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Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
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Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
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Челябинск (351)202-03-61
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衬氟阀门 专业制造商

Fluorine-butterfly Valves
Professional Manufacturers

衬氟旋塞阀系列

Fluorine-butterfly
Plug Valve Series



衬氟旋塞阀
Fluorine-butterfly
Plug Valve



衬氟蜗轮旋塞阀
Fluorine-butterfly
Worm gear Plug Valve



不锈钢蜗轮旋塞阀
Stainless steel
Worm gear Plug Valve



衬氟旋塞阀
Fluorine-butterfly
Plug Valve



不锈钢衬氟蜗轮旋塞阀
Stainless steel Fluorine-butterfly
Worm gear Plug Valve



不锈钢蜗轮旋塞阀
Stainless steel
Worm gear Plug Valve

<https://mvi.nt-rt.ru/> || mav@nt-rt.ru

衬氟球阀系列

Fluorine-butterfly
ball Valve Series



衬氟蜗轮球阀
Fluorine-butterfly
Worm gear ball Valve



衬氟球阀
Fluorine-butterfly
ball Valve



衬氟球阀
Fluorine-butterfly
ball Valve



衬氟保温球阀
Fluorine-butterfly
Heat preservation ball Valve



衬氟放料球阀
Fluorine-butterfly
Ball Type Baiting Valve

衬氟蝶阀系列

Fluorine-butterfly
butterfly valve series



衬氟法兰式蝶阀
Fluorine-butterfly
Flange butterfly valve



衬氟对夹式蝶阀
Fluorine-butterfly
wafer butterfly valve

衬氟截止阀、闸阀、隔膜阀、止回阀系列

Fluorine-butterfly Globe Valve,
Gate Valve, Diaphragm Valve, Check Valve series



衬氟截止阀
Fluorine-butterfly
Globe Valve



衬氟角式截止阀
Fluorine-butterfly
Angle Type Globe Valve



衬氟闸阀
Fluorine-butterfly
Gate Valve



衬氟隔膜阀
Fluorine-butterfly
Diaphragm Valve



衬氟升降式止回阀
Fluorine-butterfly
Check Valve

衬氟视镜管件系列

Fluorine-butterfly Sight Glass,
Pipe Fittings Series



衬氟视镜
Fluorine-butterfly
Sight Glass



衬氟过滤器
Fluorine-butterfly
Filter



衬氟异径管
Fluorine-butterfly
Pipe



衬氟三通管
Fluorine-butterfly
Tee Pipe



衬氟三通管
Fluorine-butterfly
Tee Pipe



MACH VALVE
INDUSTRIAL

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为使阀门既有金属的强度，又有耐腐蚀的特性，本公司生产的各种衬氟阀门：壳体选用铸钢、不锈钢、铸铝球墨铸铁等为金属件，阀门内腔各部件对化学介质过滤的部件，选用良好的耐腐蚀工程塑料作衬里材料，采用先进的钢衬塑料工艺技术，根据规格的大小不同，衬里厚度分别为3-8mm氟塑料(F45、F4、F3、PFA、PVDF)、增强聚丙烯(简称FRPP)、超高分子量聚乙烯(简称PE)、乙炔、丙烯、丁烯共聚物(PO)、填料选用聚四氟乙烯作密封环，各种阀门均经电火花检测和耐压试验，各种衬氟阀门具有强度高、启闭灵活、密封好、抗老化、耐各类酸、碱、盐等腐蚀性的特点。

二、防腐衬里材料介绍：

(1)聚四氟乙烯(PTFE/F4)

适用介质：任何有机溶剂或试剂-稀酸或无机酸、碱、醇、醚、芳烃、氯化烃等。工作温度： $\leq 200^{\circ}\text{C}$ 。

特点：PTFE耐高温性能好，可在 -250°C ~ 260°C 温度内长期使用耐腐蚀性好，摩擦系数是塑料中最小的，自润滑性能优良；电绝缘性能优异，并且不受工作环境温度和频率的影响，具有良好的耐电击穿性，耐化学腐蚀性优良，在高温、高压下氟元素和塑料材料中的金属杂质对它没有侵蚀作用，某些氯化物或芳烃使其有轻微的膨胀外，其它诸如强酸、强碱、强氧化剂、油脂、酮、醚、醇等即使是在高温下也对它不起作用。

(2)聚四氟乙烯-丙烯(FEP/F46)

适用介质：任何有机溶剂或试剂，稀酸或无机酸、碱、醇、芳烃、氯化烃等。工作温度： $\leq 200^{\circ}\text{C}$ 。

特点：力学、电性能和化学稳定性基本与F4相同，但突出优点是冲击韧性强，即使带缺口试样也不断，有极好的耐酸和耐碱性，易于成型加工，是为了克服聚四氟乙烯成型加工困难而发展的一种含氟树脂，除使用温度低于F4外，其它都保持了聚四氟乙烯的优良性能。

(3)可溶性聚四氟乙烯(PFA)

适用介质：强酸、强碱、强氧化剂、有机溶剂等。工作温度： $\leq 180^{\circ}\text{C}$ 。

特点：类似F46的一种新型含氟树脂，是为了克服聚四氟乙烯加工成型困难而发展的一个新品种，完全保持了聚四氟乙烯的优良性能，良好的机械、点绝缘性能，突出耐热性和低摩擦性能，难熔、低烟、耐大气性好。最大的优点是容易成型加工。

(4)聚三氟乙烯(PCTFE/F3)

适用介质：各种有机溶剂，无机腐蚀性(氧化剂除外)，工作温度： $\leq 120^{\circ}\text{C}$ 。特点：耐热性、电性能化学稳定性仅次于F4，机械强度、抗蠕变性能、硬度比F4好。

(5)聚二氟乙烯(PVDF/F2)

适用介质：各种大多数化学介质和溶剂。工作温度： $\leq 120^{\circ}\text{C}$ 。

特点：拉伸强度和压缩强度比F4好，耐磨损和冷流性好；耐侯、耐辐射和抗老化等，而最大特点是粘接力大，韧性好，易成型。

(6)增强聚四氟乙烯(UHMW-PE)

适用介质：各种浓度的水溶液、无机酸、碱、稀的有机溶液。工作温度： $\leq 120^{\circ}\text{C}$ 。特点：是最轻的塑料之一，其屈服、拉伸和压缩强度、硬度均优于低压力聚乙烯，有较突出的韧性，耐老化好，易成型。改性后冲击性、流动性、弯曲弹性模数高。

(7)改性聚丙烯(PO)

适用介质：各种浓度的酸、碱及某些有机溶剂。工作温度： $\leq 110^{\circ}\text{C}$ 。

特点：是目前世界上最理想的防腐材料，防静电、无毒害。强度高、优质材料，已广泛旋铸成型的大型设备和阀门管道作内衬。广泛应用于化工、冶金、食品、纺织等行业。

(8)超高分子量聚乙烯(UHMW-PE)

适用介质：耐有机溶剂性介质(酸、碱、盐，但强氧化剂除外)及有机溶剂。工作温度： $\leq 100^{\circ}\text{C}$ 。特点：具有突出耐摩擦性、低摩擦系数和自润滑性；优良的耐应力开裂性、耐低温蠕变性；优良的拉伸强度，极高的冲击强度；具有卓越的化学稳定性；表面无吸附力，电绝缘性优良；无毒害等综合性能。

用户可根据工作条件、温度选用不同的衬里材料

In order to make the valve has both the strength of the metal and corrosion resistant properties, our company produces all kinds of fluoroplastic lined valves: cast steel, stainless steel shell, precision casting, ductile iron etc for body lining material use engineering plastics which has good corrosion resistance. We adopt the advanced steel liner moulding technology, according to the specifications of different sizes lining thickness 3-8mm of fluorine plastic (F46, F4, F3, PFA, PVDF), reinforced polypropylene (FRPP), ultra-high molecular weight polyethylene (PE), ethylene, propylene, butene copolymer (PO). PTFE as sealing ring all valves should be electric spark tested and hydrostatic tested. All kinds of steel lining plastic valve has high strength, flexible for opening and closing, good seal, anti-aging, resistant to all kinds of acid, alkali, salt and other corrosive characteristics.

2. Introduction of anti-corrosion lining materials:

(1) PTFE (F4)

Applicable medium: any organic solvent or reagent - thin or thick inorganic acid, alkali, alcohol, ketone, aromatic hydrocarbons, chlorinated hydrocarbons, etc. Working temperature: $\leq 200^{\circ}\text{C}$. PTFE features: high temperature resistant performance, can be used in -250°C to 260°C temperature for long time. Good wear-resisting performance, the static friction coefficient is the smallest of plastic, with good lubrication performance. Electrical insulating performance is excellent, and is not affected by the work environment, temperature and frequency, with good arc resistance, excellent chemical corrosion resistance. Expect for fluorine elements under high temperature, high pressure and contact status of alkali metal erosion on it some halide amine or aromatic hydrocarbon expansion make it slightly, other such as strong acid, strong alkali, strong oxidizing agents, grease, ketones, ethers, drunk, even at high temperatures has no work for PTFE.

(2) FEP (F46)

Applicable medium: any organic solvent or reagents, dilute or boom inorganic acid, alkali, ketone, aromatic hydrocarbons, chlorinated hydrocarbons, etc. Working temperature: $\leq 200^{\circ}\text{C}$. Features: mechanics, electricity performance and chemical stability, almost same as F4, but outstanding advantage is high impact toughness. Even with notch specimen continuously and has excellent corrosion resistance and radiation, easy processing. FEP is a development in order to overcome difficulties of PTFE forming. Expect for the work temperature is less than F4. FEP keep the good performance of PTFE.

(3) solubility polytetrafluoroethylene (PFA)

Applicable medium: strong acid, strong alkali, liquid and organic solvent, etc. Working temperature: $\leq 180^{\circ}\text{C}$. Features: similar with F46, one new fluorine resin, a development in order to overcome the PTFE processing molding difficult. Completely keep the good performance of PTFE, good mechanical and insulation, heat resistance and low friction performance, flame retardant, low smoke and good resistance to atmosphere. The greatest advantage is easy forming.

(4) PCTFE (F3)

Applicable medium: various kinds of solvents, inorganic corrosion liquid (oxidizing acids), working temperature: $\leq 120^{\circ}\text{C}$.

Features: chemical stability, heat resistance and electric properties after F4, mechanical strength, creep resistance and hardness better than F4.

(5) PVDF (F2)

Applicable medium: the most resistant and solvent chemical medium. Working temperature: $\leq 120^{\circ}\text{C}$.

Features: the tensile strength and compression strength is better than the F4, good wear resistance and cold flow; Corrosion resistance, radiation resistance and anti-aging, etc., and the biggest characteristic is cohesive force big, good toughness, easy to shape.

(6) enhance as usual polyethylene (FRPP)

Applicable medium: aqueous solution of inorganic salts, inorganic acid, alkali of thin or thick solution. Working temperature: $\leq 120^{\circ}\text{C}$. Characteristics: it is one of the most light plastic, its yield, tensile and compression strength and hardness are better than that of low pressure polyethylene, has outstanding rigidity, good heat resistance, easy to shape. Modified impact, high liquidity, bending modulus of elasticity.

(7) modified polyolefin (PO)

Applicable medium: various concentration of acid, alkali salt a few some organic solvents. Working temperature: $\leq 110^{\circ}\text{C}$.

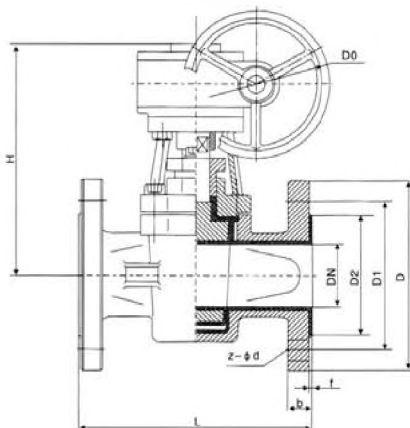
Characteristics: it is currently the world's most ideal anticorrosion, anti-static, non-toxic, high strength of high quality material, has been widely rotational molding and lined to large equipment and pipeline valve. Widely used in chemical industry, metallurgy, food, textile, etc.

(8) Ultra high molecular weight gather the ethylene (UHMW-PE)

Applicable medium: ability conservative medium (acid, alkali, salt, except oxidizing acid) and organic solvents. Working temperature: $\leq 100^{\circ}\text{C}$.

