



JIMSOAR INTERNATIONAL CORP.,

中国卫生级产品行业先锋 -- 知名品牌

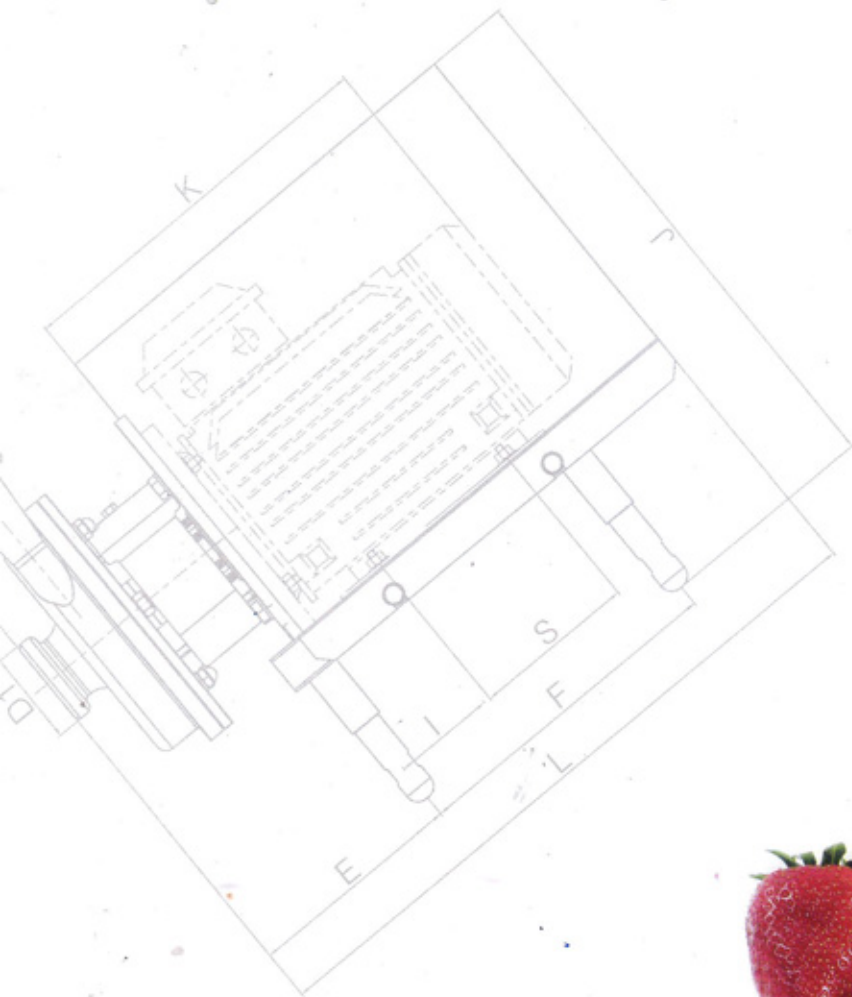
可提供 DIN, ISO, 3A, BPE, SMS, BS, IDF, DS, JIS 标准卫生流体产品



卫生级泵系列

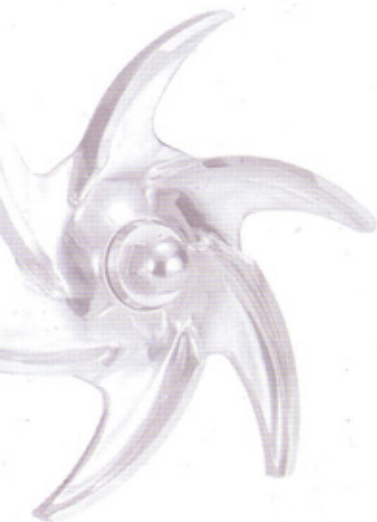
Sanitary Pump Series

傑濠公司卫生泵系列可以柔和、精确地泵送各种类型、各种粘度的流体，满足卫生行业的所有需求。其离心泵不仅效率高，并可以细致处理产品。其转子泵实际上可以应用于所有需要柔和、卫生地处理粘性产品的行业。





IFEC 系列卫生级离心泵 IFEC Sanitary Centrifugal Pump

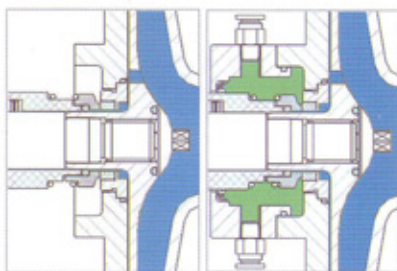


应用：

卫生级离心泵广泛适用于各类液体物料的输送。如乳品、啤酒、饮料、医药化工等领域。

轴封：

卫生级离心泵的轴封采用机械密封。其密封性能好，自润滑性能高。耐磨、耐高温、耐腐蚀、无泄漏、装拆方便。有单端面机械密封和带水冲洗的单端面机械密封两种。带水冲洗机械密封的辅助封是一个经久耐用的唇形密封。



单端面机械密封
Mechanical shaft
seal

带水冲单端面机械密封

Flushed shaft seal

性能和优越性：

卫生离心泵为单级，单吸，开式叶轮。泵壳、叶轮、叶轮座经精心设计，降低了阻力，加快了泵内液体的流速，从而提高了泵的整体性能。叶轮的开式设计保证了最佳的可清洗性(CIP)。具有卓越的卫生性能。在产品处理过程中具有满足卫生要求、平稳性、抗化学性能、高效率 and 易于维护等特点。泵由四只可调支撑。出口可回转任意角度。从而大大提高了安装和使用范围。

电机：

- 1、电机采用“ABB”品牌标准三相交流电机。按照国际电工委员会 IEC60034、IEC60072 标准设计制造，符合欧共体“CE”标记要求。
- 2、优越的电气性能、低噪音、低振动。电机的标准设计防护等级为 IP55。绝缘等级为 F 级。
- 3、工作电压：
 $\leq 3\text{Kw}$, 220~240V/380~420V/ Δ /Y
 $> 3\text{Kw}$ 380~420V/660~690V/ Δ /Y
- 4、频率：50Hz/60Hz
- 5、标准泵的转速为 2900r/min



Application

Sanitary Centrifugal Pump is applicable in conveying all kinds of liquid material in the industries of dairy, beer, beverage pharmaceutical and chemistry etc

Shaft seal

The shaft seal of sanitary centrifugal pump adopts mechanical seal, with good, sealing performance, high self lubricating ability, wear resisting, high temperature, corrosion resisting, non-leak and easy installation. The pump is equipped with either an external single or flushed mechanical shaft seal. All mechanical sealing spare parts are easily exchanged, rapidly maintained, and economical, making the maximum pump lifespan.

Property and advantage

Sanitary Centrifugal Pump has types of single level, single suction, open-styled impeller. With its elaborate design in shell, impeller and the seat for impeller, resistance is reduced, health dead space is eliminated, and the flow speed of liquids in the pumps is increased, thus improving the whole performance of the pump. The open design for impeller guarantees the best CIP, outstanding sanitary features. In the course of processing products, they can satisfy sanitary request, have advantages of stability, chemical resisting property, high efficiency, and easy maintenance. The pump is supported on four adjustable steel legs and its exit can turn any angle, thus increasing greatly the installation and usage range.

Motor

1. These motors are made from ABB brand Standard three-phase AC machine. They are built to comply with Current International Standards: International Electrotechnical Commission IEC 60034 and IEC60072, EU directives to fulfill European "CE" mark requirement.
2. Superior electric performance, low noise, low quake. All motors are Protected to IP55 as a minimum. Insulation level for the motors is F level.
3. Working voltage
 $\leq 3\text{Kw}$, 220~240V / 380~420V / Δ/Y
 $> 3\text{Kw}$, 380~420V / 660~690V / Δ/Y
4. Frequency: 50Hz/60Hz
5. Speed of rotation. The speed of rotation for standard pump is 2900rpm



IFEC 系列卫生级离心泵 IFEC Sanitary Centrifugal Pump

材质：

过液部分材质：SUS316L 或 SUS 304 不锈钢
其它部分材质：SUS304 不锈钢
辅助密封材料：丁腈橡胶 (NBR)、三元乙丙橡胶 (EPDM)、硅橡胶 (VMQ)、氟橡胶 (FKM)、聚四氟乙烯 (PTFE)
机械密封材料：石墨—碳化硅

表面处理：

接液部分抛光 0.4 μ m。其余亚光或喷砂处理

技术参数：

最大进口压力：0.5MPa
温度范围：-10 $^{\circ}$ C至 +140 $^{\circ}$ C (EPDM)
噪声水平 (1 米处)：60-80dB(A)
可冲洗机械密封：
水压：最高 0.1MPa
水量：0.25~0.5L/min

Surface treatment

Product wetted part: bright 0.4 μ m,
other part: sandblasting or semi bright

Materials

Product wetted steel Parts: SUS316L or SUS304 stainless steel
Other steel parts: SUS304 stainless steel
Auxiliary sealed material: NBR, EPDM, VMQ, FKM, PTFE
Machine ry sealed material: graphite—Silicon carbide

Technical date

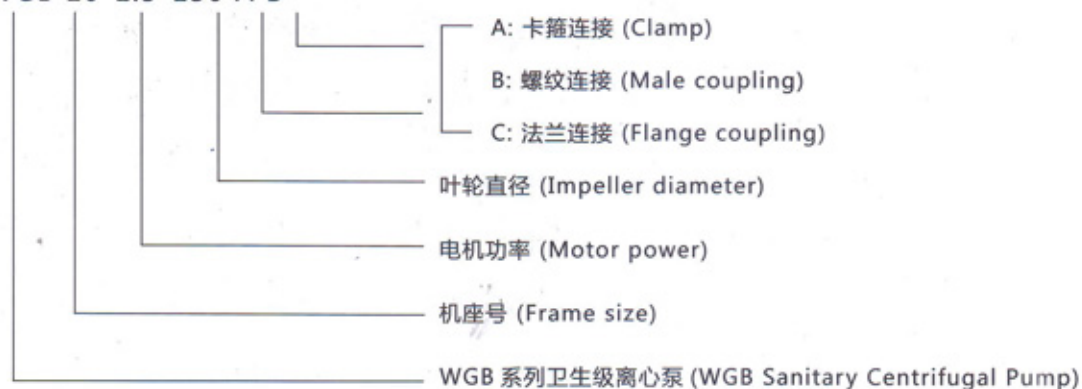
Max.net pressure: 0.5MPa
Temperature range:-10 $^{\circ}$ C to +140 $^{\circ}$ C (EPDM)
Noise level fal 1 M1: 60—80dB(A)
Flushed machinery seal:
Water pressure: max0.1MPa
Water consumption: 0.25~0.5L/mi

卫生级离心泵型号说明

Sanitary Centrifugal Pump size explanation

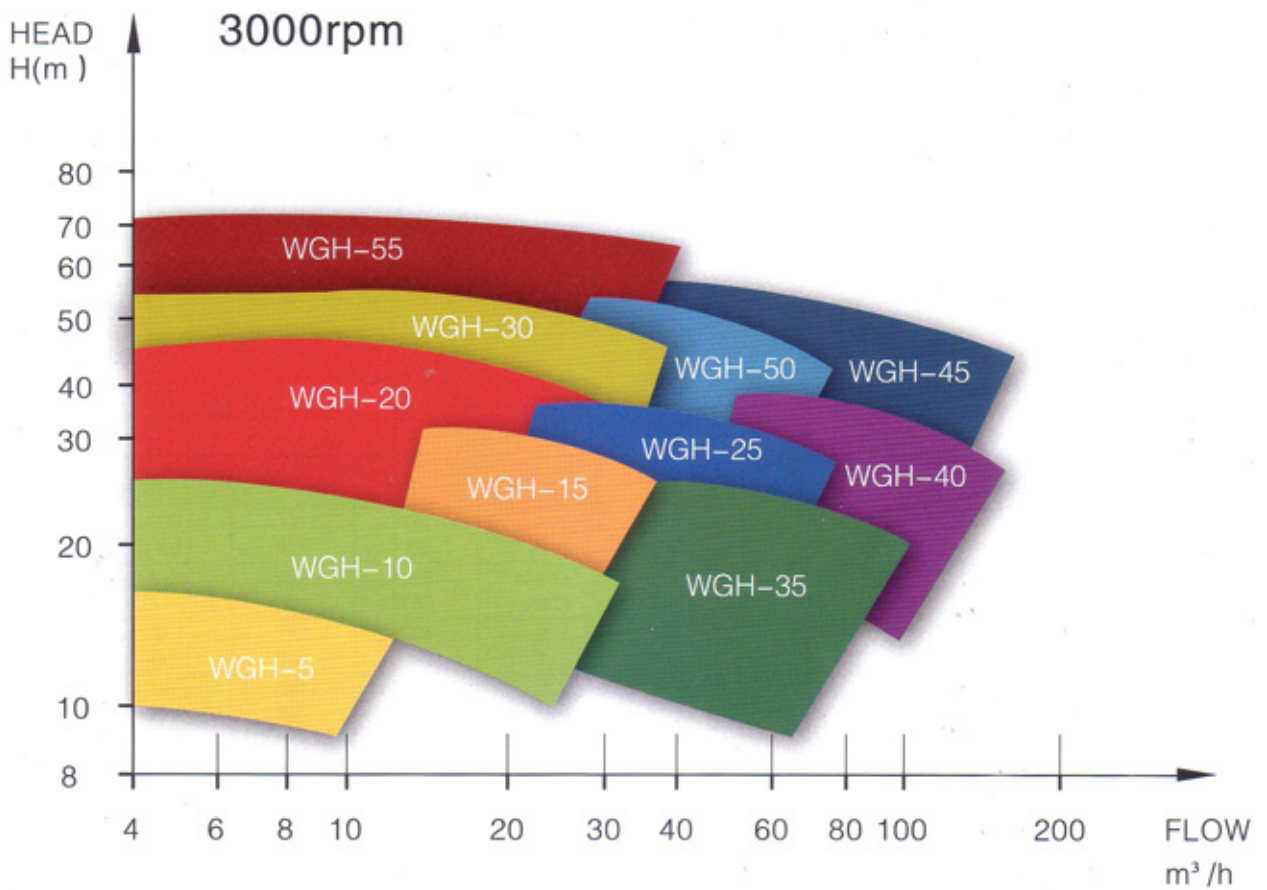
示例：(Example)

WGB 10-1.5-130 A B



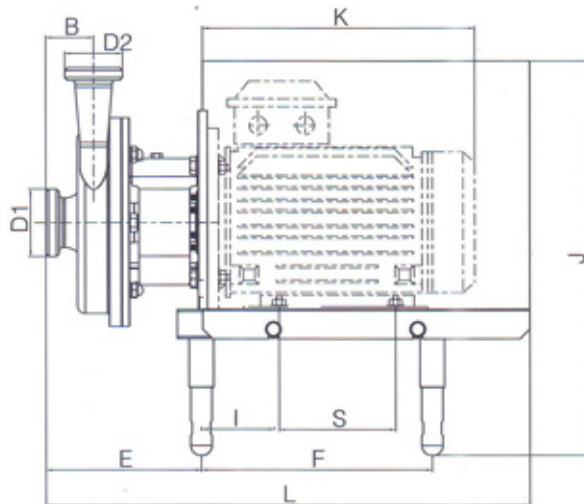
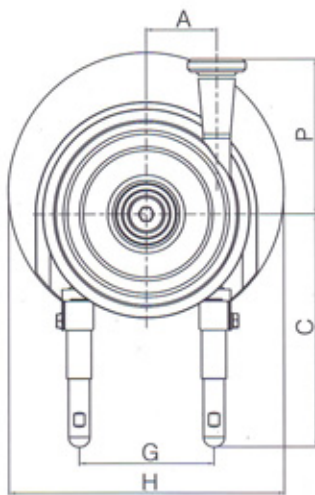
频率 :50 Hz
 速度 (同步): 3000 转 / 分
 Frequency: 50 Hz Speed
 (synchr): 3000 rpm

性能曲线图
 Flow chart



各种系列卫生型连接尺寸标准
 Connections(mm) Sanitary version

	ISO Clamp	ISO Male	DIN Male	SMS Male	BS Male	DS Male
D1 51 D2 38	21 21	21 21	22 22	20 20	27 27	20 20
D1 63 D2 51	21 21	21 21	25 22	24 20	27 27	24 20
D1 76 D2 63	21 21	21 21	30 25	24 24	27 27	24 24
D1 101.6 D2 76	21 21	21 21	30 30	35 20	32 27	



WGH-5

	0.75/1.1 kW	1.5 kW	2.2 kW
A	80	80	80
B	53	53	53
C Min	202	192	192
C Max	257	247	247
E	125	127	127
F	190	240	240
G	125	140	140
H	251	288	288
I	82	82	82
J Min	322	342	342
J Max	377	397	397
K	245	260	285
P	160	160	160
S	100	100	125
L	511	538	538

WGH-10

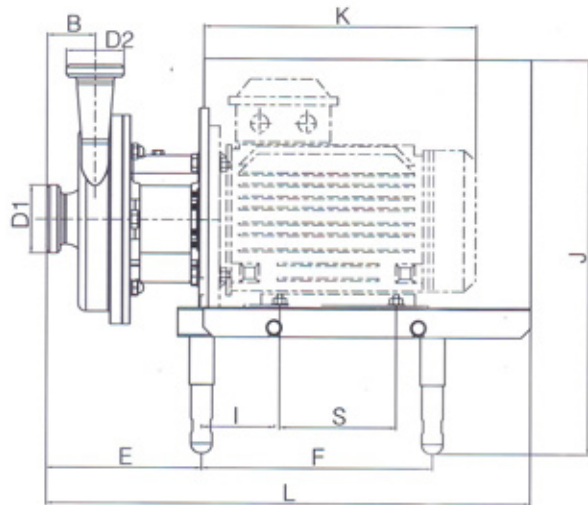
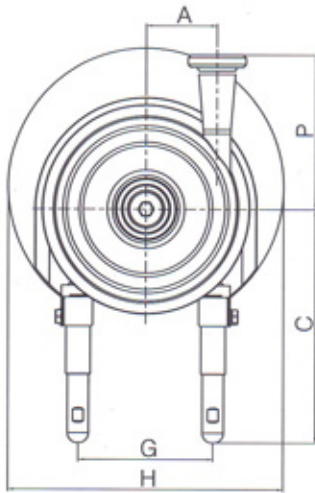
	1.5 kW	2.2 kW	3 kW	4 kW
A	80	80	80	90
B	53	53	53	50
C Min	192	192	222	214
C Max	247	247	277	269
E	127	127	137	137
F	240	240	300	300
G	140	140	160	190
H	288	288	323	359
I	82	82	95	102
J Min	342	342	392	397
J Max	397	397	447	452
K	260	285	320	335
P	160	160	160	185
S	100	125	140	140
L	538	538	538	548

WGH-15

	3 kW	4 kW	5.5 kW
A	80	90	90
B	53	50	50
C Min	222	214	244
C Max	277	269	299
E	137	137	157
F	300	300	381
G	160	190	216
H	323	359	383
I	95	102	135
J Min	392	397	412
J Max	447	452	467
K	320	335	285
P	160	185	185
S	140	140	140
L	538	548	568

WGH-20

	2.2 kW	3 kW	4 kW	5.5/7.5 kW
A	80	80	90	90
B	53	53	50	50
C Min	192	222	214	244
C Max	247	277	269	299
E	127	137	137	157
F	240	300	300	381
G	140	160	190	216
H	288	323	359	383
I	82	95	102	135
J Min	342	392	397	447
J Max	397	447	452	502
K	285	320	335	402
P	160	185	185	185
S	125	140	140	140
L	538	538	548	568


WGH-25

	5.5/7.5 kW	11/15 kW
A	90	126
B	50	107
C Min	244	228
C Max	299	345
E	163	192
F	381	483
G	216	254
H	383	485
I	135	253
J Min	447	438
J Max	502	554
K	402	493
P	185	204
S	140	210
L	568	775

WGH-30

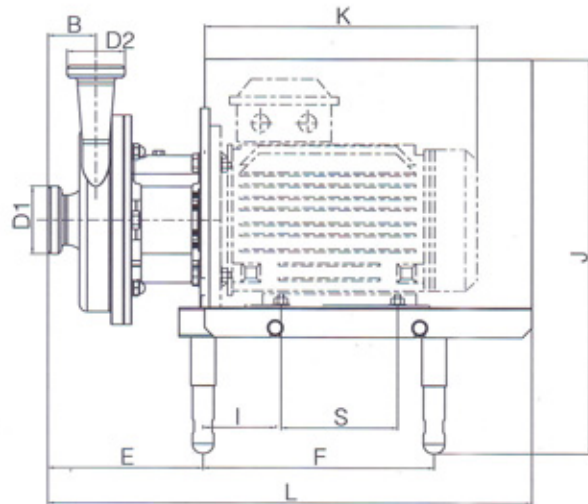
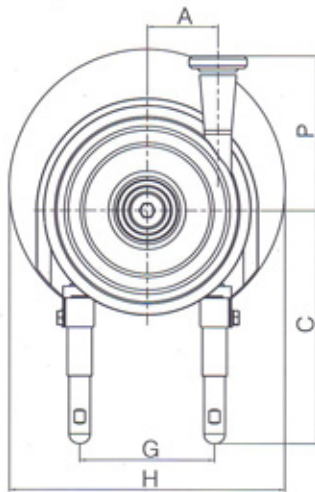
	4 kW	5.5/7.5 kW	11/15 kW
A	90	90	126
B	50	50	107
C Min	214	244	228
C Max	269	299	345
E	137	148	177
F	300	381	483
G	190	216	254
H	359	383	485
I	102	135	253
J Min	397	447	438
J Max	452	502	554
K	335	402	493
P	185	185	204
S	140	140	210
L	548	568	775

WGH-35

	7.5 kW	11/15 kW
A	90	126
B	50	107
C Min	244	228
C Max	299	345
E	163	192
F	381	483
G	216	254
H	383	485
I	135	253
J Min	447	438
J Max	502	554
K	402	493
P	185	204
S	140	210
L	568	775

WGH-40

	7.5 kW	11/15 kW	18.5 kW
A	90	126	126
B	50	50	107
C Min	244	244	228
C Max	299	299	345
E	163	148	192
F	381	381	483
G	216	216	254
H	383	383	485
I	135	135	253
J Min	447	447	438
J Max	502	502	554
K	402	402	493
P	185	231	231
S	140	140	210
L	568	568	775



	7.5 kW	11/15/18.5 kW	22 kW
A	90	126	126
B	50	50	107
C Min	214	244	260
C Max	269	299	365
E	137	148	192
F	300	381	508
G	216	254	279
H	359	383	533
I	102	135	174
J Min	397	447	484
J Max	452	502	589
K	335	402	570
P	185	231	231
S	140	140	241
L	568	568	865

WGH系列型号标准总配置

WGH series pump and motor configuration

	型号 Type	功率 Power	进出口 Inport/Export	备注 Notes	
1	1.5T/14M	0.55KW	38/32	ABB Motor	SIEMENS Motor
2	3T/16M	0.75KW	38/38		
3	5T/16M	1.1KW	38/38		
4	3T/24M	1.5KW	51/38		
5	3T/30M	2.2KW	51/38		
6	5T/24M	1.5KW	51/38		
7	5T/30M	2.2KW	51/38		
8	10T/24M	2.2KW	51/38		
9	10T/36M	3KW	51/38		
10	15T/24M	3KW	51/51		
11	20T/24M	4KW	51/51		
12	20T/36M	5.5KW	51/51		
13	25T/35M	5.5KW	51/51		
14	30T/24M	5.5KW	63/51		
15	30T/36M	7.5KW	63/51		
16	40T/24M	7.5KW	63/51		
17	20T60M	11KW	63/51		
18	30T50M	11KW	63/63		
19	40T35M	11KW	63/63		
20	40T50M	15KW	76/63		
21	60T30M	15KW	76/63		
22	30T60M	15KW	76/51		
23	20T70M	15KW	76/51		
24	50T50M	18.5KW	76/63		
25	100T30M	18.5KW	101.6/76		
26	80T60M	22KW	101.6/76		

IFEC 系列卫生级 CIP 泵 IFEC Sanitary CIP Pump

应用：

卫生级CIP泵主要用来处理一些含气物料的输送。因此被广泛应用于液位高低不稳定，甚至液位低于泵进口的各种场合吸取物料，也作为CIP系统中的回程泵使用。是食品、化工、医药等行业不可缺少的输送设备

材质：

所有过液部件、泵壳、泵盖和叶轮均由316L不锈钢制造。

过液部分材质~316L不锈钢

其它部分材质~304不锈钢

过液密封材料：EPDM三元乙丙橡胶

电机：

1、电机采用“ABB”品牌标准三相交流电机，按照国际电工委员会IEC60034、IEC60072标准设计制造，符合欧共体“CE”

标记要求。

2、可供选用防爆电机。以满足不同场合的需要。

3、优越的电气性能、低噪音、低振动，电机的标准设计防护等级为IP55，绝缘等级为F级。

4、工作电压：

≤3Kw, 220—240V / 380~420V,

△, Y

>3Kw, 380—420V / 660—690V,

△, Y

5、频率：50Hz / 60Hz

6、工作方式：连续(SI)

7、转速：标准泵的转速为1450dmin

性能特点：

采用侧通道原理具有卓越的抽吸能力卫生性好、易清洗低成本维护低电耗、低噪音

表面处理：

接液部分抛光，其余亚光或喷砂处理

技术参数：

最大进口压力：0.5 M P a

温度范围：1 0°C到+1 4 0~C(E P D M)

噪声水平(1米处)：小于8 5 d B(A)

电压频率：50Hz,

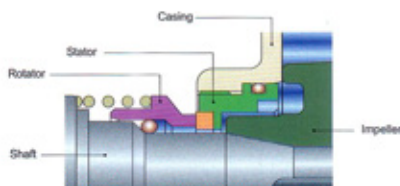
220~240V/380~420V/660~690V,

△/Y

电机功率：4, 5.5, 7.5 KW

轴封：

卫生型自吸泵的轴封采用机械密封。机械密封的静环由SUS316L钢内嵌石墨构成，动环则由碳化硅制成



外置式单端轴封
Detail of Mechanical Seal



IFEC 系列卫生级 CIP 泵 IFEC Sanitary CIP Pump

Application

Sanitary CIP pump is mainly used in conveying gas materials, so it is widely used in drawing materials in the case of unstable liquid high bottom, and liquid level even lower than the inlet of pump, and also used as return pump in CIP system. It is a necessary conveying device in food, chemical and pharmaceutical industries.

Characteristics:

Adopting sideway principle having outstanding drawing ability easy to clean low cost maintenance low electricity consumption, low noise

Shaft Seal:

The shaft seal of WGZB Sanitary Liquid-Ring Pump adopts mechanical seal. The stationary ring of the mechanical sealing consists of graphite covered in 316L steel while the mobile ring consists of silicon carbide

Technical parameters:

Max. inlet pressure: 0.5Mpa
Temperature range: -10°C+140°C (EPDM)
Noise level(at1M): >60-80dB(A)
Voltage Frequency:
50Hz, 220~240V/380~420V/660~690V, Δ/Y
Electric motor power: 4, 5.5, 7.5KW

Surface treatment:

Product wetted part: bright, other part: sandblasting or semi bright.

