



博雷(天津)控制系统制造有限公司
BOLLEY(TIANJIN)CONTROL SYSTEM MANUFACTURING CO., LTD.

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博雷(天津)控制系统制造有限公司
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GENERAL VALVE SELECTION
SAMPLE
通用阀门选型样本

COMPANY PROFILE

公司简介



博雷(天津)控制系统制造有限公司是一家集工程、阀门生产于一体的企业,引进美国先进阀门制造技术,为客户提供专业的过程自动化及控制设备等解决方案。一直以来稳步发展,经过多年的积累,博雷控制已经进入了国际化公司的行列。

公司主导产品有闸阀、截止阀、蝶阀、球阀、止回阀、调节阀、减压阀、隔膜阀、旋塞阀、柱塞阀、疏水阀、电站阀、美标阀、水力控制阀等80多种品种、300多个系列、几千种规格。产品采用GB、JB、HG、API、ANSI、DIN、JIS、BS等国内外先进标准设计制造。口径从1/4"至96" (DN6-2400mm)、压力从150LB至2500LB (2MPa-42MPa)、工作温度为-196℃至800℃。主要材料有灰铸铁、球墨铸铁、铜、碳素钢、不锈钢、合金钢、低温钢、铬钼钢、沉淀硬化钢及其他特殊钢材。

我们以卓越的品质和服务取得了全球数以万计的用户的信赖及支持,所涉及的行业包括化工、石化、电力、环境、生物科技、燃气、染料、制药、供热、造纸、建筑食品、有色金属、钢铁以及其他工业领域。

我们重视客户提出的每一个要求,并按照客户提出的要求量身定做,力求为客户提供最好的解决方案,同时也能优化产品性能,客户感到满意与他们保持紧密的合作关系。我们坚持这样做并取得了成功,这是我们发展的动力。自从博雷控制诞生的那一刻起,我们力求每一个环节都做到精益求精,所以我们的质保系统渗透到每一个工序,确保每个员工用到的是最好的零配件,这是我们发展的根本。

为了确保产品质量和满足顾客的要求,我们坚持不断深化内部管理,努力提升全员质量意识,扩大全球营销团队,为国内外客户提供更方便快捷的服务。

Bolley (Tianjin) Control System Manufacturing Co., Ltd. is a collection of engineering control system, valve production in a body's enterprise, introducing the advanced valve manufacturing technology, providing customers with professional solutions for process automation and control equipment, etc. Has been a steady development, after many years of accumulation, Bolley Control has entered the international company.

Company main products are gate valve, globe valve, butterfly valve, ball valve, check valve, regulating valve, relief valve, diaphragm valve, plug valve, plunger valve, steam trap, power station valve, american standard valve, hydraulic control valves, and more than 80 varieties, more than 300 series, thousands of specifications. Product by GB, JB, HG, API, ANSI, DIN, JIS, BS, and domestic and foreign advanced standards. Size from 1/4" to 96" (DN6-2400mm), pressure from 150LB to 2500LB (2MPa - 42MPa), the working temperature to -196℃ to 800℃. The main materials are gray cast iron, nodular cast iron, copper, carbon steel, stainless steel, alloy steel, low temperature steel, chrome molybdenum steel, precipitation hardened steel and other special steel.

With our excellent quality and service has made the world tens of thousands of users trust and support, involved in industries including chemical, petrochemical, electric power, environmental, biological technology, gas, dyestuff, pharmaceutical, heating, papermaking, food, non-ferrous metals, steel and other industrial fields.

We attach importance to the customer request of each, and customized according to customer demand, makes every effort to provide customers with the best solution, but also can optimize product performance, customer satisfaction and their close relations of cooperation. We insist on doing this and has been a success, this is our development power. Since the birth of Bolley control that moment, we strive to do every link strives for perfection, so our quality assurance system to infiltrate every working procedure, to ensure that each employee use is one of the best parts, it is fundamental to our development.

In order to ensure product quality and meet the requirements of customers, we continuously deepen the internal management, efforts to enhance the quality consciousness, expand the global marketing team, to provide more convenient service to customers from home and abroad.

