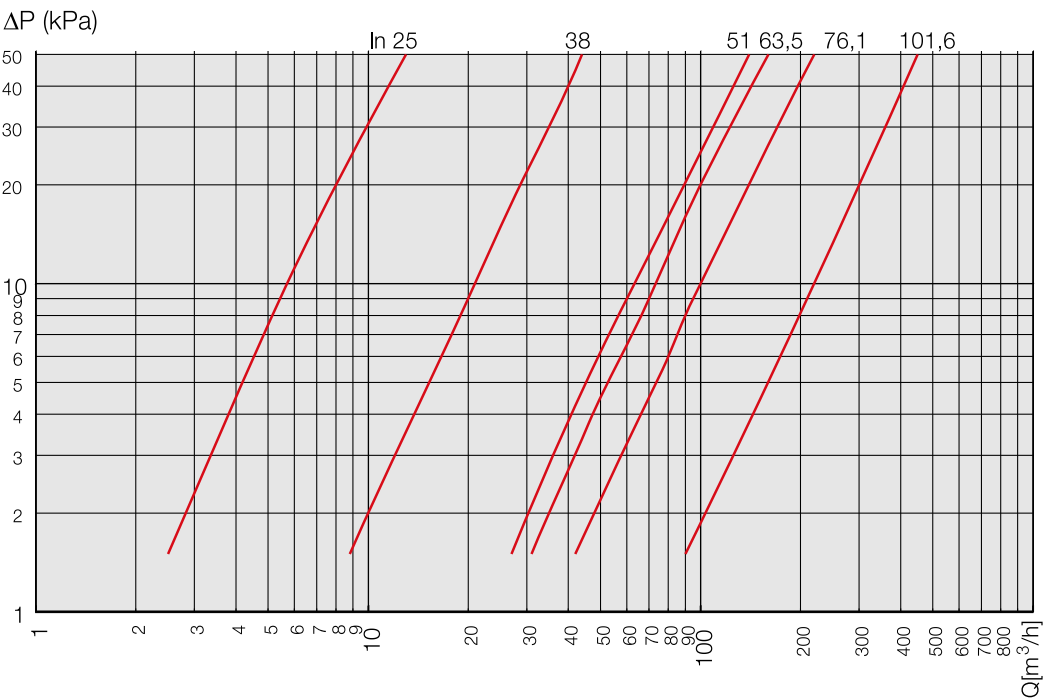
操作扭矩 Operating Torque (N.m.)

操作扭矩 [N.M] OPERATING TORQUE [N.M]	25-1"	40-1 1/2"	50-2	2 1/2"	65	3"	80	100-4"	125	150
	3	4	5	10	12	14	18	25	40	55

在压力10Kgrs/cm²下检测 Detect under pressure of 10Kgrs/cm²

处理能力/压力降对比图

Capacity/Pressure Drop Diagrams

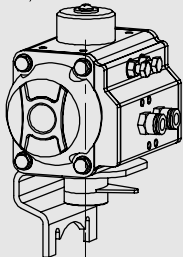


注意!
 这些曲线图示数据的测定系基于:
 介质: 水(水温20℃)
 测量: 符合VDI 2173.

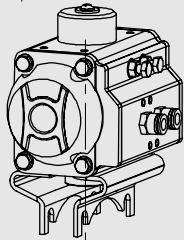
NOTE!
 The profile data base on:
 Medium: Water (20° C).
 Measurement: In accordance with VDI 2173.

不同的驱动方式和手柄款式 / Different Ways Of Drive And Styles Of Handle

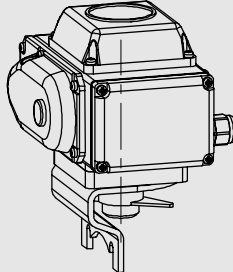
铝制气动执行器(单支架)
Aluminum pneumatic actuator(single bracket)



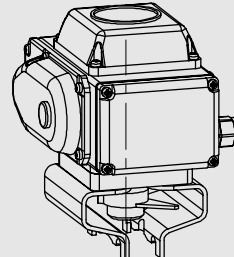
铝制气动执行器(双支架)
Aluminum pneumatic actuator(double bracket)



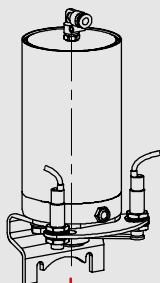
电动执行器(单支架)
Electric actuator(single bracket)



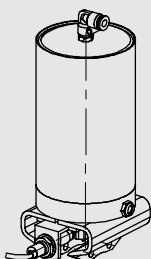
电动执行器(双支架)
Electric actuator(double bracket)



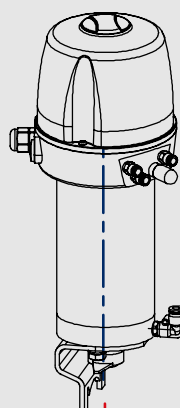
感应气动执行器(单支架)
(单作用、双作用)
Sensor pneumatic actuator(single bracket)
(single effect, double effect)