Materials:

All wetted parts, shell, covering and impeller are made from 316L stainless steels.
Product wetted steel parts: stainless steel 316L
Other parts: stainless steel 304
Wetted sealing material: EPDM





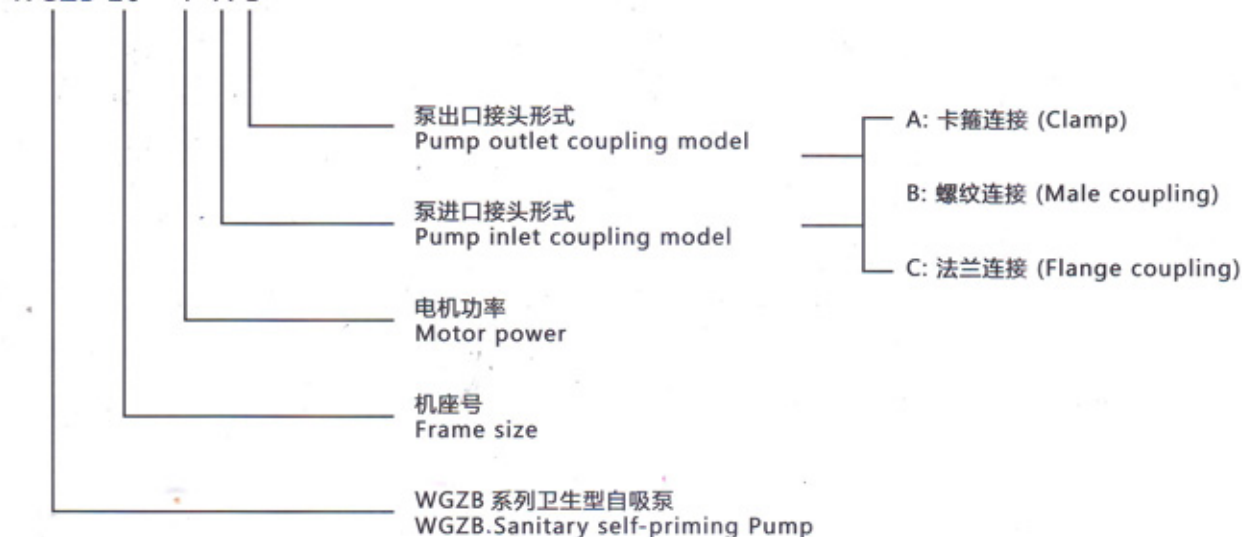
Electrical engineering:

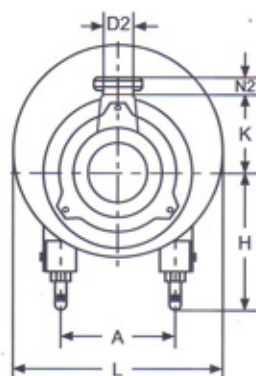
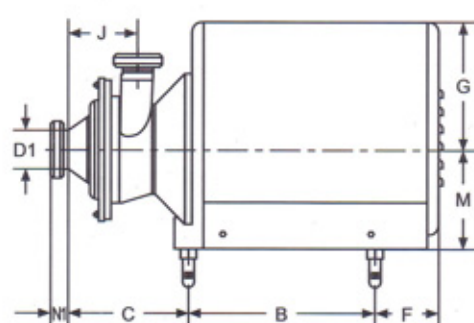
1. These motors are made from ABB brand Standard with threephase AC machine.They are built to comply with current International Standards:International Electrotechnica, Commission IEC 60034 and IEC60072,EU directives to fulfill European"CE"mark requirement.
- 2.Anti-explosion motir may be chosen to satisfy requirements.
- 3.Superior electric performance,low noise,low quake,All motors are protected to IP55 as a minimum, Insulation level for the motors is F level.
- 4.working voltage
 $\leq 3Kw, 220\sim 240V/380\sim 420V, \Delta/Y$
 $> 3Kw, 380\sim 420V/660\sim 690V, \Delta/Y$
- 5.Frequency:50Hz/60Hz
- 6.Working manner:Continuous(SI)
- 7.Speed of rotation The speed of rotation for standard pump is 1450 rpm

卫生型自吸泵型号说明
Sanitary Self-Priming Pump Size Explanation

示例: (Example)

WGZB 20 - 4 A B

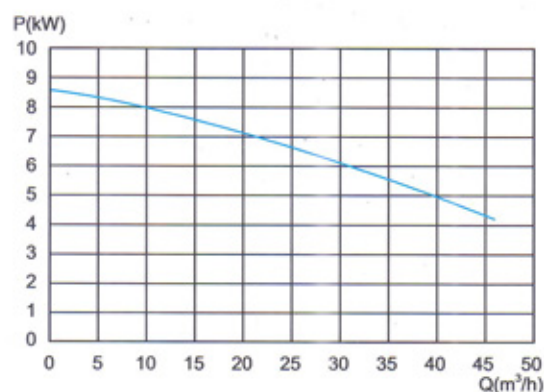
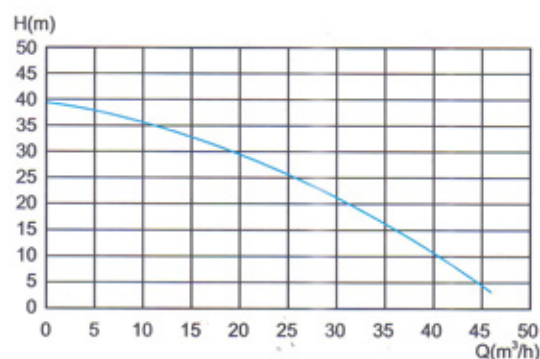




WGZB-20 外形安装尺寸 Dimensions

Size	电机功率 (Motor Power)		
	4KW	5.5KW	7.5KW
A	190	216	216
B	269	328	328
C	245	245	245
F	116	117	117
G	210	215	215
H max	240	260	260
H min	210	230	230
J	142	142	142
K	156	156	156
L	348	378	378
M	152	182	182

Size	ISO 卡箍	DIN 卡箍	SMS 活接	DIN 活接	ISO 法兰	DIN 法兰
D1	76.1	85	76.1	85	76.1	85
D2	63.5	70	63.5	70	63.5	70
N1	21.5	21.5	24	26	25	24
N2	21.5	21.5	24	26	25	24



性能曲线

Performance Curve

介质: 20°C清水

误差: ±5%

Medium: 20°C clean water

Error: ±5%

转速: 1450r/min

频率: 50Hz

Rotating Speed: 1450r/min

Frequency: 50Hz

进口口径: Φ76.1DN80

出口口径: Φ63.5DN60

Inlet Diameter: Φ76.1 DN80

Outlet Diameter: Φ63.5 DN65

吸程: 8M

Suction Lift: 8M

选择时需要考虑留有安全余量

Safety tolerance should be reserved when selecting motor power

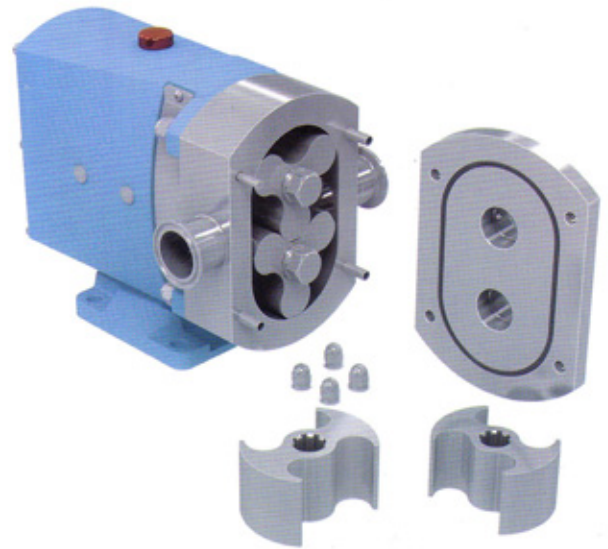
IFEC 卫生级旋转式凸轮转子泵 IFEC Sanitary Rotary Lobe Pump



安全阀



转子类型
Rotor type



标准设计：

泵齿轮箱上仍保留有其常规凸轮容积泵的设计概念，即一个坚固的铸铁齿轮箱，这样的齿轮箱设计可提供最大的泵轴刚性，以及轻松更换油封。各款型的转子泵，如属于系列1 至系列3 的，均装配有一种万用型齿轮箱设计。这种设计提供了泵体安装的灵活选择余地，即用户通过改换支撑脚，就可以将出/入口布置为水平式或垂直式。箱的外表面进行防护，以使之能耐受天然因素及腐蚀性物质破坏。

泵头结构---标准规格的转子泵均采用符合国际标准的，按照卫生要求而设计的全面贯通式出口及入口接口，从而最大限度地保证了出/入口的流动效率及NPSH特性。同时，还能向用户提供放大直径的以及矩形的接口，以满足处理具有极高粘稠度的产品的需求。

标准规格的泵还配备有三菱转子，同时用户也可选择碟形转子替换，以用来处理含有大量活性固态物的各类流体。所有的转子均有能满足三种不同温度额定值的供应可由用户选择，以便在其最大工艺处理温度分别为70°C，130°C和200°C的条件下，都能够进行流体的泵送操作和CIP(原位清洗)。

Standard design:

The Lobe pump with its conventional lobe pump design concept has a robust cast iron gearbox, which provides maximum shaft rigidity and easy oil seal replacement. The range has a universal gearbox design. This gives the flexibility of mounting pumps with the inlet and outlet ports in either a vertical or horizontal plane by changing the foot position.

A quality epoxy paint system is used on the gearbox exterior for optimum protection against natural and corrosive elements.

The WGZ in standard specification has sanitary design full bore inlet and outlet ports to International Standards, maximising inlet and outlet port efficiency and NPSH characteristics. Enlarged diameter and rectangular ports are also available to handle very high viscosity products.

The WGZ in standard specification has tri-lobe rotors with the option of bi-lobe rotors for handling fluids containing large delicate solids. All rotors are available in three temperature ratings allowing the pump to be operated at maximum process temperatures of 70°C, 130°C and 200°C for both fluid pumped and CIP.

应用范围

乳制品: 牛奶、乳酪、凝乳、黄油、软干酪、酸奶酪、牛油、人造黄油、冰淇淋

面包类: 酵母、生面团、水果馅、糖衣、脂肪和油

肉类: 香肠馅、脂肪、肉汤、凝胶、宠物食品

罐装食品: 土豆沙拉、婴儿食品、汤、炖肉、番茄、开胃水菜、布丁、调味品、蛋黄酱、果酱和果冻

饮料: 啤酒、土豆泥、麦芽汁、果汁、浓缩果汁

糖果: 糖、巧克力、可可油、玉米糖浆、凝胶

调味料: 糖浆和浓缩汁

调味品: 蛋黄酱和其它精制调料

化妆品: 面霜、洗液、啫哩、洗发香波、乳液、牙膏

工业应用: 汽车涂漆、油墨、乳胶、聚合物

Applications

Dairy: milk, cream, curds, butter, soft cheese, yogurt, butter, margarine, ice cream

Bakery: yeast, dough, fruit filling, icing, fats and oils

Meats: sausage filling, fats, broths, gelatins, pet food

Canned Foods: potato salad, baby food, soups stews, tomatoes, relishes, pudding, dressings, mayonnaise, jams and jellies

Beverages: beer, mash, wort, fruit juices, fruit concentrate

Candy: sugars, chocolate, cocoa butter, corn syrup, gelatin

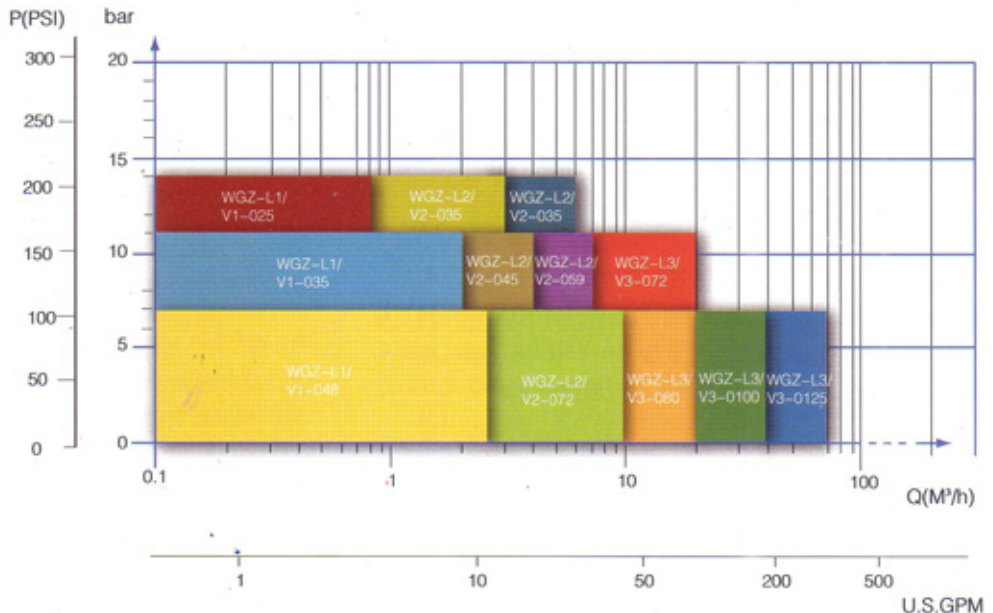
Flavorings: syrups and concentrates

Dressings: Mayonnaise and other prepared sauces

Cosmetics: creams, lotions, jellies, shampoos, emulsions, toothpaste

Industrial: automotive paints, inks, latex, polymers

性能曲线图
Flow chart



最大固体颗粒处理能力

	含球形固态物处理中允许最大颗粒度(mm)	
	碟形转子	三菱转子
WGZ-L1-025	9	6
WGZ-L1-035	9	6
WGZ-L1-048	11	6
WGZ-L2-035	13	9
WGZ-L2-059	15	10
WGZ-L2-072	16	11
WGZ-L3-080	22	15
WGZ-L3-100	22	15
WGZ-L3-125	30	20

对应表

	排量		入口及连接 端头规格	最大压力		最大速度
	升/转	美加仑/100转	mm/英寸	巴	psi	转/分钟
WGZ-L1/V1/025	0.147	3.88	DN25/1"	10	145	900
WGZ-L1/V1/035	0.208	5.49	DN40/1.5"	10	145	900
WGZ-L1/V1/048	0.286	7.55	DN50/2"	10	145	900
WGZ-L2/V2/035	0.328	8.66	DN40/1.5"	15	215	900
WGZ-L2/V2/048	0.453	11.96	DN50/2"	10	145	900
WGZ-L2/V2/059	0.558	14.74	DN65/2.5"	10	145	900
WGZ-L2/V2/072	0.683	18.04	3"	7	100	700
WGZ-L3/V3/072	1.391	36.74	DN65/3"	10	145	700
WGZ-L3/V3/080	1.548	40.89	DN80/3.5"	7	100	600
WGZ-L3/V3/0100	1.938	51.19	DN100/4"	7	100	600
WGZ-L3/V3/0125	2.43	64.19	DN125/4.5"	7	100	600

制造用材料

泵的齿轮箱-高质球磨铸铁。

泵头-过流部件由316L不锈钢或相同等级的不锈钢材料制造。
接触产品的弹密封材料部分由EPDM, 丁腈(NBR), 氟橡胶(FPM)材料制造, 所有此类部件均符合FDA标准。为适应化工应用的需求, 还有聚四氟乙烯(PTFE)材料制成的部件。

轴封可选项

单端式或单端注水式/冷却式(可提供蒸汽屏障以适用于有无菌要求的实际应用中)机械密封。

双端型机械密封用于可注水式轴封。

标准规格可选项

• 泵出/入口接口的规格(外螺纹, 均符合 BSP, DIN11851, Rdg, SMS, ISS / IDF, RJT, IAMD / 3A, 卡箍以及其他标准; 或法兰连接式, 均符合BS 4504 / DIN2533, ASA / ANSI 150, BS 10E以及其他标准。)

• 泵盖, 并配备一体化设计的压力泄压阀

• 泵盖用的加热/冷却鞍形夹套(如果装有泄压阀, 则无此夹套)

• 以不锈钢及耐磨合金制造的双叶转子

• 经电抛光处理的过流部件

• 一套完整的泵单元应包括: 泵 + 底板(由碳钢或不锈钢材制造) + 带防护装置的联轴器+与减速机连接的电动马达, 其款型应适合于(或根据用户提供的)所用频率及速度控制, 或手动式可变驱动(具体可查询马达内附件材料或电动设备供应商)

机械密封材料

碳/不锈钢, 碳化钨/碳化钨, 碳化硅/碳化硅, 或者是这些材料的其它组合, 以适应所泵送的各类流体性质以及/或各种应用需求。

Materials of Construction

Pump gearbox - high quality grey cast iron.

Pumphead - product wetted components in 316L.

Product wetted elastomers of EPDM, NBR, FPM all FDA conforming. Also PTFE for chemical applications.

Shaft Seal Options

Single or single flush/quench (steam barrier for aseptic application) type mechanical seals.

- Double type mechanical seal for flush.

Standard Specification Options

Specification of inlet and outlet ports (Screwed male to BSP, DIN11851, Rdg, SMS, ISS/IDF, RJT, IAMD/3A, Tri-clamp and other standards, or Flanged to BS4504/DIN2533, ASA/ANSI 150, BS10E and other standards)

- Rotorcase Cover with integral Pressure Relief Valve

- Heating/Cooling Saddle Jackets for Rotorcase and Jacket for Rotorcase Cover (not available when relief valve fitted)

- Bi-lobe Rotors in stainless steel and non-galling alloy

- Electropolished product wetted components

- Complete pump unit comprising: Pump + Baseplate (mild or stainless steel) + coupling with guard + Geared electric motor suitable for (or supplied with) frequency speed control or manual variable speed drive (advise motor enclosure and electrical supply)

Materials for Mechanical Seals

Carbon/Stainless steel, Tungsten Carbide/Tungsten Carbide, Silicon Carbide/Silicon Carbide or variations of these materials to suit fluid being pumped and/or application requirements.

泵的规格

为了能够准确地选择一台旋转式凸轮转子泵，就需要取得一些基本信息。如果提供下列一些信息，将能够有助于我们的客户服务人员为您选择款型最为合适的泵。

产品/流体数据

需泵送的流体
 粘度
 流体比重(SG) / 密度
 泵送温度, 最低值, 正常值以及最高值
 原位清洗(CIP)所要求的温度, 最低值, 正常值以及最高值

性能数据

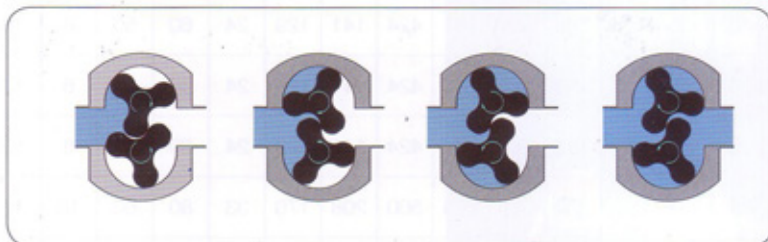
流量, 最低, 正常以及最高值
 扬程 / 压力(最接近泵的出口)
 吸入条件

可配型减速机

WR系列斜齿轮减速机(定速比)
 WR系列斜齿轮无级变频电机减速机(变频无极调速)
 MBN行星追盘无级变速机(手动无极调速)

工作原理图

Working Principle



WGZ型泵的正向排放, 是由非接触式、相向旋转的三菱或蝶式转子在全流线性泵腔内运行实现的。

The positive displacement of the WGZ series pump is provided by non-contacting, contra rotating tri-lobe or bi-lobe rotors within a fully swept pump chamber. All SRU pumps are capable of bi-rotational flow without modification.

Pump Sizing

In order to correctly size a rotary lobe pump some essential information is required. Provision of this information listed below enables our Customer Support personnel to obtain the optimum pump selection.

Product/Fluid Data

Fluid to be pumped
 Viscosity
 SG/Density
 Pumping temperature, minimum, normal and maximum
 Cleaning in Place temperature(s), minimum, normal and maximum

Performance Data

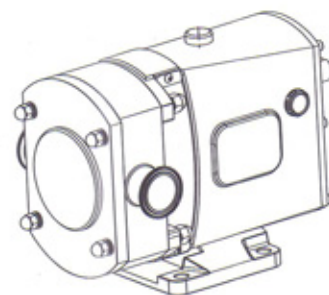
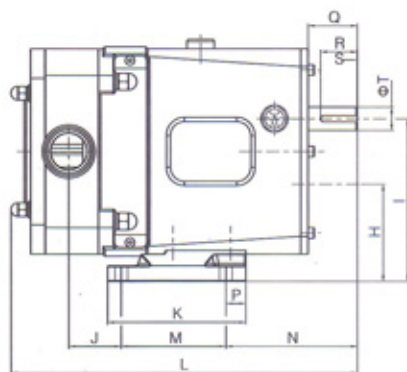
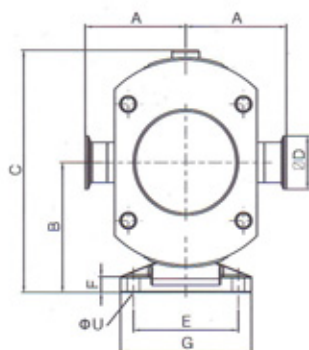
Flow rate, minimum, normal and maximum
 Discharge head/pressure (closest to pump outlet)
 Suction condition

Connection With Reducer

WR series helical gear (Fixed ratio)
 WR series helical gear with Frequency conversion motor)
 MBN series manual variable speed drive



可配型机
 Type models can be equipment



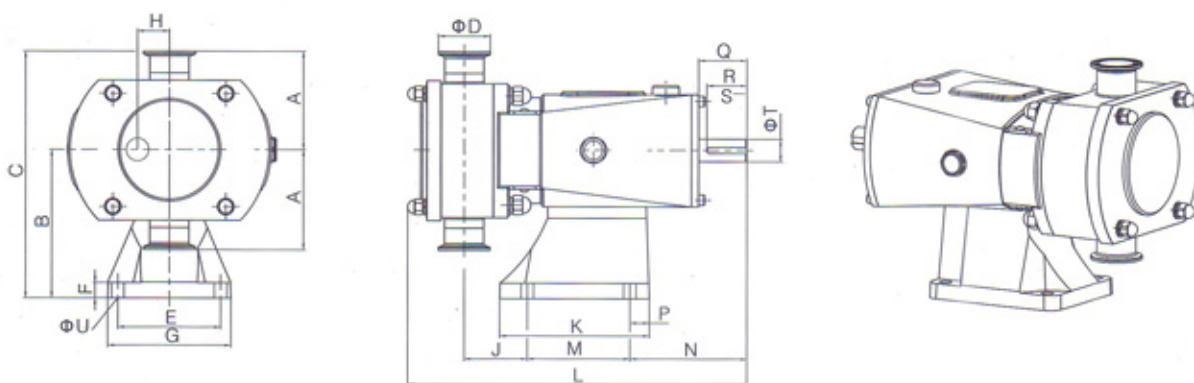
WGZ-L/0000 水平式

D 表示卫生接口的尺寸

S 表示键槽的宽度

U 表示泵脚孔直径

泵	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P	Q	R	S	U
WGZ-L1/025	96	123	229	DN25/1"	100	15	125	92	154	40	132	320	100	126	19	47	40	6	12
WGZ-L1/035	96	123	229	DN40/1.5"	100	15	125	92	154	50	132	330	100	126	19	47	40	6	12
WGZ-L1/048	96	123	229	DN50/2"	100	15	125	92	154	64	132	343	100	126	19	47	40	6	12
WGZ-L2/035	108	150	275	DN40/1.5"	120	20	155	150	189	72	181	424	141	129	24	60	50	8	13
WGZ-L2/048	108	150	275	DN50/2"	120	20	155	150	189	79	181	424	141	129	24	60	50	8	13
WGZ-L2/059	108	150	275	DN65/2.5"	120	20	155	150	189	84	181	424	141	129	24	60	50	8	13
WGZ-L2/072	108	150	275	3"	120	20	155	150	189	92	181	424	141	129	24	60	50	8	13
WGZ-L3/072	164	212	399	DN65/3"	190	25	234	212	272	70	275	560	208	170	33	80	60	10	15
WGZ-L3/080	164	212	399	DN80/3.5"	190	25	234	212	272	75	275	560	208	170	33	80	60	10	15
WGZ-L3/0100	164	212	399	DN100/4"	190	25	234	212	272	84	275	560	208	170	33	80	60	10	15
WGZ-L3/0125	164	212	399	DN1250/4.5"	190	25	234	212	272	97	275	560	208	170	33	80	60	10	15



WGZ-V/0000 垂直式

D 表示卫生接口的尺寸

S 表示键槽的宽度

U 表示泵脚孔直径

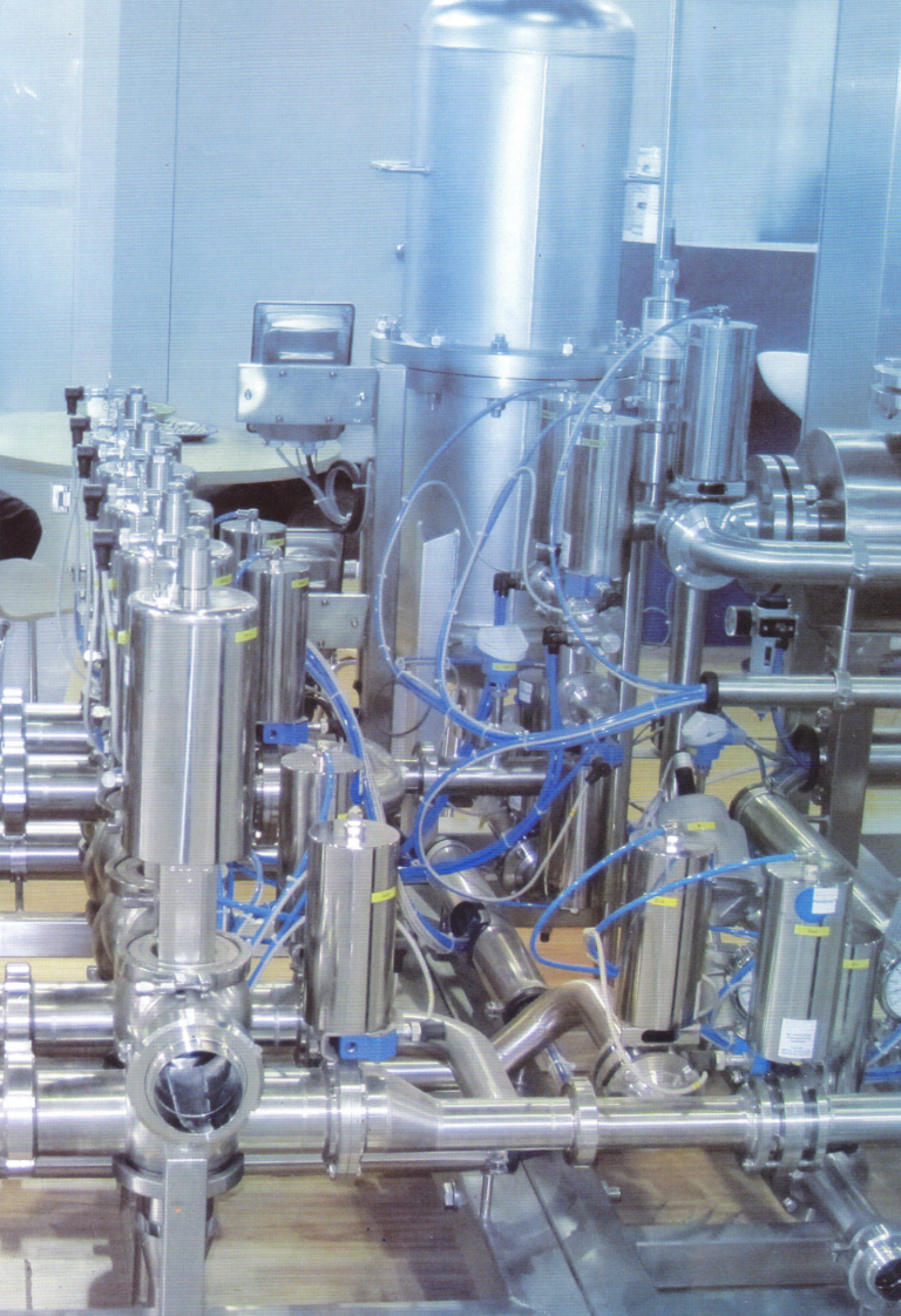
泵	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	U
WGZ-V1/025	96	143	239	DN25/1"	100	15	120	31	41	146	320	100	126	19	47	40	6	12
WGZ-V1/035	96	143	239	DN40/1.5"	100	15	120	31	46	146	330	100	126	19	47	40	6	12
WGZ-V1/048	96	143	239	DN50/2"	100	15	120	31	57	146	343	100	126	19	47	40	6	12
WGZ-V2/035	108	150	275	DN40/1.5"	120	20	155	39	68	181	424	141	129	24	60	50	8	13
WGZ-V2/048	108	150	275	DN50/2"	120	20	155	39	75	181	424	141	129	24	60	50	8	13
WGz-V2/059	108	150	275	DN65/2.5"	120	20	155	39	80	181	424	141	129	24	60	50	8	13
WGZ-V2/072	108	150	275	3"	120	20	155	39	90	181	424	141	129	24	60	50	8	13
WGZ-V3/072	164	212	399	DN65/3"	190	25	234	60	85	275	560	208	170	33	80	60	10	15
WGZ-V3/080	164	212	399	DN80/3.5"	190	25	234	60	88	275	560	208	170	33	80	60	10	15
WGZ-V3/0100	164	212	399	DN100/4"	190	25	234	60	97	275	560	208	170	33	80	60	10	15
WGZ-V3/0125	164	212	399	DN1250/4.5"	190	25	234	60	100	275	560	208	170	33	80	60	10	15

DF 系列卫生级蝶阀

DF Sanitary Butterfly Valve

这一款卫生型、自动型或手动型操作的蝶阀，广泛应用于啤酒、饮料、乳品、果汁、制药、生物工程等众多领域。





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这一款卫生型、自动型或手动型操作的蝶阀，广泛应用于啤酒、饮料、乳品、果汁、制药、生物工程等众多领域。

材质：

产品与介质接触部分: 304或316L

密封材料:

标配: 三元乙丙橡胶(EPDM)

另选: 硅橡胶(SILICON), 氟橡胶(FDM), 氯化丁腈橡胶(HNBR)

连接方式：

焊接式、螺纹式、卡箍式、螺焊式、对夹式

与管道或设备连接的方式均按DN11850、IDF/ISO、SMS国际标准尺寸制造，保障与进口设备的连接和互换。

手柄：

标配：金属手柄，增强尼龙手柄

选配：可调节手柄；按用户要求定做

气动头特征：

常开型(NO)弹簧开/气关

常闭型(NC)弹簧关 / 气开

带有开 / 关信号反馈的感应探头选择

外形紧凑，体积小，扭力大

安装简单、方便

Application

This sanitary type, automatic type or manual operated butterfly valves are suitable for all kinds of the stainless steel pipeline system.