PRODUCTION WORKSHOP

生产车间



 博雷控制
BOLLEY Control



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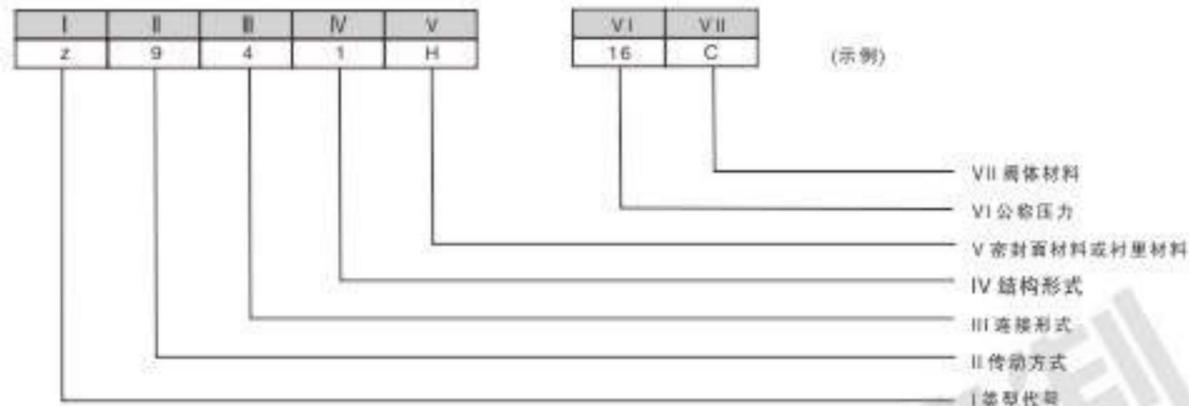
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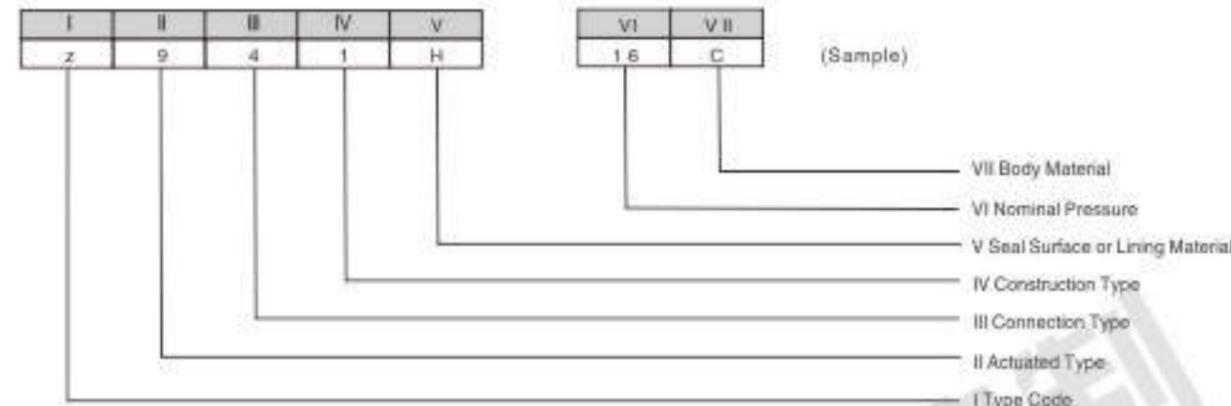
代号	0	1	2	3	4	5	6	7	8	9	
II-传动方式	电磁动	电磁-液动	电-液动	蜗轮	正齿轮	行星轮	气动	液动	气液动	电动	
III-连接形式	-	内螺纹	外螺纹	-	法兰	-	焊接	对夹	卡箍	卡套	
I-类型代号	IV-结构形式										
闸阀	Z	明杆				暗杆				-	
		模式		平行式		模式		平行式			
截止阀	J	-	直通式	Z型式	三通式	角式	直通式	平衡	-	-	
节流阀	L	-	直通式	Z型式	三通式	角式	直通式	平衡	-	-	
柱塞阀	U	-	直通式	Z型式	三通式	角式	直通式	平衡	-	-	
球阀	Q	半通直通	浮动式				固定式				
			直通式	三通式Y形	-	三通式	四通式	直通式	三通式		
蝶阀	D	非密封型 二偏心	密封型				非密封型				
			中线式	单偏心	双偏心	连杆机构	三偏心	中线式	单偏心	双偏心	连杆机构
隔膜阀	G	-	堰槽式	截止式	-	直通式	直通式	-	角式Y形	-	
旋塞阀	X	-	填料密封				液密封				
			直通式	T形三通式	四通式	-	直通式	T形三通式	-	-	-
止回阀	H	-	直通式	升降式 立式	角式	单瓣式	双瓣式	多瓣式	回转蝶形	截止止回	
减压阀	Y	-	薄膜式	弹簧 薄膜式	活塞式	波纹管式	杠杆式	-	-	-	
疏水阀	S	-	浮球式	-	浮桶式	高核式	钟形 浮子式	膜盒式	双金属 片式	脉冲式	热动力式

V-阀座密封面 或衬里材料	代号	V-阀座材料	代号
巴氏合金	B	尼龙塑料	N
搪瓷	C	渗碳钢	P
渗氮钢	D	衬铅	Q
氟塑料	F	Mo2Ti系不锈钢	R
陶瓷	G	塑料	S
Cr13系不锈钢	H	铜合金	T
衬胶	J	橡胶	X
蒙乃尔合金	M	硬铝合金	Y

注: 1. 由阀门直接加工的阀座密封面材料代号用“W”表示;
2. 除隔膜阀外,当密封材料不同时用低硬度材料代号表示。

VII-阀体材料	代号	VII-阀体材料	代号
钛及钛合金	A	球墨铸铁	Q
碳钢	C	Mo2Ti系不锈钢	R
Cr13系不锈钢	H	塑料	S
铬钼钢	I	铜及铜合金	T
可锻铸铁	K	铬钼钒钢	V
铝合金	L	灰铸铁	Z
18-8系不锈钢	P	-	-

注: 1. PN<1.6MPa的灰铸铁阀体和PN>2.5MPa的碳钢阀体材料可省略本代号;
2. CF3, CF8, CF3M, CF8M等材料牌号可直接标注在阀体上。



Code	0	1	2	3	4	5	6	7	8	9	
II-Actuated Type	Electromagnetic	Electro-hydraulic	Electro-hydraulic	Gear	Spur gear	Angle gear	Pneumatic	Hydraulic	Pneumatic-hydraulic	Electrical	
III-Connection	-	Inside screw	Outside screw	-	Flange	-	Welding	Wafer	Union ring	Compression joint	
I-Type Code	IV-Construction Type										
Gate Valve	Z	Rising stem				Non-rising stem				-	
		Wedge type		Parallel type		Wedge type		Parallel type			
Globe Valve	J	Flexible	Rigid disc				Rigid disc				
			Single	Double	Single	Double	Single	Double	Single	Double	
Throttle Valve	L	-	Through way	Z-Type	Tee	Angled	Straight flow	Balance type	-	-	
Piston Valves	U	Half-ball through way	Floating type				Trunnion-mounted				
			Through way	Y-Pattern Tee	-	Tee	Four-way through way	through way	Tee	L-Pattern	T-Pattern
Butterfly Valve	D	Non-seal bi-eccentric	Seal type				Non-seal type				
			Centerline-type	Single-eccentric	Bi-eccentric	Link mechanism	Tri-eccentric	Centerline-type	Bi-eccentric	Link mechanism	Tri-eccentric
Diaphragm Valve	G	-	Weir-type	-	Globetype	-	Y-pattern	Through way type	-	Y-pattern angle type	
Plug Valve	X	-	Packing seal				Lubricate seal				
			Through way type	T-pattern Tee	Four-way type	-	Through way type	Tee T-type	-	-	
Check Valve	H	-	Th.way	Lift type Vertical type	Angle type	Single-plate	Swing-type Double disc	Multi-disc	Rotary type butterfly	Globe check	
Reducing Valve	Y	-	Diaphragm	Spring diaphragm	Piston	Belows	Lever	-	-	-	
Trap Valve	S	-	Ball float	-	Open basket	Expansion	Inverted bucket type	Membrane-box	Bimetal elements	Plug	Hot-motive force

V-seat seal surface or lining material	Code	V-seat seal surface or lining material	Code
Babbit metal	B	Nylon plastic	N
Enamel	C	Boronizing steel	P
Nitrided steel	D	Lead Lining	Q
Fluoroplastics	F	Mo2Ti series SS	R
Ceramic metal	G	Plastic	S
Cr13 series SS	H	Copper alloy	T
Rubber lined	J	Rubber	X
Monel metal	M	Stellite	Y

Remark: 1. Code W is express material of seal surface that direct machining from body.
2. Except diaphragm valve, it mark with low hardness material code when seal surface material is different.