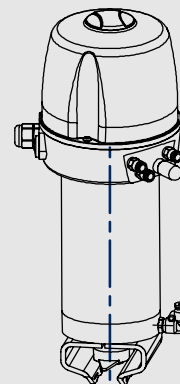
感应气动执行器(双支架)
(单作用、双作用)
Sensor pneumatic actuator(double bracket)
(single effect, double effect)



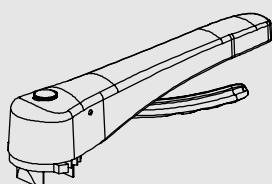
智能气动执行器(单支架)
(单作用、双作用)
Intelligent pneumatic actuator(single bracket)
(single effect, double effect)



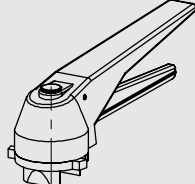
智能气动执行器(双支架)
(单作用、双作用)
Intelligent pneumatic actuator(double bracket)
(single effect, double effect)



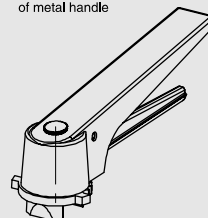
A1 塑料手柄
A1 of plastic handle



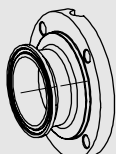
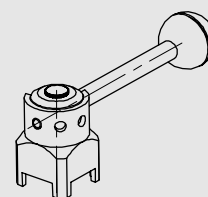
A3 塑料手柄
A3 of plastic handle



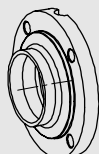
A2 金属手柄
A2 of metal handle



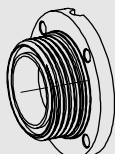
B2 金属杠杆手柄
B2 metal bevel handle



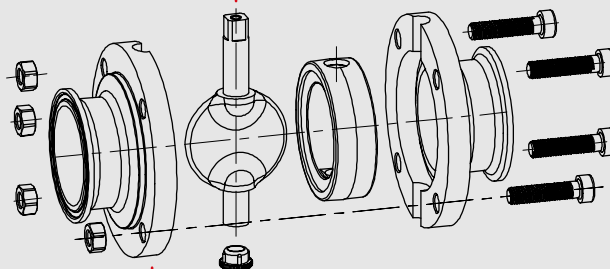
卡箍
clamp



焊接
weld

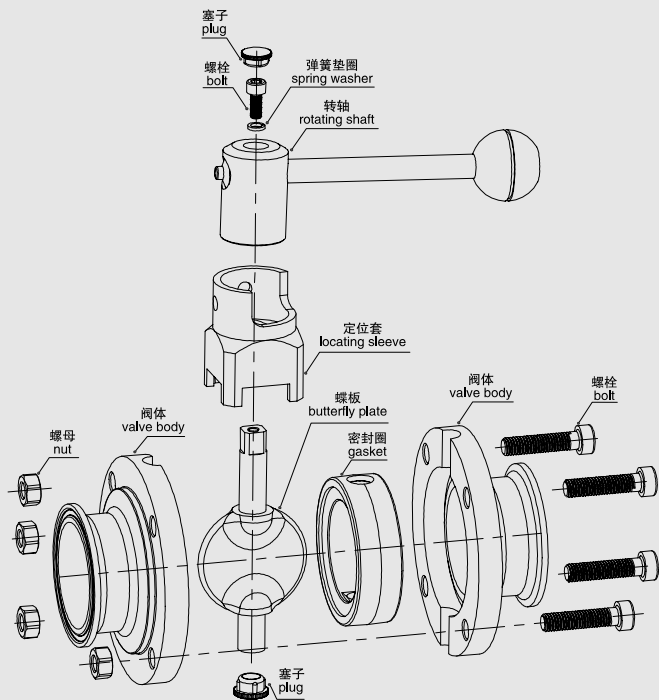
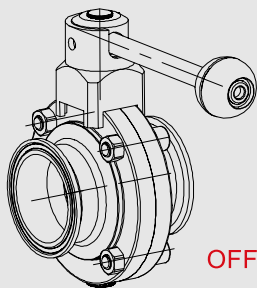
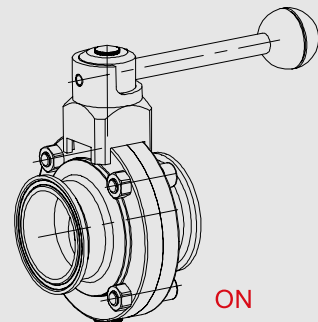