Material

Material Contact Parts: 304 or 316L

Sealing material: standard EPDM, Silicon, FDM, HNBR for option

Joint style

weld, thread, clamp, weld/thread, flange

To assure the connection and substitution with imported facilities: all the connection styles with pipe or equipment are made to DIN 11850/IDF/ISO, SMS international standard size

Handle

Standard: reinforced nylon handle, metal handle

Option: adjustable handle

Pneumatic actuator features

NO spring open/pneumatic off

NC spring off/pneumatic open

ON/OFF signal feed back inductive probe for option

Compact appearance, small volume, large torque

Simple and convenient assembly



锻造阀体
Forging body

执行器使用压缩空气质量要求：

压缩空气连接：空气管配备空气接头R 1/8"

最大颗粒尺寸：0.01 mm

最大油含量：0.08ppm

露点：大气温度以下10°C或更低

最大水含量：7.5g/kg

优点：

全进口密封件：

A、卫生条件通过FDA认证

B、有较强的耐酸、碱和耐高温性能：

C、永久压缩变形小

精密锻造阀芯：耐压 ≤ 1.2 MPa，不弯曲；金相结构优于密铸件

外观设计：与国际最新款式同步

使用寿命：可与进口蝶阀媲美；密封件正常使用质保18个月

性能价格比：替代进口、节约成本、运行可靠

技术参数：

口径范围：DN25-DN200 1"~4"

耐受压力：10bar

供给压缩空气：最小：4bar 最大：8bar

气动头扭矩：40Nm

光洁度：切削：Ra1.6~3.2 μ m 抛光：Ra0.4~0.8 μ m

Requirements for compressed air quality that the executor needs

Compressed air joint: air pipe equipped with air adapter R1/8"

Max grain size: 0.01mm

Max oil content: 0.08ppm

Dew point: below 10°C or less

Max water content: 7.5g/kg

Advantages

Imported seals:

A. Passed FDA certification:

B. better acid proof, alkali proof and high temperature performance;

C. Less permanent compressive deform.

Investment for ring valve plug: Pressure durability ≤ 1.2 Mpa

Metallographic structure better than casting ones

Apparent design: In the same step with international fashion-style

Service life: The same as imported butterfly valve;

18 months quality guarantee on seal under normal circumstance

Cost performance: Import substituted, cost saved, reliable operation

Technical parameter

OD Range: DN25-DN200 1"~4"

Anti-pressure: 10bar

Compressed air supply: Min: 4bar

Max: 8bar

Pneumatic actuator torque: 40Nm

Finish: Cutting: Ra 1.6-3.2 μ m

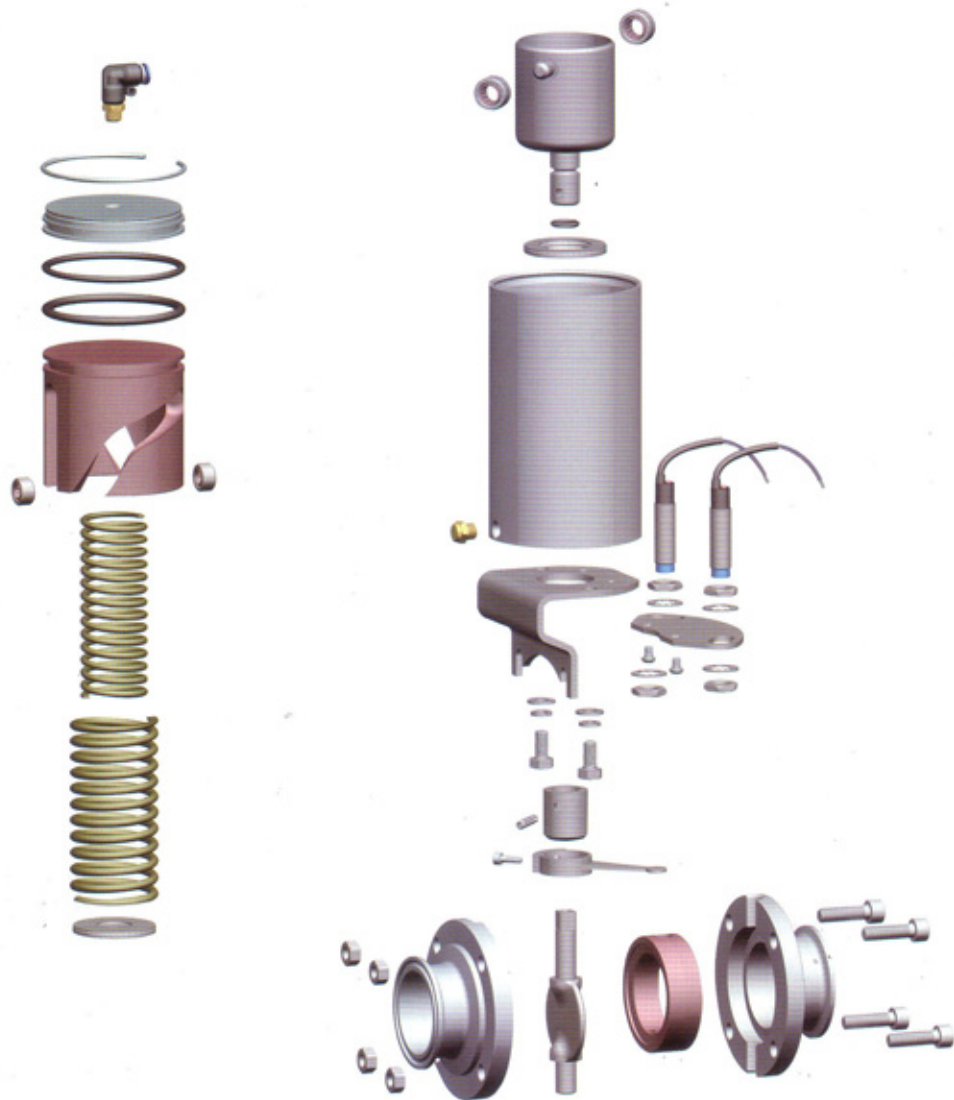
Polish: Ra0.4~0.8 μ m



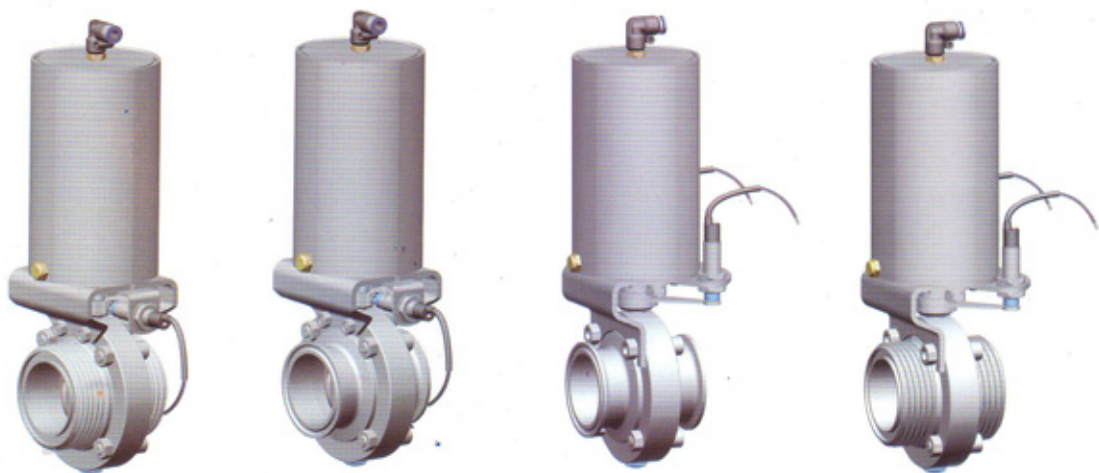
密封圈
Seal

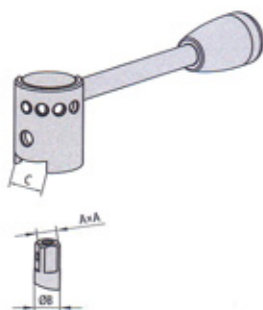


锻造蝶板
Forging disc



带位置传感器的气动执行器
Pneumatic actuator with position sensor

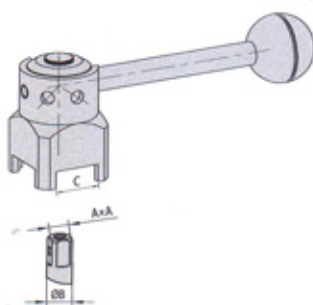




A型 圆头拉式手柄
A type round pull handle

SIZE	A	B	C	H	
DN25-DN65	1.0"-3.0"	10*10	11.8	20	140
DN80-100	4.0"	10*10	13.8	20	155
DN125-DN150	5.0"-6.0"	12*12	15.0	30	190

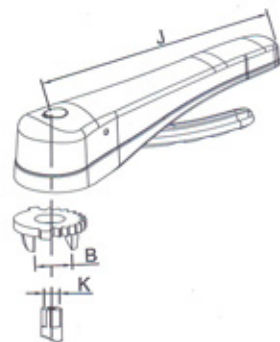
调节方式：2个定位、3个定位、4个定位；可装配所有蝶阀。
Adjusting: 2 position, 3 position, 4 position used for butterfly valve



B型 方头拉式手柄
B type square pull handle

SIZE	A	B	C	H	
DN25-DN65	1.0"-3.0"	10*10	11.8	20	140
DN80-100	4.0"	10*10	13.8	20	155
DN125-DN150	5.0"-6.0"	12*12	15.0	30	190

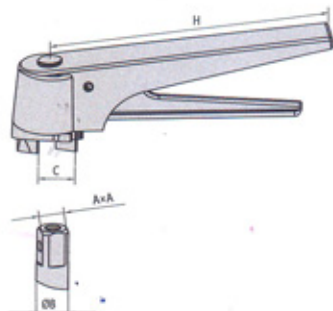
调节方式：2个定位、3个定位、4个定位；可装配所有蝶阀。
Adjusting: 2 position, 3 position, 4 position used for butterfly valve



C型 多定位钳式手柄
C type multi-position handle

Size	B	J	K
DN10-DN40 Ø19-Ø45 1/2"-1 1/2"	20.2	144	8x8
DN50 Ø48-Ø51 2"	22.2	144	10x10
DN65 Ø63-Ø76 2 1/2"-3"	22.2	160	10x10
DN80-DN100 Ø89-Ø108 3 1/2"-4"	22.2	160	11x11

调节方式：可通过15°位置调节开启大小，共有十三个档位；可装配所有蝶阀。
Adjusting: adjustmet 15°, 13 position used for butterfly valve

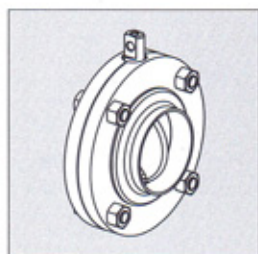


D型 不锈钢多位手柄
D type stainless steel multi-position handle

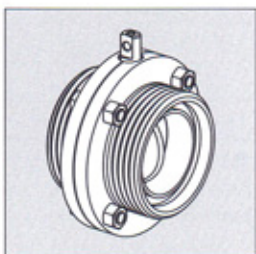
SIZE	A	B	C	H	
DN25-DN50	1.0"-2.0"	8	11.8	20	155
DN65	2.5"-3.0"	10	11.8	20	155
DN80-100	4.0"	10	13.8	20	155

调节方式：可通过15°位置调节开启大小，共有十三个档位；可装配所有蝶阀。
Adjusting: adjustmet 15°, 13 position used for butterfly valve

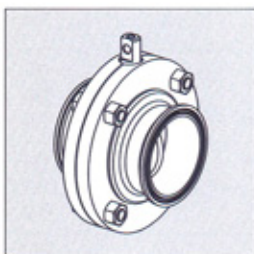
阀体组合形式 body type



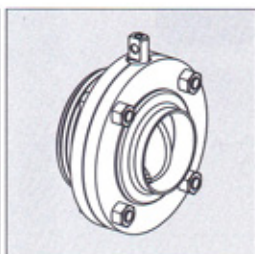
焊接 - 焊接式
Weld-Weld series



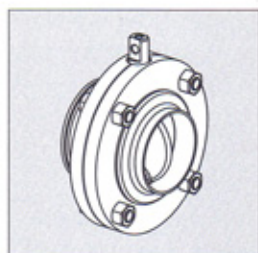
螺纹 - 螺纹式
Male-Male series



快装 - 快装式
Clamp-Clamp series



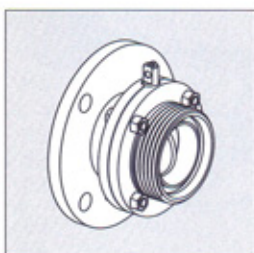
焊接 - 螺纹式
Weld-Male series



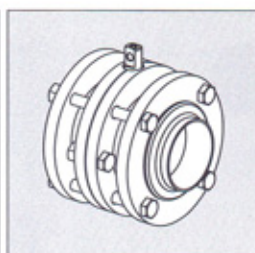
焊接 - 快装式
Weld-Clamp series



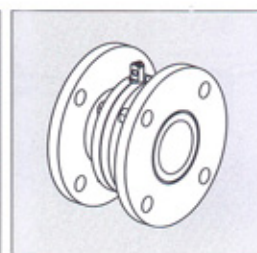
外螺纹 - 接头式
Male-Liner series



螺纹 - 法兰式
Male-Flange series



三片式法兰式
Three-piece series

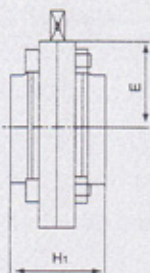


法兰 - 法兰式
Flange-Flange series

WGJ型用于ISO标准管路

WGJ Type is Used for ISO Standard Tube Road

1001



H1	E	ISO
47	34.5	25
47	34.5	32
47	34.5	38
52	46.2	51
54	53.5	63.5
56	61.3	76.1
68	78.0	101.6

WGJ-2型用于DIN标准管路

WGJ-2 Type is Used for DIN Standard Tube Road

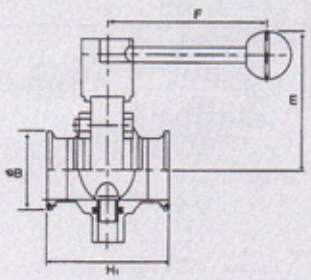
1002



H1	E	DIN
47	34.5	25
47	34.5	32
47	39.7	40
52	46.2	50
54	57.3	65
58	66.5	80
68	78	100
68	96.5	125
68	108.5	150
68	151	200

ISO快装蝶阀
ISO Clamp Butterfly Valve

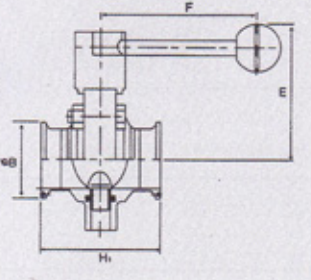
No.1001



ISO	H1	E	B	F
25	66	67	50.5	115
31.8	66	67	50.5	115
38	66	67	50.5	115
51	70	76	64	115
63.5	70	87	77.5	140
76.2	74	106	91	160
101.6	80	114	119	180

DIN快装蝶阀
DIN Clamp Butterfly Valve

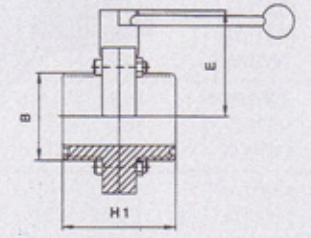
No.1002



DIN	H1	E	B	F
25	66	67	50.5	115
32	66	67	50.5	115
40	66	67	50.5	115
50	70	76	64	115
65	70	87	77.5	140
80	74	106	91	160
100	80	114	119	180

SMS外螺纹蝶阀
SMS Threaded Butterfly Valve

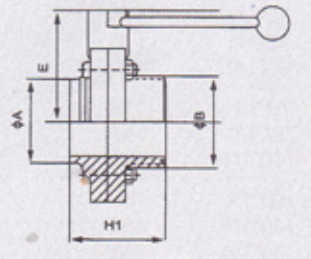
No.1003



Size	H1	B	E
25	76	40*1/6	67
32	76	48*1/6	67
38	76	60*1/6	67
51	76	70*1/6	76
63.5	80	85*1/6	84
76.1	84	98*1/6	91
101.2	90	124*1/6	114

SMS (一边焊接, 一边螺纹) 蝶阀
SMS (Welded/Threaded) Butterfly Valve

No.1004

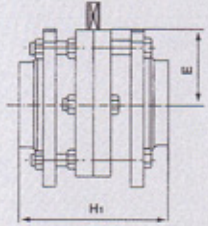


Size	H1	B	A	B
25	61.5	67	25.4*1.5	40*1/6
32	61.5	67	31.8*1.5	48*1/6
38	61.5	67	38.1*1.5	60*1/6
51	64	76	50.8*1.5	70*1/6
63.5	67	84	63.5*2	85*1/6
76.1	70	91	76.1*2	98*1/6
101.2	79	114	101.6*2	124*1/6

WGJ-F (法兰型) 用于ISO标准管路

WGJ-F(Flang Type) is Used for ISO Standard Tube Road

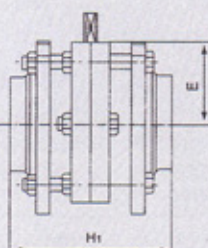
No.1005

	H1	E	ISO
	90	34.5	25
	90	34.5	32
	90	34.5	38
96	46.5	51	
98	53.5	63.5	
102	61.5	76.1	
114	78	101.6	

WGJ-F (法兰型) 用于DIN标准管路

WGJ-F(Flang Type) is Used for DIN Standard Tube Road

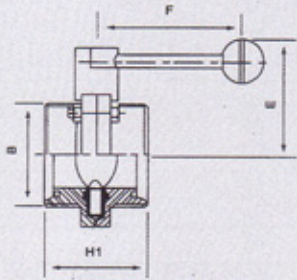
No.1006

	H1	E	DIN
	90	34.5	25
	90	34.5	32
	90	40	40
96	46.5	50	
98	57.5	65	
106	66.5	80	
110	78	100	
128	96.5	125	
128	108.5	150	
144	151	200	

外螺蝶阀

Threaded Butterfly Valve

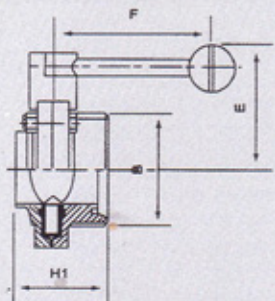
No.1007

	Size	H1	E	B	F
	25	76	67	52*1/6	115
	32	76	67	58*1/6	115
	40	76	67	65*1/6	115
50	76	76	78*1/6	115	
65	80	87	95*1/6	140	
80	84	106	110*1/4	160	
100	90	114	130*1/4	180	
125	90	142	160*1/4	180	
150	90	154	190*1/4	180	

焊接/外螺蝶阀

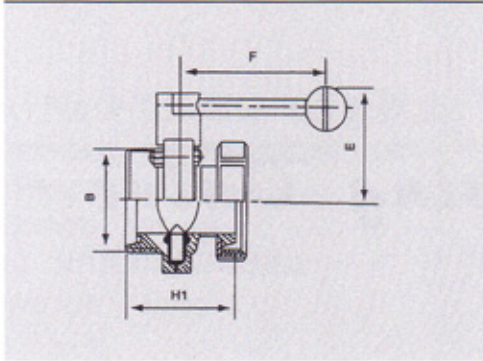
Welded/Threaded Butterfly Valve

No.1008

	Size	H1	E	B	F
	25	61.5	67	52*1/6	115
	32	61.5	67	58*1/6	115
	40	61.5	67	65*1/6	115
50	64	76	78*1/6	115	
65	67	87	95*1/6	140	
80	71	106	110*1/4	160	
100	79	114	130*1/4	180	
125	79	142	160*1/4	180	
150	79	154	190*1/4	180	

外螺/接头蝶阀
Threaded/Union Butterfly Valve

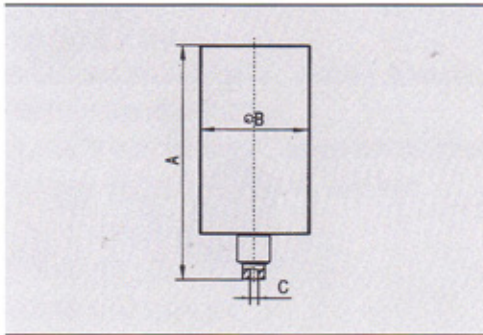
No.1009



Size	H1	E	B	F
25	78.5	67	52*1/6	115
32	78.5	67	58*1/6	115
40	78.5	67	65*1/6	115
50	83	76	78*1/6	115
65	90	87	95*1/6	140
80	95	106	110*1/4	160
100	105	114	130*1/4	180
125	105	142	160*1/4	180
150	105	154	190*1/4	180

ISO标准蝶阀气动头
ISO Butterfly Actuator

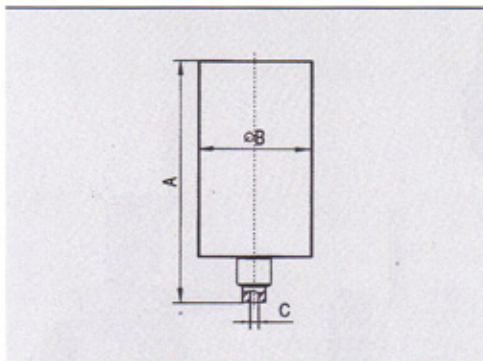
No.1010



Size	A	B	C
25	185	85	10.1
32	185	85	10.1
38	185	85	10.1
51	185	85	10.1
63.5	185	85	10.1
76.2	185	85	10.1
101.6	307.5	133	12.1

DIN标准蝶阀气动头
DIN Butterfly Actuator

NO.1011



Size	A	B	C
25	185	85	10.1
32	185	85	10.1
40	185	85	10.1
50	185	85	10.1
65	185	85	10.1
80	185	85	10.1
100	307.5	133	12.1
125	307.5	133	12.1
150	307.5	133	14.1

HX 系列卫生级换向阀

HX Sanitary Reversing Valve

该换向座阀是一种卫生级单座气动操作阀门，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。





HX 系列卫生级换向阀 HX Sanitary Reversing Valve



应用：

该换向座阀是一种卫生级单座气动操作阀门，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。

设计和特点

阀体采用国内最先进锻压设计
尺寸从DN25/1"到DN100/4"
标准为常闭型阀门(NC)
通过简单的改变气动执行器的活塞，阀门就可以转变成常开型(NO)
根据3A 标准卫生设计
360度可调节外部结构
开启的窗口用于观看检查轴密封情况
通过松开卡箍，就可以简单的拆卸内部部件
焊接式连接口（毫米或英寸）

选项

垫圈：FPM（氟橡胶），符合 FDA 177.2600
连接：DIN, 卡箍, SMS, RJT, FIL-IDF...
双作用气动执行器
"双阻止"执行器
外置传感器
蒸汽消毒（如果轴需要杀菌）
C-TOP 控制单元
表面处理：Ra ≤0.5 μm
手动操作

操作原理

该座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: AISI 316L、AISI 304
其他部分为不锈钢: AISI 304
密封圈: EPDM 根据FDA 177.2600
内表面处理: Ra ≤0.8 μm
外表面处理: 喷砂、抛光

技术规范

规格: DN25-DN100 DN1"-DN4"
工作温度: -10 °C到+120°C(EPDM)
14°F到248°F
+140 (SIP 30min)
284°F
最大工作压力: 10 bar 145 PSI
压缩空气压力: 6-8 bar 87-116 PSI
气源连接: G1/8" (BSP)

Applications

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

Design and features

- Compact and robust design. 3A certified valve.
- Available sizes: from DN 25/1" to DN 100/4".
- Normally closed valve (NC) in the standard version.
- The valve can be changed to normally open (NO) by simply reversing the position of the pneumatic actuator.
- Hygienic design according to 3A standards.
- 360° adjustable body.
- Open lantern allows visual inspection of shaft sealing.
- Easy assembly/disassembly of internal parts by loosening a clamp fastener.
- Standard weld connections (mm or inches).

Options

- Gaskets: FPM (Viton (R)) in compliance with FDA 177.2600
- Connections: DIN, Clamp, SMS, RJT, FIL-IDF, etc.
- Double-acting pneumatic actuator.
- "Twin-Stop" actuator.
- External position sensors.
- Steam barrier (if shaft sterilisation is required).
- Jacketed body.
- C-TOP control unit.
- Surface finish: $Ra \leq 0,5 \mu m$
- Manual actuation.
- Material and roughness certificates.

Operating principle

Seat valves are operated automatically by a single-acting or a double-acting pneumatic actuator. By supplying compressed air, the shaft is moved to place the valve in the "open" or "closed" position.

The 180° rotation of the pneumatic cylinder of single-acting actuators allows to have a normally open or normally closed valve.