VII-Body material	Code	VII-Body material	Code
Titanium & titanium alloy	A	Nodular cast iron	Q
Carbon steel	C	Spheroidal cast iron	R
Cr13 series SS	H	Mo2Ti series SS	S
Cr-Mo steel	I	Plastic	T
Malleable Iron	K	Cr-Mo-V steel	V
Aluminum alloy	L	Gray cast iron	Z
18-8 series SS	P	-	-

Remark: 1. Omit the code if body materials gray cast iron body when PN<1.6MPa and is carbon steel body when PN>2.5MPa.
2. CF3, CF8, CF3M, CF8M etc material code can direct mark on body.



闸阀系列
Gate Valve Series

□ 产品结构特征

系列铸钢闸阀适用于公称压力PN1.6-42.0MPa(CL150-CL2500), 工作温度-46-600℃的石油、化工、火力电站等各种工况的管路上, 切断或接通管路介质。

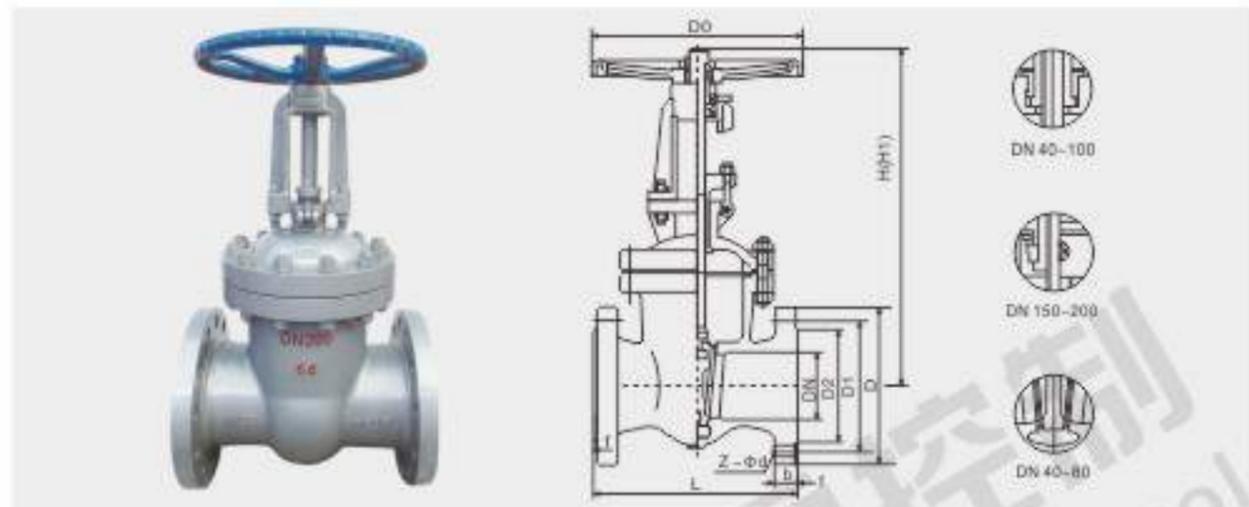
其主要结构特点有:

- 1、产品结构合理、密封可靠、性能优良、造型美观。
- 2、密封面堆焊Co基硬质合金, 耐磨、耐蚀、抗擦伤性能好、使用寿命长。
- 3、阀杆经调质及表面氮化处理, 有良好的抗腐蚀性及抗擦伤性。
- 4、阀门设有倒密封结构, 密封可靠。
- 5、零件材质及法兰、对焊端尺寸可根据实际工况或用户要求合理选配, 满足各种工程需要。

□ PRODUCTS DESIGN FEATURES

Series of cast steel gate valve are used to cut or connect the pipe media under nominal pressure between PN1.6-42.0MPa (CL150-CL2500), working temperatures between -46-600℃. in oil industry, chemical industry, fossil-fired power plants. The main structure features include:

1. sensible products structure, reliable sealing. Excellent performance and good looking.
2. Co hard alloy welded sealing surface, which is wearing resistant, erosion proof, abrasion proof and long-lived.
3. The surface and the adjusting media of the valve shaft are nitrogenized so that it is erosion and abrasion resistant.
4. There is no backward sealing structure in the valve, so the sealing is reliable.
5. The material of the filling and the flange size can be chosen and matched according to the applications and the requirements of the use's. That can satisfies all kinds of working requirements.


产品执行标准 Production Enforce Standard

产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange end	试验与检验 Test & check	压力-温度 Pressure-temp
	GB/T 12234	GB/T 12221	JB/T 79	GB/T 13927	GB/T 12224

产品性能规范 Chief Property And Specification

公称压力PN(MPa) Nominal Pressure	壳体 Shell	试验压力(MPa) Test pressure		上密封 Back seat	壳体材料 Shell material	适用介质 Applicable medium	适用温度℃ Applicable temperature
		密封(液) Seal	密封(气) Seal				
1.6	2.4	1.8	0.6	1.8	碳素钢(C型) Carburizing steel (C type)	水、蒸汽、油品 Water, steam, oil goods	≤425
2.5	3.8	2.8	0.6	2.8	铬镍钛钢(P型) Cr, Ni, steel (P type)	硝酸类 Nitric acid	≤200
4.0	6.0	4.4	0.6	4.4	铬镍钼钛钢(R型) Cr, Ni, Mo, Ti steel (R type)	醋酸类 Acetic acid	≤200
6.4	9.6	7.0	0.6	7.0	铬钼钢(I型) Cr, Mo steel (I type)	水、蒸汽、油品 Water, steam, oil goods	≤550
10.0	15.0	11.0	0.6	11.0			
16.0	24.0	18.0	0.6	18.0			