外螺纹
male thread

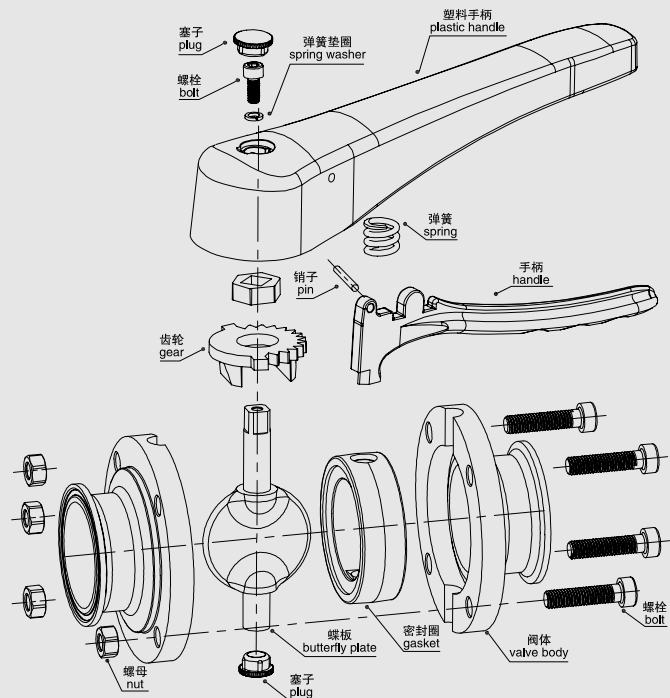
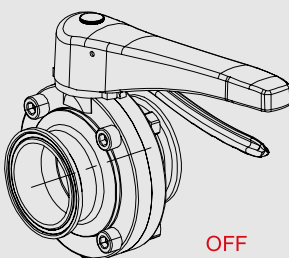
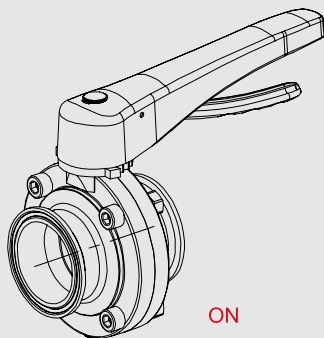


可供选择的连接方式
May provide alternative connection way

拉杆手柄蝶阀 / Butterfly Valve With Pull Rod Handle

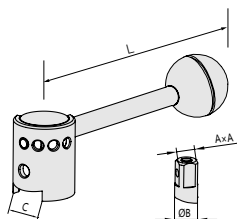
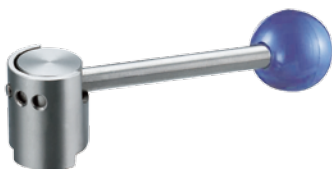


C型多位手柄蝶阀 / C Type Of Butterfly Valve With Multi-Position Handle



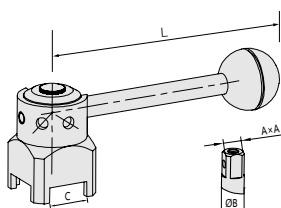
蝶阀手柄系列

Butterfly Valve Handle Series



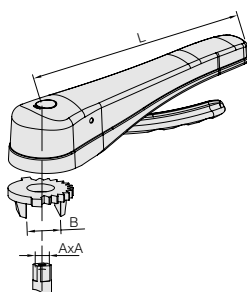
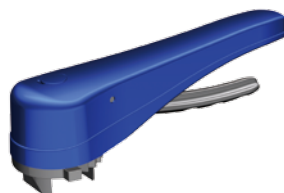
B1 圆头拉式手柄
B1 Round pulling handle

SIZE	A	B	C	L
DN25-DN50 1"-2"	8X8	12	20	138
DN65-DN100 2.5"-4"	10X10	14	22	146
DN125-DN150 5"-6"	12X12	15	26	220



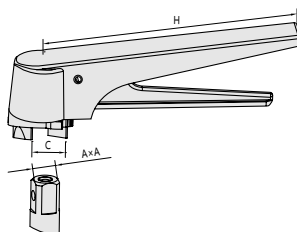
B2 方头拉式手柄
B2 Square pulling handle

SIZE	A	B	C	L
DN25-DN50 1"-2"	8X8	12	20	126
DN65-DN80 2.5"-3"	10X10	12	22	145
DN100 3.5"-4"	10X10	16	26	230



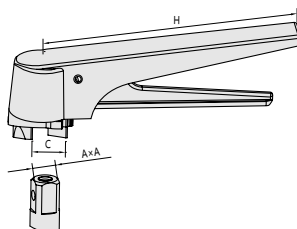
A1 多定位钳式手柄
A1 Multi-position handle

SIZE	B	L	A
DN10-DN40 $\Phi 19 \sim \Phi 45$ 1/2"-1 1/2"	20.2	144	8 × 8
DN50 $\Phi 48 \sim \Phi 51$ 2"	20.2	144	8 × 8
DN65 $\Phi 63 \sim \Phi 76$ 2 1/2"-3"	22.2	160	10 × 10
DN80-DN100 $\Phi 89 \sim \Phi 108$ 3 1/2"-4"	22.2	160	10 × 10