Features: outstanding wear resistance, low friction coefficient and good lubrication; Good stress cracking resistance, resistance to high temperature creep, Good tensile strength, high impact strength, With excellent chemical stability, Surface adsorption capacity, excellent electrical insulation, Non-toxic, etc.

The user can choose different lining material according to the working conditions, temperature



技术标准 Technical Standards

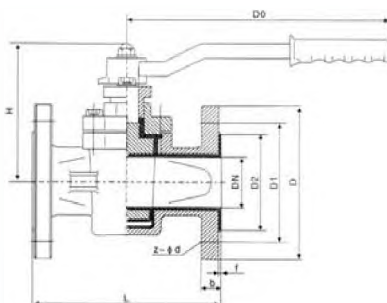
设计标准 Design And Manufacture	GB/T 12240
结构长度 structure length	GB 12221(中系列)、HG/T 3704-2003、ASME B16.10
法兰尺寸 Flange dimension	HG20592-97、ANSI B16.5a
结构形式 Structure form	直通/ L型三通/ Y型三通 (pads-through, L type tee, Y type tee)
驱动方式 Drive way	手动/ 电动/ 气动/ 蜗轮 (Manual/ Electric/ Pneumatic/ Worm gear)
公称压力 Nominal pressure	0.6、1.0、1.6、2.5 MPa Class150
压力试验 Pressure test	GB/T 13927 API598

基本型号 Basic Model

手动 Manual	X43F4(全/半衬里 Full, Half lining)	蜗轮 传动 Worm Gear Transmission	X343F4(全/半衬里 Full, Half lining)
	X43F46(全/半衬里 Full, Half lining)		X343F46(全/半衬里 Full, Half lining)
	X43PFA(全/半衬里 Full, Half lining)		X343PFA(全/半衬里 Full, Half lining)
气动 Pneumatic	X643F4(全/半衬里 Full, Half lining)	电动 Electric	X943F4(全/半衬里 Full, Half lining)
	X643F46(全/半衬里 Full, Half lining)		X943F46(全/半衬里 Full, Half lining)
	X643PFA(全/半衬里 Full, Half lining)		X943PFA(全/半衬里 Full, Half lining)

主要零部件材料 Main Parts And Materials

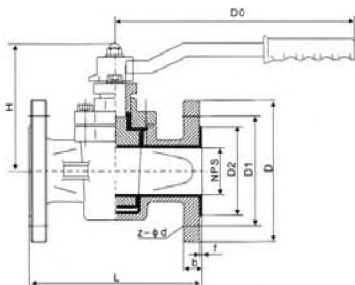
零件名称 Part Name	碳钢 Carbon steel		不锈钢 Stainless Steel		
	C	P	R	PL	RL
阀体、阀盖、阀瓣 Valve Body, Valve Cover, Disc	WCB	CF8	CF8M	CF3	CF3M
内衬材料 Lining material	FEP(F46)、PTFE(F4)、PFA(可溶性聚四氟乙烯) PO(聚烯烃)、PE(超高分子量聚乙烯)				
螺栓 Bolt	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9Ti	1Cr18Ni9Ti
螺母 Nut	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9



主要连接尺寸 Main connecting dimension

公称通径 Nominal diameter		标准值 Standard value							参考值 Reference	
DN (mm)	NPS (inch)	L	D	D1	D2	b	f	Z-Φd	D0	H
PN1.0/PN1.6 (MPa)										
15	1/2	130	95	85	45	14	2.5	4-Φ14	185	105
20	3/4	130	105	75	55	16	2.5	4-Φ14	185	105
25	1	140	115	85	65	16	2.5	4-Φ14	250	120
32	1 1/4	165	140	100	75	18	2.5	4-Φ18	250	120
40	1 1/2	165	150	110	85	18	3	4-Φ18	300	125
50	2	203	165	125	100	20	3	4-Φ18	300	140
65	2 1/2	222	185	145	120	20	3	4-Φ18	365	160
80	3	241	200	160	135	20	3	8-Φ18	365	165
100	4	305	220	180	155	22	3.5	8-Φ18	365/280	180/280
125	5	356	250	210	185	22	3.5	8-Φ18	300	310
150	6	394	285	240	210	24	3.5	8-Φ22	320	330
200	8	457	340	295	265	24	4	8-Φ22/12-Φ22	350	390
250	10	533	395/405	350/355	320	26	4	12-Φ22/12-Φ26	350	445
300	12	610	445/460	400/410	368/375	26/28	4.5	12-Φ22/12-Φ26	400	545
350	14	686	505/520	460/470	428/435	26/30	4.5	16-Φ22/16-Φ26	500	550
400	16	762	565/580	515/525	480/485	26/32	5	16-Φ26/16-Φ30	600	715
PN2.5 (MPa)										
100	4	305	235	190	160	24	3.5	8-Φ22	365/280	180/280
125	5	356	270	220	188	26	3.5	8-Φ26	300	310
150	6	394	300	250	210	28	3.5	8-Φ26	320	330
200	8	457	360	310	278	30	4	12-Φ26	350	390
250	10	533	425	370	332	32	4	12-Φ30	350	445
300	12	610	485	430	390	34	4.5	16-Φ30	400	550
350	14	686	555	490	445	38	4.5	16-Φ34	500	715

※表中尺寸DN100以上为蜗轮，DN100以下为手柄尺寸。按（化工部 HG20592-97）标准制造；订货须说明



主要零部件材质结构 Main Spare Part Material Quality Structure

序号 No.	名称 Name	材质 Material quality
1	阀体 Valve	ASTM A216 WCB, ASTM A351, CF8, CF8M, CF3, CF3M
2	衬里材料 Lining material	半衬半套: PTFE, PPL (对位聚苯), 碳纤维, 填充 全衬 FEP(F46), PTFE(F4), PFA(可溶性聚四氟乙烯), PO(聚烯烃), PE(超高分子量聚乙烯)
3	塞子 Plug	半衬: ASTM A216 WCB, ZCY13, CF8, CF8M, CF3, CF3M, SAF2507, M400合金钢等 全衬: CF8, WCB包复合-PTFE, F46, PFA, PO, PE
4	密封垫片 Gasket seal	PTFE, FEP (柔性石墨+不锈钢)
5	密封填料 Sealing compound	PTFE, 氟橡胶 FKM, 乙丙橡胶 X3, 丁腈 X5
6	平面轴承 Surface bearing	GCT15
7	内六角螺栓 In six foot screw	ASTM A193-B7, A193-B8, A193-B8M, CF8M, CF8, CF3, CF3M
8	阀盖 Valve cover	ASTM A216-WCB, ASTM A351, CF8, CF8M, CF3, CF3M
9	调节(压盖) Adjusts (Gland)	ASTM A216-WCB, ASTM A351, CF8, CF8M, CF3, CF3M
10	调节六角螺栓 Adjustment hexagon bolt	ASTM A193-B7, A193-B8, A193-B8M
11	手柄 Handle	ASTM A216-WCB, CF8
12	橡胶塞 Oak gum cover	X5

产品性能规格 Products performance specification

公称压力(Lb) Nominal pressure	壳体试验压力(Lb) Shell test	密封试验压力(Lb) Sealing test	适用温度(°C) Suitable temp	适用介质 Suitable medium
150Lb	3.0	2.2	-20~+150、200、300	耐腐蚀: 酸、碱、海水、蒸汽、油品等
300Lb	7.5	5.5		

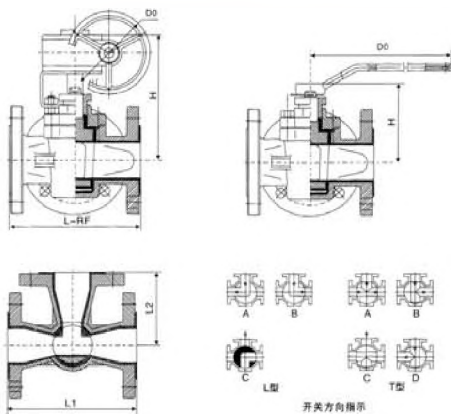
技术规范 Technical specification

1	结构形式 Structural style	独特BC
2	驱动方式 Driving mode	手柄、蜗轮蜗杆转动、气动、电动
3	设计标准 Design standard	API599, API6D
4	结构长度 Structure length	ASME B 16.10
5	连接法兰 Connecting flange	ASME B 16.5
6	试验和检验 Test and inspection	API598, API6D

● 阀门连接法兰尺寸可根据用户要求设计制造。

主要连接尺寸 Main connecting dimension

公称通径 Nominal diameter		标准值 Standard value							参考值 Reference	
DN (mm)	NPS (inch)	L	D	D1	D2	I	b	Z-Φd	D0	H
ANSI 150Lb										
15	1/2	108	89	60.5	35	2.5	12	4-15	185	105
20	3/4	117	98	70	43	2.5	12	4-15	185	105
25	1	127	108	79.5	51	2.5	13	4-15	250	120
32	1 1/4	140	117	89	64	2.5	14	4-15	250	120
40	1 1/2	165	127	98.5	73	3	15	4-15	300	125
50	2	178	152	120.5	92	3	16	4-19	300	140
65	2 1/2	190	178	139.5	105	3	18	4-19	365	160
80	3	203	190	152.5	127	3	19	4-19	365	165
100	4	229	229	190.5	157	3.5	24	8-19	365/280	180/280
125	5	254	254	216	186	3.5	24	8-22	300	310
150	6	267	279	241.5	216	3.5	26	8-22	320	330
200	8	292	343	298.5	270	4	28	8-22	350	390
250	10	330	406	362	324	4	30	12-25	350	445
300	12	356	483	432	381	4.5	32	12-25	400	545
350	14	381	533	476	413	4.5	35	12-29	500	550
400	16	406	597	540	470	5	37	16-29	600	715
450	18	864	635	578	533	5	40	16-32	700	750
500	20	914	699	635	584	5	42	20-35	800	810
ANSI 300Lb										
15	1/2	140	95	68.5	35	2.5	15	4-15	185	105
20	3/4	152	117	82.5	43	2.5	16	4-19	185	105
25	1	165	124	89	51	2.5	18	4-19	250	120
32	1 1/4	178	133	98.5	64	2.5	19	4-19	250	120
40	1 1/2	190	156	114.5	73	3	21	4-22	300	125
50	2	216	165	127	92	3	23	8-19	300	140
65	2 1/2	241	190	149	105	3	26	8-22	365	160
80	3	283	210	168.5	127	3	29	8-22	365	165
100	4	305	254	200	157	3.5	32	8-22	365/280	180/280
125	5	381	279	235	186	3.5	35	8-22	300	310
150	6	403	318	270	216	3.5	37	12-22	320	330
200	8	419	381	330	270	4	42	12-25	350	390
250	10	457	445	387.5	324	4	48	16-29	350	445
300	12	502	521	451	381	4.5	51	16-32	400	545
350	14	762	584	514.5	413	4.5	54	20-32	500	550
400	16	838	648	571.5	470	5	58	20-35	600	715



主要零部件材质结构 Main spare part Material quality structure

主要零件材料名称 Major Parts Material Name	铸钢 Cast Steel	不锈钢 Stainless Steel			
	C	P	R	PL	RL
阀体、阀芯、阀盖、压盖 Valve Body, Valve Core, Valve Cover, Gland	WCB	CF8	CF8M	CF3	CF3M
衬里材料 Lining Material	EP(F46)、PTFE(F4)、PFA(可溶性聚四氟乙烯)、PO(聚烯烃)、PE(超分子量聚乙烯)				
螺栓 Bolt	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9Ti	1Cr18Ni9Ti
螺母 Nut	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9

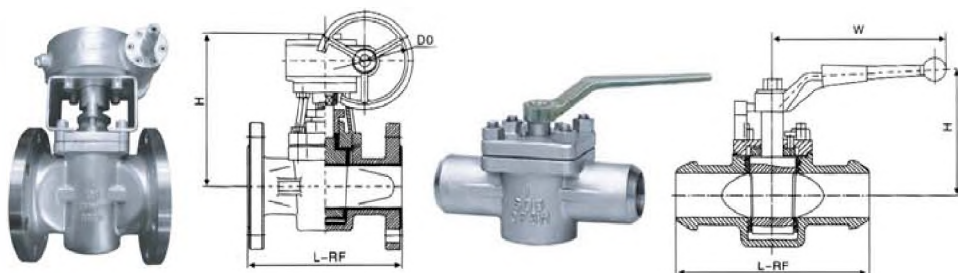
技术规范 Technical specification

结构形式 Structural	独特BC
驱动方式 Driving Mode	手柄、蜗轮蜗杆传动、气动、电动 Handle, worm gear and worm rotation, Pneumatic, electric
设计标准 Design Standard	API598, API6D HG/T20592-97
结构长度 Structure Length	ASME B 16.10
连接法兰 Connecting Flange	ASME B 16.5
试验和检验 Test And Inspection	API598, API6D