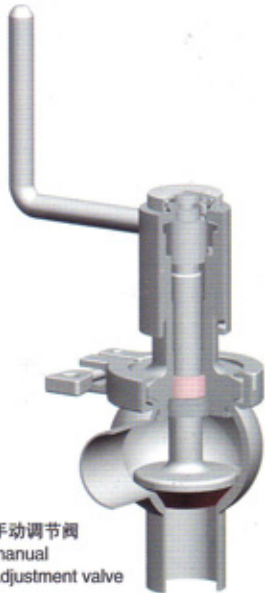
Materials

- Parts in contact with the product: AISI 316L, AISI 304
- Other parts in stainless steel: AISI 304
- Gasket: EPDM according to FDA 177.2600
- Internal surface finish: $Ra \leq 0.8 \mu m$
- External surface finish: bright polish

Technical specifications

- Available sizes : DN 25 - DN 100 DN 1" - DN 4"
- Working temperature : -10 °C to +120°C (EPDM) 14°F to 248 °F
+140 °C (SIP, max. 30 min) 284 °F
- Max. working pressure : 10 bar 145 PSI
- Compressed air pressure : 6-8 bar 87-116 PSI
- Air connectons : G1/8" (BSP)





阀体组合

该阀体组合图也适用于手动换向阀

阀体组合20型和30型阀体为单座阀

阀体组合21型, 22型, 31型, 32型阀体为双座阀

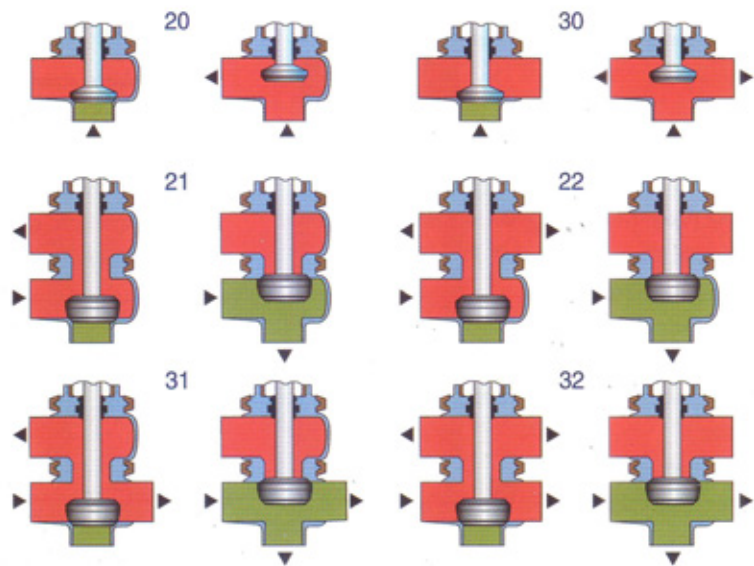
Operating principle

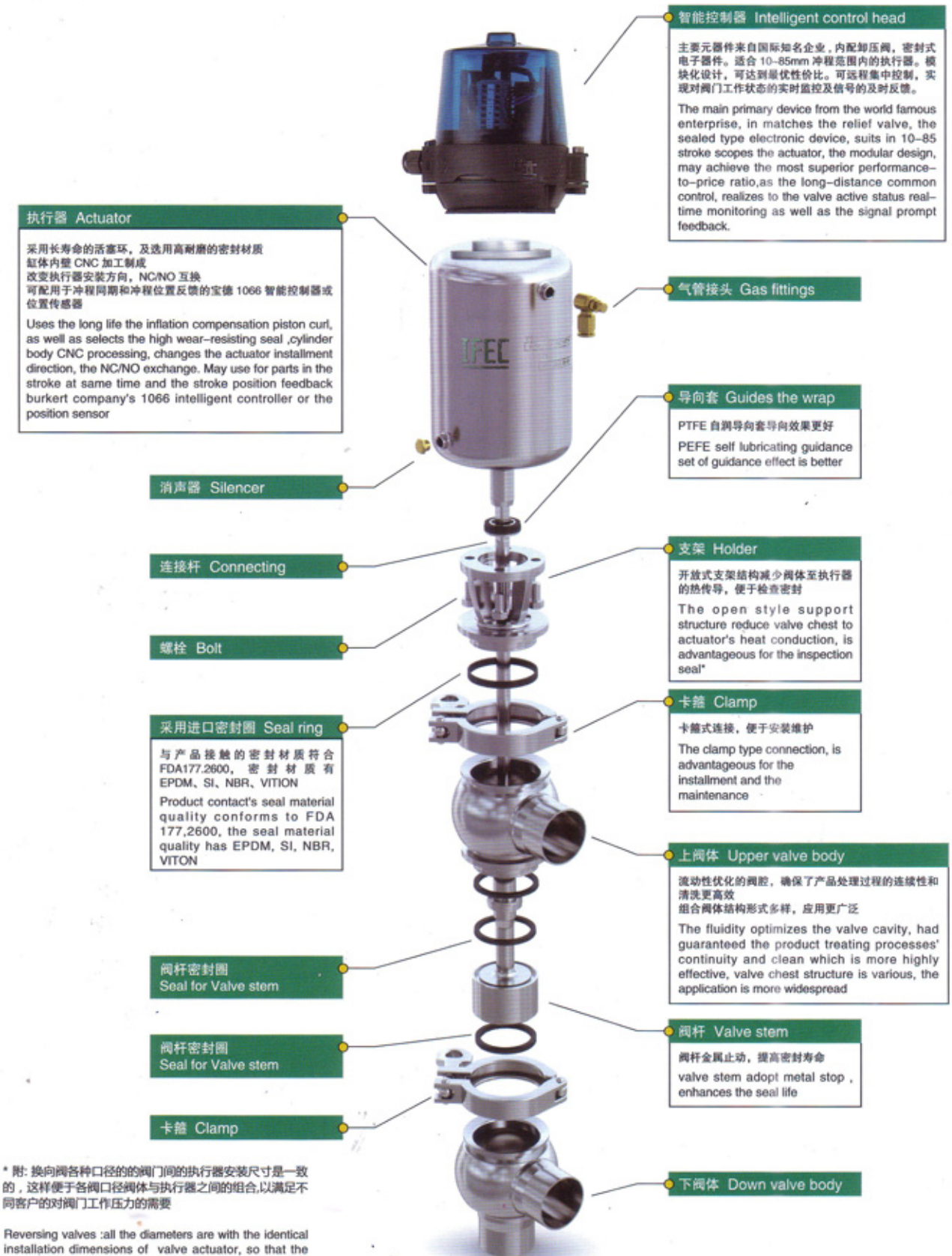
The valve body combination is also suitable for the divert seat valve manually.

The valve body combination with 20 type and 30 type is single-seat valve.
The valve body combination with 21 type, 22 type, 31 type and 32 type is double-seat valve.

以下组合图为流体推荐示意图

Below combination it is reference for diagram of fluid.





执行器 Actuator

采用长寿命的活塞环，及选用高耐磨的密封材质
缸体内壁 CNC 加工制成
改变执行器安装方向，NC/NO 互换
可配用于冲程周期和冲程位置反馈的宝德 1066 智能控制器或位置传感器
Uses the long life the inflation compensation piston curl, as well as selects the high wear-resisting seal ,cylinder body CNC processing, changes the actuator installment direction, the NC/NO exchange. May use for parts in the stroke at same time and the stroke position feedback burkert company's 1066 intelligent controller or the position sensor

智能控制器 Intelligent control head

主要元器件来自国际知名企业，内配卸压阀，密封式电子器件。适合 10-85mm 冲程范围内的执行器。模块化设计，可达到最佳性价比。可远程集中控制，实现对阀门工作状态的实时监控及信号的及时反馈。

The main primary device from the world famous enterprise, in matches the relief valve, the sealed type electronic device, suits in 10-85 stroke scopes the actuator, the modular design, may achieve the most superior performance-to-price ratio,as the long-distance common control, realizes to the valve active status real-time monitoring as well as the signal prompt feedback.

气管接头 Gas fittings

导向套 Guides the wrap

PTFE 自润导向套导向效果更好
PEFE self lubricating guidance set of guidance effect is better

消声器 Silencer

连接杆 Connecting

支架 Holder

开放式支架结构减少阀体至执行器的热传导，便于检查密封
The open style support structure reduce valve chest to actuator's heat conduction, is advantageous for the inspection seal*

螺栓 Bolt

卡箍 Clamp

卡箍式连接，便于安装维护
The clamp type connection, is advantageous for the installment and the maintenance

采用进口密封圈 Seal ring

与产品接触的密封材质符合 FDA177,2600，密封材质有 EPDM、SI、NBR、VITON
Product contact's seal material quality conforms to FDA 177,2600, the seal material quality has EPDM, SI, NBR, VITON

上阀体 Upper valve body

流动性优化的阀腔，确保了产品处理过程的连续性和清洗更高效
组合阀体结构形式多样，应用更广泛
The fluidity optimizes the valve cavity, had guaranteed the product treating processes' continuity and clean which is more highly effective, valve chest structure is various, the application is more widespread

阀杆密封圈 Seal for Valve stem

阀杆 Valve stem

阀杆金属止动，提高密封寿命
valve stem adopt metal stop , enhances the seal life

阀杆密封圈 Seal for Valve stem

卡箍 Clamp

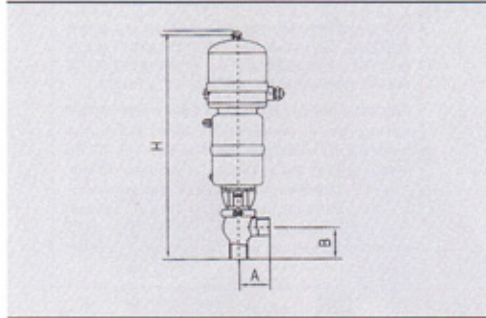
下阀体 Down valve body

* 附：换向阀各种口径的的阀体间的执行器安装尺寸是一致的，这样便于各阀口径阀体与执行器之间的组合，以满足不同客户的对阀门工作压力的需要

Reversing valves :all the diameters are with the identical installation dimensions of valve actuator, so that the access of all the diameter of valve body can match the actuator and meet different customer requirements of working pressure on valve .

WGP卫生型气动截止阀-20
WGP Sanitary Pneumatic Stop Valve-20

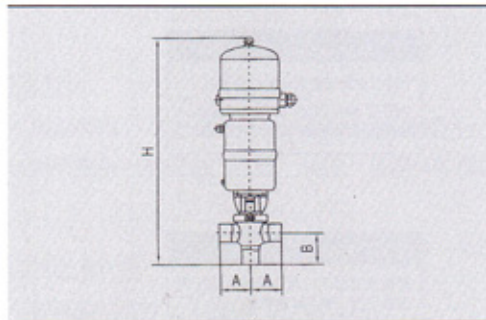
No.1012



A		B		H	
62	50	485	38	40	
74	72	528	51	50	
86	76	539	63.5		
93.5	93.5	585	76.2	65	
100	100	596		80	
116	116	623	101.6	100	

WGP卫生型气动截止阀-30
WGP Sanitary Pneumatic Stop Valve-30

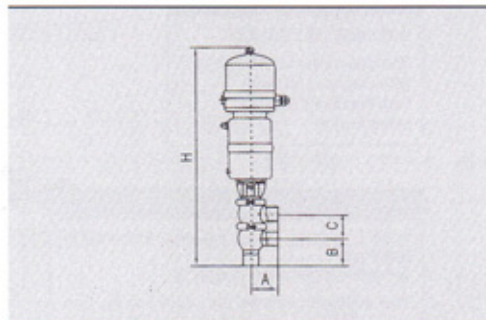
No.1013



A		B		H	
62	50	485	38	40	
74	72	528	51	50	
86	76	539	63.5		
93.5	93.5	585	76.2	65	
100	100	596		80	
116	116	623	101.6	100	

WGP卫生型气动截止阀-21
WGP Sanitary Pneumatic Stop Valve-21

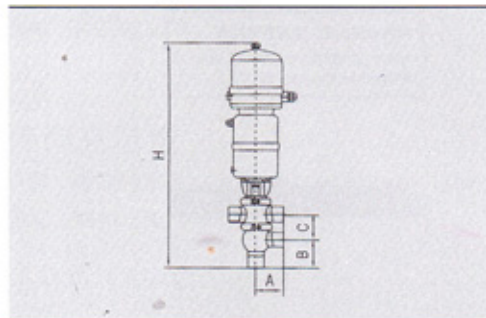
No.1014



A		B		C		H	
62	50	67	552	38	40		
74	72	76	604	51	50		
86	76	88	628	63.5			
93.5	93.5	101.6	686	76.2	65		
100	100	111.5	707		80		
116	116	131.5	753	101.6	100		

WGP卫生型气动截止阀-22
WGP Sanitary Pneumatic Stop Valve-22

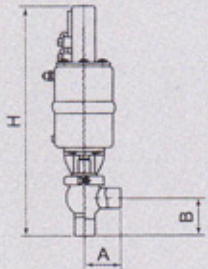
No.1015



A		B		C		H	
62	50	67	552	38	40		
74	72	76	604	51	50		
86	76	88	628	63.5			
93.5	93.5	101.6	686	76.2	65		
100	100	111.5	707		80		
116	116	131.5	753	101.6	100		

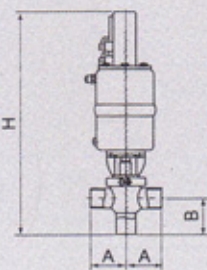
截止阀-20
Stop Valve-20

No.1016

	A		B		H	
	62	50	400	38	40	
	74	72	453	51	50	
	86	76	464	63.5		
	93.5	93.5	511	76.2	65	
	100	100	522		80	
	116	116	550	101.6	100	

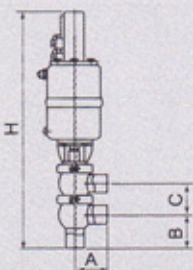
截止阀-30
Stop Valve-30

No.1017

	A		B		H	
	62	50	400	38	40	
	74	72	453	51	50	
	86	76	464	63.5		
	93.5	93.5	511	76.2	65	
	100	100	522		80	
	116	116	550	101.6	100	

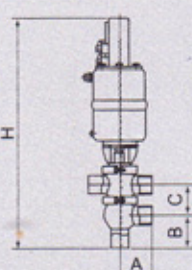
截止阀-21
Stop Valve-21

No.1018

	A		B		C		H	
	62	50	67	465	38	40		
	74	72	76	532	51	50		
	86	76	88	557	63.5			
	93.5	93.5	101.6	613	76.2	65		
	100	100	111.5	634		80		
	116	116	131.5	680	101.6	100		

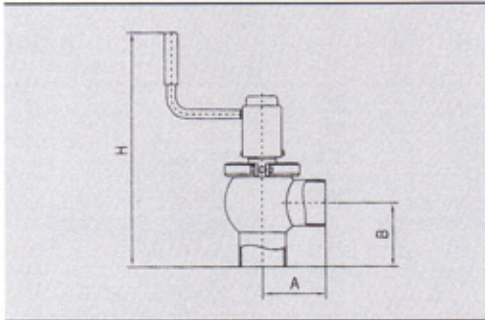
截止阀-22
Stop Valve-22

No.1019

	A		B		C		H	
	62	50	67	465	38	40		
	74	72	76	532	51	50		
	86	76	88	557	63.5			
	93.5	93.5	101.6	613	76.2	65		
	100	100	111.5	634		80		
	116	116	131.5	680	101.6	100		

WGP卫生型手动截止阀-20
WGP Sanitary Manual Stop Valve-20

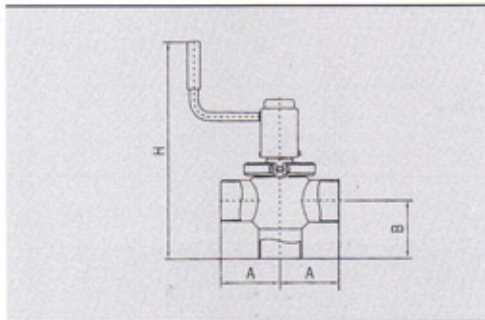
No.1020



A		B		H	
62	50	250	38	40	
74	72	264	51	50	
86	76	275	63.5		
93.5	93.5	315	76.2	65	
100	100	330		80	
116	116	353	101.6	100	

WGP卫生型手动截止阀-30
WGP Sanitary Manual Stop Valve-30

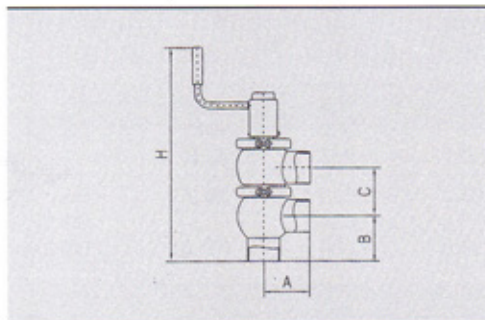
No.1021



A		B		H	
62	50	250	38	40	
74	72	264	51	50	
86	76	275	63.5		
93.5	93.5	315	76.2	65	
100	100	330		80	
116	116	353	101.6	100	

WGP卫生型手动截止阀-21
WGP Sanitary Manual Stop Valve-21

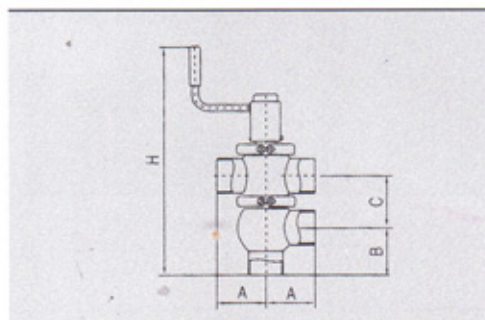
No.1022



A		B		C		H	
62	50	67	317	38	40		
74	72	76	337	51	50		
86	76	88	359	63.5			
93.5	93.5	101.6	417	76.2	65		
100	100	111.5	440		80		
116	116	131.5	485	101.6	100		

WGP卫生型手动截止阀-22
WGP Sanitary Manual Stop Valve-22

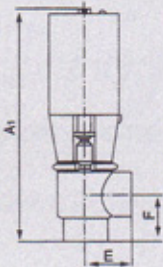
No.1023



A		B		C		H	
62	50	67	317	38	40		
74	72	76	337	51	50		
86	76	88	359	63.5			
93.5	93.5	101.6	417	76.2	65		
100	100	111.5	440		80		
116	116	131.5	485	101.6	100		

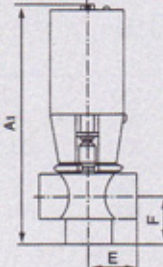
截止阀-20
Stop Valve-20

No.1024

	E		F		C		A	
	92.5	116.5	79	106	350	38	40	
	68	64	50	65	360	51	50	
	85	85	70	70	410	63.5	65	
	92.5	116.5	79	106	450	76.1	80	
					490	101.6	100	

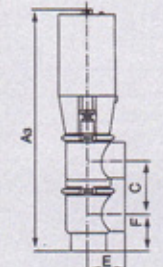
截止阀-30
Stop Valve-30

No.1025

	E		F		C		A	
	92.5	116.5	79	106	350	38	40	
	68	64	50	65	360	51	50	
	85	85	70	70	410	63.5	65	
	92.5	116.5	79	106	450	76.1	80	
					490	101.6	100	

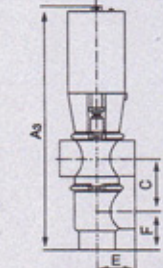
截止阀-21
Stop Valve-21

No.1026

	E		F		C		A	
	92.5	116.5	79	106	101.5	38	40	
	68	64	50	65	90	445	50	
	85	85	70	70	117.2	450	51	
	92.5	116.5	79	106	128	515	63.5	
					175	670	65	
						570	76.1	
						670	101.6	
							80	
							100	

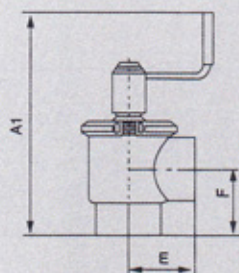
截止阀-22
Stop Valve-22

No.1027

	E		F		C		A	
	92.5	116.5	79	106	101.5	38	40	
	68	64	50	65	90	445	50	
	85	85	70	70	117.2	450	51	
	92.5	116.5	79	106	128	515	63.5	
					175	670	65	
						570	76.1	
						670	101.6	
							80	
							100	

WGP卫生型手动截止阀-20
WGP Sanitary Manual Stop Valve-20

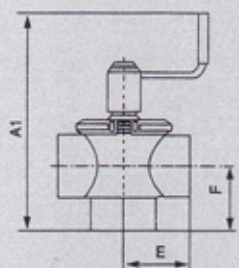
No.1028



E	F	C	A1		
68	50		257	38	40
64	65		257	51	50
85	70		300	63.5	65
92.5	79		322	76.1	80
116.5	106		369	101.6	100

WGP卫生型手动截止阀-30
WGP Sanitary Manual Stop Valve-30

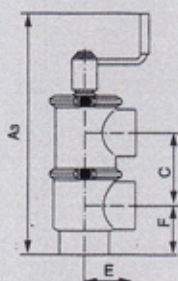
No.1029



E	F	C	A1		
68	50		257	38	40
64	65		257	51	50
85	70		300	63.5	65
92.5	79		322	76.1	80
116.5	106		369	101.6	100

WGP卫生型手动截止阀-21
WGP Sanitary Manual Stop Valve-21

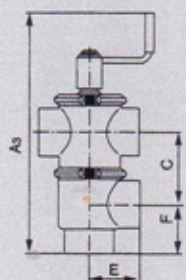
No.1030



E	F	C	A3		
68	50	101.5	257	38	40
64	65	90	257	51	50
85	70	107.2	300	63.5	65
92.5	79	128	322	76.1	80
116.5	106	175	369	101.6	100

WGP卫生型手动截止阀-22
WGP Sanitary Manual Stop Valve-22

No.1031



E	F	C	A3		
68	50	101.5	257	38	40
64	65	90	257	51	50
85	70	107.2	300	63.5	65
92.5	79	128	322	76.1	80
116.5	106	175	369	101.6	100

GM 系列卫生隔膜阀

GM Diaphragm Valves

隔膜阀，手动或气动操作，专门应用于制药工业中的卫生和无菌过程。

该阀门非常适用于流体控制和开/关的任务。



GM 系列卫生隔膜阀 GM Diaphragm Valves



FDA 177.2600



**EPDM SILICON
VITON PTFE+EPDM**

应用

隔膜阀，手动或气动操作，专门应用于制药工业中的卫生和无菌过程。
该阀门非常适用于流体控制和开/关的任务。

工作原理

膜片提供阀体密封和阀座密封。里面没有路径通到外部环境，所以该阀门适用于无菌过程。

当阀门关闭时，支撑膜片的压力垫朝阀体上的密封面移动。当压力板移动时，膜片弯曲，被迫推向阀体中心的阀座区域，因此关闭了通向阀体的流体路径。

阀体和压力板的相互关系，防止了膜片的挤压。

该阀门可以手动也可以气动操作，也可以通过控制器和电磁阀控制。

技术规格

最大压力 10bar (145 PSI)

最大工作温度 -10°C +120°C (EPDM) -14 °F +248 °F (+140 °C (SIP, 30) 284 °F)

认证：PED 97/23 EC

设计和特点

该隔膜阀同其他阀门设计相比，该阀门有着优越的流量特点。更容易清洁，很好的处理带颗粒的物料，在流量控制的应用上，气穴现象也更少些。

迷你型隔膜阀规格：1/4" 3/8" 1/2" 3/4"

隔膜阀规格：1" 1 1/4" 1.5" 2" 2.5" 3" 4"

适用于CIP/SIP

和物料接触部分 AISI 316L

其他不锈钢部分 AISI 304

内表面处理 亮光Ra ≤ 0.5 μm

外表面处理 亚光/亮光

选项

连接（标准）：卡箍、焊接、螺纹，DIN SMS IDF ISO 3A BPE

阀体结构：直通、三通、U型

膜片材料：EPDM, SILICON(硅胶) VITON (氟胶) EPDM+PTFE(双层膜片)符合FDA 177.2600

Applications

Diaphragm valves, manually or pneumatically operated, are specifically designed for use on hygienic and aseptic processes in the pharmaceutical industries. The valve is excellent for flow control as well as for open/close duties.

Operating Principles

The diaphragm provides the body seal as well as the seat seal. There are no paths to the outside environment and as such the valve is suitable for aseptic processes. As the valve is closed a pressure pad which supports the diaphragm moves towards the sealing face on the body. As the pressure plate moves the diaphragm flexes and is forced down onto the seat area in the centre of the body thus closing off the flow path through the body. The inter-relationship of body to the pressure plate prevents over compression of the diaphragm. The valve can be actuated either manually or pneumatically and controlled by control tops and solenoid valves.

Technical specifications

Max. pressure: 10 BAR(145PSI)
 Working temperature: -10°C to +120°C (EPDM) -14 °F to 248 °F
 (+140°C (SIP, max. 30 min) 284 °F)
 Approved according to Directive PED 97/23 EC

Options

Connections(standard): clamp, weld, thread, DIN SMS
 IDF ISO 3A BPE
 Body construction: Straight, Three ways, U type
 Diaphragms in EPDM, SILICON, VITON, EPDM+PTFE, all of them according to FDA 177.2600

Design and features

The diaphragm valves are better in feature of flow in comparison with other valves. It is easier to clean up and better to process the substance with particles. The phenomenon of air pocket is rare during application of flow control.

Mini diaphragm valve available size: 1/4", 3/8", 1/2", 3/4",

Diaphragm valve available size: 1", 1 1/4", 1 1/2", 2", 2.5", 3", 4"

Suitable for CIP/SIP.