A2 不锈钢多位手柄
A2 Stainless steel multi-position handle

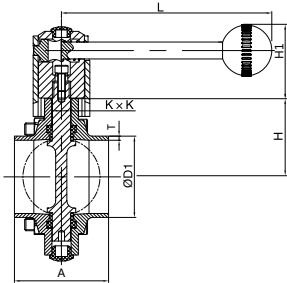
SIZE	A	C	H
DN25-DN50 1"-2"	8X8	20	117
DN65-DN100 2.5"-4"	10X10	22	145



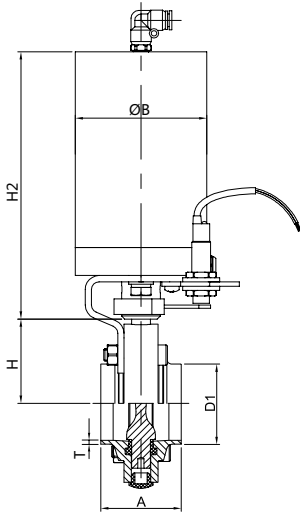
A3 塑料多位手柄
A3 Stainless steel multi-position handle

SIZE	A	B	C	H
DN25-DN50 1"-2"	8X8	11.8	20.2	116
DN65-DN100 2.5"-4"	10X10	11.8	22.2	152

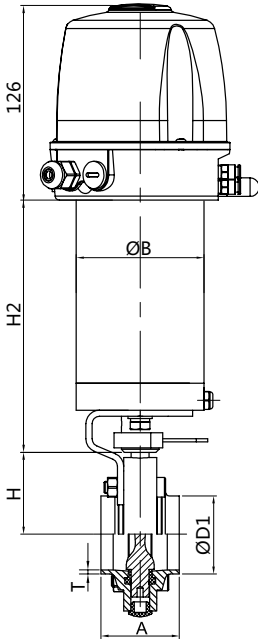
焊接蝶阀 Welded Butterfly Valve



手动焊接蝶阀
Manual welded butterfly valve
NO.1101001



不锈钢气动焊接蝶阀
SS pneumatic welded butterfly valve
NO.1101002

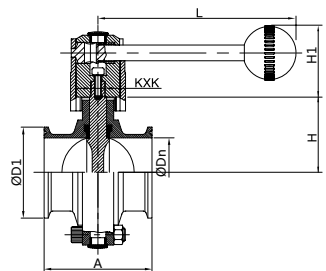


带智能头不锈钢气动焊接蝶阀
SS pneumatic welded butterfly valve with C-top
NO.1101003

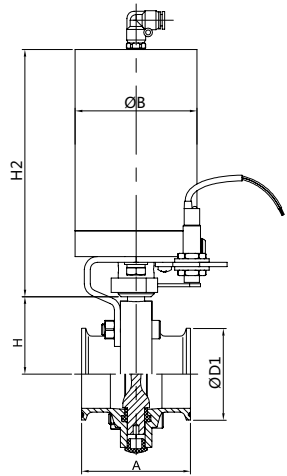
DIN								
SIZE	D1	T	L	H	H1	H2	B	A
DN15	18	1.5	138	40	43	165	86	50
DN20	22	1.5	138	40	43	165	86	50
DN25	28	1.5	138	40	43	165	86	50
DN32	34	1.5	138	42.6	43	165	86	50
DN40	40	1.5	138	45	43	165	86	50
DN50	52	1.5	138	56.2	43	165	86	52
DN65	70	2.0	146	64.5	48	165	86	58
DN80	85	2.0	146	71	48	165	86	64
DN100	104	2.0	158	81.8	50	165	86	66
DN125	129	2.0	230	95.5	52.5	202	108	74
DN150	154	2.0	230	112.5	52.5	307	133	80
DN200	204	2.0	280	145	52.5	307	133	90

INCH								
SIZE	D1	T	L	H	H1	H2	B	A
3/4"	19.1	1.5	138	40	43	165	86	50
1"	25.4	1.5	138	40	43	165	86	50
1 1/4"	31.8	1.5	138	40.8	43	165	86	50
1 1/2"	38.1	1.5	138	44.8	43	165	86	50
48	48	1.5	138	48.5	43	165	86	50
2"	50.8	1.5	138	51.3	43	165	86	50
2 1/2"	63.5	2.0	146	61	48	165	86	56
3"	76.2	2.0	146	68	48	165	86	60
3 1/2"	89	2.0	146	73.4	48	165	86	62
4"小	101.6	2.0	146	79.8	50	165	86	66
133	133	3.0	230	94.5	52.5	202	108	80
159	159	3.0	230	110	52.5	307	133	80
219	219	4.0	280	145	52.5	307	165	86