主要外形尺寸及连接尺寸 Main outside and connection dimension

DN	Class 150Lb			PN1.0~1.6MPa		参考值Reference	
	NPS	L1	L2	L1	L2	H	D0
40	1 1/2	165	104	165	104	125	250
50	2	178	106	203	107	140	250
65	2 1/2	190	126	222	127	160	300
80	3	203	143	241	143	165	320
100	4	229	164	305	164	180/260	350
125	5	254	164	356	164	310	300
150	6	267	200	394	200	330	320
200	8	292	222	457	222	390	350
250	10	330	258	533	258	445	400

※阀门连接法兰尺寸可根据用户要求设计制造。



半衬 Half lining	1 阀体全衬里 Valve body lining	特点: 具有优异的化学稳定性, 耐温、寒、滑、强酸、碱、氧化剂等 Features: Excellent Chemical Stability, Heat Resistance, Cold, Smooth, Strong Acid, Alkal, Oxidant, Etc
	2 芯子不锈钢 Core stainless steel	特点: 具有防止化学中颗粒流动冲击影响密封性能。适用: 各种合金、不锈钢材质。 Characteristics: Have has prevent chemical particles in flow shocks affect the sealing performance, apply to all kinds of alloy, stainless steel material

主要连接尺寸 Main connecting dimension

压力等级 Pressure	(美标) X43F ANSI-150Lb														
口径 (mm)	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350
Size (in)	1/2	3/4	1	1 1/4	1 1/2	2 1/2	2	3	4	5	6	8	10	12	14
L-RF	108	117	127	140	165	178	190	203	229	254	267	292	330	356	685
压力等级 Pressure	(美标) X43F ANSI-300Lb														
L-RF	140	152	165	178	190	216	241	283	305	381	403	419	457	502	762
压力等级 Pressure	(英标) X43F PN1.0-1.6-2.5MPa														
L-RF	130	130	140	165	165	203	222	241	305	356	394	457	533	610	686
H	105	105	120	120	125	140	160	165	180/280	310	330	390	445	545	550
D0	185	185	250	250	300	300	365	365	365/280	300	320	350	350	400	500

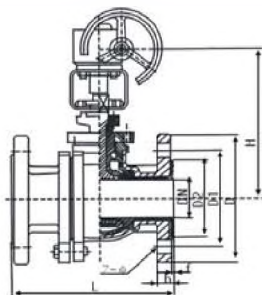
※Dn100以上为蜗轮操作尺寸, 阀门连接法兰尺寸可根据用户要求设计制造。

主要零部件材质结构 Main spare part Material quality structure

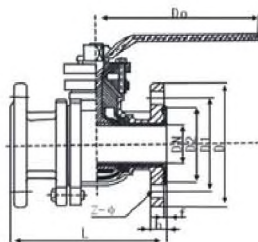
主要零件材料名称	铸钢		不锈钢		
	C	P	R	PL	RL
阀体、阀芯、阀盖、压盖	WC6	CF8	CF8M	CF3	CF3M
衬里材料 (卡套)	TFE、PPL(对位聚苯)、碳纤维、填充 (可特制) 体内全衬: FEP (F46) PFA				
螺栓	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9Ti	1Cr18Ni9Ti
螺母	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9

※美标: 按API599、API16D

※国标: 按化工部 HD20592-97 (标准设计) 制造



Q341F46



Q41F4

技术标准 Technical Standards

设计和制造 Design and manufacture	GB/T12237
结构长度 Structure Length	HG/T3704-2003 GB12221ASME B16.10
法兰尺寸 Flange dimensions	GB/T9113.1-2000 ANSI B16.5a
连接方式 Connection method	对夹、法兰式 Wafer Flange
公称压力 Nominal pressure	0.6、1.0、1.6、2.5、MPa Class150 JIS10K
压力试验 Pressure Test	GB/T13927-92 API598

基本型号 Basic Model

	Q41F4全衬Full lining	Q641F4全衬Full lining
手动 Manual	Q41F46全衬Full lining	Q641F46全衬Full lining
	Q41PFA全衬Full lining	Q641PFA全衬Full lining
	Q341F4全衬Full lining	Q341F4全衬Full lining
气动 Pneumatic	Q341F46全衬Full lining	Q341F46全衬Full lining
	Q341PFA全衬Full lining	Q341PFA全衬Full lining

主要零部件材料 Main Parts And Materials

零件名称 Part Name	精铸球墨铸铁 Precision casting ductile iron	碳钢 Carbon Steel	不锈钢 Stainless Steel			
	QT	C	P	R	PL	RL
阀体、阀盖 Valve Body Valve Cover	QT400	WCB	CF 8	CF 8M	CF 3	CF 3M
球体 Sphere	QT400	WCB	CF 8	CF 8M	CF 3	CF 3M
内衬材料阀座 Lining material valve seat	FEP(F46)、PTFE(F4)、PFA(可溶性聚四氟乙烯 Soluble ptfte)、 PO(聚烯烃 Polyolefin)、PE(超高分子量聚乙烯 Ultra-high molecular weight polyethylene)					
填料压盖 Packing gland	WCB	WCB	CF 8	CF 8M	CF 3	CF 3M
填料 Packing	PTFE(聚四氟乙烯 Teflon)					
螺栓 Bolt	35	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9	1Cr18Ni9
螺母 Nut	45	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9
手柄 hand shank	WCB					

主要连接尺寸及重量 Main External And Connection Dimension

公称直径 Nominal Diameter		主要尺寸 Main Dimensions							参考值 Reference		
		L	D	D1	D2	t	B	Z-φd	Do	H	重量(kg)
DN mm	NPS inch	PN1.0MPa									
15	1/2	140	95	65	45	3	14	4-φ14	120	80	3
20	3/4	140	105	75	55	3	16	4-φ14	140	90	3.9
25	1	150	115	85	65	3	16	4-φ14	160	100	4.5
32	1 1/4	165	135	100	78	3	18	4-φ18	160	110	6.5
40	1 1/2	180	145	110	85	3	18	4-φ18	200	120	8
50	2	200	160	125	100	3	20	4-φ18	250	135	11
65	2 1/2	220	180	145	120	3.5	20	4-φ18	300	145	15.5
80	3	250	195	160	135	3.5	22	4/8-φ18	350	180	19
100	4	280	215	180	155	3.5	22	8-φ18	240	195	26
125	5	320	245	210	185	3.5	24	8-φ18	500	210	44
150	6	360	280	240	210	4	24	8-φ23	200°	450	70
200	8	400	335	295	265	4	26	8-φ23	240°	490	110
250	10	450	390	350	320	5	28	12-φ23	240°	550	220
300	12	610	440	400	368	5	28	12-φ23	320°	600	280
350	14	686	500	460	428	5	30	16-φ23	320°	675	410
PN1.6MPa											
15	1/2	140	95	65	45	3	14	4-φ14	120	80	3
20	3/4	140	105	75	55	3	16	4-φ14	140	90	3.9
25	1	150	115	85	65	3	16	4-φ14	160	100	4.5
32	1 1/4	165	135	100	78	3	18	4-φ18	160	110	6.5
40	1 1/2	180	145	110	85	3	18	4-φ18	200	120	8
50	2	200	160	125	100	3	20	4-φ18	250	135	11
65	2 1/2	220	180	145	120	3.5	20	4-φ18	300	145	15.5
80	3	250	195	160	135	3.5	22	8-φ18	350	185	19
100	4	280	215	180	155	3.5	24	8-φ18	240	195	26
125	5	320	245	210	185	3.5	26	8-φ18	500	210	44
150	6	360	280	240	210	4	28	8-φ23	200°	450	70
200	8	400	335	295	265	4	30	12-φ23	240°	490	110
250	10	450	405	355	320	5	32	12-φ27	280°	550	220
300	12	610	460	410	375	5	34	12-φ27	280°	600	280
350	14	686	520	470	435	5	38	16-φ27	320°	675	410

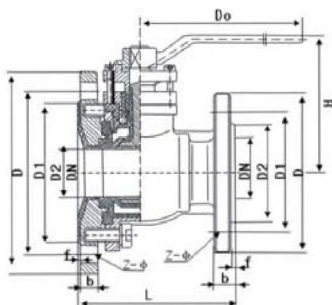
DN200Do尺寸为蜗轮手尺寸, DN200以下Do尺寸为手柄尺寸, 机械标准(JB78)时为4孔

主要连接尺寸及重量 Main External And Connection Dimension

公称通径 Nominal Diameter		主要尺寸 Main Dimensions						参考值 Reference			
		L	D	D1	D2	I	B	Z-φd	Do	H	重量(kg)
DN mm	NPS inch	PN2.5MPa									
15	1/2	140	95	65	45	3	15	4-14	140	90	3.5
20	3/4	140	105	75	55	3	17	4-14	140	100	4
25	1	150	115	85	65	3	17	4-14	180	105	5.5
32	1 1/4	165	140	100	75	3	19	4-18	180	120	6.7
40	1 1/2	180	150	110	85	3	19	4-18	225	140	9
50	2	200	165	125	100	3	21	4-18	225	150	10.5
65	2 1/2	220	185	145	120	3.5	23	8-18	360	160	16
80	3	250	200	160	135	3.5	25	8-18	420	215	21
100	4	280	235	190	155	3.5	25	8-22	420	240	26
125	5	320	270	220	185	3.5	28	8-26	520	250	50
150	6	360	300	250	210	4	30	8-26	520	290	85
200	8	400	360	310	275	4	32	12-26	240	340	145
250	10	450	425	370	330	5	34	12-30	240	380	200
ANSI B16.0LB											
15	1/2	110	89	60.5	35	2.5	15	4-15	140	90	3.5
20	3/4	117	98	70	43	2.5	15	4-15	140	100	4
25	1	127	108	79.5	51	2.5	15	4-15	180	105	5.5
32	1 1/4	140	117	89	64	2.5	15	4-15	180	120	7
40	1 1/2	165	127	98.5	73	3	16	4-15	225	140	9
50	2	178	152	120.5	92	3	17	4-19	225	150	15.5
65	2 1/2	190	178	139.5	105	3	19	4-19	360	160	19.5
80	3	203	190	152.5	127	3	20	4-19	420	215	30
100	4	229	229	190.5	157	3.5	24	8-19	420	240	40
125	5	254	254	216	186	3.5	25	8-22	520	250	57
150	6	267	279	241.5	216	4	27	8-22	520	290	73.5
200	8	292	343	298.5	270	4	30	8-22	240	340	121
250	10	330	406	362	324	4	32	12-25	240	380	159

DN200Do尺寸为蜗轮尺寸, DN200以下Do尺寸为手柄尺寸

衬氟放料球阀 Fluorine-butterfly Ball Type Baiting Valve



主要零部件材料 Main Parts And Materials

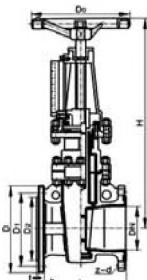
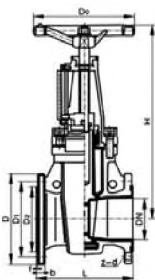
零件名称 Part Name	铸铜球阀阀体 Pressure Baiting Valve Body	碳钢 Carbon Steel	不锈钢 Stainless Steel			
	QT	C	P	R	PL	RL
阀体、阀盖 Valve Body, Valve Cover	QT400	WCB	CF 8	CF 8M	CF 3	CF 3M
球体 Sphere	QT400	WCB	CF 8	CF 8M	CF 3	CF 3M
内衬材料阀座 (ring material valve seat)	FEP(F46), PTFE(F4), PFA(可溶性聚四氟乙烯 Soluble ptfef), POI(聚烯烃 Polyolefin), PCL(超高分子量聚乙烯 Ultra-high molecular weight polyethylene)					
填料压盖 Packing gland	WCB	WCB	CF 8	CF 8M	CF 3	CF 3M
填料 Packing	PTFE (F4) 聚四氟乙烯 Teflon					
螺栓 Bolt	35	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9	1Cr18Ni9
螺母 Nut	45	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9
手柄 Hand shank	WCB					