Parts in contact with the product: AISI 316L,

Other stainless steel parts: AISI 304,

Internal surface finish bright, Ra ≤ 0.5 µm

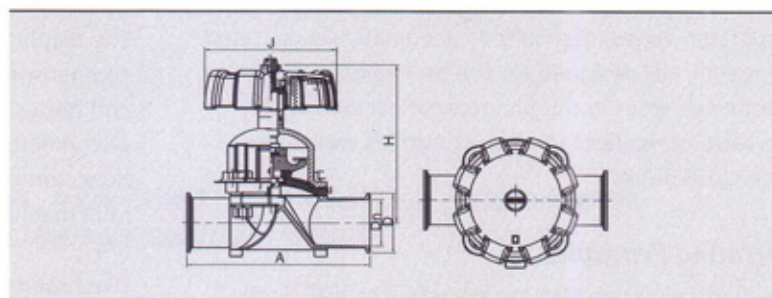
External surface finish satin/bright



直通卡箍式隔膜阀

Clamped straight diaphragm valve

No.1032



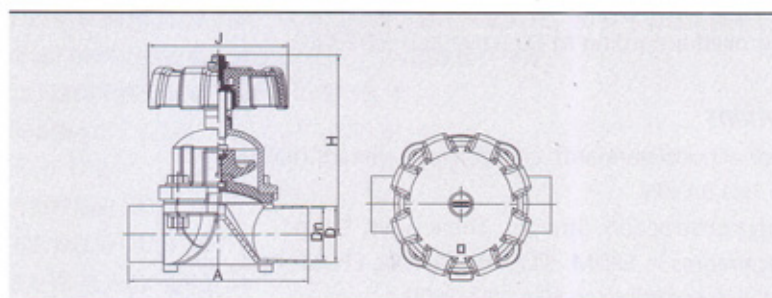
SIZE	Dn	D	A	H	J
DN20	20	34	145.4	126	90
DN25	26	50.5	145.4	126	90
DN32	32	50.5	178.4	142.4	114
DN40	38	50.5	178.4	142.4	114
DN50	50	64	198.4	183.5	140
DN65	66	91	259	200	140
DN80	81	106	297	220	140
DN100	100	119	348	240	140

SIZE	Dn	D	J	A	H
1"	22.4	50.5	90	145.4	126
1.25"	28.8	50.5	114	178.4	142.4
1.5"	35	50.5	114	178.4	142.4
2"	47.8	64	140	198.4	183.8
2.5"	59.5	77.5	140	259	190
3"	72.2	91	140	259	200
3.5"	85	106	140	297	220
4"	97.6	119	140	348	240

直通焊接式隔膜阀

Welded straight diaphragm valve

No.1033



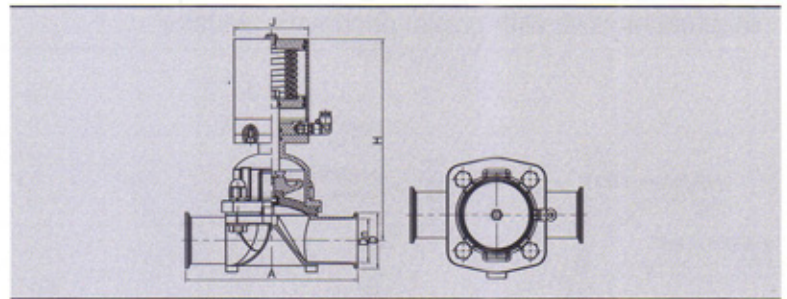
SIZE	Dn	D		A	H	J
		1	2			
DN20	20	22	23	145.4	126	90
DN25	26	28	29	145.4	126	90
DN32	32	34	35	178.4	142.4	114
DN40	38	40	41	178.4	142.4	114
DN50	50	52	53	198.4	183.5	140
DN65	66	70	-	259	200	140
DN80	81	85	-	297	220	140
DN100	100	104	-	348	240	140

SIZE	Dn	D	J	A	H
1"	22.4	25.4	90	145.4	126
1.25"	28.8	32	114	178.4	142.4
1.5"	35	38	114	178.4	142.4
2"	47.8	51	140	198.4	183.8
2.5"	59.5	63.5	140	259	190
3"	72.2	76.2	140	259	200
3.5"	85	89	140	297	220
4"	97.6	101.6	140	348	240

气动卡箍式隔膜阀

Clamped pneumatic diaphragm valve

No.1034



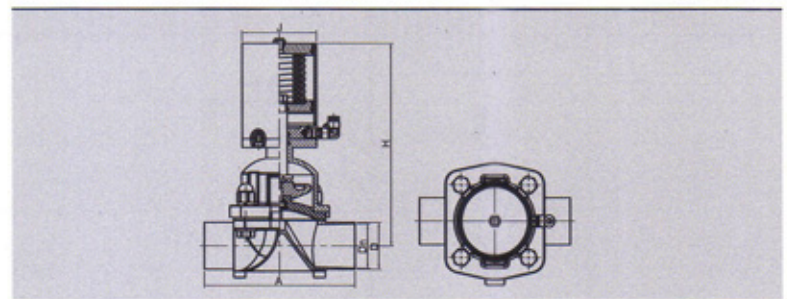
SIZE	Dn	D	A	H	J
DN20	20	34	145.4	188.5	86
DN25	26	50.5	145.4	188.5	86
DN32	32	50.5	178.4	195.8	86
DN40	38	50.5	178.4	195.8	86
DN50	50	64	198.4	232.2	86
DN65	66	91	259	311	133
DN80	81	106	297	311	133
DN100	100	119	348	305	133

SIZE	Dn	D	A	H	J
1"	22.4	50.5	145.4	188.5	86
1.25"	28.8	50.5	178.4	195.8	86
1.5"	35	50.5	178.4	195.8	86
2"	47.8	64	198.4	232.2	86
2.5"	59.5	77.5	259	311	133
3"	72.2	91	259	311	133
3.5"	85	106	297	311	133
4"	97.6	119	348	305	133

气动焊接式隔膜阀

Welded pneumatic diaphragm valve

No.1035



SIZE	Dn	D		A	H	J
		1	2			
DN20	20	22	23	145.4	188.5	86
DN25	26	28	29	145.4	188.5	86
DN32	32	34	35	178.4	195.8	86
DN40	38	40	41	178.4	195.8	86
DN50	50	52	53	198.4	232.2	86
DN65	66	70	-	259	311	133
DN80	81	85	-	297	311	133
DN100	100	104	-	348	305	133

SIZE	Dn	D	A	H	J
1"	22.4	25.4	145.4	188.5	86
1.25"	28.8	50.5	178.4	195.8	86
1.5"	35	38	178.4	195.8	86
2"	47.8	50.8	198.4	232.2	86
2.5"	59.5	63.5	259	311	133
3"	72.2	76.2	259	311	133
3.5"	85	89	297	311	133
4"	97.6	101.6	348	305	133

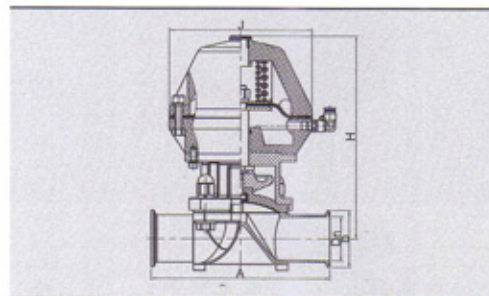
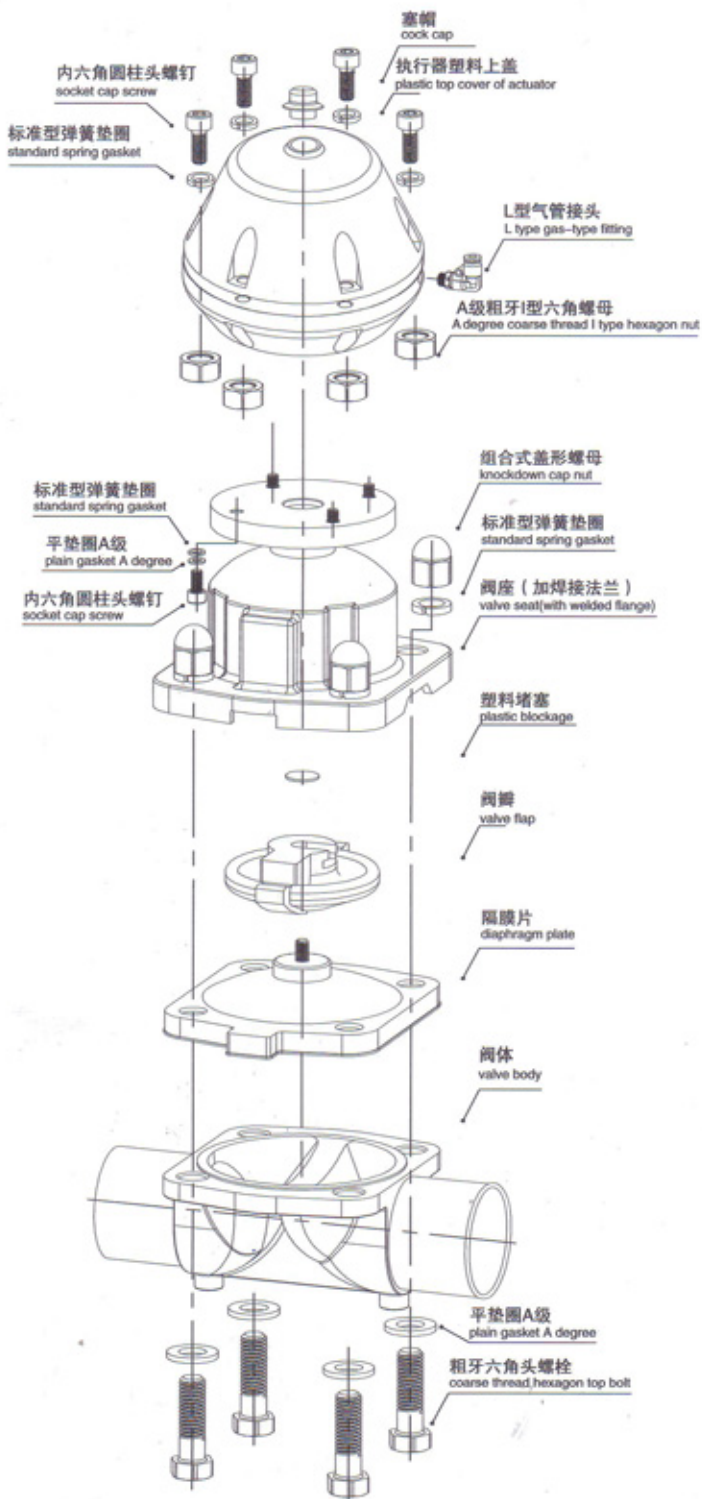
塑料气动隔膜阀

Diaphragm valve with plastic pneumatic actuator

气动卡箍隔膜阀

Clamped pneumatic diaphragm valve

No.1036

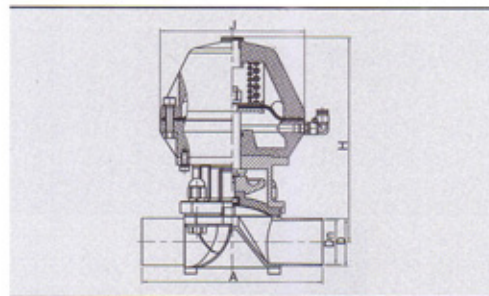


SIZE	Dn	D	A	H	J
DN20	22.4	34	145.4	174.5	130
DN25	26	50.5	145.4	174.5	130
DN32	32	50.5	178.4	179.2	130
DN40	38	50.5	178.4	214.4	160
DN50	50	64	198.4	224	160
DN65	66	91	259	311	160
DN80	81	106	297	311	160
DN100	100	119	348	305	160
1"	22.4	50.5	145.4	174.5	130
1.25"	28.8	50.5	178.4	179.2	130
1.5"	35	50.5	178.4	214.4	160
2"	47.8	64	198.4	224	160
2.5"	59.5	77.5	259	311	160
3"	72.2	91	259	311	160
3.5"	85	106	297	311	160
4"	97.6	119	348	305	160

气动焊接隔膜阀

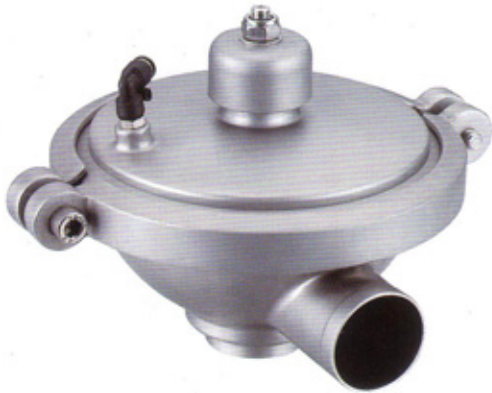
Welded pneumatic diaphragm valve

No.1037



SIZE	Dn	D	A	H	J
DN20	22.4	25.4	145.4	174.5	130
DN25	26	29	145.4	174.5	130
DN32	32	35	178.4	179.2	130
DN40	38	41	178.4	214.4	160
DN50	50	53	198.4	224	160
DN65	66	70	259	311	160
DN80	81	85	297	311	160
DN100	100	104	348	305	160
1"	22.4	25.4	145.4	174.5	130
1.25"	28.8	31.8	178.4	179.2	130
1.5"	35	38	178.4	214.4	160
2"	47.8	50.8	198.4	224	160
2.5"	59.5	63.5	259	311	160
3"	72.2	76.2	259	311	160
3.5"	85	89	297	311	160
4"	97.6	101.6	348	305	160

HY 系列恒压调节阀 HY Constant pressure regulating valve



应用

气动控制压力及流量。

标准设计

恒压阀阀体12个厚钢板锻压设计工艺、阀芯及所有零部件采用 AISI3016L或304制造，阀体内外喷砂抛光，膜片采用优质橡胶制成，最高温可达到140℃

工作原理

CPM-2恒压调节阀由控制压缩空气的压力大小来控制调节阀芯的位置，从而达到所需的压力及流量

技术参数

最大生产压力: 1000KPa(10bar)
 最小生产压力: 0KPa(0bar)=大气
 温度范围: -10℃to至+95℃
 温度范围(上隔膜PTFE/EPDM): -10℃to至+140℃(按更高要求)。
 空气压力: 0 to 600kpa (0 to 6bar)
 流量范围Kv, 全开(p=1bar): 大约23m³/h.
 流量范围Kv, 低能力(p=6bar): 大约2m³/h.
 可选择的尺寸: 调节区域大约152m³/h. (CIP区域)

Applications

Pneumatic control pressure and flow.

Standard design

Constant pressure valve body 12 of thick steel forging design process, the spool and all parts manufactured by AISI3016L or 304, sandblasting polishing inside and outside the body, the diaphragm is made of high quality rubber, the maximum temperature can reach 140 °C

Working principle

CPM-2 constant pressure regulating valve controlled by the compressed air pressure regulating valve to control the size of the position, so as to achieve the required pressure and flow

Technical parameters

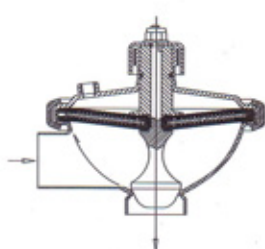
Largest producer of pressure: 1000KPa (10bar)
 Minimum production pressure: 0KPa (0bar) = atmospheric
 Temperature range: -10 °C to +95 °C to
 Temperature range (on the diaphragm PTFE / EPDM): -10 °C to to +140 °C (higher on request).
 Air pressure: 0 to 600kpa (0 to 6bar)
 Flow range Kv, fully open (p = 1bar): about 23m³ / h.
 Flow range Kv, low capacity (p = 6bar): about 2m³ / h.
 Optional sizes): regulation of regional about 152m³ / h. (CIP area)

Material

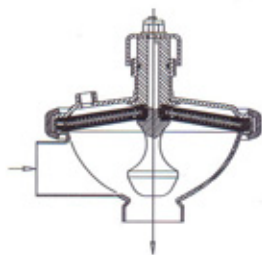
Product damp steel: AISI 316L
 Other parts: AISI 304
 The Diaphragm: Nitrile (NBR), (standard)
 The diaphragm: PTFE EPDM rubber (standard)
 Optional on the diaphragm: EPDM / PTFE temperature 95-140°C
 Choice of the diaphragm: solid polytetrafluoroethylene (PTFE) the temperature exceeds 140 °C
 O-Ring: Nitrile (NBR) Standard
 Optional O-ring: Vitong (FPM) temperature exceeds 95 °C
 Finish: Matte

工况图
Condition

HY2-1

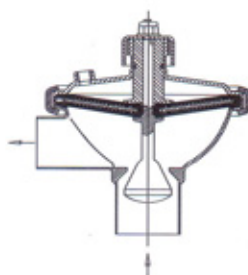


产品压力降低时
Reduced product pressure

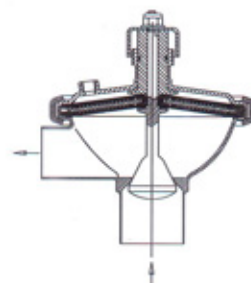


产品压力升高时
Increased product pressure

HY2-2



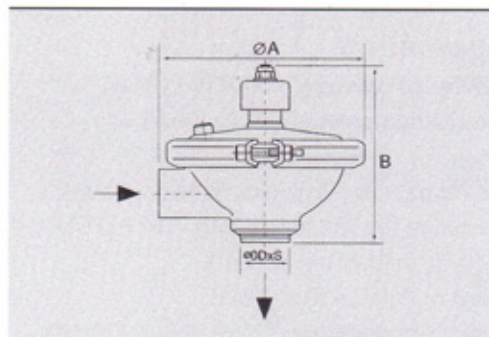
产品压力降低时
Reduced product pressure



产品压力升高时
Increased product pressure

CPMI-2

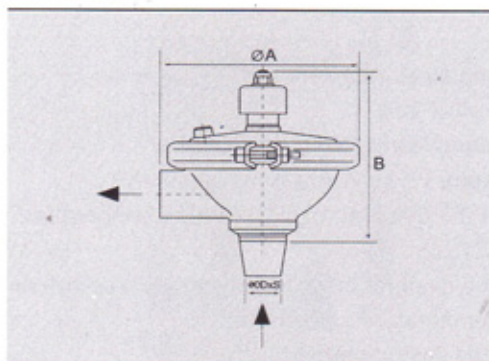
No.1038



Size	A	B	OD*S
Ø25	210	180	25.4*1.5
Ø38	210	180	38.1*1.5
Ø51	210	180	50.8*1.5
Ø63	210	200	63.5*2

CPMO-2

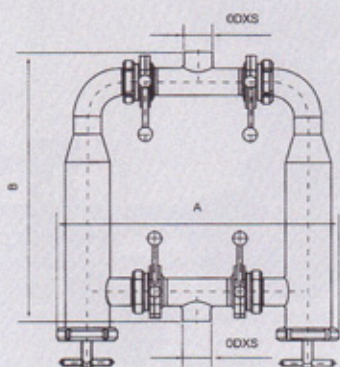
No.1039



Size	A	B	OD*S
Ø25	210	180	25.4*1.5
Ø38	210	180	38.1*1.5
Ø51	210	180	50.8*1.5
Ø63	210	200	63.5*2

WGL双联管道过滤器
WGL Duplex Pipe-fitting Filter

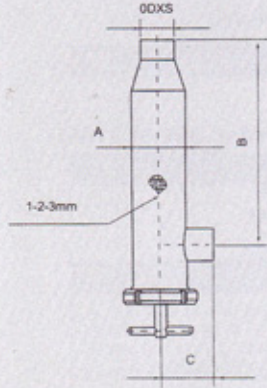
No.1040



Size	ODxS	A	B	过滤目数 (可选)
25	28x1.5	565	419	60
40	40x1.5	585	451	80
50	53x1.5	615	489	100
65	70x2	643	606	120
80	85x2	748	756	140
100	104x2	819	800	160
1	25.4x1.5	556	403	180
1.5	38.1x1.5	585	447	
2	50.8x1.5	613	482	
2.5	63.5x2	635	603	
3	76.1x2	721	733	
4	102x2	823	827	

WGL单联管道过滤器
WGL List Pipe-fitting Filter

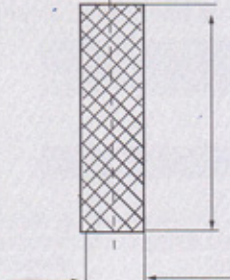
No.1041



Size	ODxS	A	B	C	过滤目数 (可选)
40	40*1.5	102	300	101	60
50	53*1.5	102	300	101	80
65	70*2	102	390	101	100
80	85*2	114	500	120	120
100	104*2	129	500	120	140
1.5"	38.1*1.5	102	300	101	160
2"	50.8*1.5	102	300	101	
2.5"	63.5*2	102	390	101	180
3"	76.1*2	114	500	119	
4"	101.6*2	129	500	120	

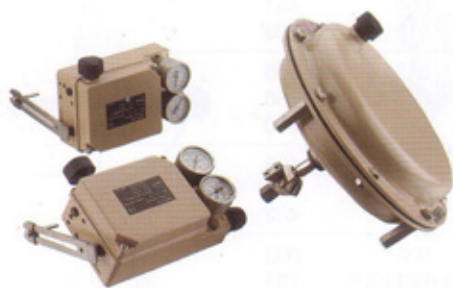
单过滤器内衬
Filter Screen

No.1042



Size	ODxS	A	过滤目数 (可选)
25-50	70	310	
65	76	350	
80	76	450	
100	100	450	
1"-2"	70	310	
2.5"	76	350	
3"	76	450	
4"	100	450	

TJ 系列卫生型调节阀 TJ Sanitary Regulating Valve



应用

该阀是有电—气动调节阀和手动调节阀两种形式，用于自动化控制系统中，对压力、流量、液位、及罐体液位等进行控制。

阀体材质

与物料接触部件：不锈钢 304或 316L

阀芯密封选择

软密封 (EPDM 或 PTFE)

金属与金属

电—气调节阀类型

标准型：管口为焊接式、球形阀体、EPDM、阀全关 (常闭)

定位器：电/气 (I/P) 转换

信号范围：4~20mA (标准)

其它类型可选

无菌型 (PTFE隔膜或 316L隔膜)

定位器：气/气 (P/P) 转换

阀芯：常开型

表面光洁度

外部：喷砂处理 $Ra \leq 1.6\mu m$ 抛光 $Ra \leq 0.6\mu m$

内部：抛光 $\leq Ra 0.6\mu m$

Application

This valve has two styles: electric-pneumatic regulating valve and manual regulating valves, used in automatic control system to control the pressure, flow, level, temperature and tank level.

Body Material

Material contacted surface: 304 or 316L.

Valve plug seals choice

soft seals (EPDM or PTFE)

Metal with Metal

A/M Regulating Valve Style

Standard: tubing welding joint, ball valve body, EPDM soft seals. While supplying air pressure is 0, Valve is closed (Normally Close)

Localizer: I/P Switch

Signal Range: 4~20mA (Standard)

Other Style Option

Aseptic style (PTFE diaphragm or 316L diaphragm)

Localizer: P/P Switch

Valve plug normally open

Surface Finish

ID: Sandblast $Ra \leq 1.6\mu m$

polishing $Ra \leq 0.6\mu m$

OD: polishing $Ra \leq 0.6\mu m$

表一：技术数据 *Table I: Technical data*

公称通径 Nominal Diameter	DIN	DN25 ~ DN100, 1" ~ 4"
焊接头连接 Welded connection	DIN ISO/IDF SMS	管道根据 DIN11850 1" ~ 4" Pipeline under DIN11850 1" ~ 4"
公称压力 Nominal Pressure		PN ≤ 1.0Mpa
阀芯密封 Spool seal		金属或软密封 Metal or soft sealing
特性 Features		等百分比或线性 Equal percentage or linear
量程比 Turndown ratio		50:1 最大到 DN50; DN65 及以上 30:1 50:1 up to DN50; DN65 and above 30:1
温度范围 Temperature range		-10°C ~ +150°C

表二：选型参考资料 *Table II: Selection of Reference*

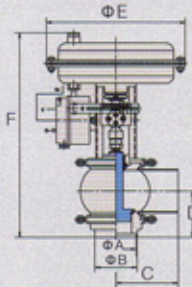
Size		流量 Kvs Flow Kvs m ³ /h	执行器面积 Actuator area cm ²	有效行程 Effective stroke mm	控制压力范围 Control pressure range	
					阀常闭 Valve normally closed	
DIN	ISO/IDF				0.5Mpa	1.0Mpa
DN25	1"	1.6	240	15	0.2~1.0	-
		2.5			0.2~1.0	-
		4			0.2~1.0	-
		6.3			0.3~1.1	0.4~2.0
		10			0.3~1.1	0.4~2.0
DN40	1.5"	10	240	15	0.6~2.2	0.9~3.3
		16			0.6~2.2	0.9~3.3
		25			0.6~2.2	0.9~3.3
DN50	2"	16	240	15	0.9~3.3	-
		25			0.9~3.3	-
		35			350	0.9~3.3
DN65	2.5"	25	350	15	1.4~2.3	2.1~3.3
		35			1.4~2.3	2.1~3.3
		60			1.4~2.3	2.1~3.3
DN80	3"	35	350	15	1.4~2.3	2.1~3.3
		60			1.4~2.3	2.1~3.3
		80			1.4~2.3	2.1~3.3
DN100	4"	60	350	15	1.4~2.3	2.1~3.3
		100			2.1~3.3	-

表三：执行器使用压缩空气质量要求
Table III: actuators use compressed air quality requirements

压缩空气连接 Compressed air connection	空气管配备空气接头 R1/8" (SBP) Equipped with air fittings air pipe R1/8" (SBP)
最小工作气压 Minimum working pressure	0.4Mpa
最大允许供气压力 Maximum allowable supply pressure	0.6Mpa
最大颗粒尺寸 Maximum particle size	0.01mm
最大含油量 Maximum oil content	0.08ppm
露点 Dew point	大气温度以下°C Air temperature below°C
最大水含量 Maximum water content	7.5g/kg

L 型流量调节阀 L-Flow Regulating Valve

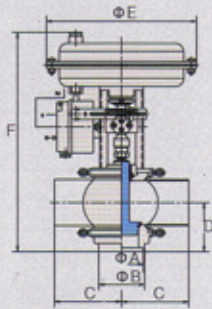
No.1043



Size	A	B	C	D	E	F
DN25	25	28	90	50	240	325
DN40	37	40	90	58.5	240	330
DN50	49	52	90	65	240	345
DN65	66	70	120	83	280	390
DN80	81	85	125	90	280	510
DN100	100	104	125	100	280	425

T 型流量调节阀 T-Flow Regulating Valve

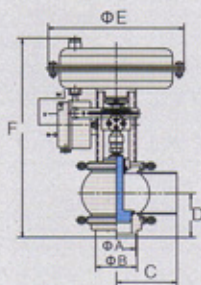
No.1044



Size	A	B	C	D	E	F
DN25	25	28	90	50	240	325
DN40	37	40	90	58.5	240	330
DN50	49	52	90	65	240	345
DN65	66	70	120	83	280	390
DN80	81	85	125	90	280	510
DN100	100	104	125	100	280	425

L 型流量调节阀 L-Flow Regulating Valve

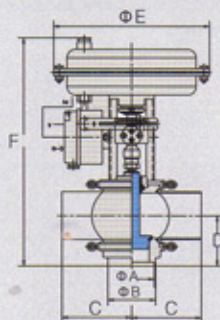
No.1045



Size	A	B	C	D	E	F
1"	22.4	25.4	90	50	240	325
1.5"	35	38	90	58.5	240	330
2"	47.8	50.8	90	65	240	345
2.5"	59.5	63.5	120	83	280	390
3"	72.1	76.1	125	90	280	510
4"	97.6	101.6	125	100	280	425

T 型流量调节阀 T-Flow Regulating Valve

No.1046

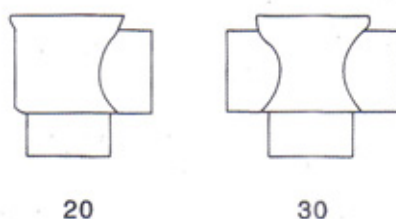


Size	A	B	C	D	E	F
1"	22.4	25.4	90	50	240	325
1.5"	35	38	90	58.5	240	330
2"	47.8	50.8	90	65	240	345
2.5"	59.5	63.5	120	83	280	390
3"	72.1	76.1	125	90	280	510
4"	97.6	101.6	125	100	280	425

ST 系列卫生型手动调节阀 ST Sanitary Manual Regulating Valve



阀体组合



应用

手动控制压力及流量。

Applications

Manual control pressure and flow.

工作原理

卫生手动调节阀由手轮操作，可以逐渐调节圆锥形阀塞，在由螺栓将阀塞锁定于所调至的位置。阀门上可拆卸的部件很少且构造简单，使得阀门运行可靠及便于拆卸。

Working principle

Sanitary manual Regulating valve by the hand wheel, you can gradually adjust the cone-shaped valve plug, the valve plug in the lock bolt of the adjusted position. Few valves and removable parts on the simple structure, reliable operation and allows the valve to facilitate the demolition.

标准设计

阀体和带塞阀杆使用不锈钢AISI 316L、304。阀体内外喷砂抛光。

阀杆镀强化铬，密封以及唇形密封采用抗高温(100°C)材质 EPDM橡胶。

阀门手轮由不锈钢304构成，标准型阀门不带管接配件，阀塞行程为28mm。

Standard design

Stem with a plug body and stainless steel AISI 316L, 304. Sandblasting polishing inside and outside the body. Chrome plating to strengthen the stem, sealing, and lip seal with high temperature (100°C) Material EPDM rubber.

Valve hand wheel 304 by a stainless steel structure, standard valves without pipe connector fittings, valve plug travel to 28mm.