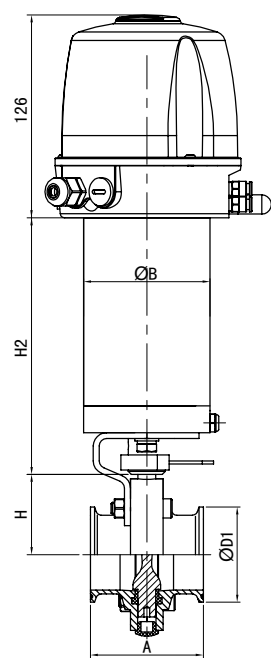
卡箍蝶阀
Clamped Butterfly Valve



手动快装蝶阀
Manual clamped butterfly valve
NO.1101004



不锈钢气动快装蝶阀
SS pneumatic clamped butterfly valve
NO.1101005



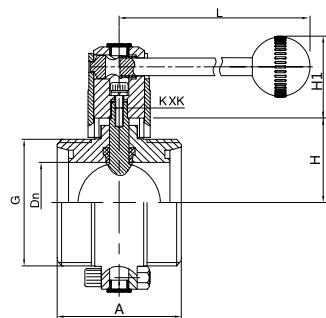
带智能头不锈钢气动快装蝶阀
SS pneumatic clamped butterfly valve with C-top
NO.1101006

DIN								
SIZE	Dn	D	L	H	H1	H2	B	A
DN15	15	34	138	40	43	165	86	50
DN20	19	34	138	40	43	165	86	50
DN25	25	50.5	138	40	43	165	86	50
DN32	31	50.5	138	42.6	43	165	86	50
DN40	37	50.5	138	45	43	165	86	50
DN50	49	64	138	56.2	43	165	86	52
DN65	66	91	146	64.5	48	165	86	58
DN80	81	106	146	71	48	165	86	64
DN100	100	119	146	81.8	50	165	86	66
DN125	125	155	230	95.5	52.5	307	108	74
DN150	150	183	230	112.5	52.5	307	133	80
DN200	200	233.5	280	145	52.5	307	165	90

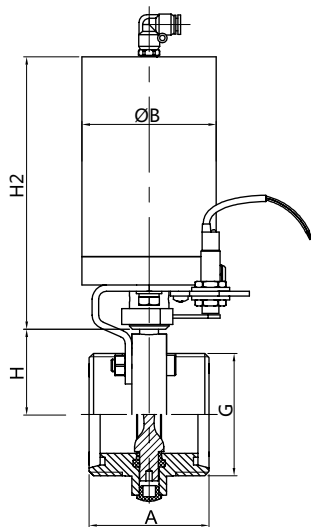
INCH								
SIZE	Dn	D1	L	H	H1	H2	B	A
3/4"	16.1	25.4	138	40	43	165	86	68
1"	22.4	50.5	138	40	43	165	86	68
1 1/4"	28.8	50.5	138	40.8	43	165	86	72
1 1/2"	35.1	50.5	138	44.8	43	165	86	72
48	45	64	138	48.5	43	165	86	72
2"	47.8	64	138	51.3	43	165	86	74
2 1/2"	60.5	77.5	146	61	48	165	86	80
3"	72.2	91	146	68	48	165	86	80
3 1/2"	85	106	146	73.4	48	165	86	86
4"	97.6	119	146	79.8	50	165	86	90
133	127	155	230	94.5	52.5	202	108	114
159	153	183	230	110	52.5	307	108	120
219	211	233.5	280	145	52.5	307	165	126

DIN螺纹蝶阀

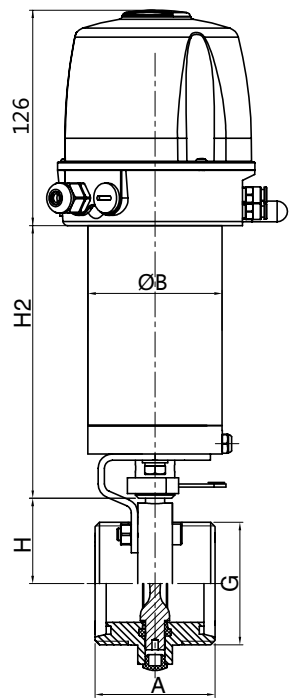
DIN Threaded Butterfly Valve



手动螺纹蝶阀
Manual threaded butterfly valve
NO.1101007



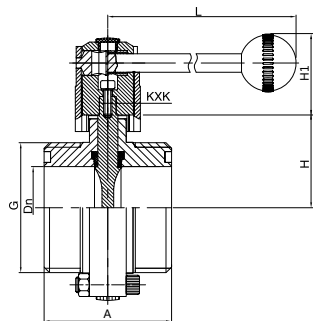
不锈钢气动螺纹蝶阀
SS pneumatic threaded butterfly valve
NO.1101008



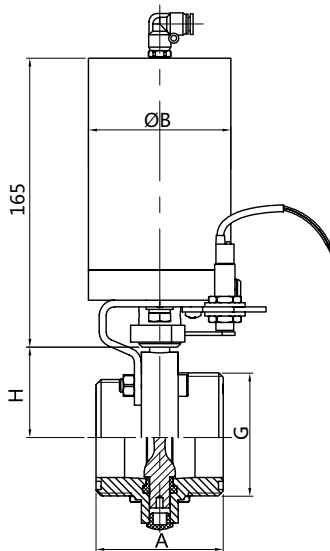
带智能头不锈钢气动螺纹蝶阀
SS pneumatic threaded butterfly valve with C-top
NO.1101009