技术标准 Technical Standards	
设计和制造 Design and manufacture	GB/T12237
结构长度 structure length	HG/T3704-2003 GB 1222ASME B16.10
法兰尺寸 Flange dimensions	GB/T9113.1-2000 ANSI B16.5a
连接方式 Connection method	对夹、法兰式 Water Flange
公称压力 Nominal pressure	0.6、1.0、1.6、2.5Mpa Class150 JIS10K
压力试验 Pressure test	GB/T13927-92 API598

主要连接尺寸及重量 Main External And Connection Dimension

公称口径 Nominal Diameter	主要尺寸 Main Dimensions							参考值 Reference		
	PN10(1.0MPa)									
	L	D	D1	D2	Z-Φd	F	B	Do	H	重量(kg)
DN(mm)										
25/50	125	115/140	85/110	65/90	4-14/4-14	3/3	17/17	180	105	6
32/65	135	140/160	100/130	78/110	4-18/4-14	3/3	19/17	180	120	7.5
40/65	150	150/160	110/130	85/110	4-18/4-14	3/3	19/17	225	140	10
40/80	150	150/190	110/150	85/125	4-18/4-18	3/3	19/19	225	140	10
50/80	165	165/190	125/150	100/125	4-18/4-18	3/3	21/19	225	150	16
50/100	165	165/210	125/170	100/145	4-18/4-18	3/3	21/19	225	150	16
65/100	180	185/210	145/170	120/145	4-18/4-18	3/3	21/19	360	160	20.5
65/125	180	185/240	145/200	120/175	4-18/4-18	3/4	21/20	360	160	20.5
80/125	240	200/240	160/200	135/175	8-18/8-18	3/4	21/20	420	215	31
80/150	240	200/265	160/225	135/200	8-18/8-18	3/4	21/22	420	215	31
100/150	260	220/265	180/225	155/200	8-18/8-18	3/4	23/22	420	240	43
100/200	260	220/320	180/280	155/255	8-18/8-18	3/4	23/24	420	240	43

机标(JB78)时为4孔,表中尺寸标准为GB/9113.1-2000标准,订货说明。



技术标准 Technical Standards

设计和制造 Design and manufacture	GB/T12234
结构长度 structure length	GB12221
法兰尺寸 Flange dimensions	JB/T79-94 GB9113.1-26
压力试验 Pressure test	GB/T13927
驱动方式 Drive way	手动 电动 气动 Manual, electric, pneumatic

零件材料 Parts and materials

Z4CF 型

序号 No.	零件名称 Part name	灰铸铁 Gray cast iron	铸钢 Cast	不锈钢/耐蚀钢 Acid-resistant stainless steel		超低碳不锈钢/耐蚀铸钢 Ultra-low carbon stainless acid-resistant cast valve	
		Z	C	P	R	PL	RL
1	阀体/端盖/闸板 Body / cap / damper	HT250	WCB	CF8	CF8M	CF3	CF3M
2	阀杆 Stem	1Cr13	2Cr13	1Cr18Ni9	1Cr18Ni12Mo2Ti	00Cr18Ni10	00Cr17Ni14Mo2
3	衬里/阀座 Lining / seat	PTFE(F4), PCTFE(F3), FEP(F46), PFA(可溶性4)					
4	填料/压盖 Filler / gland	WCB		CF8	CF8M	CF3	CF3M
5	填料 Packing	PTFE(F4)		PTFE(F4)		PTFE(F4)	
6	活节螺栓 Loose bolt	35		1Cr17Ni2		1Cr17Ni2	
7	阀杆螺母 Stem nut	ZCuAl10Fe3		ZCuAl10Fe3		ZCuAl10Fe3	
8	紧固螺母 Fastening nut	45		1Cr17Ni2		1Cr18Ni9Ti	
9	螺母 Screw nut			0Cr18Ni9		0Cr18Ni9	
10	手轮 Handwheel	WCB		WCB		WCB	

连接尺寸 Connection Size

公称通径		标准值Standard values						参考值Reference value			
DN(mm)	NPS(inch)	L	D	D1	D2	f	b	Z-d	W	D0	H
PN0.6MPa											
15	1/2	130	80	55	40	3	12	4-12	100	100	120
20	3/4	150	90	65	50	3	14	4-12	100	120	140
25	1	160	100	75	60	3	14	4-12	120	130	150
32	1 1/4	180	120	90	70	3	16	4-14	120	156	185
40	1	240	130	100	80	3	16	4-14	160	165	205
50	2	250	140	110	90	3	16	4-14	160	350	400
65	2	270	160	130	110	3.5	16	4-14	180	370	435
80	3	280	185	150	125	3.5	18	4-18	180	430	510
100	4	300	205	170	145	3.5	18	4-18	220	495	595
125	5	325	235	200	175	4	20	8-18	220	610	735
150	6	350	260	225	200	4	20	8-18	240	670	820
200	8	400	315	280	255	4	22	8-18	240	815	1015
250	10	450	370	335	310	4.5	24	12-18	240	965	1215
300	12	500	435	395	362	4.5	24	12-23	280	1140	1440
350	14	550	485	445	412	5	26	12-23	280	1275	1625
400	16	600	535	495	462	5	28	16-23	320	1445	1845
450	18	650	590	550	518	5	28	16-23	320	1530	1980
500	20	700	640	600	568	5	30	16-23	360	1725	2225

连接尺寸 Connection Size

公称通径		标准值						参考值			
DN(mm)	NPS(Inch)	L	D	D1	D2	f	b	Z-d	D0	H	H1
PN1.0MPa											
15	1/2	130	95	65	45	3	14	4-14	100	110	125
20	3/4	150	105	75	55	3	16	4-14	100	120	140
25	1	160	115	85	65	3	16	4-14	120	132	155
32	1 1/4	180	135	100	78	3	18	4-14	120	156	185
40	1	240	145	110	85	3	18	4-18	160	187	210
50	2	250	160	125	100	3	20	4-18	160	358	410
65	2	270	180	145	120	3.5	20	4-18	180	375	440
80	3	280	195	160	135	3.5	22	4-18	180	435	515
100	4	300	215	180	155	3.5	22	8-18	220	500	600
125	5	325	245	210	185	4	24	8-18	220	615	740
150	6	350	280	240	210	4	24	8-23	240	675	825
200	8	400	335	295	265	4	26	8-23	280	820	1020
250	10	450	390	350	320	4.5	28	12-23	320	970	1220
300	12	500	440	400	368	4.5	28	12-23	320	1145	1445
350	14	550	500	460	428	5	30	16-23	360	1280	1630
400	16	600	565	515	482	5	32	16-27	400	1450	1850
450	18	650	615	565	532	5	32	20-27	500	1538	1968
500	20	700	670	620	585	5	34	20-27	500	1730	2230
PN1.6MPa											
15	1/2	130	95	65	45	3	14	4-14	120	110	130
20	3/4	150	105	75	55	3	16	4-14	120	120	140
25	1	160	115	85	65	3	16	4-14	120	135	160
32	1 1/4	180	135	100	78	3	18	4-18	160	160	190
40	1	240	145	110	85	3	18	4-18	160	170	220
50	2	250	160	125	100	3	20	4-18	160	360	410
65	2	270	180	145	120	3.5	20	4-18	180	380	440
80	3	280	195	160	135	3.5	22	8-18	180	440	520
100	4	300	215	180	155	3.5	24	8-18	240	500	600
125	5	325	245	210	185	4	26	8-18	240	615	740
150	6	350	280	240	210	4	28	8-23	280	680	830
200	8	400	335	295	265	4	30	12-23	280	820	1020
250	10	450	405	355	320	4.5	32	12-27	320	980	1230
300	12	500	460	410	375	4.5	34	12-27	320	1150	1450
350	14	550	520	470	435	5	38	16-27	400	1285	1635
400	16	600	580	525	485	5	40	16-30	400	1455	1855
450	18	650	640	585	545	5	44	20-30	500	1545	1990
500	20	700	705	650	608	5	46	20-33	500	1735	2235



技术标准 Technical Standards

设计和制造 Design and manufacture	GB/T12235
结构长度 Structure length	GB 12221, HG/T3704-2003
法兰尺寸 Flange dimensions	GB/T9113.1-2000 ANSI B16.5a
结构形式 Structure form	直通、直流、角式 Straight through, DC, angle type
驱动方式 Drive way	手动、电动、气动 Manual, Electric, Pneumatic
公称压力 Nominal pressure	0.6、1.0、1.6、1.5MPa Class150 JIS10K
压力试验 Pressure test	GB/T13927-92 API598

基本型号 Basic Model

手动 Manual	J41F4J41F4J41PFA	蜗轮 传动 Worm Gear Transmission	J341F4J341F4J341PFA
	J44F4J44F4J44PFA		J344F4J344F4J344PFA
	J45F4J45F4J45PFA		J345F4J345F4J345PFA
气动 Pneumatic	J641F4J641F4J641PFA		J941F4J941F4J941PFA
	J644F4J644F4J644PFA	电动 Electric	J944F4J944F4J944PFA
	J645F4J645F4J645PFA		J945F4J945F4J945PFA

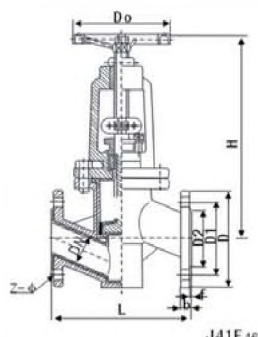
主要零部件材料 Main Parts And Materials

序号 No	零件名称 Part Name	精铸球墨铸铁 Precision casting ductile iron	碳钢 Carbon Steel			不锈钢 Stainless Steel	
		QT	C	P	R	PL	RL
1	阀体、阀盖、阀瓣 Valve body, valve cover, disc	QT400	WCB	CF 8	CF 8M	CF 3	CF 3M
2	阀杆 valve stem	2Cr13	2Cr13	1Cr18Ni9	1Cr18Ni12Mo2Ti	00Cr18Ni10	1Cr17Ni14Mo2
3	活节螺栓 Eyelet bolt	35	35	1Cr17Ni2	1Cr17Ni2	1Cr17Ni2	1Cr17Ni2
4	衬面层 lining layer	FEP(F46), PTFE(F4), PFA(可溶性聚四氟乙烯 Soluble pte), PO(聚烯烃 Polyolefin), PE(超高分子量聚乙烯 Ultra-high molecular weight polyethylene)					
5	填料 Packing	PTFE(F4)					
6	填料压盖 Packing gland	WCB	WCB	CF 8	CF 8M	CF3	CF 3M
7	阀杆螺母 Stem nut						
8	螺栓 bolt	35	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9	1Cr18Ni9
9	螺母 nut	45	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9
10	手轮 hand wheel	A3					

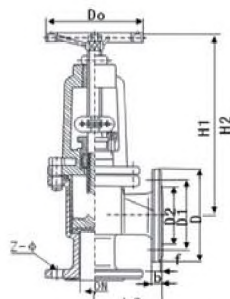
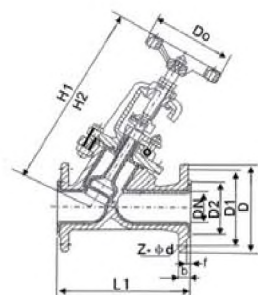
衬氟截止阀 Fluorine-butterfly Globe Valve



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J41F46



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主要连接尺寸及重量 Main External And Connection Dimension