选择配置设备

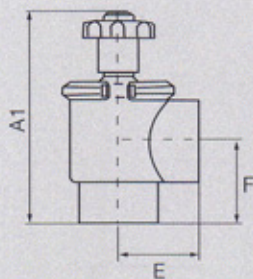
- A)根据所需标准选择螺纹或卡箍连接
- B)无菌型阀门带有隔膜阀杆密封
- C)可用不锈钢阀片取代唇形密封

Select Configure Device

- A) selected according to the required standard screw or clamp connection
- B) aseptic diaphragm valve with a rod seal
- C) can replace the lip seal stainless steel valve

WGN调节阀
WGN Regulating Valve

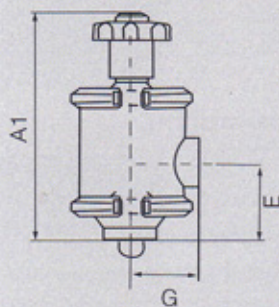
No.1047



E	A ₁	A ₂	F	ISO	DIN
68	184	210	50	38	40
68	184	210	57	51	50
86	227	265	75	63.5	65
82.5	253	295	79	76.1	80
116.5	302	310	106	101.6	100

WGN-A微调节阀
WGN-A Regulating Valve

No.1048



G	E	A ₁		ISO	DIN
50	55	193	11	38	40

AQ 系列安全阀 AQ Safety Valve



应用

AQ3系列安全阀是卫生级不锈钢阀门，它的安全设计使得它能保护设备，所以它安装在排放压力的回路，对管路、泵、装置、储罐等起安全保护作用。广泛应用于食品、饮料、乳制品、制药、啤酒等行业。

工作原理

AQ3系列安全阀是通过调整弹簧的压紧螺母来校准一个特定压力。校准压力是为了避免设备损坏而定的最大安全压力值。在正常的工作压力下，阀门是关闭的；当系统压力超过校准压力时，阀门打开。管道系统中的压力得到释放，从而达到对管路及设备的保护。

AQ3-1系列阀门是AQ3阀门的改进型，它增加了气动开启装置，便于对安全阀及其管路进行CIP清洗。

AQ3安全阀是一种较为特殊的阀门，在出厂时都经过了严格的校验，但为了使阀门能更切合实际运行工况，故有条件时，应尽可能现场对阀门再进行校验。

Applications:

AQ3 system valve is a sanitary stainless steel safety valve, its design makes it adequate for protection of installations in the pharmaceutical industry. It is used to perform pressure bypass for safety purposes in order to protect lines, pumps, fittings, tanks, etc.

Operating Principles:

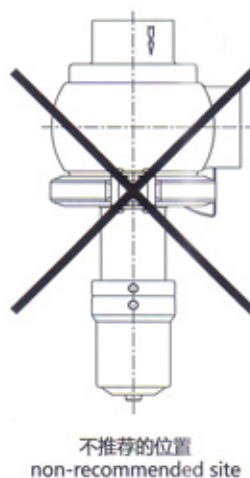
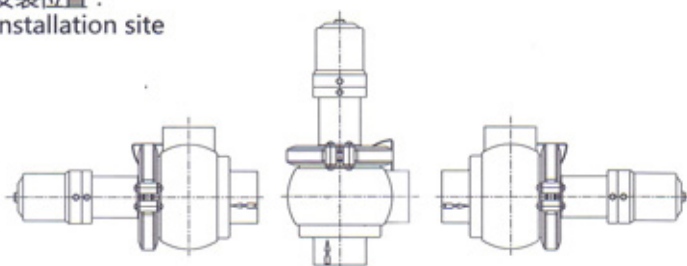
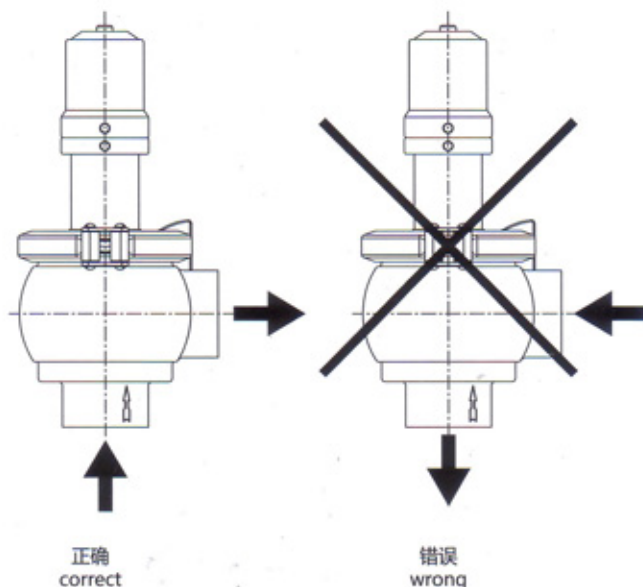
Under normal operating conditions, the valve remains closed. It is calibrated to a specific pressure by regulating the spring with the pressure nut. The calibrated pressure is a maximum safety pressure to avoid damage of the plant.

When the pressure in the circuit exceeds the calibrated pressure, the valve opens letting the flow pass, thus, the pressure in the pipe system is reduced.

The valve can be provided with a handle, its designs allows to partially open the valve in order to allow the passage of the cleaning solutions during the CIP process.

安全阀正确安装方法 (图)
the correct installation method
of safety valve

安装位置：
installation site

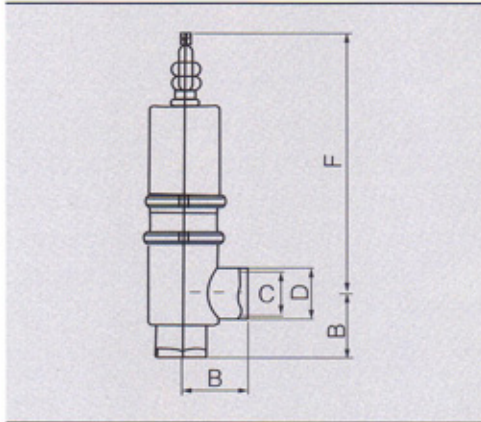


技术参数
Technical data

金属材料 Material	与产品接触的部件 Contact product parts	304L/316L(1.4307/1.4404)
	不与产品接触的部件 non-contact product parts	304(1.4301)
	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	SILICONE, PTFE, FPM, NBR
	采用进口密封材料, 所有密封材质均符合 FDA 177.2600 Seal materials comply with FDA 177.2600	
温度 Temperature	连续工作温度 Running work temperature	-20~+135℃ (EPDM)
	灭菌温度 Sterilization temperature	150℃ (max20min)
压力 Pressure	校定压力 Control air pressure	0-3bar/0-6bar/0-10bar (根据弹簧作用) 0-3bar/0-6bar/0-10bar (According to the role of spring)
	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	喷丸处理 Grit blasting
连接 Connection	连接标准 Connection standard	焊接端: DIN 11850 系列 2 welded end: DIN 11850 series2 焊接端: Inch 管径标准 welded end: INCH pipe standard
	连接方式: 焊接, 螺纹, 快装, 法兰等 Connection method: welding, thread, clamp, flange	

焊接式安全阀
Welded Safety Valve

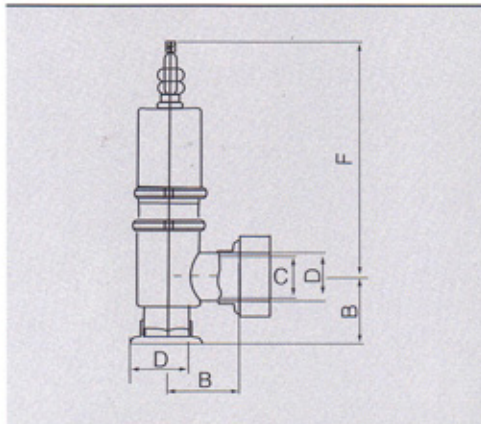
No.1049



Size	A	B	C	D	E	F
har						
10		26	10	14	05-6	173
15		35	16	20	05-6	170
20		40	20	24	05-6	168
25		50	26	30	05-10	280
32		55	32	36	05-10	278
40		60	38	42	05-10	291
50		70	50	54	05-8	295
65		80	66	70	05-8	405
80		90	81	85	05-6	456
100		100	100	104	05-4	548

螺纹式安全阀 (ISO IDF SMS 3A, DS)
Threaded Safety Valve (ISO IDF SMS 3A, DS)

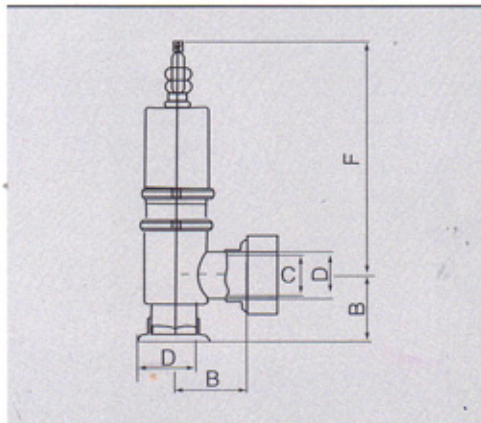
No.1050



Size	A	B	C	D	E	F
har						
10		43	10		05-6	173
15		52	16		05-6	170
20		59	20		05-6	168
25		72	26		05-10	280
32		77	32		05-10	278
40		82	38		05-10	291
50		93	50		05-8	295
65		105	66		05-8	405
80		115	81		05-6	456
100		130	100		05-4	548

螺纹式安全阀 (DIN)
Threaded Safety Valve (DIN)

No.1051



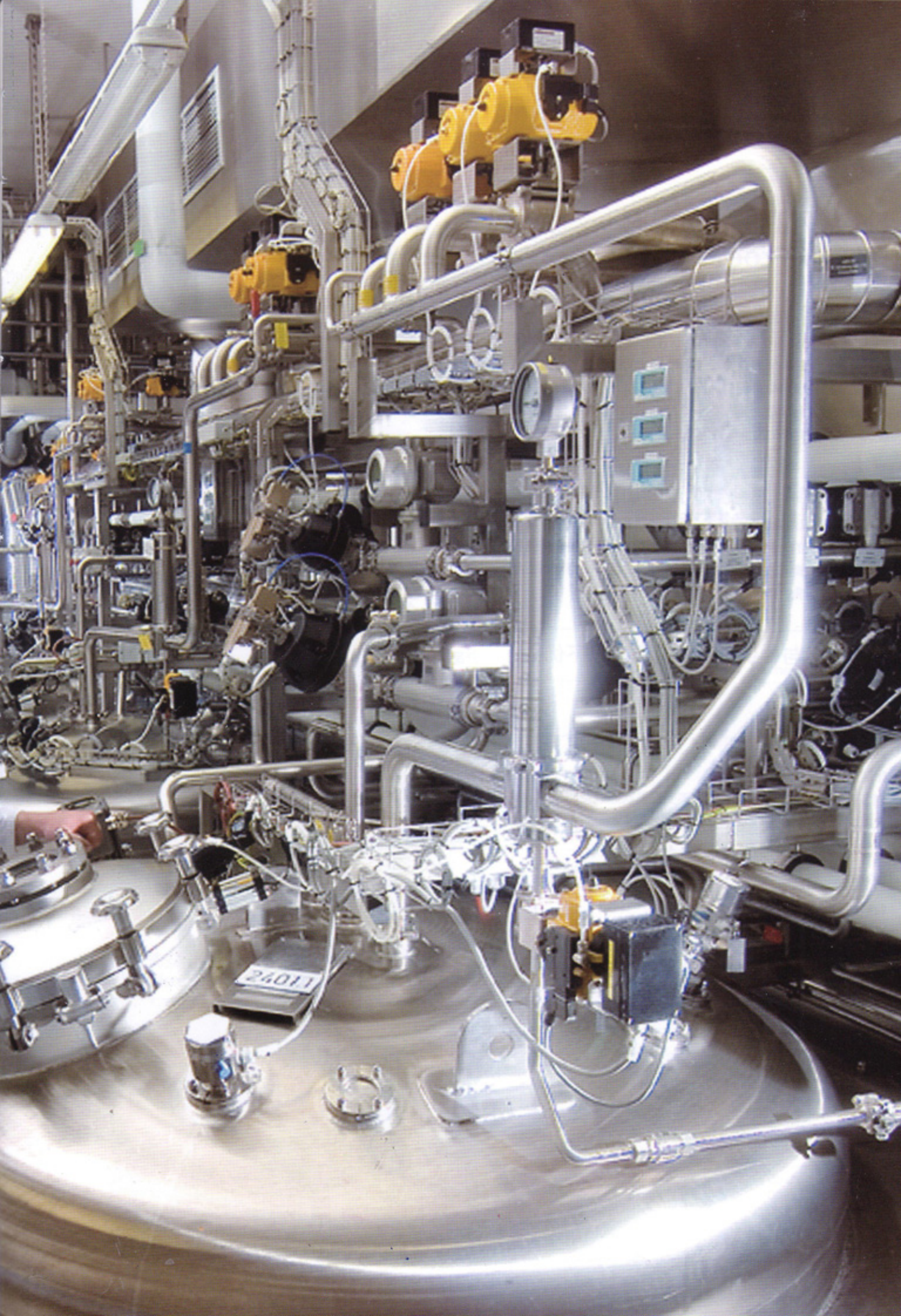
Size	A	B	C	D	E	F
har						
10		43	10		05-6	173
15		52	16		05-6	170
20		59	20		05-6	168
25		72	26		05-10	280
32		77	32		05-10	278
40		82	38		05-10	291
50		93	50		05-8	295
65		105	66		05-8	405
80		115	81		05-6	456
100		130	100		05-4	548

FH 系列卫生级防混阀

FH Mix Proof Valve

防混阀可以组合成防混阀阵，凭借防混阀阵可以实现安全、高效、卫生的物料操作；这在一些需要频繁切换物料通道，安全性、卫生性要求高的场合有较好的应用。





FH 系列卫生级防混阀 FH Mix Proof Valve

FH100 系列防混阀功能特征

在流道交叉处对不可混合的介质进行防混分隔，在阀门关闭位置，两个管路之间为双密封，液体从一个管道泄漏到另一个管道的现象完全可以排除，当密封部分受损时，泄漏物可通过阀门的泄漏腔排出到外面，用一个单独的CIP连接，向隔离腔提供洗液，隔离腔的清洗与阀的位置无关。

FH200 系列双密封防混阀功能特征

采用单阀盘两道密封圈技术，用于管路系统中的防混分离，该阀是双座阀的一种比较经济的选择，阀盘上密封圈之间的腔体与两个排放阀相连，通过这两个排放阀，可以检测密封圈是否泄漏，并清洗腔体

防混技术与传统设计相比具有以下优势

- 减少了多个部件
- 所占空间小
- 易维护
- 无死角
- 排放系统不接触产品
- 隔离腔清洗不会产生液压，清洗不受设备状态以及阀门开/关状态影响

技术参数

- 物料压力范围：0~8bar
- 适用温度范围：-10°C~+150°C
- 操作空气压力：6~8bar

表面处理

- 外部：喷砂处理 $Ra \leq 1.6\mu m$
- 抛亚光 $Ra \leq 0.6\mu m$
- 内部：抛 光 $Ra \leq 0.6\mu m$

H200 系列双密封防混阀功能特征

- 压缩空气连接：空气管配备空气接头R1/8"
- 最大颗粒尺寸：0.01 μm
- 最大油含量：0.08 ppm
- 露点：大气温度以下10°C或更低
- 最大水含量：7.5g/kg

材料

- 产品与介质接触部分：304或316L
- 密封材料：标配EPDM(三元乙丙橡胶)
- 另有硅胶、氟胶可选用



FH100 Series mix proof valve characteristics

This valve is used to proof the mix of different material in the pipeline cross. While the valve is close, the two pipes are double sealed, the liquid leaking from one pipe to the other can be eliminated, while the seal is damaged, the leakages will be drained by the draining chamber. The supplier of lotion to the isolation chamber is connected by a unique CIP and also the isolation chamber cleaning is indifferent to the valve position.

FH200 Series double seals mix proof valve characteristics

This Valve is used as the mix proof separation in the pipe system by adopting one valve disc with two seals tech. This valve is the economic choice among the double seat valve. The chamber between the valve disc seals is connected with two drain valves, by which we can detect the seal leakage and clean the chamber.

The advantages compared with traditional design

- Less components
- Less space
- Easier maintenance
- No dead corner
- No contact between drain system and products
- The separation chamber cleaning will not occur any hydraulic-pressure and not influenced by the equipment or valve status.

Technical parameter

Material Press Range: 0~8bar
 Operative Temp Range: -10°C~+150°C
 Operative Air Press: 6~8bar

Technical parameter

Material Contact Parts: 304 or 316L
 Sealing material: standard EPDM Silicagel (fluorine gel for option)

Materials

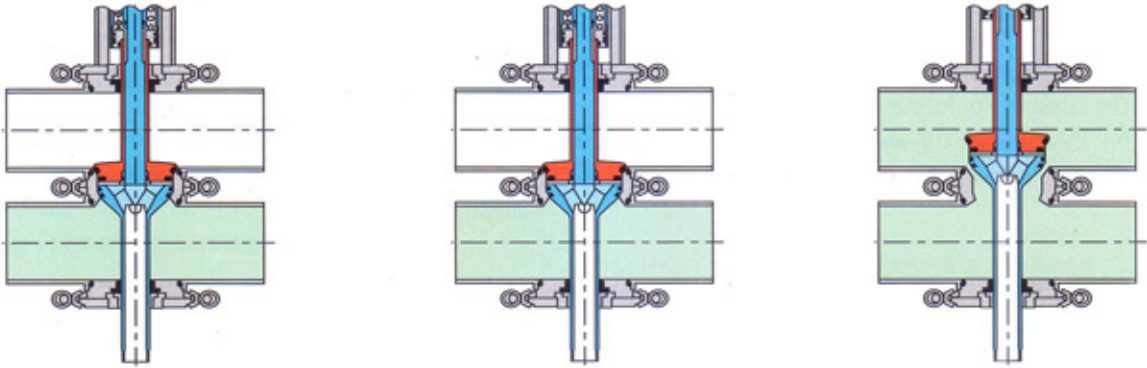
Outside: Sandblast $Ra \leq 1.6\mu m$
 Sublight $Ra \leq 0.6\mu m$
 Inside: polish $Ra \leq 0.6\mu m$

Requirements for compressed air quality that the executor needs

Compressed air joint air pipe equipped equipments with air adapter R 1/8"
 Max grain size: 0.01 μm
 Max oil content: 0.08ppm
 Dew point: below 10°C or less
 Max water content: 7.5g/kg



轴向 / 轴向密封的双座防混阀在开关过程中阀盘的位置
Axia seal double seat valve : The valve disc on-off postion .



阀关闭时，上下阀腔都由单独的阀盘密封。中间隔离腔可通过外部CIP进口单独清洗

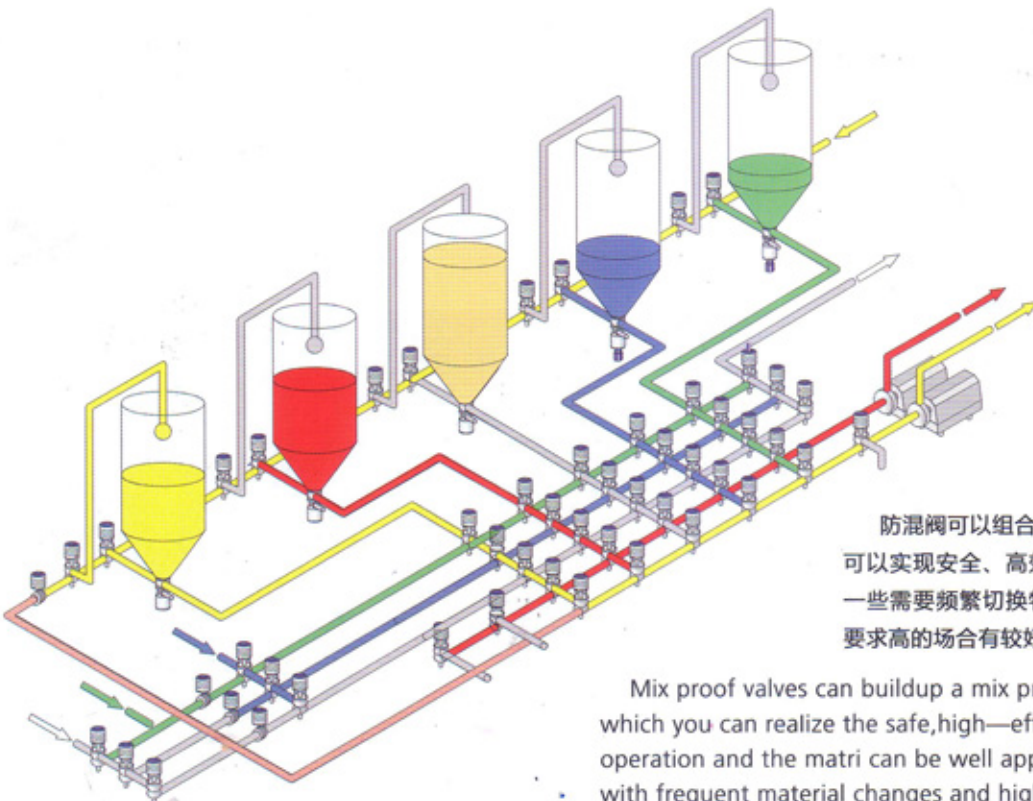
While the valve is close,the up and down chambers are sealed by seperate disc.

阀开启时，下部的阀盘提升，下部阀盘和阀座间的密封使腔体在阀开启时无泄漏。当下阀盘接触到上阀盘，隔离腔关闭。

While the valve is oper.the down disc lifts.the chamber between dow disc and valve seat makes no leakage,while the down disc touches the up one,the seperate chamber is closed.

下阀盘推动上阀盘到阀门完全开启时，阀门完全打开。此时可通过管道CIP液对上下阀腔及密封进行清洗。

The down disc pushing the up disc till the valve is thouroughly open.



防混阀可以组合成防混阀阵，凭借防混阀阵可以实现安全、高效、卫生的物料操作；这在一些需要频繁切换物料通道，安全性，卫生性要求高的场合有较好的应用。

Mix proof valves can buildup a mix proof valve matrix,by which you can realize the safe,high—efficent.sanitary material operation and the matri can be well applied in some pipelines with frequent material changes and high safety requirement.

GD 系列卫生级罐底阀 GD Sanitary Tank Bottom Valve

应用

GD3型罐底阀是一款气动座阀，拥有卫生和灵活的设计，基于成熟的单座阀设计平台，少而简单的活动部件使该阀非常可靠，并且降低了其维护成本。用于切断或打开通往储罐的管道。广泛应用于酿酒、乳制品、饮料、制药等工业中。

工作原理

GD3罐底阀可通过压缩空气进行遥控，其由 1 个阀门和 1 个罐底法兰构成。为减小密封件的磨损，对密封件的压缩是通过金属之间的接触来实现的。

GD3罐底有两种结构形式：

GD3-T型罐底阀与罐底法兰之间是卡箍连接的，稍微松开卡箍，就可以将阀门转向任何位置，这确保了高度的灵活性。储罐法兰直接焊接在储罐上。

GD3-F型罐底阀与罐底法兰之间是螺栓连接的，阀门可360°旋转。储罐法兰直接焊接在储罐上。

Applications:

GD3 tank bottom valve is a pneumatic seat valve, which sanitary and agile design, basis on mature single seat valve design, less flexible parts, reduce the service cost. used for close or open to tank pipe. widely used for brewing, dairy, drink, pharmacy industry.

Operating Principles:

GD3 tank bottom valve is controlled by compress air, include 1 valve and 1 tank bottom flanges. to reduce abrasion for seal parts, to achieve compressing seal through touching between metal.

GD3 tank bottom valve have two kinds:

GD3-T tank bottom valve and flanges are connected by clamp. relax clamp, the valve can turn any position, highly flexible. deposited tank valve welding on the tank.

GD3-F tank bottom valve and flanges are connected by Bolt. The valve can turn any position, tank valve flange welding ON the TANK.



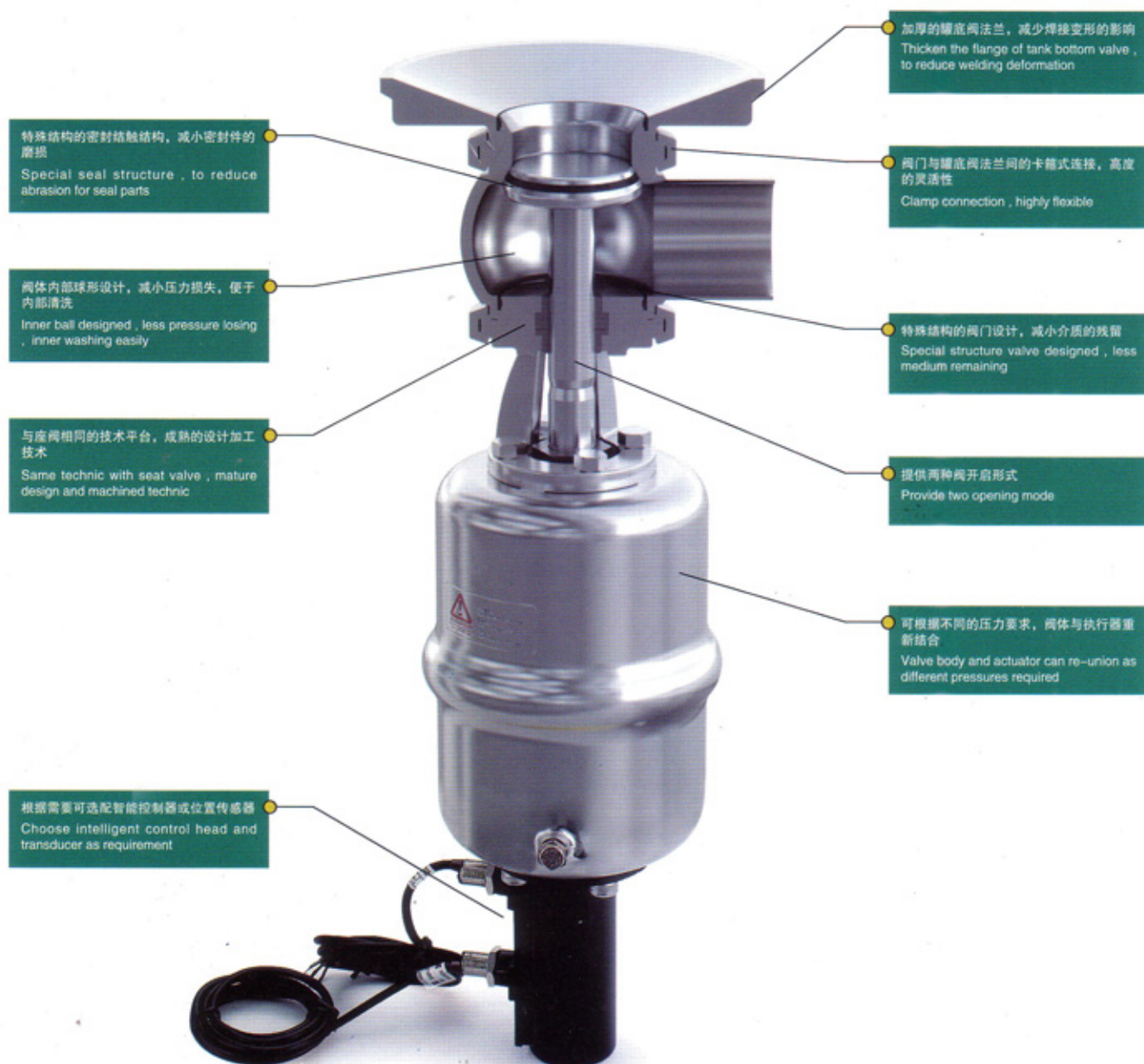
智能头
Control head



位置传感器
Position Sensor



GD 系列卫生级罐底阀 GD Sanitary Tank Bottom Valve



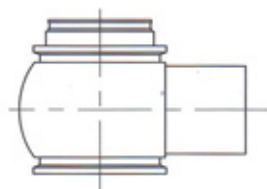
技术参数
Technical data

金属材质 Material	与产品接触的部件 Contact product parts	316L(1.4404)
	不与产品接触的部件 non-contact product parts	304(1.4301)
	可提供 EN 10204 3.1B 证书书 Provide EN 10204 3.1B certificate	
密封材质 Seal material	标配 standard	EPDM 采用进口密封材料, 所有密封材质均符合 FDA 177.2600 All seal materil meet FDA 177.2600
	选配 option	NBR、FPM、Silicone 采用进口密封材料, 所有密封材质均符合 FDA 177.2600 All seal materil meet FDA 177.2600
温度 Temperature	连续工作温度 Running working temperature	-20~+135℃ (EPDM)
	灭菌温度 Sterilization temperature	150℃ (max 20min)
压力 Pressure	工作压力 Working pressure	0~5bar(standard)
	承索更高压力要求 * Accepting high pressure requirement	
	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	喷丸处理 Grit blasting
连接 Connection	连接标准 Connection standard	焊接端: DIN 11850 系列 2 welded end: DIN 11850 series2 焊接端: Inch 管径标准 welded end: INCH pipe standard
	连接方式: 焊接、螺纹、快装、法兰 Connection method: welding、thread、clamp、flange	
	智能控制器 Intelligent controller	24V DC 1/2 个电磁阀 1/2 electromagnetism valve
选配 Option	位置传感器 Position sensor	24V DC 2 只 NPN 或 PNP 位置传感器 2 NPN/PNP position sensor

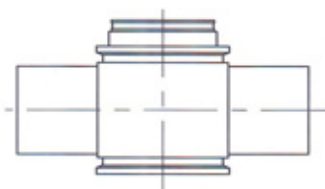
* 更高工作压力请与万国技术部联系。

* More pressure required , pls contact with Wanguo technical department .