DIN									
SIZE	Dn	KXK	L	H	H1	H2	B	G	A
DN15	15	8×8	138	40	43	165	86	RD34×1/8	68
DN20	19	8×8	138	40	43	165	86	RD44×1/6	68
DN25	25	8×8	138	42.6	43	165	86	RD52×1/6	68
DN32	31	8×8	138	45	43	165	86	RD58×1/6	68
DN40	37	8×8	138	56.2	43	165	86	RD65×1/6	70
DN50	49	8×8	138	64.5	48	165	86	RD78×1/6	80
DN65	66	10×10	146	71	48	165	86	RD95×1/6	80
DN80	81	10×10	146	81.8	50	165	86	RD110×1/4	86
DN100	100	10×10	158	95.5	52.5	202	108	RD130×1/4	88
DN125	125	12×12	230	112.5	52.5	202	108	RD160×1/4	88
DN150	150	12×12	230	145	52.5	307	133	RD190×1/4	90

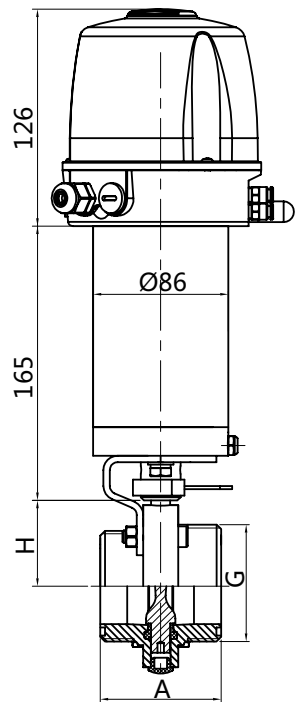
SMS螺纹蝶阀
SMS Threaded Butterfly Valve



手动螺纹蝶阀
Manual threaded butterfly valve
NO.1101010



不锈钢气动螺纹蝶阀
SS pneumatic threaded butterfly valve
NO.1101011

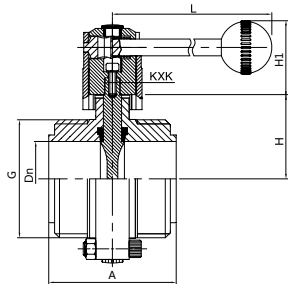


带智能头不锈钢气动螺纹蝶阀
SS pneumatic threaded butterfly valve with C-top
NO.1101012

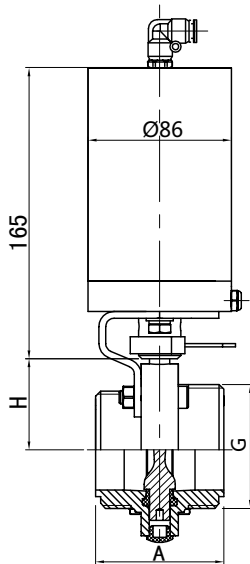
SMS							
SIZE	Dn	KXK	L	H	H1	G	A
Φ 19	16	8x8	138	40	43	RD34x1/8	68
Φ 25	22.4	8x8	138	40	43	RD40x1/6	68
Φ 32	28.8	8x8	138	40.8	43	RD48x1/6	68
Φ 38	35.1	8x8	138	44.8	43	RD60x1/6	68
Φ 51	47.8	8x8	138	51.3	43	RD70x1/6	76
Φ 63	59.5	10x10	146	61	43	RD85x1/6	80
Φ 76	72.2	10x10	146	68	48	RD98x1/6	80
Φ 89	85	10x10	146	73.4	48	RD110x1/6	84
Φ 102 小	97.6	10x10	146	79.8	48	RD125x1/6	90
Φ 102 大	97.6	10x10	146	79.8	50	RD132x1/6	90