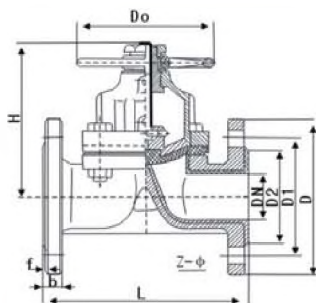
公称通径 Nominal Diameter		主要尺寸 Main Dimensions									参考值 Reference			
		L	L1	L2	D	D1	D2	f	B	Z-d	D0	H1	H2	重量(kg)
DN(mm) NPS(inch)		PN1.0MPa												
15	1/2	130	130	90	95	65	45	3	14	4-Φ14	100	235	260	3.9
20	3/4	150	150	95	105	75	55	3	16	4-Φ14	100	240	265	5
25	1	160	160	100	115	85	65	3	16	4-Φ14	120	245	270	6
32	1 1/4	180	180	105	135	100	78	3	18	4-Φ18	140	255	285	8.8
40	1 1/2	200	200	115	145	110	85	3	18	4-Φ18	140	285	315	12
50	2	230	230	124	160	125	100	3	20	4-Φ18	160	295	330	17
65	2 1/2	290	290	145	180	145	120	3.5	20	4-Φ18	180	350	395	22
80	3	310	310	155	195	160	135	3.5	22	4/8-Φ18	240	395	445	30
100	4	350	350	175	215	180	155	3.5	22	8-Φ18	240	450	490	42
125	5	400	400	200	245	210	185	4	24	8-Φ18	280	525	555	63
150	6	480	480	225	280	240	210	4	24	8-Φ23	320	605	645	91
200	8	600	600	275	335	295	265	4.5	26	8-Φ23	360	645	765	115
250	10	730	730	325	390	350	320	4.5	28	12-Φ23	400	635	805	230
300	12	750	750		440	400	368	5	28	12-Φ23	400	710	814	285
350	14	787	787		500	460	428	5	30	16-Φ23	450	750	855	345
PN1.6MPa														
15	1/2	130	130	90	95	65	45	3	14	4-Φ14	100	240	265	3.9
20	3/4	150	150	95	105	75	55	3	16	4-Φ14	100	245	270	5
25	1	160	160	100	115	85	65	3	16	4-Φ14	120	250	275	6
32	1 1/4	180	180	105	135	100	78	3	18	4-Φ18	140	260	290	8.8
40	1 1/2	200	200	115	145	110	85	3	18	4-Φ18	140	285	320	12
50	2	230	230	124	160	125	100	3	20	4-Φ18	160	300	335	17
65	2 1/2	290	290	145	180	145	120	3.5	20	4-Φ18	180	355	400	22
80	3	310	310	155	195	160	135	3.5	22	8-Φ18	240	400	450	30
100	4	350	350	175	215	180	155	3.5	24	8-Φ18	240	455	495	42
125	5	400	400	200	245	210	185	4	26	8-Φ18	280	530	560	63
150	6	480	480	225	280	240	210	4	28	8-Φ23	320	610	650	91
200	8	600	600	275	335	295	265	4.5	30	12-Φ23	360	650	770	115
250	10	730	730	325	405	355	320	4.5	32	12-Φ27	400	690	810	230
300	12	750	750		460	410	375	5	34	12-Φ27	400	730	845	285

机标(JB78)时为4孔;表中尺寸标准为GB/T113.1-2000标准。订货说明。

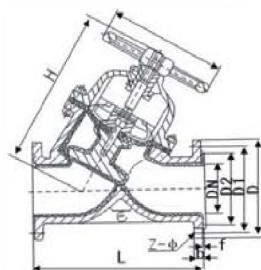
主要连接尺寸及重量 Main External And Connection Dimension

公称通径 Nominal Diameter		主要尺寸 Main Dimensions									参考值 Reference			
		L	L1	L2	D	D1	D2	f	B	Z-d	D0	H1	H2	重量(kg)
DN mm	NPS inch	PN2.5MPa												
15	1/2	130	130	90	95	65	45	3	15	4-14	120	165	180	9
20	3/4	150	150	95	105	75	55	3	17	4-14	120	195	215	11
25	1	160	160	100	115	85	65	3	17	4-14	160	210	235	12
32	1 1/4	180	180	105	140	100	75	3	19	4-18	160	215	245	13.5
40	1 1/2	200	200	115	150	110	85	3	19	4-18	180	260	295	16
50	2	230	230	125	165	125	100	3	21	4-18	200	300	345	18.5
65	2 1/2	290	290	145	185	145	120	3.5	23	8-18	250	320	360	28
80	3	310	310	155	200	160	135	3.5	25	8-18	280	390	465	44
100	4	350	350	175	235	190	155	3.5	25	8-23	300	450	540	49
125	5	400	400	200	270	220	185	3.5	28	8-27	320	460	570	62
150	6	480	480	225	300	250	210	4	30	8-27	350	530	665	84
200	8	600	600	275	360	310	275	4	32	12-27	450	600	790	135
250	10	730	730	325	425	370	330	4	34	12-30	500	720	940	219
ANSI 150LB														
15	1/2	130	130	90	89	60.5	35	3	15	4-15	120	165	180	8
20	3/4	150	150	95	98	70	43	3	15	4-15	120	195	215	9
25	1	160	160	100	108	79.5	51	3	15	4-15	160	210	235	10
32	1 1/4	180	180	105	117	89	64	3	15	4-15	160	215	245	12
40	1 1/2	200	200	115	127	98.5	73	3	16	4-15	180	260	295	15
50	2	230	230	125	152	120.5	92	3	17	4-19	200	300	345	17
65	2 1/2	290	290	145	178	139.5	105	3.5	19	4-19	250	320	380	26
80	3	310	310	155	190	162.5	127	3.5	20	4-19	260	390	465	43
100	4	350	350	175	229	190.5	157	3.5	24	8-19	300	450	540	45
125	5	400	400	200	254	216	186	3.5	25	8-22	320	460	570	57
150	6	480	480	225	279	241.5	216	4	28	8-22	350	530	665	82
200	8	600	600	275	343	298.5	270	4	30	8-22	450	600	790	131
250	10	700	700	325	406	362	324	4	32	12-25	500	720	940	216

衬氟隔膜阀 Fluorine-butterfly Diaphragm Valve



Q41F46



Q45F46

技术标准 Technical Standards	
设计和制造 Design and manufacture	GB/T12235
结构长度 structure length	HG/T3704-2003 GB12221 ASME B16.10
法兰尺寸 Flange dimensions	GB/T9113.1、ANSI B16.5a
结构形式 Structure form	堰式、直流式 weir type/straight-flow
驱动方式 Drive way	手动、电动、气动 Manual, Electric, Pneumatic
公称压力 Nominal pressure	0.6、1.0、1.6、2.5
压力试验 Pressure test	GB/T 13927-92 API598

基本型号 Basic Model			
手动 Manual	G41F46堰式 Weir type	蜗轮 传动 Worm Gear Transmission	G641F46往复式 Reciprocating type
	G41F46堰式 Weir type		G641F46往复式 Reciprocating type
	G45F46直流式 DC type		G645F46常闭式 Normally closed type
气动 Pneumatic	G45F46直流式 DC type	电动 Electric	G645F46常闭式 Normally closed type
	G9B41F46防爆型 Explosion proof type		G945F46普通式 Common type
	G9B41F46防爆型 Explosion proof type		G945F46普通式 Common type

主要零部件材料 Main Parts And Materials

序号 No	零件名称 Part Name	精铸球墨铸铁 Precision casting ductile iron	碳钢 Carbon Steel		不锈钢 Stainless Steel		
		QT	C	P	R	PL	RL
1	阀体、阀盖、阀瓣 Valve Body, Valve Cover, Valve Disk	QT400	WCB	CF 8	CF 8M	CF 3	CF 3M
2	阀杆 Valve Stem	2Cr13	2Cr13	CF 8	CF 8M	CF 3	CF 3M
3	衬里层 Lining Layer	FEP(F46), PTFE(F4), PFA(可溶性聚四氟乙烯 Soluble ptf), PO(聚烯烃 Polyolefin), PE(超高分子量聚乙烯 Ultra-high molecular weight polyethylene)					
4	隔膜 Diaphragm	ZCuAl10Fe3					
5	阀杆螺母 Stem nut	FEP(F46), CR(氯丁橡胶 Neoprene), PFA(可溶性聚四氟乙烯 Soluble ptf), FPDM(乙丙橡胶 Ethylene propylene rubber)					
6	螺栓 Bolt	35	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9	1Cr18Ni9
7	螺母 Nut	45	45	0Cr17Ni9	0Cr17Ni9	0Cr18Ni9	0Cr18Ni9
8	手轮 hand wheel	A3					

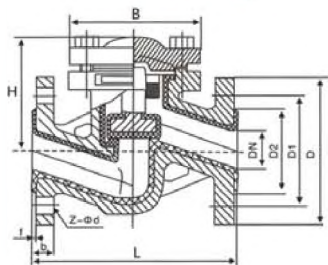
主要连接尺寸及重量 Main External And Connection Dimension

公称直径 Nominal Diameter		主要尺寸 Main Dimensions							参考值 Reference		
		L	D	D1	D2	I	B	Z-d	Do	H	重量(kg)
DN mm	NPS Inch	PN0.6MPa									
15	1/2	125	80	55	40	3	14	4-12	120	120	3
20	3/4	135	90	65	50	3	15	4-12	120	120	3.5
25	1	145	100	75	60	3	16	4-12	160	130	5
32	1 1/4	160	120	90	70	3	17	4-14	160	135	7
40	1 1/2	180	130	100	80	3	17	4-14	180	160	8.5
50	2	210	140	110	90	3	17	4-14	200	165	11
65	2 1/2	250	160	130	110	3	17	4-14	250	200	17
80	3	300	190	150	125	3	19	4-18	280	220	22
100	4	350	210	170	145	3.5	20	4-18	300	275	28
125	5	400	240	200	175	3.5	20	8-18	320	335	50
150	6	460	265	225	200	3.5	22	8-18	350	380	70
200	8	570	320	280	255	4	24	8-18	450	500	110
250	10	680	375	335	310	4	26	12-18	500	575	218
PN1.0MPa											
15	1/2	125	95	62	45	3	15	4-14	120	120	3.5
20	3/4	135	105	72	55	3	17	4-14	120	120	4
25	1	145	115	85	65	3	17	4-14	160	130	5.5
32	1 1/4	160	140	100	75	3	19	4-18	160	135	8
40	1 1/2	180	150	110	80	3	19	4-18	180	160	9
50	2	210	165	125	100	3	21	4-18	200	165	12
65	2 1/2	250	185	145	120	3	21	4-18	250	200	21
80	3	300	200	160	135	3	21	8-18	280	220	28
100	4	350	220	180	155	3.5	23	8-18	300	275	38
125	5	400	250	210	185	3.5	24	8-18	320	335	60
150	6	460	285	240	210	3.5	26	8-23	350	380	82
200	8	570	340	295	265	4	26	8-23	450	500	123
250	10	680	395	350	320	4	28	12-23	500	575	235

机标(JB78)时为4孔,表中尺寸为GB/9113.1-2000标准、订货说明。

主要连接尺寸及重量 Main External And Connection Dimension

公称通径 Nominal Diameter		主要尺寸 Main Dimensions							参考值 Reference		
		L	D	D1	D2	f	B	Z-d	Do	H	重量(kg)
DN mm	NPS inch	PN1.6MPa									
15	1/2	125	95	65	45	3	15	4-14	120	120	3.5
20	3/4	135	105	75	55	3	17	4-14	120	120	4
25	1	145	115	85	65	3	17	4-14	160	130	4.5
32	1 1/4	160	140	100	75	3	19	4-18	160	135	5
40	1 1/2	180	150	110	85	3	19	4-18	180	160	6
50	2	210	165	125	100	3	21	4-18	200	165	12
65	2 1/2	250	185	145	120	3	21	4-18	250	200	21
80	3	300	200	160	135	3	22	8-18	280	220	28
100	4	350	220	180	155	3.5	23	8-18	300	275	38
125	5	400	250	210	185	3.5	24	8-18	320	335	60
150	6	460	280	240	210	3.5	26	8-23	350	380	82
200	8	570	340	295	265	4	26	12-23	450	500	123
250	10	680	405	255	320	4	28	12-26	500	575	235
ANSI B150LB											
15	1/2	108	89	60.5	35	3	15	4-14	120	120	3.5
20	3/4	117	98	70	43	3	15	4-14	120	120	4
25	1	127	108	79.5	51	3	15	4-14	160	130	5.5
32	1 1/4	140	117	89	64	3	15	4-15	160	135	8
40	1 1/2	165	127	98.5	73	3	16	4-15	180	160	9
50	2	178	152	120.5	92	3	17	4-19	200	165	12
65	2 1/2	190	178	139.5	105	3	19	4-19	250	200	21
80	3	203	190	152.5	127	3	20	4-19	280	220	28
100	4	229	229	190.5	157	3.5	24	4-19	300	275	38
125	5	254	254	216	186	3.5	25	8-22	320	335	60
150	6	267	279	241.5	216	3.5	27	8-22	350	380	82
200	8	292	343	298.5	270	4	30	8-22	450	500	123
250	10	330	406	362	324	4	32	12-25	500	575	235