主要零件材料 Main Part Material

阀体、阀盖 Body bonnet	闸板、闸座 Wedge disc, seat ring	阀杆 Stem	阀杆螺母 Yoke nut	填料 Packing	手轮 Hand wheel
碳素钢 Carburizing steel	优质碳钢+硬质合金或不锈钢 High-grade carbon steel+carbide alloy or stainless steel	铬不锈钢 Cr. stainless steel	铜合金 Copper alloy	石墨石棉盘根 Graphite asbestos coils	可锻铸铁 Foraeable cast-iron
铬镍钛钢 Cr, Ni, steel	不锈钢、不锈钢+硬质合金 Stainless steel or+carbide alloy	铬镍钛不锈钢 Cr, Ni, Ti stainless steel	铜合金 Copper alloy	浸聚四氟乙烯 Dipping polytetrafluoroethylene	可锻铸铁 Foraeable cast-iron
铬镍钼钛钢 Cr, Ni, Mo, Ti steel	不锈钢、不锈钢+硬质合金 Stainless steel or+carbide alloy	铬镍钼钛不锈钢 Cr, Ni, Ti stainless steel	铜合金 Copper alloy	石棉盘根 Asbestos coil	可锻铸铁 Foraeable cast-iron
铬钼钢 Cr, Mo steel	合金钢+硬质合金 Alloy steel+carbide alloy	铬钼钼钢 Cr, Mo Al steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	可锻铸铁 Foraeable cast-iron

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

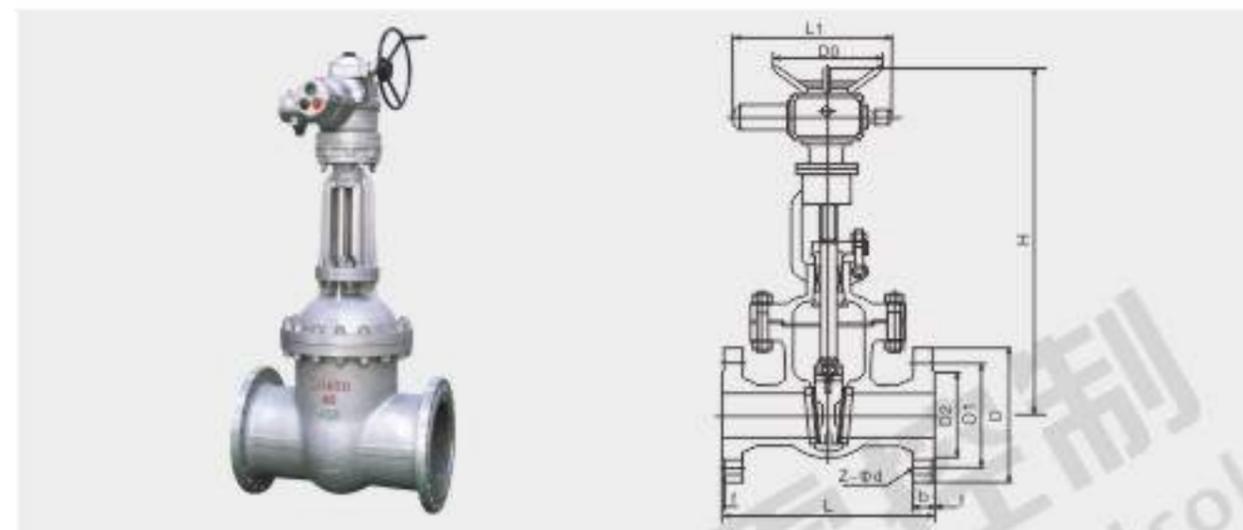
公称口径 DN	L	D	D1	D2	b	f	Z-φd	H	H1	Do	WT (Kg)
	Z40H Z41Y-16C	Z40 Z41Y-16P	Z40 Z41Y-16R	Z40 Z41W-16P	Z40 Z41W-16R	Z40 Z41Y-16I	(KZ41Y)				
40	200	145	110	85	16	3	4-18	300	352	200	18
50	250	160	125	100	16	3	4-18	358	438	240	29
65	265	180	145	120	18	3	4-18	375	450	240	33
80	280	195	160	135	20	3	8-18	433	528	280	46
100	300	215	180	155	20	3	8-18	502	620	320	63
125	325	245	210	185	22	3	8-18	612	753	360	108
150	350	280	240	210	24	3	8-23	676	847	360	134
200	400	335	295	265	26	3	12-23	820	1039	400	192
250	450	405	355	320	30	3	12-25	969	1245	450	273
300	500	460	410	375	30	3	12-25	1142	1472	560	379
350	550	520	470	435	34	4	16-25	1280	1450	640	590
400	600	580	525	485	36	4	16-30	1452	1887	640	850
450	650	640	585	545	40	4	20-30	1541	2011	720	907
500	700	705	650	606	44	4	20-34	1676	2181	720	958
600	800	840	770	718	48	5	20-41	1874	2346	800	1112
	Z40H Z41Y-25C	Z40 Z41Y-25P	Z40 Z41Y-25R	Z40 Z41W-25P	Z40 Z41W-25R	Z40 Z41Y-25I	(KZ41Y)				
40	200	145	110	85	18	3	4-18	300	352	200	18
50	250	160	125	100	20	3	4-18	358	438	240	28
65	265	180	145	120	22	3	8-18	375	450	240	33
80	280	195	160	135	22	3	8-18	433	528	280	46
100	300	230	190	160	24	3	8-23	502	620	320	64
125	325	270	220	188	26	3	8-25	612	753	360	116
150	350	300	250	218	30	3	8-25	676	847	360	141
200	400	360	310	278	34	3	12-25	820	1039	400	213
250	450	425	370	332	36	3	12-30	969	1245	450	290
300	500	485	430	390	40	4	16-30	1142	1472	560	400
350	550	550	490	448	44	4	16-34	1280	1450	640	631
400	600	610	550	505	48	4	16-34	1452	1887	640	900
450	650	660	600	555	50	4	20-34	1541	2011	720	1013
500	700	730	660	610	52	4	20-41	1676	2181	720	1166
600	800	840	770	718	56	5	20-41	1874	2346	800	1258