ISO/IDF 螺纹蝶阀

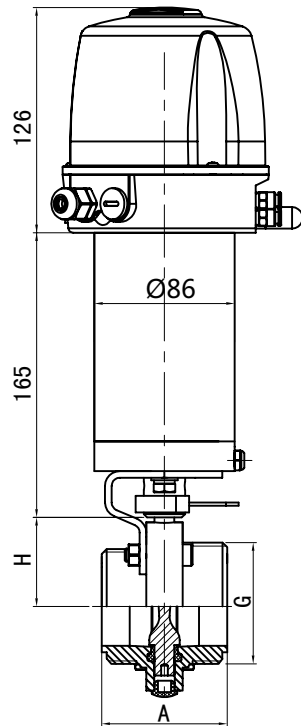
ISO/IDF Threaded Butterfly Valve



手动螺纹蝶阀
Manual threaded butterfly valve
NO.1101013

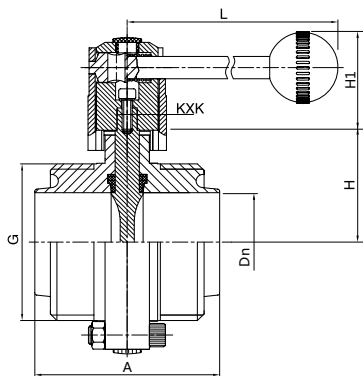


不锈钢气动螺纹蝶阀
SS pneumatic threaded butterfly valve
NO.1101014



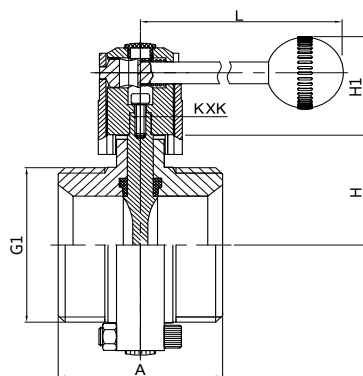
带智能头不锈钢气动螺纹蝶阀
SS Pneumatic threaded butterfly valve with C-top
NO.1101015

ISO/IDF							
SIZE	DN	H	H1	L	G	KXK	A
1"	22.4	40	43	138	37.1x1/8Acme	8x8	66
1½"	35.1	44.8	43	138	50.6x1/8Acme	8x8	70
2"	47.8	51.3	43	138	64.1x1/8Acme	8x8	76
2½"	59.5	61	43	146	77.6x1/8Acme	10x10	80
3"	72.2	68	48	146	91.1x1/8Acme	10x10	84
4"(ISO)	97.6	79.8	50	158	118.2x1/8Acme	10x10	104
4"(IDF)	97.6	79.8	50	158	125.9x1/6Acme	10x10	104



(RJT)

NO.1101016



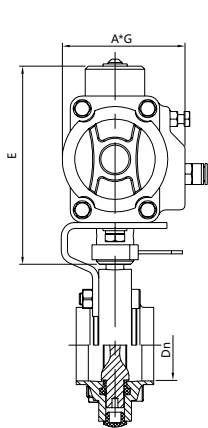
(3A)

NO.1101017

螺纹蝶阀

Threaded Butterfly Valve

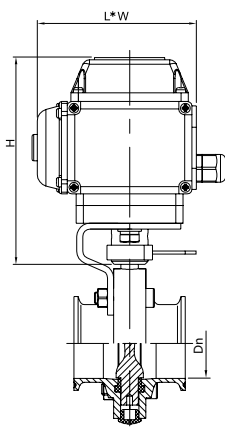
SIZE	Dn	KKK	L	H	H1	G	G1	A
1"	22.2	8x8	138	40	43	45.7x1/8TWHIT	37.1x1/6TWHIT	68
1 1/2"	34.9	8x8	138	44.8	43	58.4x1/8TWHIT	50.6x1/6TWHIT	68
2"	47.6	8x8	138	51.3	43	72.7x1/6TWHIT	64.2x1/6TWHIT	76
2 1/2"	60.3	10x10	146	61	43	85.4x1/6TWHIT	77.7x1/6TWHIT	80
3"	73	10x10	146	68	48	98.1x1/6TWHIT	91.2x1/6TWHIT	84
4"	97.6	10x10	158	79.8	50	123.8x1/6TWHIT	119.2x1/6TWHIT	90



卧式气动蝶阀

Horizontal penumatic butterfly valve

NO.1101018

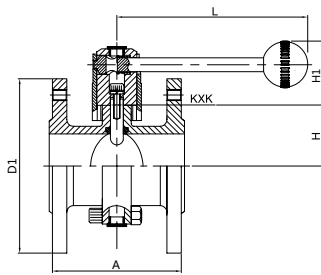


电动蝶阀

Electric butterfly valve

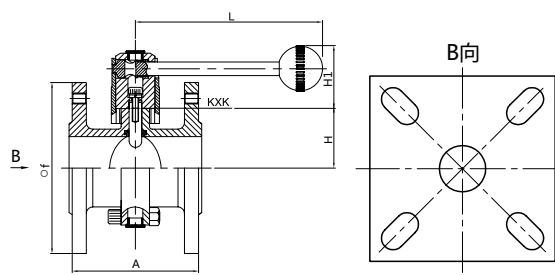
NO.1101019

SIZE	Dn	L*W	H	A*G	E
DN15	15	160x113	140.5	158.4x71	132
DN20	19	160x113	140.5	158.4x71	132
DN25	25	160x113	140.5	158.4x71	132
DN32	31	160x113	140.5	158.4x71	132
DN40	37	160x113	140.5	158.4x71	132
DN50	49	160x113	140.5	158.4x71	132
DN65	66	160x113	140.5	190x81	146
DN80	81	160x113	140.5	207x94	146
DN100	100	160x113	140.5	213x98.5	173
DN125	125	196x121	182	259x108.5	185
DN150	150	196x121	182	259x108.5	185
DN200	200	255x158	207	287x121.5	212



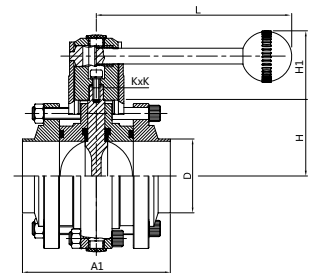
法兰式 (圆形)
Flange butterfly valve(Round type)