法兰连接止回阀(全衬里)

Flange connection check valve(entire lining)

设计与制造符合中国国家标准

Design and manufacture conform to china national standards

基本结构形式: 旋启式、直通升降式

Basic structure form: Turns on lathe opens the type, to go onstop to the elevating

公称压力 Nominal pressure: PN0.6~1.6MPa

公称通径 Nominal size: DN15~500mm

基本型号 Basic model: H41F3 H41F46 H44F3 H44F46

遵循规范 Follow the standard	标准 Standard
设计与制造 Design and manufacture	GB 12235/ GB 2236
结构长度 Structure length	GB 1222(长短系列 Long-Short series)
法兰尺寸 Flange size	JB/T78, JB/T79 (或按合同要求 Or by contract requirements)
压力试验 Pressure test	GB/T 13927
标志 Mark	GB 12220
供货 Availability	GB/T 12252

主要零件材质 Materials of main parts

零件名称 Part name	灰铸铁 Grey cast iron	碳钢 Carbon steel	不锈钢 Stainless steel	超低碳不锈钢 Low carbon stainless steel	
	Z	C	P	R	P _L R _L
阀体/阀盖/阀瓣 Body, cover, disc	HT250	WCB	CF8	CF8M	CF3 CF3M
衬里层 Lining layer	FEP(F46) PFA(可溶性聚四氟乙烯 Soluble PTFE) PCTFE(F3) PC(聚碳酸酯 Polycarbonate)				
销轴 Pin	1Cr13/35 WCB 1Cr18Ni9/CF8 00Cr17Ni14Mo2/CF3M				
隔膜 Diaphragm	35	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9Ti 1Cr18Ni9Ti

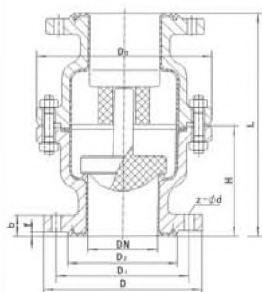
主要连接尺寸 Main connection dimension

公称通径 DN		标准值 Standard valve							参考值 Reference value	
DN mm	NPS inch	L	D	D1	D2	f	b	Z-φd	B	H
PN0.6MPa										
15	1/2	130	80	55	40	3	12	4-φ12	105	55
20	3/4	150	90	65	50	3	14	4-φ12	115	58
25	1	160	100	75	60	3	14	4-φ12	128	60
32	1 1/4	180	120	90	70	3	16	4-φ14	145	75
40	1 1/2	200	130	100	80	3	16	4-φ14	160	82
50	2	230	140	110	90	3	16	4-φ14	178	95
65	2 1/2	290	160	130	110	3.5	16	4-φ14	205	105
80	3	310	185	150	125	3.5	18	4-φ18	230	120
100	4	350	205	170	145	3.5	18	4-φ18	255	135
125	5	400	235	200	175	4	20	8-φ18	305	158
150	6	480	260	225	200	4	20	8-φ18	345	180
200	8	495	315	280	255	4.5	22	8-φ18	415	215
250	10	622	370	335	310	4.5	24	12-φ18	490	240
300	12	698	435	395	362	5	24	12-φ23	540	265
350	14	787	485	445	412	5	26	12-φ23	585	300
400	16	914	535	495	462	5	28	16-φ23	635	360

主要连接尺寸 Main connection dimension

公称通径DN		标准值Standard value							参考值Reference value	
DN mm	NPS inch	L	D	D1	D2	f	b	Z-φd	B	H
PN1.0MPa										
15	1/2	130	95	65	45	3	14	4-φ14	105	55
20	3/4	150	105	75	55	3	16	4-φ14	115	58
25	1	160	115	85	65	3	16	4-φ14	128	60
32	1 1/4	180	135	100	78	3	18	4-φ18	145	75
40	1 1/2	200	145	110	85	3	18	4-φ18	160	82
50	2	230	160	125	100	3	20	4-φ18	178	95
65	2 1/2	290	180	145	120	3.5	20	4-φ18	205	105
80	3	310	195	160	135	3.5	22	8-φ18	230	120
100	4	350	215	180	155	3.5	22	8-φ18	255	135
125	5	400	245	210	185	4	24	8-φ18	305	158
150	6	480	280	240	210	4	24	8-φ23	345	180
200	8	495	335	295	265	4.5	26	8-φ23	415	215
250	10	622	390	350	320	4.5	28	12-φ23	490	240
300	12	698	440	400	368	5	28	12-φ23	540	265
350	14	787	500	460	428	5	30	16-φ23	585	300
400	16	914	565	515	482	5	32	16-φ27	635	360
PN1.6MPa										
15	1/2	130	95	65	45	3	14	4-φ14	110	55
20	3/4	150	105	75	55	3	16	4-φ14	120	58
25	1	160	115	85	65	3	16	4-φ14	135	60
32	1 1/4	180	135	100	78	3	18	4-φ18	150	75
40	1 1/2	200	145	110	85	3	18	4-φ18	165	82
50	2	230	160	125	100	3	20	4-φ18	185	95
65	2 1/2	290	180	145	120	3.5	20	4-φ18	210	105
80	3	310	195	160	135	3.5	22	8-φ18	235	120
100	4	350	215	180	155	3.5	24	8-φ18	260	135
125	5	400	245	210	185	4	26	8-φ18	310	158
150	6	480	280	240	210	4	28	8-φ23	360	180
200	8	495	335	295	266	4.5	30	12-φ23	420	215
250	10	622	405	355	320	4.5	32	12-φ27	505	240
300	12	698	460	410	375	5	34	12-φ27	560	265
350	14	787	520	470	435	5	38	16-φ27	605	300
400	16	914	580	525	485	5	40	16-φ30	650	350

*法兰尺寸 Flange size PN1.0MPa, Dn80螺栓孔数量 bolt hole when the number of JB78时=4, 其它标准时 other standards Z=8.



主要零件材质 Materials of main parts

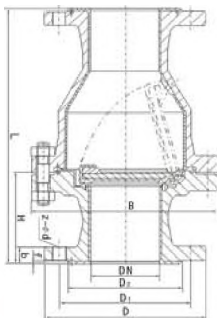
零件名称 Part name	材料 Material
上、下阀体 Upper and lower valve body	铸钢 Cast iron/ 铸钢 Cast steel / 不锈钢 Stainless steel/ 内衬 F46、F3
阀瓣 Disc	铸钢 Cast steel / 不锈钢 Stainless steel/ 衬 F46、F3
垫圈 Gasket	F4

技术标准 Technical Standards

设计和制造 Design and manufacture	GB 12224
结构长度 structure length	GB 12221
法兰尺寸 Flange dimensions	JB/T78-78 GB9113.1-26
压力试验 Pressure test	GB/T13927

主要连接尺寸及重量 Main External And Connection Dimension

公称通径 Nominal Diameter DN	主要尺寸 Main Dimensions							参考值 Reference		重量(kg)
	L	D	D ₁	D ₂	f	b	z-φb	D ₀	H	
PN 0.6MPa										
25	152	100	75	60	3	14	4-φ12	130	76	6
32	152	120	90	70	3	16	4-φ14	140	76	8
40	178	130	100	80	3	16	4-φ14	160	89	10
50	178	140	110	90	3	16	4-φ14	170	89	14
65	190	160	130	110	3	18	4-φ14	200	95	18
80	203	185	150	125	3.5	18	4-φ18	220	101	21
100	267	205	170	145	3.5	20	4-φ18	240	133	40
125	305	234	200	175	3.5	20	8-φ18	280	152	70
150	394	260	225	200	4	20	8-φ18	315	197	90
PN 1.0MPa										
25	152	115	85	65	3	16	4-φ14	130	76	7
32	152	135	100	70	3	18	4-φ18	140	76	9
40	178	145	110	85	3	18	4-φ18	160	89	12
50	178	160	125	100	3	18	4-φ18	170	89	15
65	190	180	145	120	3	20	4-φ18	200	95	20
80	203	195	160	135	3.5	20	4-φ18	220	101	24
100	267	216	180	155	3.5	22	8-φ18	240	133	44
125	305	245	210	185	3.5	24	8-φ18	280	152	75
150	394	280	240	210	4	24	8-φ23	315	197	95



主要零件材质 Materials of main parts

零件名称 Part name	材料 Material
上、下阀体 Upper and lower valve body	铸铁 Cast iron/ 铸钢 Cast steel / 不锈钢 Stainless steel/ 内衬 lining F46, F3
阀瓣 Disc	铸钢 Cast steel/ 不锈钢 Stainless steel/ 衬 lining F46, F3
阀盖 Valve Cover	灰铸铁 Gray Cast iron/ 铸钢 Cast steel / 不锈钢 Stainless steel/ 内衬 lining F46, F3
垫圈 Gasket	F4

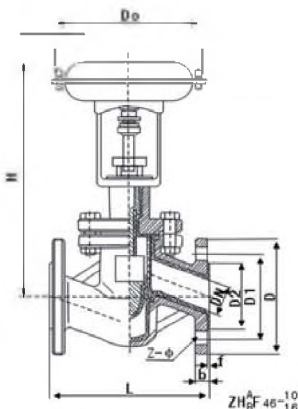
技术标准 Technical Standards

设计和制造 Design and manufacture	GB 12235
结构长度 Structure length	GB 12221
法兰尺寸 Flange dimensions	JB/T79-78 GB9113.1-26
压力试验 Pressure test	GB/T13927

主要连接尺寸及重量 Main External And Connection Dimension

公称通径 Nominal Diameter DN	PN 1.0MPa 主要尺寸 Main Dimensions							参考值 Reference		重量(kg)
	L	D	D ₁	D ₂	f	b	z-φb	B	H	
25	160	115	85	58	3	14	4-φ14	128	70	6
32	180	135	100	69	3	16	4-φ18	140	80	7
40	200	145	110	78	3	16	4-φ18	160	85	8
50	230	160	125	88	3	18	4-φ18	178	90	10
65	290	180	145	108	3	18	4-φ18	205	110	21
80	310	195	160	124	3.5	20	4-φ18	230	130	25
100	350	215	180	144	3.5	20	8-φ18	255	140	30
125	400	245	210	174	3.5	20	8-φ18	305	145	49
150	480	280	240	199	4	22	8-φ23	345	160	68
200	500	335	295	254	4	24	8-φ23	415	180	93
250	550	390	350	309	5	26	12-φ23	490	220	138
300	620	440	400	363	5	30	12-φ23	560	240	180
350	720	500	460	428	5	34	16-φ23	620	240	250

衬氟气动薄膜单座调节阀 ZH_BF46-10^A/₁₆型



概述 Summary

ZH_BF型精小气动单座衬氟调节阀由气动多弹簧薄膜机构和底流阻、直通单座调节机构组成。在与流体接触的内壁、阀芯均包覆一层聚全氟乙丙烯(F46)、可溶性聚四氟乙烯(PFA)等防腐性材料,完全能达到切断腐蚀性介质与阀体外壳的接触。该阀门能耐酸、碱、盐等腐蚀性介质和泄漏量要求严格的工况环境,是理想的化工管路系统中过程自动控制产品。

ZH_BF type small pneumatic single-seat fluorine-butterfly control valve is formed by pneumatic spring film mechanism and bottom flow resistance and single-seat regulating mechanism. Valve inside surface which contact with medium, and valve stem lined with FEP (F46), soluble anti-corrosion materials such as PFA, can avoid the corrosive medium contact with the valve body shell. The valve can be used to acid, alkali, salt and other corrosive medium and leakage strict request environment. It's an ideal automatic control products in chemical piping system.