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	L	D	D ₁	D ₂	D ₆	b	f	f ₂	Z-Φd	H	H ₁	D ₀	WT (Kg)
Z_{40H} Z_{41Y}-40C Z_{40Y} Z₄₁-40P Z_{40Y} Z₄₁-40R Z_{40W} Z₄₁-40P Z_{40W} Z₄₁-40R Z_{40Y} Z₄₁-40 (KZ41Y)													
40	200	145	110	85	76	18	3	4	4-18	323	369	200	16.5
50	250	160	125	100	88	20	3	4	4-18	372	440	280	29
65	265	180	145	120	110	22	3	4	8-18	395	473	280	39
80	280	195	160	135	121	22	3	4	8-18	457	552	320	52
100	300	230	190	160	150	24	3	4.5	8-23	552	671	360	80
125	325	270	220	188	176	28	3	4.5	8-25	634	726	400	127
150	350	300	250	218	204	30	3	4.5	8-25	708	883	400	154
200	400	375	320	282	260	38	3	4.5	12-30	858	1086	450	263
250	450	445	385	345	313	42	3	4.5	12-34	1015	1298	560	368
300	500	510	450	408	364	46	4	4.5	16-34	1203	1535	640	547
350	550	570	510	465	422	52	4	5	16-34	1341	1678	640	679
400	600	655	585	535	474	58	4	5	16-41	1492	1903	720	953
Z_{40H} Z_{41Y}-64C Z_{40Y} Z₄₁-64P Z_{40Y} Z₄₁-64R Z_{40W} Z₄₁-64P Z_{40W} Z₄₁-64R Z_{40Y} Z₄₁-64 (KZ41Y)													
40	240	165	125	95	76	24	3	4	4-23	360	389	240	29
50	250	175	135	105	88	26	3	4	4-23	372	448	280	34
65	280	200	160	130	110	28	3	4	8-23	395	475	280	43
80	310	210	170	140	121	30	3	4	8-23	458	553	320	60
100	350	250	200	168	150	32	3	4.5	8-25	553	679	360	89
125	400	295	240	202	176	36	3	4.5	8-30	638	779	400	140
150	450	340	280	240	204	38	3	4.5	8-34	718	893	450	207
200	550	405	345	300	260	44	3	4.5	12-34	873	1100	560	325
250	650	470	400	352	313	48	3	4.5	12-41	1053	1332	640	467
300	750	530	460	412	364	54	4	4.5	16-41	1203	1535	640	590
Z_{40H} Z_{41Y}-100C Z_{40Y} Z₄₁-100P Z_{40Y} Z₄₁-100R Z_{40W} Z₄₁-100P Z_{40W} Z₄₁-100R Z_{40Y} Z₄₁-100 (KZ41Y)													
40	240	165	125	95	75	26	3	4	4-23	360	389	280	51
50	250	195	145	112	85	28	3	4	4-25	490	558	360	60
65	280	220	170	138	110	32	3	4	8-25	540	622	400	70
80	310	230	180	148	115	34	3	4	8-25	573	671	400	89
100	350	265	210	172	145	38	3	4.5	8-30	575	671	400	130
125	400	310	250	210	175	42	3	4.5	8-34	744	892	560	223
150	450	350	290	250	205	46	3	4.5	12-34	800	972	560	295
200	550	430	360	312	265	54	3	4.5	12-41	800	972	560	559
250	650	500	430	382	320	60	3	4.5	12-41	1050	1305	640	640
300	750	585	500	442	/	70	4	4.5	16-48	1208	1506	640	730
Z_{40H} Z_{41Y}-160C Z_{40Y} Z₄₁-160P Z_{40Y} Z₄₁-160R Z_{40W} Z₄₁-160P Z_{40W} Z₄₁-160R Z_{40Y} Z₄₁-160 (KZ41Y)													
40	260	175	125	92	76	32	3	4	4-23	350	395	320	32
50	300	215	165	132	95	36	3	4	4-25	512	612	360	73
65	340	245	190	152	110	44	3	4	8-25	560	677	360	110
80	390	260	205	168	130	46	3	4	8-30	585	688	400	141
100	450	300	240	200	160	48	3	4.5	8-34	631	751	450	185
125	525	355	285	238	190	60	3	4.5	8-41	723	868	560	320
150	600	390	318	270	205	66	3	4.5	12-41	820	997	640	462
200	750	480	400	345	260	78	3	4.5	12-48	990	1224	720	711

注: 根据用户需求可提供齿轮传动闸阀产品。 Note: Gear driving gate valves can be supplied per users' requirement.


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	L	D	D ₁	D ₂	b	f	Z-Φd	H	电动装置 Electric device	WT (Kg)
Z_{940H} Z_{941Y}-16C Z_{940Y} Z₉₄₁-16P Z_{940Y} Z₉₄₁-16R Z_{940W} Z₉₄₁-16P Z_{940W} Z₉₄₁-16R Z_{940Y} Z₉₄₁-16 (KZ41Y)										
40	240	145	110	85	16	3	4-18	595	DZW15	53
50	250	160	125	100	16	3	4-18	653	DZW20	59
65	265	180	145	120	18	3	4-18	665	DZW20	62
80	280	195	160	135	18	3	8-18	725	DZW20	74
100	300	215	180	155	20	3	8-18	787	DZW20	92
150	350	280	240	210	24	3	8-23	955	DZW30	161
200	400	335	295	265	26	3	12-23	1105	DZW30	219
250	450	405	355	320	30	3	12-25	1343	DZW45	376
300	500	460	410	375	30	3	12-25	1516	DZW60	484
350	550	520	470	435	34	4	16-25	1678	DZW60	695
400	600	580	525	485	38	4	16-30	1849	DZW90	977
450	650	640	585	545	40	4	20-30	1937	DZW90	1033
500	700	705	650	608	44	4	20-34	2234	DZW120	1087
600	800	840	770	718	48	5	20-41	2432	DZW180	1357
700	900	910	840	788	50	5	24-41	2489	DZW250	1481
800	1000	1020	950	898	52	5	24-41	2643	DZW350	1845

注: DN700、DN800的型号为Z942型。 Note: DN700, DN800 type is Z942.