NO.1101020



法兰式 (四方法兰)
Flange butterfly valve(Square type)

NO.1101021



三片式
Three-piece butterfly valve

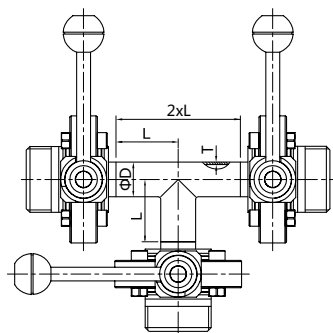
NO.1101022

蝶阀 Butterfly Valve										DIN
SIZE	Dn	D	D1	of	H	H1	KXK	L	A	A1
DN15	15	18	95	100X100	40	43	8X8	138	110	100
DN20	19	22	105	100X100	40	43	8X8	138	110	100
DN25	25	28	115	100X100	40	43	8X8	138	110	100
DN32	31	34	140	100X100	42.6	43	8X8	138	120	100
DN40	37	40	150	100X100	45	43	8X8	138	130	100
DN50	49	52	165	100X100	56.2	43	8X8	138	140	100
DN65	66	70	185	100X100	64.5	48	10X10	146	160	100
DN80	81	85	200	140X140	71	48	10X10	146	160	104
DN100	100	104	220	140X140	81.8	50	10X10	146	160	110
DN125	125	129	250	-	95.5	52.5	12X12	230	175	110
DN150	150	154	285	-	112.5	52.5	12X12	230	200	110
DN200	200	204	340	-	145	52.5	14X14	280	270	124

蝶阀 Butterfly Valve										INCH
SIZE	Dn	D	D1	of	H	H1	KXK	L	A	A1
3/4"	16.1	19.1	105	100X100	40	43	8X8	138	110	100
1"	22.4	25.4	115	100X100	40	43	8X8	138	110	100
1 1/4"	28.8	31.8	140	100X100	40.8	43	8X8	138	110	100
1 1/2"	35.1	38.1	150	100X100	44.8	43	8X8	138	120	100
48	45	48	150	100X100	48.5	43	8X8	138	130	100
2"	47.8	50.8	165	100X100	51.3	43	8X8	138	140	100
2 1/2"	59.5	63.5	185	120X120	61	48	10X10	146	160	100
3"	72.2	76.2	200	140X140	68	48	10X10	146	160	104
3 1/2"	85	89	200	140X140	73.4	48	10X10	146	160	104
4"	97.6	101.6	220	140X140	79.8	50	10X10	146	160	114
133	127	133	250	-	94.5	52.5	12X12	230	175	110
159	153	159	285	-	110	52.5	12X12	230	200	110
219	211	219	340	-	145	52.5	14X14	280	270	124

三通蝶阀

Three-Way Butterfly Valve

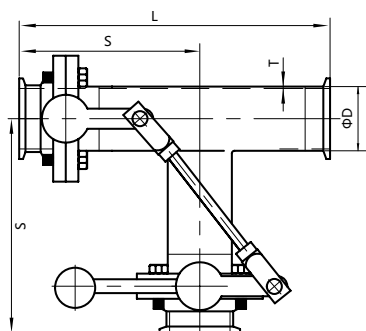


三通蝶阀
Three-way butterfly valve

NO.1101023

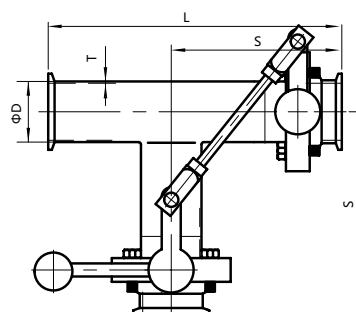
DIN			
SIZE	D	T	L
DN15	18	1.5	50
DN20	22	1.5	53
DN25	28	1.5	53
DN32	34	1.5	60
DN40	40	1.5	64
DN50	52	1.5	75
DN65	70	2.0	87
DN80	85	2.0	89
DN100	104	2.0	107
DN125	129	2.0	204
DN150	154	2.0	245

INCH			
SIZE	D	T	L
1"	25.4	1.5	58
1 1/4"	31.8	1.5	65
1 1/2"	38.1	1.5	72
2"	50.8	1.5	83
2 1/2"	63.5	1.5	108
3"	76.2	2.0	112
4"	101.6	2.0	157



三通蝶阀(左开型)
Three-way butterfly valve (Left open type)

NO.1101024



三通蝶阀(右开型)
Three-way butterfly valve (Right open type)

NO.1101025

DIN				
SIZE	D	T	S	L
DN40	40	1.5	131	222
DN50	52	1.5	144	247
DN65	70	2.0	150.5	256

INCH				
SIZE	D	T	S	L
1 1/2"	38.1	1.5	131	222
2"	50.8	1.5	144	247
2 1/2"	63.5	1.5	150.5	256