主要零部件材料 Main Parts And Materials

零件名称 Part Name	精铸球墨铸铁 Precision casting ductile iron	碳钢 Carbon Steel	不锈钢 Stainless Steel			
	QT	C	P	R	PL	RL
阀体、阀盖 Valve Body, Valve Cover	QT400	WCB	CF 8	CF 8M	CF 3	CF 3M
内衬材料 Lining Material	FEP(F46)、PTFE(F4)、PFA(可溶性聚四氟乙烯 Soluble ptef), PO(聚烯烃 Polyolefin)、PE(超高分子量聚乙烯 Ultra-high molecular weight polyethylene)					
阀座 valve seat	WCB/FEP哈氏合金蒙乃尔 Hartz monel alloy					
阀芯 valve core	WCB/FEP哈氏合金蒙乃尔 Hartz monel alloy					
填料 Packing	PTFE(F4)聚四氟乙烯 Teflon					
螺栓 Bolt	35	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9	1Cr18Ni9
螺母 Nut	45	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9

执行机构主要技术参数 Actuator The Main Technical Parameters

型号 Model	ZH _B F-22	ZH _B F-23	ZH _B F-34	ZH _B F-45
膜片有效面积cm ² Diaphragm effective area	350	350	560	900
额定行程mm Rated Travel Itinerary	16	25	40	60
弹簧范围Kpa Spring Scope	20-100 40-200 6-240 20-60 60-100			

技术参数 Technical Parameters

公称通径 (mm) Nominal diameter		20				25	40		50	65	80	100	150	200	
阀座直径 (mm) Seat Diameter		10	12	15	20	25	32	40	50	65	80	100	125	150	200
额定流量系数 (KV)	直线 Straight Line	1.8	2.8	4.4	6.9	11	17.6	27.5	44	69	110	176	275	440	690
	等百分比	1.6	2.5	4	6.3	10	16	25	40	63	100	160	250	400	630
公称压力 (Mpa) Nominal Pressure		0.6、1.0、1.6、2.5 Class 150													
行程 (mm) Walking distance		16				25				40				50	
流量特性 Flow Characteristic		直线、等百分比 straight line/equal percent													
介质温度(℃) Medium temperature		-20° C~180° C (根据内衬料而定 According to inner lining determine)													
连接法兰标准 Connecting Flange Standard		Jn78 G9/19113 Hg20593 ANSI B 16.5a													

性能参数 Performance Parameters

项目 Project	ZH _B -22	ZH _B -23	ZH _B -34	ZH _B -45
基本误差% Basic Error			≤ ±5	
回差% Return Difference			≤ 3	
死区% Dead Zone			≤ 5	
额定流量系数误差 Rated Flow Coefficient Of The Error			≤ ±10% 当when Kv≤6.3时 ±15%	
泄漏量 Leakage			≤ ±0.01阀额定容量 Valve Nominal Capacity	

订货须知 Ordering Instructions

订货时必须注明以下内容:

#产品型号、名称 #公称通径 #公称压力 #额定流量系数和流量特性 #阀体材料 #成套内容 (伺服放大器、操作器、定位器等)

主要连接尺寸及重量 Main External And Connection Dimension

公称通径 Nominal Diameter		主要尺寸 Main Dimensions							
DN(mm)	NPS(inch)	L	D	D1	D2	I	B	Z-d	H
15	1/2	130	95	65	45	3	15	4-14	400
20	3/4	150	105	75	55	3	17	4-14	450
25	1	160	115	85	65	3	17	4-14	460
32	1 1/4	180	140	100	75	3	19	4-18	500
40	1 1/2	200	150	110	85	3	19	4-18	529
50	2	230	165	125	100	3	21	4-18	600
65	2 1/2	290	185	145	120	3.5	21	4-18	625
80	3	310	200	160	135	3.5	21	8-18	825
100	4	350	220	180	155	3.5	26	8-18	850
125	5	400	250	210	185	4	24	8-18	950
150	6	480	285	240	210	4	26	8-23	1050
200	8	600	340	295	265	4.5	26	8-23	1200

主要连接尺寸及重量 Main External And Connection Dimension

公称通径 Nominal Diameter		主要尺寸 Main Dimensions							
		L	D	D1	D2	f	B	Z-d	H
DN mm	NPS inch	PN1.6MPa							
15	1/2	130	95	65	45	3	15	4-14	400
20	3/4	150	105	75	55	3	17	4-14	450
25	1	160	115	85	65	3	17	4-14	460
32	1 1/4	180	140	100	75	3	19	4-18	500
40	1 1/2	200	150	110	85	3	19	4-18	529
50	2	230	165	125	100	3	21	4-18	600
65	2 1/2	290	185	145	120	3.5	21	4-18	625
80	3	310	200	160	135	3.5	22	4-18	825
100	4	350	220	180	155	3.5	23	8-18	850
125	5	400	250	210	185	4	24	8-18	950
150	6	480	285	240	210	4	26	8-23	1050
200	8	600	340	295	265	4.5	26	8-23	1200
		PN2.5MPa							
15	1/2	130	95	65	45	3	15	4-14	400
20	3/4	150	105	75	55	3	17	4-14	450
25	1	160	115	85	65	3	17	4-14	460
32	1 1/4	180	140	100	75	3	19	4-18	500
40	1 1/2	200	150	110	85	3	19	4-18	529
50	2	230	165	125	100	3	21	4-18	600
65	2 1/2	290	185	145	120	3.5	23	8-18	625
80	3	310	200	160	135	3.5	25	8-18	825
100	4	350	235	190	155	3.5	25	8-22	850
125	5	400	270	220	185	4	28	8-26	950
150	6	480	300	250	210	4	30	8-26	1050
200	8	600	360	310	275	4.5	32	12-26	1200
		Class 150							
15	1/2	130	89	60.5	35	3	15	4-15	400
20	3/4	150	98	70	43	3	15	4-15	450
25	1	160	108	79.5	51	3	15	4-15	460
32	1 1/4	180	117	89	64	3	15	4-15	500
40	1 1/2	200	127	98.5	73	3	16	4-15	529
50	2	230	152	120.5	92	3	17	4-19	600
65	2 1/2	290	178	139.5	105	3.5	19	4-19	625
80	3	310	190	152.5	127	3.5	20	4-19	825
100	4	350	229	180.5	157	3.5	24	8-19	850
125	5	400	254	216	186	4	25	8-22	950
150	6	480	279	241.5	216	4	27	8-22	1050
200	8	600	343	298.5	270	4.5	30	8-22	1200

机械标准 (JB78) 时为4孔, 表中尺寸标准为GB/9113.1-2000标准. 订货说明.

衬氟管件系列

Fluorine-butterfly Pipe Fittings Series



技术标准 Technical Standards

设计和制造 Design And Manufacture	HG 20538 DL/T 935-2005
法兰连接尺寸 Flange Connection Size	GB/T9113.1, ANSI B16.5a HG20593 JB/T78
公称压力 Nominal Pressure	0.6、1.0、1.6、2.5MPa Class150
压力试验 Pressure test	GB/T13927 API598
法兰连接尺寸 Flange Connection Size	活套 对焊 Loop / Butt Welding

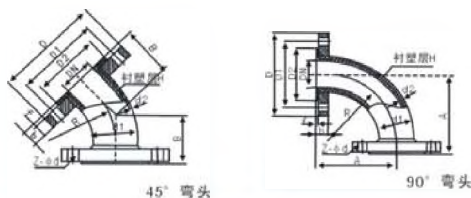
基本种类 Basic Types

衬里直管 Fluorine Straight pipe	衬里异径管 Reducing pipe
衬里三通 Fluorine tee	衬里四通 Four way
衬里弯头 Fluorine Elbow	衬里仪表接头、短接 Instrument joints, short joints
补偿器 Fluorine Compensator	复合软管 Composite hose
PTFE抽料管Pumping tube	温度计管 Thermometer tube

主要零部件材料 Main Parts And Materials

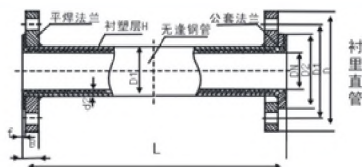
零件名称 Part Name	碳钢 Carbon Steel	不锈钢 Stainless steel			
	C	P	R	PL	RL
钢管 Steel Pipe	碳钢20 Carbon Steel	CF 8	CF 8M	CF 8	CF 3M
法兰 Flange	碳钢 Carbon Steel Q235A / WCB	CF 8	CF 8M	CF 8	CF 3M
内衬材料 Lining Material	FER(F46)、PTFE(F4)、PFA(可溶性聚四氟乙烯)、PE(聚烯烃Polyolefin)、 PE(超高分子量聚乙烯Ultra-high molecular weight polyethylene)聚氟乙烯Polyvinyl fluoride PVC 聚丙烯polypropylene PP				
螺栓 Bolt	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9	1Cr18Ni9
螺母 Nut	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9

弯头 Elbow



公称通径 Nominal Diameter		主要尺寸 Main Dimensions								
DN	inch	D	D1	D2	f	B	Z-d	90°	45°	
		PN1.0MPa							A(mm)	B(mm)
25	1	115	85	65	3	17	4-14	90	50	
32	1 1/4	140	100	75	3	19	4-18	105	50	
40	1 1/2	150	110	85	3	19	4-18	120	60	
50	2	165	125	100	3	21	4-18	130	65	
65	2 1/2	185	145	125	3	21	4-14	140	70	
80	3	200	160	135	3	22	8-18	145	75	
100	4	220	180	155	3	23	8-18	160	80	
125	5	250	210	185	4	24	8-18	200	100	
150	6	285	240	210	4	26	8-23	235	120	
200	8	340	295	265	4.5	26	8-23	315	160	
250	10	395	350	320	4.5	28	12-23	390	190	
300	12	340	295	265	4.5	28	12-23	465	230	

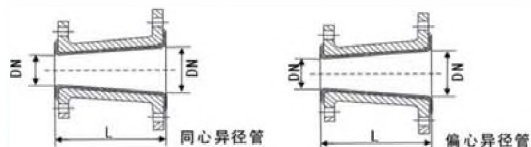
直管 Straight Pipe



公称通径 Nominal Diameter		主要尺寸 Main Dimensions							衬里厚度H							长度 Length
DN(mm)	inch	D	D1	D2	f	B	Z-d	衬里尺寸 Sleeve Pipe Size 外径d1 壁厚t1	F4 衬里力能 抗外压	F4 填充 液衬垫	F46	PE	PO	PP	PFA	L(mm)
25	1	115	85	65	3	17	4-14	32 3	2	3	3		3	3	3	100-2000
32	1 1/4	140	100	75	3	19	4-18	38 3	2	3	3		3	3	3	
40	1 1/2	150	110	85	3	19	4-18	48 3	2	3	3		3	3	3	
50	2	165	125	100	3	21	4-18	57 3.5	2.5	4	3		3.5	3.5	3	150-2000
65	2 1/2	185	145	125	3	21	4-14	76 4	2.5	4	3		3.5	3.5	3	
80	3	200	160	135	3	22	8-18	89 4	2.5	4	3		3.5	3.5	3	
100	4	220	180	155	3	23	8-18	108 4	3	4.5	3		4	3.5	3	200-2000
125	5	250	210	185	4	24	8-18	133 4	3.5	5	4		4	4	4	
150	6	285	240	210	4	26	8-23	159 4.5	4	5	4		5	4	4	
200	8	340	295	265	4.5	26	8-23	219 6	4.5	6	4.5		5	4.5	4.5	
250	10	395	350	320	4.5	28	12-23	273 8	5	6	4.5		5	4.5	4.5	
300	12	340	295	265	4.5	28	12-23	325 8	3	8	4.5		5	4.5	4.5	

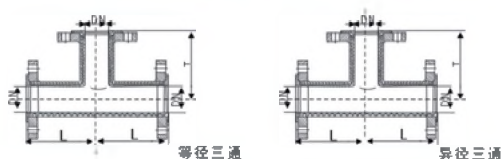
机械标准 (JB78) 时为4孔, 表中尺寸标准为GB/8113.1-2000标准。

异径管 Reducing Pipe

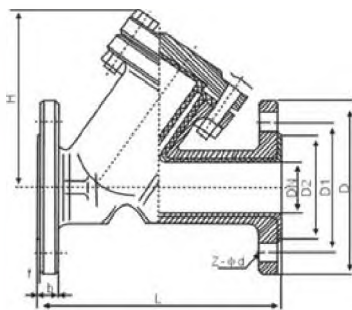


公称通径 Nominal Diameter	结构长度 Structure Length	公称通径 Nominal Diameter	结构长度 Structure Length	公称通径 Nominal Diameter	结构长度 Structure Length
mm/mm	L(mm)	mm/mm	L(mm)	mm/mm	L(mm)
32X25	100	80X50	100	150X125	150
40X25		80X65		200X100	175
40X32		100X50		200X125	
50X25		100X65		200X150	
50X32		100X80	150	250X125	200
50X40		125X65		250X150	
65X32		125X80		250X200	
65X40		125X100		300X150	235
65X50		150X80		300X200	
80X40		150X100		300X250	