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D ₁	D ₂	b	f	Z-Φd	H	电动装置 Electric device	WT(Kg)
Z940H Z941Y-25C	Z940 Z941Y-25P	Z940 Z941Y-25R	Z940 Z941W-25P	Z940 Z941W-25R	Z940 Z941Y-25I					
40	200	145	110	85	18	3	4-18	595	DZW15	60
50	250	160	125	100	20	3	4-18	653	DZW20	64
65	265	180	145	120	22	3	4-18	665	DZW20	65
80	280	195	160	135	22	3	8-18	725	DZW20	79
100	300	230	190	160	24	3	8-23	787	DZW20	98
125	325	270	220	188	28	3	8-25	902	DZW30	154
150	350	300	250	218	30	3	8-25	955	DZW30	168
200	400	360	310	278	34	3	12-25	1105	DZW45	219
250	450	425	370	332	36	3	12-30	1343	DZW45	390
300	500	485	430	390	40	4	16-30	1516	DZW60	505
350	550	550	490	448	44	4	16-34	1678	DZW60	736
400	600	610	550	505	48	4	16-34	1849	DZW90	1027
450	650	660	600	555	50	4	16-34	1937	DZW90	1139
500	700	730	660	610	52	4	20-34	2234	DZW120	1228
600	800	840	770	718	56	5	20-41	2432	DZW180	1502
700	900	955	875	815	60	5	20-41	2489	DZW250	1617
800	1000	1070	990	930	64	5	24-48	2643	DZW350	1923

注: DN700、DN800的型号为Z942型。 Note: DN700, DN800 type is Z942.

主要外形尺寸 Main Outline Dimensions

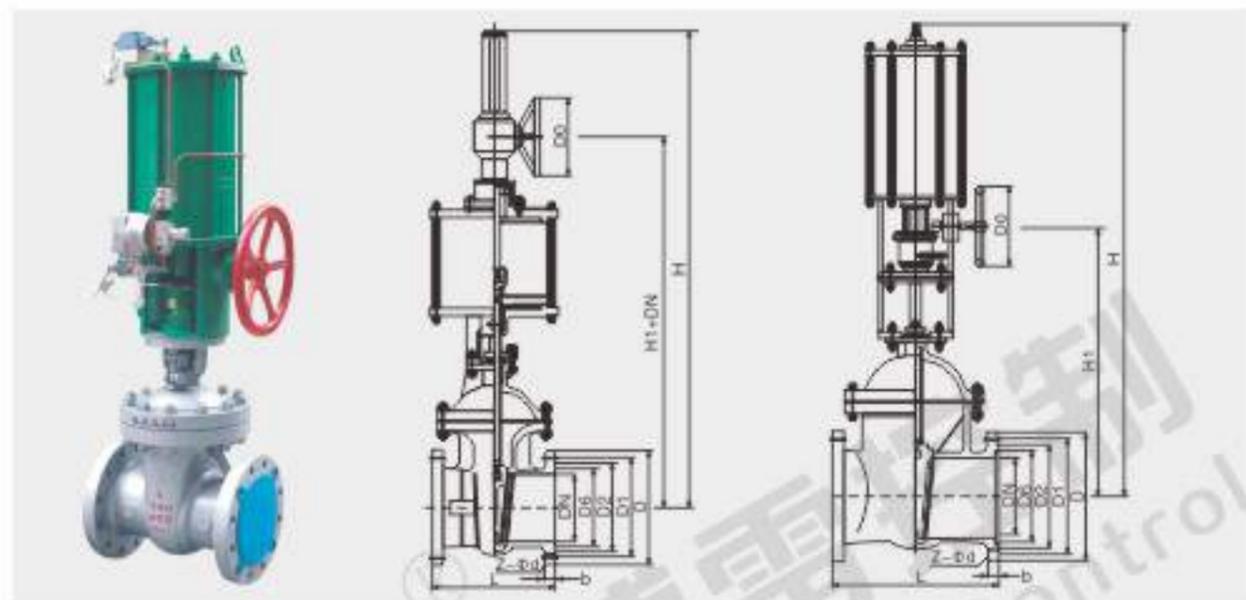
单位Unit:mm

公称通径 DN	L	D	D ₁	D ₂	D ₆	b	Z-Φd	f	f ₂	H	电动装置 Electric device	WT (Kg)
Z940H Z941Y-40C	Z940 Z941Y-40P	Z940 Z941Y-40R	Z940 Z941W-40P	Z940 Z941W-40R	Z940 Z941Y-40I							
40	200	145	110	85	76	18	4-18	3	4	617	DZW15	62
50	250	160	125	100	88	20	4-18	3	4	665	DZW20	66
65	280	180	145	120	110	22	8-18	3	4	680	DZW20	68
80	310	195	160	135	121	22	8-18	3	4	752	DZW20	80
100	350	230	190	160	150	24	8-23	3	4.5	846	DZW30	108
150	450	300	250	218	204	30	8-25	3	4.5	1087	DZW45	258
200	550	375	320	282	260	38	12-30	3	4.5	1243	DZW45	366
250	650	445	385	345	313	42	12-34	3	4.5	1429	DZW60	472
300	750	510	450	408	364	46	16-34	4	4.5	1608	DZW90	673
350	850	570	510	465	422	52	16-34	4	5	1738	DZW90	804
400	950	655	585	535	474	58	16-41	4	5	1897	DZW120	1081
450	1050	680	610	560	524	60	20-41	4	5	2104	DZW120	1259
500	1150	755	670	612	576	62	20-48	4	5	2401	DZW180	1348