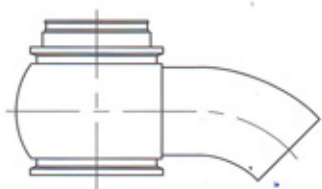
结构形式：
Body type:



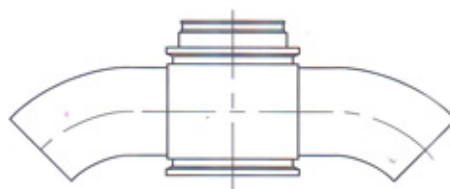
type 1



type 2



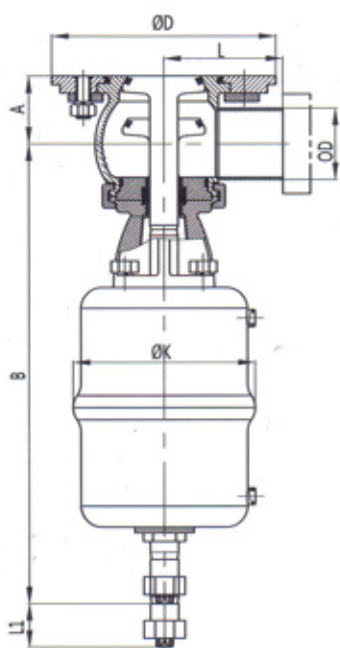
type 3



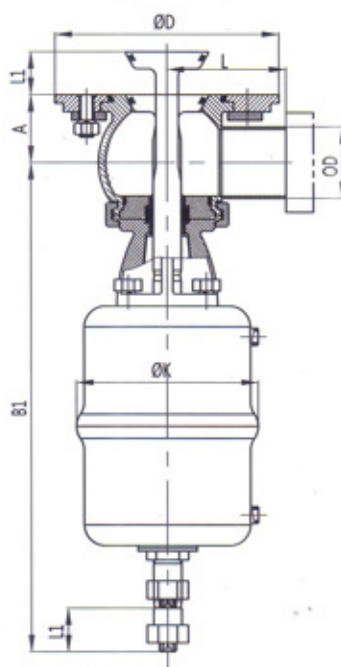
type 4

GD 系列卫生级罐底阀 GD Sanitary Tank Bottom Valve

下降阀板式
Dropping valve plate



提升阀板式
Lifting valve plate



尺寸(mm)
dimensions (mm)

No.1052

DN	A	B	B1	D	K	L	L1	OD	M(Clamp)*
DN25	35	289.8	298	145	91	55	20	29×1.5	21.5
DN40	41	294	308	145	91	65	20	41×1.5	21.5
DN50	48	326	345	165	130	80	30	53×1.5	21.5
DN65	58	414	445	195	195	90	40	70×2.0	28
DN80	72	418	450	220	195	110	40	85 × 2.0	28
DN100	82	432	463.5	250	195	120	40	104 × 2.0	28
INCH									
1.0"	35	289	298	145	91	55	20	25.4×1.65	12.7
1.5"	41	294	308	145	91	65	20	38.1×1.65	12.7
2.0"	48	324	344	165	130	80	30	50.8×1.65	12.7
2.5"	55	335	355	195	130	85	30	63.5×1.65	12.7
3.0"	64	417.5	449	220	195	95	40	76.2×1.65	12.7
4.0"	82	432	463.5	250	195	125	40	101.6×2.11	15.8

KZ 系列顶部控制单元 KZ Top Control Units

优点

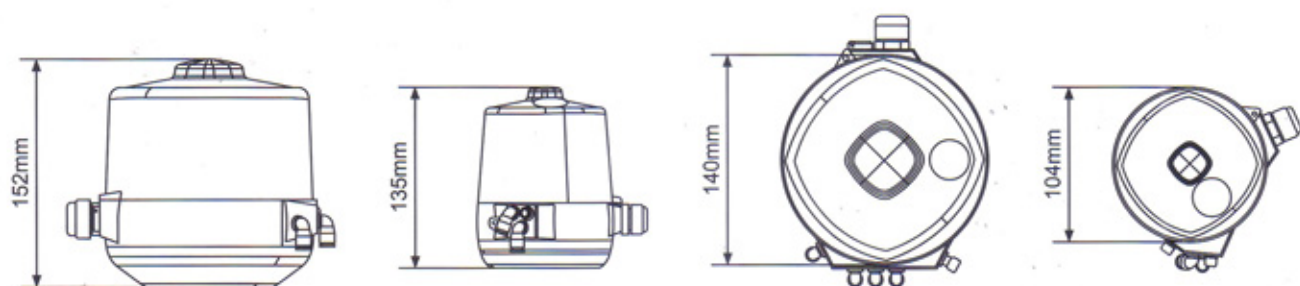
模块式设计
通用性接口
线路连接简易方便

附加功能

减压阀
可配直线型感应器
可感应阀板之间的隔离
各种电子模块

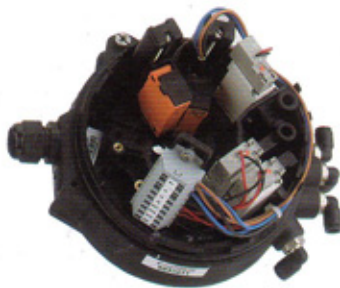
多种类阀门的配置

ACS(高级控制系统)
ICS(综合控制系统)
可用于各种阀门，行程不超过80毫米的阀门



技术参数	ACS 型控制盒	ICS 型控制盒
减压阀	可配置	可配置
点对点式连接	24-48V AC/DC	24-48V AC/DC
多种电压模块	信息反馈 PNP/NPN	信息反馈 PNP/NPN
AS-i 式连接	AS-i 2.1	AS-i 2.1
感应器	2 个 TOP 可调节感应器或直线型感应器 (范围 80mm)	2 个 TOP 感应器
直线型感应器	分解 0.2mm 手动调节 范围 80mm	不可配置
外感应器	可配置	AS-i 型 <70mA
耗电量 (1 个电磁阀及一个启动的感应器)	AS-i 型 <70mA 20V DC<50mA	24VDC<50mA
电磁阀 EV	1 至 3EV 3/2	1EV 3/2 至 1EV 5/2
气动功能	常闭式, 常开式 (仅限于 1 个电磁阀)	常闭式, 常开式及双密封式
阀门开关速度调节	可配置	不可配置
气动连接配件	快速接口 4/6	快速接口 4/6
空气质量	过滤后的干燥空气 10 μm 5 至 7 巴	过滤后的干燥空气 10 μm 5 至 7
工作温度	0°C 或 70°C	0°C 或 70°C

KZ 系列顶部控制单元 KZ Top Control Units



Advantages

- A modular design
- A user-friendly interface
- Quick-fitting electric and pneumatic connections

Additional Functions

- A relief valve
- A linear sensor option
- Shut-off valve open sensor
- Various electronic modules

2 Ranges for different types of valves

- ACS(Advanced Control System 1)
The ACS Unit covers all the range of DEFINOX valves(excluding DCX3/4 fractional changeover valves and diaphragm valves with a fastening interaxial=32)
- ICS(Integrated Control System)
All the range valves with a nominal diameter less than 80 mm

SPECIFICATIONS	ACS UNIT	ICS UNIT
Relief valve	Yes	Yes
Point-to-point connections	24-48V AC/DC	24-48V AC/DC
Multi-voltage modules	PNP/NPN retro data	PNP/NPN retro data
AS-i connections	AS-i 2.1	AS-i 2.1
Sensors	Two TOR sensors with fine adjustment (range 80 mm) or one linear sensor	2 TOR sensors
Linear sensor	Resolution 0.2 mm Manual calibration Stroke 80 mm	NO
External sensor	Yes	NO
Electrical consumption (1 SV and 1 sensor activated)	<70 mA in AS-i <50 mA in AS-i	<70 mA in AS-i <50 mA in 24V DC
Solenoid valves	One to three SV 3/2	One SV 3/2 or one SV 5/2
Pneumatic connections	NC,NO (only in one SV)	NC,NO and SE
Air quality	Yes	NO
Operating temperature	Quick 4/6	Quick 4/6
Air quality	Dry air filtered to 10µm 500 to 700 KPa (5 to 7 bar)	Dry air filtered to 10µm 500 to 700 KPa (5 to 7 bar)
Operating temperature	0°C-70°C	0°C-70°C

FZ 系列阀阵 FZ Manifold

应用

该阀阵可以允许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。

这种方案已经被用于乳品，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。

工作原理

根据要执行的功能，这些阀门要和容器或者工作管道（例如注液管道，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。

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.

Filters have a wide range of applications in the food-processing, cosmetics and some chemical industries as well as in auxiliary services of the pharmaceutical industry. They have a hygienic design and are used to filter particles capable of damaging pumps and other equipment.

Operating Principles

According to the function of operation, these valves should be connected with containers and working pipelines (such as filling pipes, drainage pipes and CIP cleaning pipes). The operation is automatic, not manual to avoid any risks of accidents.



设计和特点

它包括一组矩阵阀门，具体数量取决于需要连接的元件（容器或管道），及每个元件的功能。它安装在带可调支架的板车的模块上。

防混气动阀（多位双密封阀门）防止物料从一个阀体泄露到另一阀体。

阀门是平衡的每个阀门都配有带电磁阀和传感器的智能控制器 C-TOP。

包括一个空气分配收集器，每个执行器配有保养箱和截断阀门。

防混阀的清洗通过腔喷射或阀座提升式系统。

如果选择腔喷射阀，配套的工具也包括用于CIP连接的清洗分配系统的收集器，该收集器由一只蝶阀和一个过滤器组成。

在阀阵和管道的下方有一个倾向盘，用于收集（因泄露或者清洗过程）从阀阵中排出的排出物。

将提供一个控制面板，气动和电动分配系统以帮助安装

材质

与物料接触部位	AISI 316L
其他金属部分，执行器，板车，排水盘，控制面板	AISI 304
与物料接触的密封圈	EPDM

选项

阀阵有很多的安装方式，可以定做。其中有一些：

根据阀门类型选择

单密封多位阀门

其他类型阀门

其他变量

连接：焊接，卡箍，SMS, RJT, IDF, 法兰

垫圈：氟橡胶，丁腈

混合阀体尺寸（阀体有不同的尺寸）

轨道焊接

压力测试(PED)

执行器压力到10 bar

控制系统

在每气动执行器（电磁阀和传感器）上配一个简单的智能控制器C-TOP

配一个AS-I总线连接的智能控制器（C-TOP）

不配智能控制器C-TOP，在控制面板上安装一个电磁阀，

在执行器上安装一个传感器

PLC控制

在控制面板上显示阀门的状态

Design and features

It consists of a matrix of valves, their quantity depends on the elements to be connected (tanks or line), and on the functions of each of these elements. The unit is mounted in modules on a skid with adjustable legs.

The Mixproof pneumatic valves (multi-position double seal valves) prevent any leakage from one body to the other. The valves are balanced.

Every valve is provided with a control box C-TOP with solenoid valves and sensors.

An air distribution collector is included and provided with the maintenance kit and a shut-off valve for each actuator.

The cleaning of the Mixproof valves is by Cavity Spray or Seat Lift systems.

If the Cavity Spray valves are selected, the kit also contains one collector of the cleaning distribution system for the CIP connection. This collector consists of a butterfly valve and a filter.

Under the manifold of valves and pipes there is a kind of inclined tray that collects drained products (due to leakage or cleaning process) from the manifold.

The unit is provided with a control panel, pneumatic and electric distribution system to facilitate the installation.

Materials

Parts in contact with the product: AISI 316L

Other metal parts, actuators,

skid and drain tray, control panel: AISI 304

Gaskets in contact with the product: EPDM

Options

There are many ways of assembly which can be custom-made. Some of them are:

Choose according to the type of valves.

Single seal multi-way valve.

Other types valve.

Other variants

Connections: weld, Clamp, SMS, RJT, IDF, flanges.

Gaskets: Viton(R), NBR.

Mixed body sizes (bodies with different diameters.)

Orbital welding

Pressure tests (PED)

Actuator pressure up to 10bar

Control system

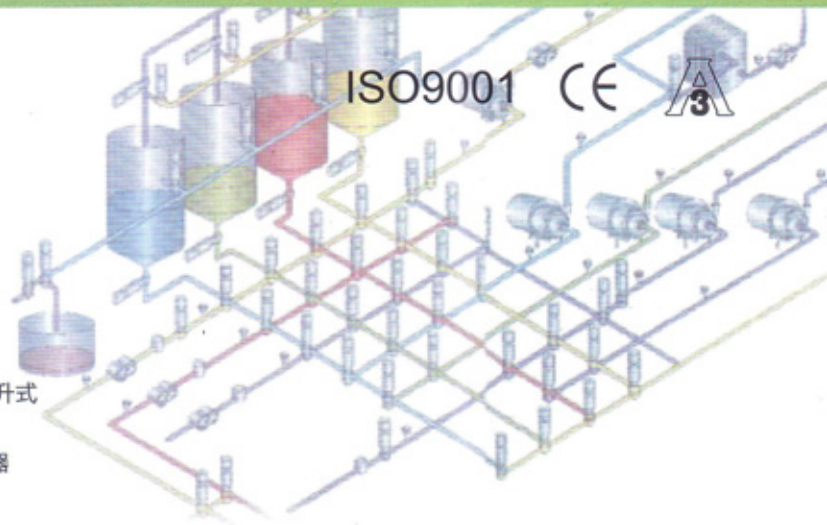
With a simple C-TOP on every pneumatic actuator (solenoids and sensors)

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



技术规格

最大温度 (EPDM 垫圈) 120°C

气动执行器 5 bar

智能控制器C-TOP带1个电磁阀2个传感器用于腔喷射

智能控制器C-TOP带3个电磁阀2个传感器用于阀座提升式

尺寸有DN40, DN50, DN65, DN80, DN100

用于DN25 腔喷射系统的CIP 管道带有一个角式过滤器

矩阵：从 4只到48只阀门

Technical specifications

Max. temperature (EPDM gaskets) 120°C.

Pneumatic actuator 5 bar.

C-TOP with 1 solenoid valve + 2 sensors for the Cavity Spray.

C-TOP with 3 solenoid valves + 2 sensors for the Seat Lift.

Available sizes: DN40, DN50, DN65, DN80 y DN100.

CIP line for the Cavity Spray system DN25 with an angular filter.

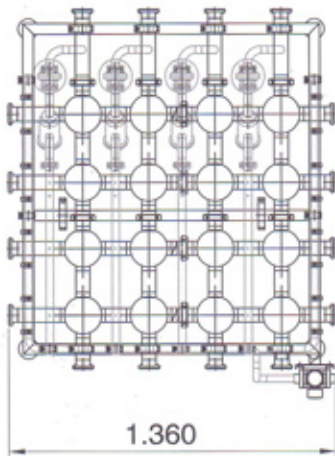
Matrix: from 4 up to 48 valves.

标准阀阵样例

Examples of a standard manifold

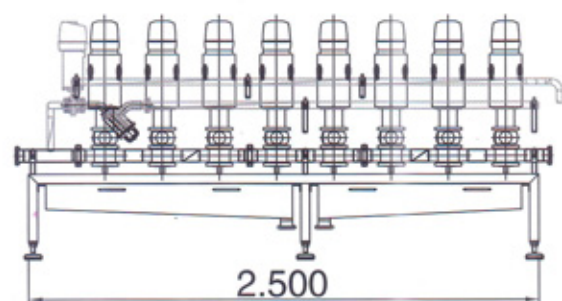
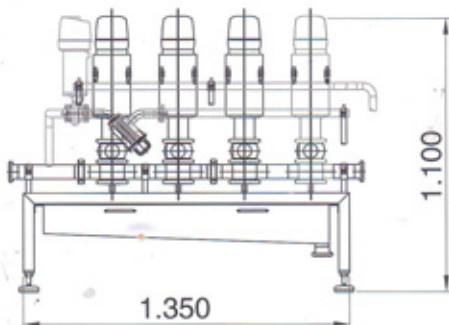
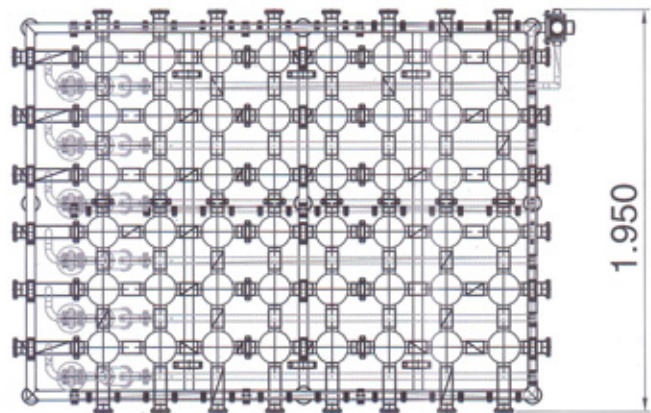
阀阵 4X4

Manifold 4X4



阀阵 8X6

Manifold 8X6



ZH 系列卫生级止回阀 ZH Sanitary Check Valve

应用

止回阀应用于不锈钢管道系统内，以达到防止液体回流的目的。

工作原理

当阀杆下部的压力超过阀杆上面的压力以及弹簧力时，阀门就开启，当阀杆上、下压力平衡时，阀门就会关闭。一个更高的逆向压力作用于阀杆使其关闭

材质

产品与介质接触部分 304或 316L

密封材料：EPDM橡胶

连接形式

焊接式、螺纹式、止箍式、法兰式

与管道或设备的连接方式均按

DIN11850 # IDF/ISO # SMS国际标准尺寸制造，保障与进口设备的连接与互换。

技术数据

如果阀门被安装在一根垂直管道内，开启阀门所需要的不同的压力大约为：

最大输送物料压力：10bar

最高温度：140°C (EPDM)

最低温度：-10°C

Application

Check valve is used in stainless steel pipe system to prevent reverse flow.

Working principle

The valve opens when the pressure below the valve plug exceeds the pressure above the plug plus spring force.

The valve close when pressure equalization has been achieved

A higher counter pressure will press the valve plug against the seat and makes the valve closed

Material

Material cinctact surface

Sealing material: EPDM

Connection style

Welded, threaded, clamped, flange

To assure the connection and substitution with imported facilities, all the connection styles with pipe or equipment are made to DIN 11850, IDF/ISO, SMS international standard size.

Technical date

Required differential pressures to turn on the valve that fitted in a vertical pipeline are about:

Max. Pressure for transfer material:10 bar

Max.Temperature:140°C(EPDM)

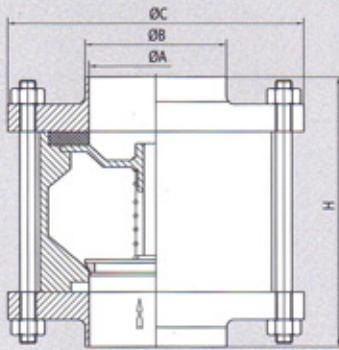
Min. Temperature:-10°C



法兰式止回阀
Flange check

Inch

No.1053



Size	A	B	C	H
1.0"	22.1	25.4	87	90
1.5"	34.8	38.1	97	90
2.0"	47.5	50.8	110	110
2.5"	60.2	63.5	127	120
3.0"	72.9	76.2	142	145
4.0"	97.38	101.6	162	150

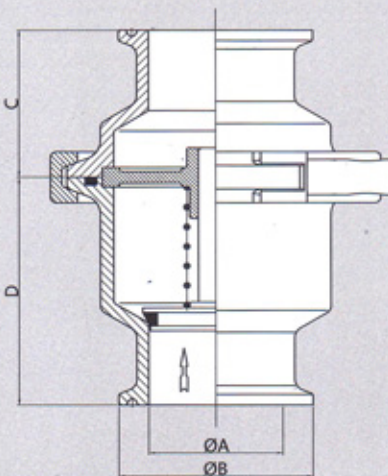
DIN

Size	A	B	C	H
DN25	26	29	87	90
DN32	32	35	92	90
DN40	38	41	97	90
DN50	50	53	110	110
DN65	66	70	127	120
DN80	81	85	142	145
DN100	100	104	162	150

卡箍-卡箍式
Clamp-clamp series

3A /SMS / ISO

No.1054



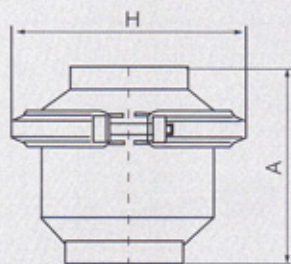
Size	A	B	C	D
1/2"	9.4	25.2	28.5	39.5
3/4"	15.75	25.2	28.5	39.5
1.0"	22.1	50.5	38	59
1.5"	34.8	50.5	38	59
2.0"	47.5	64	38	59
2.5"	60.2	77.5	38	59
3.0"	72.9	91	42	59
4.0"	97.38	119	44	55

DIN

DN	A	B	C	D
DN20	20	34	28.5	39.5
DN25	26	50.5	38	59
DN32	32	50.5	38	59
DN40	38	50.5	38	59
DN50	50	64	38	59
DN65	66	91	38	59
DN80	81	106	42	59
DN100	100	119	44	55

ISO止回阀
ISO Check Valve

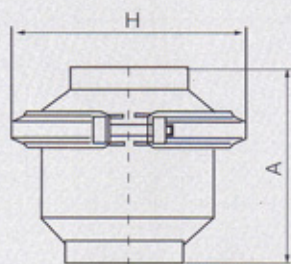
No.1055



Size	H	A
25	92	76
38	92	75
51	103	86
63.5	122	114
76.1	140	125
101.6	181	170

DIN止回阀
DIN Check Valve

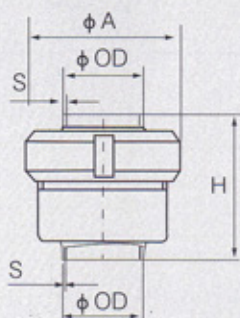
No.1055



Size	H	A
25	92	76
32	92	75
40	92	75
50	103	86
65	140	114
80	159	137
100	181	170

ZH- A型止回阀
ZH-A Type Check Valve

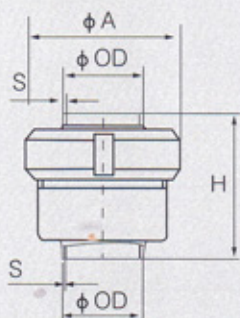
No.1056



Size	ODxS	A	H
25	25.4x1.5	72	65.5
32	31.8x1.5	72	69.5
38	31.8x1.5	72	69.5
51	50.8x1.5	82	76
63.5	63.5x2	98	102
76.2	76.2x2	112	102
101.6	101.6x2	146	127

ZH-B 型止回阀
ZH-B Type Check Valve

No.1057

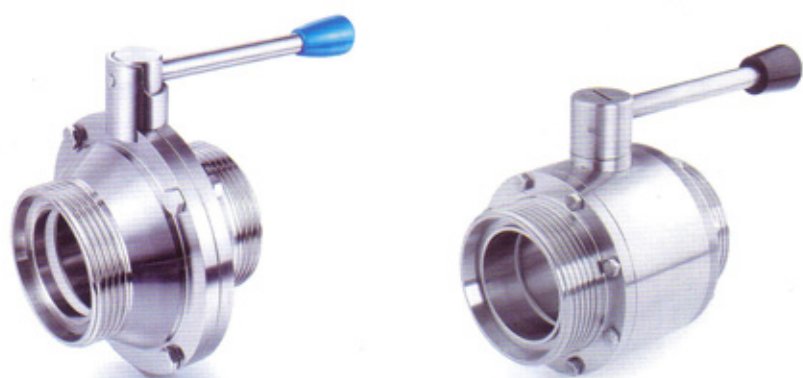


Size	ODxS	A	H
DN25	28/29x1.5	72	65.5
32	34/35x1.5	72	69.5
40	40/41x1.5	72	69.5
50	52/53x1.5	82	76
65	70x2	112	102
80	85x2	140	106
100	104x2	146	127

QF 系列卫生级球阀

QF Sanitary Ball Valve

无论是手动还是自动操作球阀，主要应用于加工饮料，
酿酒，炼油，化妆品和化学工业。



QF 系列卫生级球阀 QF Sanitary Ball Valve



应用

无论是手动还是自动操作球阀，主要应用于加工饮料，酿酒，炼油，化妆品和化学工业。

设计和特点

无需维护

比其他的阀门更小更轻

操纵扭矩小

垫圈根据PTFE FDA 177.2600

无论流体是何种流向，手柄可以安装在侧边的阀体上

无论是何种连接方式，阀体都可进行更换，而不会改变阀门的总长度

连接：螺纹，焊接，卡箍，法兰，DIN SMS RJT FIL

可装配气动执行器，电动执行器

物料接触部位 AISI 304/316L，其它部位 AISI 304

认证：PED，97/23/EC

选项

阀门类型：直通球阀，三块式球阀，三通球阀

球芯类型：T型、L型、直通型

带清洗排泄口

材质：AISI 304 316L

Application

It is widely used in beverage, brewing, oil refinery, cosmetic, chemical industries.

Design and features

Free of maintenances

Compact and portable

Small operating torque

Gasket complies with PTFE FDA 177.2600

Hand lever can be installed on the side of the valve body, no matter of the flow direction.

Connection ends: thread, clamp, weld, flange, DIN, SMS, RJT, FIL.

It can match with pneumatic and electric actuators.

Material for the part contacted with media is AISI 304/316L. Other part is AISI 304

Certifications: PED, 97/23/EC

Options

Type of valves: One way ball valve, three-piece ball valve. Three-way ball valve

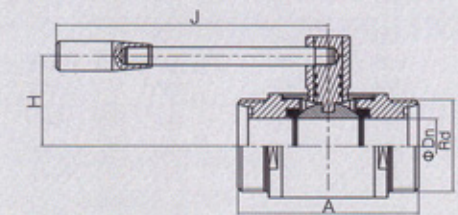
Type of cores: T type, L type, direct type.