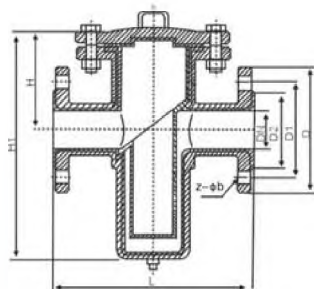
三通 Tee



公称通径 Nominal Diameter	结构长度 Structure Length			公称通径 Nominal Diameter	结构长度 Structure Length			公称通径 Nominal Diameter	结构长度 Structure Length		
mm	L (mm)	T (mm)	T1 (mm)	mm	L (mm)	T (mm)	T1 (mm)	mm	L (mm)	T (mm)	T1 (mm)
25X25X25	85	85	85	80X80X65	135	135	135	150X150X125	200	200	160
32X32X32	100	100	100	80X80X50				150X150X85			
32X32X25				80X80X40				150X150X100			
40X40X40				80X80X32				150X150X80			
40X40X25	105	105	105	100X100X100	150	150	135	200X200X200	230	230	190
40X40X32				100X100X80				200X200X150			
50X50X50				100X100X65				200X200X125			
50X50X25				100X100X50				200X200X100			
50X50X32	115	115	115	100X100X40	180	180	145	250X250X250	250	250	218
50X50X40				125X125X125				250X250X200			
65X65X65				125X125X100				250X250X150			
65X65X25				125X125X80				250X250X125			
65X65X32	125	125	125	125X125X65	200	200	200	300X300X300	295	285	242
65X65X40				125X125X50				300X300X250			
65X65X50				125X125X40				300X300X200			
80X80X50				150X150X150				300X300X150			



Y型过滤器



篮式过滤器

设计和制造 Design And Manufacture

技术标准 Technical Standards	
法兰尺寸 Flange Dimensions	GB/T9113.1-2000 ASME 16.5a
工程压力试验 Engineering Stress Test	0.6、1.0、1.6、2.5MPa Class150
压力试验 Pressure test	GB/T13927-92API598
型号 Model	Y型、篮式 Y type, Basket type

主要零部件材料 Main Parts And Materials

序号 No	零件名称 Part Name	精铸球墨铸铁 Precision Casting Ductile Iron	碳钢 Carbon Steel	不锈钢 Stainless Steel			
		QT	C	P	R	pL	RL
1	阀体、阀盖 Valve Body, Valve Cover	QT400	WCB	CF8	CF8M	CF3	CF3M
2	内衬材料 Lining Material	FEP(F46)、PTFE(F4)、PFA(可溶性聚四氟乙烯 Soluble pife)、 PO(聚烯烃 Polyolefin)、PE(超高分子量聚乙烯 Ultra-high molecular weight polyethylene)					
3	过滤网 Strainer	PTFE (F4)					
4	螺栓 Bolt	35	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9	1Cr18Ni9
5	螺母 Nut	45	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9

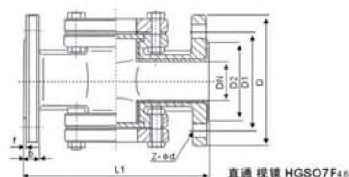
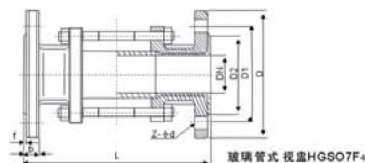
主要连接尺寸及重量 Main External And Connection Dimension

公称直径 Nominal Diameter		主要尺寸 Main Dimensions								参考值 Reference		
DN mm	NPS Inch	L	L1	D	D1	D2	I	B	Z-d	H	H1	重量(kg)
PN1.0MPa												
15	1/2	140	160	95	65	45	3	15	4-14	70	150	3
20	3/4	150	170	105	75	55	3	17	4-14	70	160	4
25	1	160	180	115	85	65	3	17	4-14	80	160	4.5
32	1 1/4	180	200	140	100	75	3	19	4-18	85	160	6.5
40	1 1/2	200	260	150	110	85	3	19	4-18	90	170	7.5
50	2	230	280	165	125	100	3	21	4-18	110	170	10
65	2 1/2	290	330	185	145	120	3.5	21	4-18	115	210	17
80	3	310	340	200	160	135	3.5	21	8-18	135	250	23
100	4	350	400	220	180	155	3.5	23	8-18	155	300	35
125	5	400	480	250	210	185	4	24	8-18	250	350	40
150	6	480	500	285	240	210	4	26	8-23	285	400	55
200	8	600	560	340	295	265	4.5	26	8-23	360	450	90
PN1.6MPa												
15	1/2	130	160	95	65	45	3	15	4-14	70	150	3
20	3/4	150	170	105	75	55	3	17	4-14	70	160	4
25	1	160	180	115	85	65	3	17	4-14	80	160	4.5
32	1 1/4	180	200	140	100	75	3	19	4-18	85	160	6.5
40	1 1/2	200	260	150	110	85	3	19	4-18	90	170	7.5
50	2	230	280	165	125	100	3	21	4-18	110	170	10
65	2 1/2	290	330	185	145	120	3.5	21	4-18	115	210	17
80	3	310	340	200	160	135	3.5	22	8-18	135	250	23
100	4	350	400	220	180	155	3.5	23	8-18	155	300	35
125	5	400	480	250	210	185	4	24	8-18	250	350	40
150	6	480	500	285	240	210	4	26	8-23	285	400	55
200	8	600	560	340	295	265	4.5	26	12-23	360	450	90

机械标准(JB78)时为4孔,表中尺寸标准为GB/9113.1-2000标准、订货说明。

主要连接尺寸及重量 Main External And Connection Dimension

公称通径 Nominal Diameter		主要尺寸 Main Dimensions								参考值 Reference		
DN mm	NPS inch	L	L1	D	D1	D2	I	B	Z-d	H	H1	重量(kg)
PN2.5MPa												
15	1/2	140	160	95	65	45	3	15	4-14	70	150	3
20	3/4	150	170	105	75	55	3	17	4-14	70	160	4
25	1	160	180	115	85	65	3	17	4-14	80	160	4.5
32	1 1/4	180	200	140	100	75	3	19	4-18	85	160	6.5
40	1 1/2	200	260	150	110	85	3	19	4-18	90	170	7.5
50	2	230	260	165	125	100	3	21	4-18	110	170	10
65	2 1/2	290	330	185	145	120	3.5	23	8-18	115	210	17
80	3	310	340	200	160	135	3.5	25	8-18	135	250	23
100	4	350	400	235	190	155	3.5	25	8-22	155	300	35
125	5	400	480	270	220	185	4	28	8-26	250	350	40
150	6	480	500	300	250	210	4	30	8-26	285	400	55
200	8	600	560	360	310	275	4.5	32	12-26	360	450	90
Class150												
15	1/2	130	160	89	60.5	35	3	15	4-15	70	150	3
20	3/4	150	170	98	70	43	3	15	4-15	70	160	4
25	1	160	180	108	79.5	51	3	15	4-15	80	160	4.5
32	1 1/4	180	200	117	89	64	3	15	4-15	85	160	6.5
40	1 1/2	200	260	127	98.5	73	3	16	4-15	90	170	7.5
50	2	230	260	152	120.5	92	3	17	4-19	110	170	10
65	2 1/2	290	330	178	139.5	105	3.5	19	4-19	115	210	17
80	3	310	340	190	152.5	127	3.5	20	4-19	135	250	23
100	4	350	400	229	190.5	157	3.5	24	8-19	155	300	35
125	5	400	480	254	216	186	4	25	8-22	250	350	40
150	6	480	500	279	241.5	216	4	27	8-22	285	400	55
200	8	600	560	343	298.5	270	4.5	30	8-22	360	450	90



技术标准 Technical Standards	
法兰连接尺寸 Flange Connection Size	GB/T9113.1-2000 ASME 16.5a
公称压力 Nominal Pressure	0.6、1.0、1.6、2.5MPa Class150
适用压力 Suitable Pressure	PN≤2.5MPa, 工作压力≤1.0MPa, 工作温度视衬里材料

基本型号 Basic Model	
HGSO7F4-126 管式Tube type	HGSO7F46-126 管式Tube type
HGSO7F4-101 直通pass-through	HGSO7F46-101 直通pass-through
HGSO7F4-115 三通tee	HGSO7F46-115 三通tee

主要零部件材料 Main Parts And Materials

零件名称 Part Name	碳钢 Carbon Steel		不锈钢 Stainless Steel		
	C	P	R	PL	RL
壳体 Shell	WCB	CF8	CF8M	CF3	CF3M
玻璃 Glass	硼硅玻璃 钢化玻璃 石英玻璃 Borosilicate glass/ tempered glass/ quartz glass				
内衬材料 Lining Material	FEP(F46)、PTFE(F4)、PFA(可溶性聚四氟乙烯 Soluble ptfe)、 PO(聚烯烃 Polyolefin)、PE(超高分子量聚乙烯 Ultra-high molecular weight polyethylene)				
垫片 Gasket	PTFE(聚四氟乙烯 Teflon)				
螺栓 Bolt	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9	1Cr18Ni9
螺母 Nut	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9

Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
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Оренбург (3532)37-68-04
Пенза (8412)22-31-16

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Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
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主要连接尺寸及重量 Main External And Connection Dimension

公称通径 Nominal Diameter		主要尺寸 Main Dimensions														
		L	L1	D	D1	D2	I	8	Z-d	D	D1	D2	I	8	Z-d	H
DN mm	NPS inch	PN0.MPa								PN1.0MPa						
15	1/2	200	200	80	55	40	3	14	4-12	95	65	45	3	15	4-14	160
20	3/4	200	200	90	65	50	3	16	4-12	105	75	55	3	17	4-14	160
25	1	250	230	100	75	60	3	16	4-12	115	85	65	3	17	4-14	200
32	1 1/4	250	230	120	90	70	3	17	4-14	140	100	75	3	19	4-18	200
40	1 1/2	250	230	130	100	80	3	17	4-14	150	110	85	3	19	4-18	200
50	2	250	230	140	110	90	3	17	4-14	165	125	100	3	21	4-18	200
65	2 1/2	250	240	160	130	110	3.5	17	4-14	185	145	120	3.5	23	8-18	220
80	3	250	240	190	150	125	3.5	19	4-18	200	160	135	3.5	25	8-18	220
100	4	250	240	210	170	145	3.5	20	4-18	220	190	155	3.5	26	8-22	220
125	5	300	250	240	200	175	4	20	8-18	250	220	185	4	28	8-26	240
150	6	300	300	265	225	200	4	22	8-18	265	250	210	4	30	8-26	300
200	8	300	350	320	280	255	4.5	24	8-18	340	310	275	4.5	32	12-26	300
PN1.6MPa								Class 150								
15	1/2	200	200	95	65	45	3	15	4-14	89	60.5	35	3	15	4-15	160
20	3/4	200	200	105	75	55	3	17	4-14	98	70	43	3	15	4-15	160
25	1	250	230	115	85	65	3	17	4-14	108	79.5	51	3	15	4-15	200
32	1 1/4	250	230	140	100	75	3	19	4-18	117	89	64	3	15	4-15	200
40	1 1/2	250	230	150	110	85	3	19	4-18	127	98.5	73	3	16	4-15	200
50	2	250	230	165	125	100	3	21	4-18	152	120.5	92	3	17	4-19	200
65	2 1/2	250	240	185	145	120	3.5	21	4-18	178	139.5	105	3.5	19	4-19	220
80	3	250	240	200	160	135	3.5	22	8-18	190	152.5	127	3.5	20	4-19	220
100	4	250	240	220	180	155	3.5	23	8-18	229	190.5	157	3.5	24	8-19	220
125	5	300	250	250	210	185	4	24	8-18	254	216	186	4	25	8-22	240
150	6	300	300	285	240	210	4	26	8-23	279	241.5	216	4	27	8-22	300
200	8	300	300	340	295	265	4.5	26	12-23	343	298.5	270	4.5	30	8-22	300

机械标准 (JB78) 时为4L表中尺寸标准为GB/9113.1-2000标准。