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D ₁	D ₂	D ₆	b	Z-Φd	f	f ₂	H	电动装置 Electric device	WT (Kg)
Z940H Z941Y-64C	Z940H Z941Y-64P	Z940H Z941Y-64R	Z940H Z941W-64P	Z940H Z941W-64R	Z940H Z941Y-64I							
50	250	175	135	105	88	26	4-23	3	4	667	DZW20	68
65	280	200	160	130	110	28	8-23	3	4	685	DZW20	72
80	310	210	170	140	121	30	8-23	3	4	748	DZW30	88
100	350	250	200	168	150	32	8-25	3	4.5	845	DZW30	117
150	450	340	280	240	204	38	8-34	3	4.5	1009	DZW45	314
200	550	405	345	300	260	44	12-34	3	4.5	1253	DZW60	432
250	650	470	400	345	313	48	12-41	3	4.5	1449	DZW60	595
300	750	530	460	412	361	54	16-41	4	4.5	1867	DZW90	721
350	850	595	525	475	422	60	16-41	4	5	1931	DZW120	863
400	950	670	585	525	474	66	16-48	4	5	2017	DZW180	1129
500	1150	800	705	640	576	70	20-54	4	5	2459	DZW250	1493
Z940H Z941Y-100C	Z940 Z941Y-100P	Z940 Z941Y-100R	Z940 Z941W-100P	Z940 Z941W-100R	Z940 Z941Y-100I							
50	250	195	145	112	88	28	4-25	3	4	781	DZW20	78
65	280	220	170	138	110	32	8-25	3	4	830	DZW20	96
80	310	230	180	148	121	34	8-25	3	4	865	DZW30	126
100	350	265	210	172	150	38	8-30	3	4.5	1179	DZW30	134
150	450	350	290	250	204	46	12-34	3	4.5	1201	DZW60	352
200	550	430	360	312	260	54	12-41	3	4.5	1611	DZW90	484
250	650	500	430	382	313	60	12-41	3	4.5	1903	DZW90	608
300	750	585	500	442	364	70	16-48	4	4.5	2054	DZW120	757
350	850	655	560	498	422	76	16-54	4	5	2132	DZW180	994
400	950	715	620	558	474	80	16-54	4	5	2321	DZW250	1269
Z940H Z941Y-160C	Z940 Z941Y-160P	Z940 Z941Y-160R	Z940 Z941W-160P	Z940 Z941W-160R	Z940 Z941Y-160I							
50	300	215	165	132	88	36	8-25	3	4	905	DZW20	101
65	340	245	190	152	110	44	8-30	3	4	968	DZW20	137
80	390	260	205	168	121	46	8-30	3	4	978	DZW30	167
100	450	300	240	200	150	48	8-34	3	4.5	1043	DZW30	211
125	525	355	285	238	176	60	8-41	3	4.5	1248	DZW60	424
150	600	390	318	270	204	66	12-41	3	4.5	1394	DZW90	588
200	750	480	400	345	260	78	12-48	3	4.5	1621	DZW120	839


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D1	D2	b	Z-φd	H	H1	Do	WT(kg)
			CZ6s40H-16C		CZ6s40Y-16P		CZ6s40Y-16R			
50	250	160	125	100	16	4-φ18	950	570	180	36
65	270	180	145	120	18	4-φ18	1050	596	180	53
80	280	195	160	135	20	8-φ18	1080	635	200	72
100	300	215	180	155	20	8-φ18	1145	645	250	90
125	320	245	210	185	22	8-φ18	1210	685	250	120
150	350	280	240	210	24	8-φ23	1300	720	320	132
200	400	335	295	265	26	12-φ23	1660	940	400	258
250	450	405	355	320	30	12-φ25	1790	1050	400	297
300	500	460	410	375	30	12-φ25	1990	1150	450	420
350	550	520	470	435	34	6-φ25	2090	1170	450	558
400	600	580	525	485	36	16-φ30	2290	1325	500	840
450	650	640	585	545	40	20-φ30	2485	1465	500	1110
500	700	705	650	608	44	20-φ34	2640	1590	550	1380
600	800	840	770	718	48	20-φ41	2940	1720	550	1620
700	900	910	840	788	50	24-φ41	3450	1960	600	1966
800	1000	1020	950	898	52	24-φ41	3650	2190	600	2282
900	1100	1120	1050	998	54	28-φ41	3815	2400	800	2495
1000	1200	1255	1170	1110	56	28-φ48	4000	2650	800	2760