With cleaning and drainage port

Material quality: AISI 304, 316L

直通螺纹球阀(DIN)
Direct way threaded ball valve (DIN)

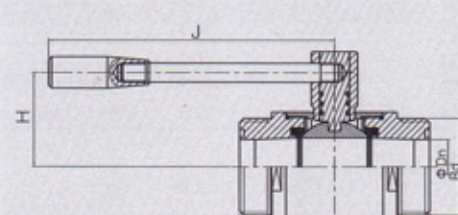
No.1058



Size	Rd	Dn	A	H	J	N.W
DN10	Rd28×1/8"	10	95	42	124	820
DN15	Rd34×1/8"	15	95	42	124	850
DN20	Rd44×1/6"	19	95	42	124	945
DN25	Rd52×1/6"	25	100	48	146	1300
DN32	Rd58×1/6"	31	108	50	146	1740
DN40	Rd65×1/6"	37	123	60	185	2160
DN50	Rd78×1/6"	49	136	68	185	2960
DN65	Rd95×1/6"	66	161	85	243	5100
DN80	Rd110×1/4"	81	180	96	243	7390
DN100	Rd130×1/4"	100	204	114	273	11120

直通螺纹球阀(SMS)
Direct way threaded ball valve (SMS)

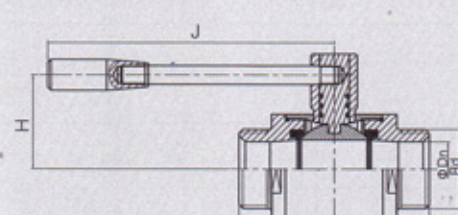
No.1059



Size	Rd	Dn	A	H	J	N.W
1/2"	Rd36×1/8"	9.7	95	42	124	945
3/4"	Rd36×1/8"	16	95	42	124	900
1"	Rd40×1/6"	22.4	100	48	146	1200
1 1/4"	Rd48×1/6"	28.8	108	60	185	1600
1 1/2"	Rd60×1/6"	35.1	123	60	185	2340
2"	Rd70×1/6"	47.8	136	68	185	2860
2 1/2"	Rd85×1/6"	59.5	150	80	205	4560
3"	Rd98×1/6"	72.2	172	90	243	6200
4"	Rd125×1/4"	97.6	204	114	273	11290

直通螺纹球阀(3A)
Direct way threaded ball valve (3A)

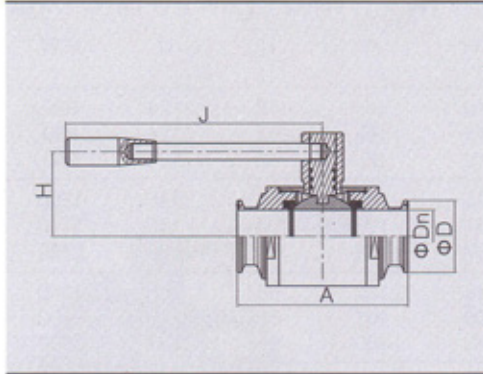
No.1059



Size	Acme	Dn	A	H	J
1/2"	37.1×1/8"	9.4	100	48	146
3/4"	37.1×1/8"	15.8	100	48	146
1"	37.1×1/8"	22.1	100	48	146
1 1/4"	45.9×1/8"	28.8	108	60	185
1 1/2"	50.6×1/8"	34.8	123	60	185
2"	64.1×1/8"	47.5	136	68	185
2 1/2"	77.6×1/8"	60.2	150	80	205
3"	91.1×1/8"	72.9	172	90	243
4"	119.2×1/6"	97.4	204	114	273

直通卡箍球阀 (DIN)
Direct way clamped ball valve(DIN)

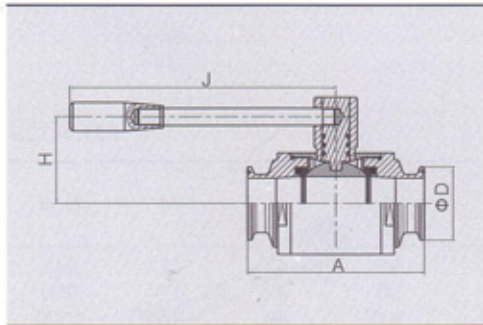
No.1060



Size	D	Dn	A	H	J	N.W
DN10	34	10	95	42	124	835
DN15	34	15	95	42	124	795
DN20	34	19	95	42	124	760
DN25	50.5	25	100	48	146	1220
DN32	50.5	31	108	50	146	1535
DN40	50.5	37	123	60	185	2375
DN50	64	49	136	68	185	2645
DN65	91	66	161	85	243	4840
DN80	106	81	180	96	243	7090
DN100	119	100	204	114	273	10680

直通卡箍球阀 (ISO IDF SMS 3A DS)
Direct way clamped ball valve (ISO IDF SMS 3A DS)

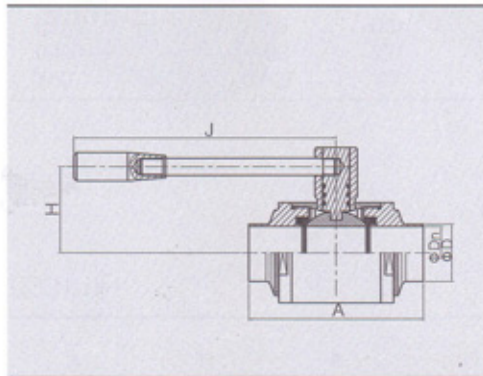
No.1061



Size	D	A	H	J	N.W
1/2"	25.4	95	42	124	810
3/4"	25.4	95	42	124	780
1"	50.5	100	48	146	1265
1 1/4"	50.5	108	60	185	1520
1 1/2"	50.5	123	60	185	2000
2"	64	136	68	185	2685
2 1/2"	77.5	150	80	205	4115
3"	91	172	90	243	5625
4"	119	204	114	273	10890

直通焊接球阀(DIN)
Direct way welded ball valve(DIN)

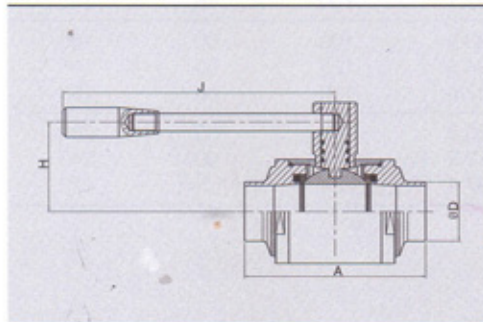
No.1062



Size	D	Dn	A	H	J
DN10	13	10	95	42	124
DN15	18	15	95	42	124
DN20	22	19	95	42	124
DN25	28	25	100	48	146
DN32	34	31	108	50	146
DN40	40	37	123	60	185
DN50	52	49	136	68	185
DN65	70	66	161	85	243
DN80	85	81	180	96	243
DN100	104	100	204	114	273

直通焊接球阀(ISO IDF SMS 3A DS)
Direct way welded ball valve(ISO IDF SMS 3A DS)

No.1063



Size	D	A	X	J
1/2"	12.7	95	42	124
3/4"	19.1	95	42	124
1"	25.4	100	48	146
1 1/4"	31.8	108	60	185
1 1/2"	38.1	123	60	185
2"	50.8	136	68	185
2 1/2"	63.5	150	80	205
3"	76.2	172	90	243
4"	101.6	204	114	273

QY 系列无菌取样阀 QY Aseptic Sampling Valve

工作原理

无菌取样阀可于每次取样之前和之后进行菌处理

阀门开：取样

手动阀门可以通过转动手柄开启(可调节式阀门)或通过驱动杆开启(开/关式阀门) 此时阀杆及隔膜回缩，使液体流入。

阀门关：杀菌

进行相反步骤时内置弹簧使阀门关闭，使软管部件之间的腔道空出以进行杀菌。如果使用蒸汽杀菌，我们建议在阀出口装一小型的泄压阀(属于选择类产品)。

标准设计

无菌取样阀由三部分组成，阀体，阀头和隔膜。橡胶隔膜置于阀头杆上使其可以伸缩。各型号间阀体和阀头可互相替换。

无菌取样阀有两种规格：

- M4阀门用于低黏度物料比如水，啤酒，酒类和液状牛奶。
- W9阀门用于高黏度物料比如水果型酸奶，糖浆和冰淇淋。
- W9阀门还可配以微型取样口，通过样针进行取样。

温度

最大杀菌温度，干燥蒸汽(2~3 bar): 121~134°C

阀体类型包括：

用于容器安装的焊接口，用于管路安装的焊接口，带卡箍接口或带螺纹接口。

阀 体

- T型：用于容器安装(焊接口)。
- P型：用于容器安装(焊接口)。
- C型：卡箍接口。
- S型：插式接口(螺纹)。

材 质

- 阀体：不锈钢，AISI 316L
- 阀头：不锈钢，AISI 304
- 隔膜：硅橡胶(标准型阀门)
- 三元乙丙橡胶(EPDM)(带微型取样口的阀门)

技术参数

- 阀座处最大工作压力(阀关闭): 1000 kpa (10 bar)
- 阀盖处最大工作压力(阀开启): 橡胶 500kpa (5 bar)
- 不锈钢: 1000 kpa (10 bar)



QY 系列无菌取样阀 QY Aseptic Sampling Valve

Operating Principles

Aseptic sampling valve can be carried out before and after each sampling Fungi

Valve opening: sampling

You can manually turn the handle opens the valve (adjustable valves) or by driving bar (open / close valve) valve stem and diaphragm retraction at this time, so that the liquid flows.

Valve off: Sterilization

Built-in step for spring opposite the valve closed, the cavity between the hose components vacated for sterilization. If you use steam sterilization, we recommend installation in the valve outlet of a small pressure relief valve (of the selected products.)

Standard design

Aseptic sampling valve consists of three parts, valve, valve head and diaphragm. Rubber septum membrane placed on the valve head so that it can be flexible rod. Between the valve body and the head model can be interchangeable.

Aseptic sampling valve in two sizes:

M4 valve for low viscosity materials such as water, beer, liquor and liquid milk.

W9 valve for high viscosity materials such as fruit, yogurt, syrup and ice cream.

W9 valve can also be coupled with micro-sampling ports, sampling by syringe.

Temperature

Maximum sterilization temperature, dry steam (2 ~ 3 bar): 121 ~ 134 °C

Valve body types include:

Welding for the installation of the container port, port welding for pipeline installation, interfaces with a clamp or threaded interface.

Valve body

T-type: for vessel installation (welding mouth).
P-type: for vessel installation (welding mouth).
C-type: Clamp interface.
S Type: Plug-in interface (thread).

Material

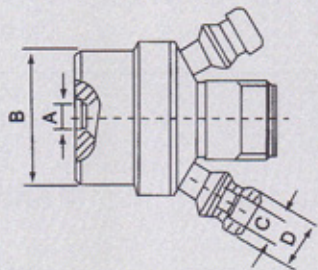
Body: Stainless steel, AISI 316L
Valve head: stainless steel, AISI 304
Diaphragm: Silicone rubber (standard valves)
Ethylene propylene diene monomer (EPDM) (with micro-sampling port valve)

Technical parameters

Work pressure at the valve seat (valve closed): 1000 kpa (10 bar)
Work pressure at the valve cover (valve open): Rubber 500kpa (5 bar)
Stainless steel: 1000 kpa (10 bar)

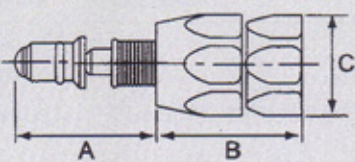
WGO 阀体
WGO Valve Body

No.1064

	A	B	C	D
	5	28	5	10

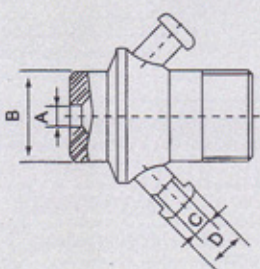
WGO 阀头
WGO Valve Head

No.1065

	A	B	C
	38	34	28

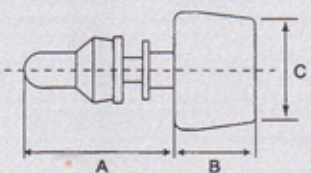
WGK 阀体
WGK Valve Body

No.1066

	A	B	C	D
	7	30	7	14

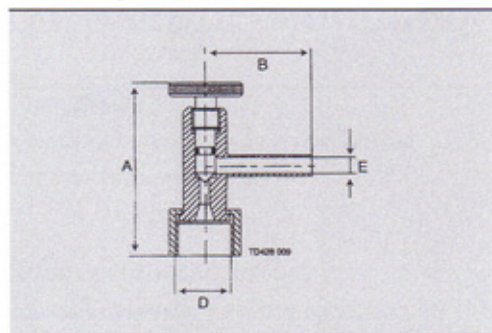
WGK 阀头
WGK Valve Head

No.1067

	A	B	C
	40	28	35

内螺纹取样阀
Threaded Sample Valve

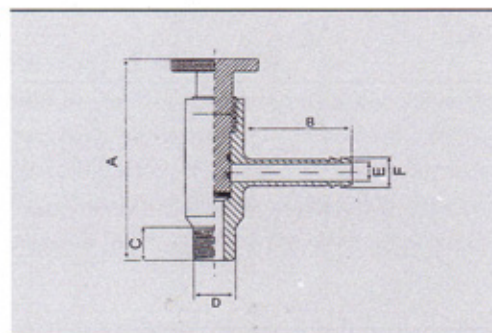
No.1068



Size	A	B	E	D
DN6	81	50	6	1/2
DN8	81	50	6	1/2
DN10	81	50	10	1/2

外螺纹取样阀
Threaded Sample Valve

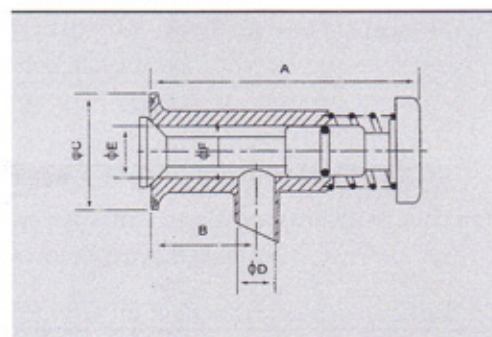
No.1069



Size	A	B	E	D	F
DN6	81	50	6	1/2	10
DN8	81	50	6	1/2	12
DN10	81	50	10	1/2	14

酸奶纹取样阀
Yogurt Sample Valve

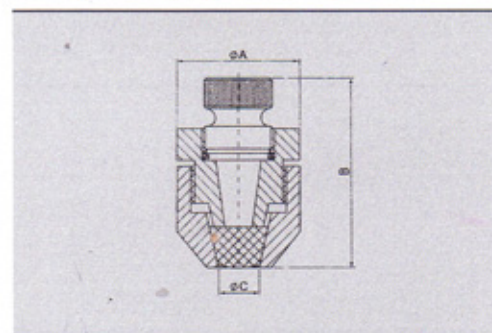
No.1070



Size	A	B	C	E	D	F
20	116	46	50.5	16	22	13

针筒抽式取样阀
Syringe Pumping Sampling Valve

No.1071



Size	A	B	C	E	D	F
Ø9	27	42	9			

JZ 系列气动角座阀 JZ Pneumatic Angle Seat Valve



应用

适用于气体和液体

技术参数

内孔: DN13-65

介质: 水, 酒精, 油, 燃料, 盐溶液

粘度: $\max. 600 \text{ mm}^2/\text{S}$

介质温度: 10 to +180°C with PTFE seal

环境温度:

PA执行机构: -10 to +60°C

PPS执行机构:

执行机构尺寸 $\varnothing 40-80$: +5 to +140°C

执行机构尺寸 $\varnothing 40-80$: +5 to +140°C

执行机构尺寸 $\varnothing 100-125$: +5 to +900°C

阀体材质

螺纹连接: 铸不锈钢316L

焊接口: 不锈钢316L

Applications

For gases and liquids

Technical parameters

Bore: DN13-65

Medium: water, alcohol, oil, fuel, salt solution

Viscosity: $\max. 600 \text{ mm}^2/\text{S}$

Medium temperature: 10 to +180°C with PTFE seal

Ambient temperature:

PA actuator: -10 to +60 °C

PPS implementing agency:

Executive body size? 40-80: +5 to +140 °C

Executive body size? 40-80: +5 to +140 °C

Executive body size? 100-125: +5 to +900 °C

Valve Body material

Threaded: Cast stainless steel 316L

Weld: stainless steel 316L

Material

Actuator material: PA, according to need to provide the PPS.

Density Material: PTFE (may need to provide NBR, FPM and EPDM).

Packing density (with brief fat): with spring compensation PTFE V-ring

No.1072

Size	A	B	C	D
DN15	85	215	76	G1/2
DN20	95	226	76	G3/4
DN25	105	171	92	G1
DN32	120	285	92	G1 1/4
DN40	130	292	92	G1 1/2

卫生级管配件系列

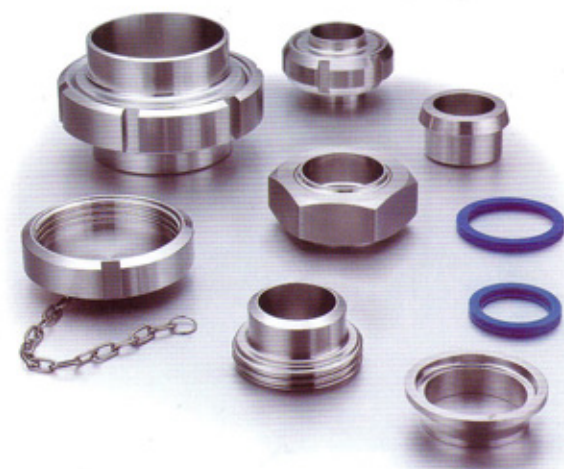
Sanitary Fitting

傑 凍生产的各种管件连接系列产品有DIN、3A、SMS、ISO/
IDF、BS-RJT、DS等各标准系列。





卫生级活接头 Unions



概述 Summarize

傑濠公司生产:DIN、SMS、3A、IDF、RJT、ISO、DS等标准卫生级活接头,产品毛坯全部由棒材锻制,CNC数控精加工。所有产品均可按客户要求加工不同的表面粗糙度。

所有金属材质均可提供EN10204、3.1B证书。

所有密封材质符合: FDA 177.2600。

Jimsoar can produce sanitary unions with DIN, SMS, 3A, IDF, RJT, ISO, DS standards .the forged parts are made from forged steel . machined by CNC .which can be done at different surface as clients' requirement .

Wanguo provide 3.1B certification of EN10204 for all the steel material.

All seal material must be fit to FDA.

技术参数 Technical date

标准 Standard	DIN, 3A, SMS, RJT, ISO, IDF, DS, Macon, GB
尺寸 Size	1" - 6" DN10-DN200 17.2-168.3
金属材质 Steel material	304, 304L, 316, 316L (锻造 Forging)
密封材质 Seal material	NBR, Silicone, EPDM, FPM, PTFE
表面处理 Surface qualities	1.Ra ≤ 1.6μm
	2.Ra ≤ 0.8μm
	3.Ra ≤ 0.4 (抛光 Polished)

产品订购

Ordering specifications

指定:

- 标准
- 规格
- 金属材质
- 密封材质
- 表面处理
- 数量

Specify:

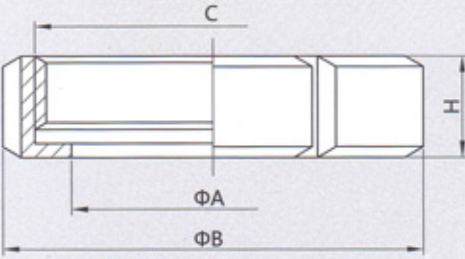
- Standard
- Size
- Steel material
- Seal material
- Surface quality
- Quantity

例 Example

标准 Standard	规格 Size	金属材质 Steel material	密封材质 Seal material	表面处理 Surface quality	数量 Quantity
3A-13	1.5"	304	/	1(Ra ≤ 1.6)	200

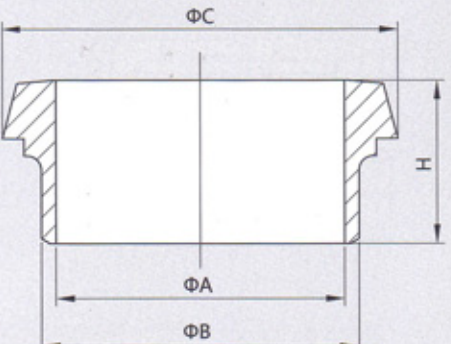
DIN

 螺帽
 Nut (DIN-13)



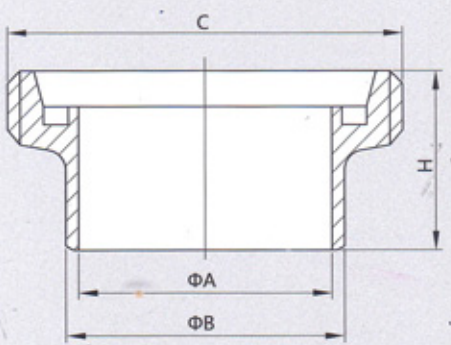
DN	A	B	C	H
10	19	38	Rd28x1/8"	18
15	25	44	Rd34x1/8"	18
20	31	54	Rd44x1/6"	20
25	36	63	Rd52x1/6"	21
32	42.5	70	Rd58x1/6"	21
40	49	78	Rd65x1/6"	21
50	62	92	Rd78x1/6"	22
65	80	112	Rd95x1/6"	25
75/3.0"	88	120	Rd104x1/6"	26
80	94	127	Rd110x1/4"	29
100	115	138	Rd130x1/4"	31
125	138	178	Rd160x1/4"	35
150	164	210	Rd190x1/4"	40

 焊接接头
 Welding liner (DIN-14)



DN	A	B	C	H
10	10	15	22.5	17
15	16	21	28.5	17
20	20	25	36.5	18
25	26	31	44	22
32	32	37	50	25
40	38	43	56	26
50	50	55	68.5	28
65	66	72	86	32
80	81	87	100	37
100	100	106	121	44
125	125	132	150	34
150	150	157	176	37

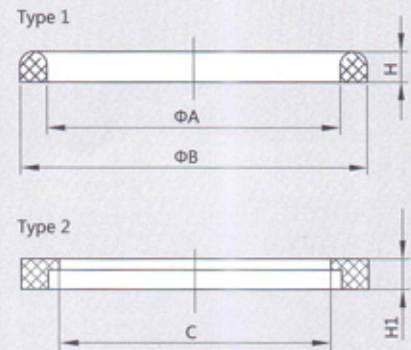
 焊接云头
 Welding male (DIN-15)



DN	A	B	C	H
10	10	15	Rd28x1/8"	21
15	16	21	Rd34x1/8"	21
20	20	25	Rd44x1/6"	24
25	26	31	Rd52x1/6"	29
32	32	37	Rd58x1/6"	32
40	38	43	Rd65x1/6"	33
50	50	55	Rd78x1/6"	35
65	66	72	Rd95x1/6"	40
80	81	87	Rd110x1/4"	45
100	100	106	Rd130x1/4"	54
125	125	132	Rd160x1/4"	46
150	150	157	Rd190x1/4"	50

密封圈 Seal ring

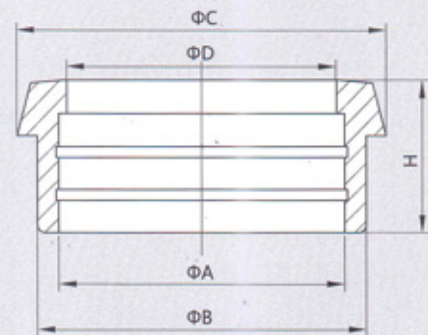
DN	A	B	C	H	H1
10	12	20	10.2	4.5	5
15	18	26	16.2	4.5	5
20	23	33	20.2	4.5	5
25	30	40	26.2	5	6
32	36	46	32.2	5	6
40	42	52	38.2	5	6
50	54	64	50.2	5	6
65	71	81	66.2	5	6
80	85	95	81.2	5	6
100	104	114	100.2	6	6
125	130	142	125.2	7	7
150	155	167	150.2	7	7



胀管接头 Expanding liner

DIN-14R

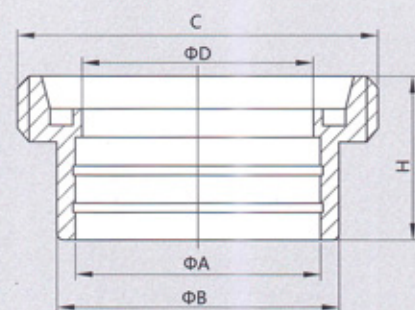
DN	A	B	C	D	H
10	12.2	18	22.5	10	17
15	18.2	24	28.5	16	17
20	22.2	30	36.5	20	18
25	28.2	35	44	26	22
32	34.2	41	50	32	25
40	40.2	48	56	38	26
50	52.2	61	68.5	50	28
65	70.3	79	86.0	66	32
80	85.3	93	100	81	37
100	104.3	114	121	100	44
101.6	101.8	114	121	100	54
125	129.3	137	150	125	34
150	154.3	163	176	150	37



胀管云头 Expanding liner

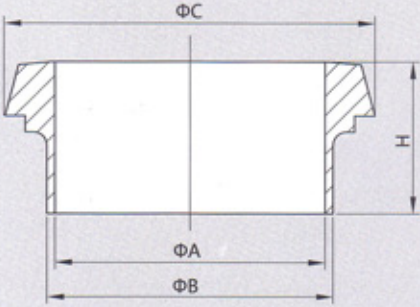
DIN-15R

DN	A	B	C	D	H
10	12.2	18	Rd28×1/8"	10	21
15	18.2	24	Rd34×1/8"	16	21
20	22.2	30	Rd44×1/6"	20	24
25	28.2	35	Rd52×1/6"	26	29
32	34.2	41	Rd58×1/6"	32	32
40	40.2	48	Rd65×1/6"	38	33
50	52.2	61	Rd78×1/6"	50	35
65	70.3	79	Rd95×1/6"	66	40
80	85.3	93	Rd110×1/4"	81	45
100	104.3	114	Rd130×1/4"	100	54
101.6	101.8	114	Rd130×1/4"	100	54
125	129.3	137	Rd160×1/4"	125	46
150	154.3	163	Rd190×1/4"	150	50



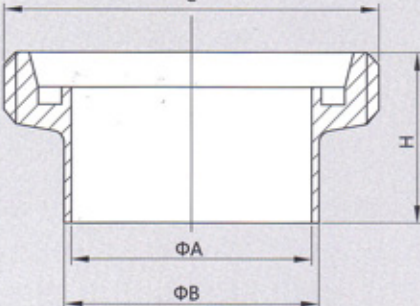
DIN

DIN-14H 焊接接头
Welding liner



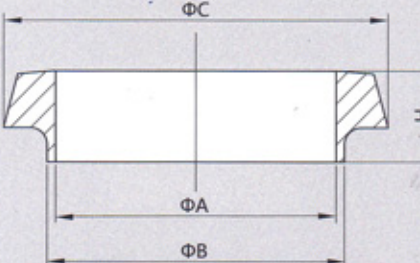
DN	A	B	C	H
10	10	13	22.5	17
15	16	19	28.5	17
20	20	23	36.5	18
25	26	29	44	22
32	32	35	50	25
40	38	41	56	26
50	50	53	68.5	28
65	66	70	86	32
80	81	85	100	37
100	100	104	121	44
125	125	129	150	34
150	150	154	176	37

DIN-15H 焊接云头
Welding male



DN	A	B	C	H
10	10	13	Rd28×1/8*	21
15	16	19	Rd34×1/8*	21
20	20	23	Rd44×1/6*	24
25	26	29	Rd52×1/6*	29
32	32	35	Rd58×1/6*	32
40	38	41	Rd65×1/6*	33
50	50	53	Rd78×1/6*	35
65	66	70	Rd95×1/6*	40
80	81	85	Rd110×1/4*	45
100	100	104	Rd130×1/4*	54
125	125	129	Rd160×1/4*	46
150	150	154	Rd190×1/4*	50

DIN-14S 焊接接头
Welding liner



DN	A	B	C	H
10	10	13	22.5	13
15	16	19	28.5	13
20	20	23	36.5	13
25	26	29	44	15
32	32	35	50	15
40	38	41	56	15
50	50	53	68.5	16
65	66	70	86	17
80	81	85	100	17
100	100	104	121	20
125	125	129	150	23.5
150	150	154	176	27