主要外形尺寸 Main Outline Dimensions

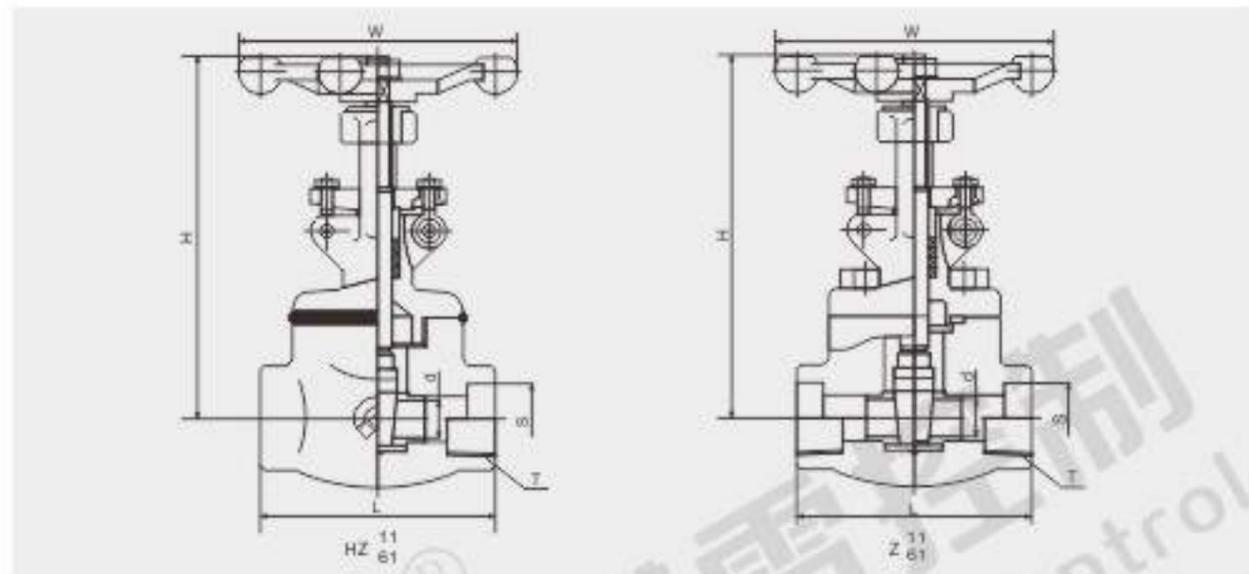
单位Unit:mm

公称通径 DN	L	D	D1	D2	b	Z-φd	H	H1	Do	WT(kg)
			CZ6s40H-25C		CZ6s40Y-25P		CZ6s40Y-25R			
50	250	160	125	100	20	4-φ18	950	570	180	36
65	270	180	145	120	22	8-φ18	1050	596	180	55
80	280	195	160	135	22	8-φ18	1080	635	200	76
100	300	230	190	160	24	8-φ18	1145	645	250	94
125	325	270	220	188	28	8-φ23	1210	685	250	126
150	350	300	250	218	30	8-φ23	1300	720	320	136
200	400	360	320	278	34	12-φ23	1660	940	400	265
250	450	425	370	332	36	12-φ25	1790	1020	400	300
300	500	485	430	390	40	16-φ25	1990	1150	450	436
350	550	550	490	448	44	16-φ25	2090	1170	450	580
400	600	610	550	505	48	16-φ30	2290	1325	500	860
450	650	660	600	555	50	20-φ34	2485	1465	500	1260
500	700	730	660	610	52	20-φ41	2640	1590	550	1420
600	800	840	770	718	56	20-φ41	2940	1720	550	1710
700	900	955	875	815	64	24-φ48	3450	1960	600	2105
800	1000	1070	990	930	66	24-φ48	3650	2190	600	2310
900	1100	1180	1090	1025	66	28-φ54	3815	2400	800	2620
1000	1200	1305	1210	1140	68	28-φ58	4000	2650	800	2960

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D1	D2	Do	b	Z-φd	H	H1	Do	WT(kg)
			CZ6s40H-40C		CZ6s40Y-40P		CZ6s40Y-40R				
50	250	160	125	100	88	20	4-φ18	950	570	200	42
65	280	180	145	120	110	22	8-φ18	1050	596	200	68
80	310	195	160	135	121	22	8-φ18	1080	635	250	84
100	350	230	190	160	150	24	8-φ23	1145	645	320	102
125	400	270	220	188	176	28	8-φ25	1210	700	320	135
150	450	300	250	218	204	30	8-φ25	1330	750	400	156
200	550	375	320	282	260	38	12-φ30	1660	940	400	276
250	650	445	385	345	313	42	12-φ34	1820	1050	450	306
300	750	510	450	408	364	46	16-φ34	1990	1150	450	510
350	850	570	510	465	422	52	16-φ34	2110	1190	500	720
400	950	655	585	535	474	58	16-φ41	2335	1370	550	1050
450	1050	680	610	560	524	60	20-φ41	2490	1510	550	1320
500	1150	755	670	612	576	62	20-φ48	2640	1590	550	1800
600	1350	890	795	730	678	62	20-φ54	2940	1720	600	2160

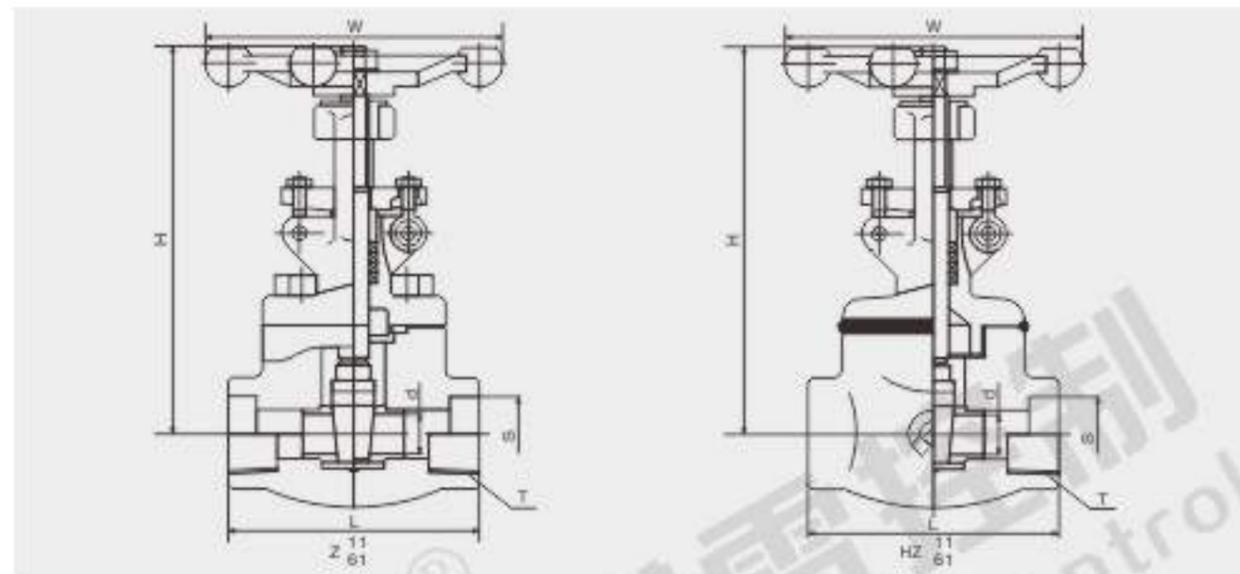

应用规范 Application Criterion

- 设计制造 Design Manufacture: GB/T12224, GB/T12228, GB/T12234
- 连接端尺寸 Connection End Dimension:
(1)承插孔尺寸 Socket Dimension: JB/T1751-95
(2)螺纹端尺寸 Screw Dimension: GB/T7306-87
- 结构特征 Structure Characteristic: B.B或(Or)W.B; OS&Y
- 主体材料 Main Materials: A105, F5, F11, F22, 304, 304L, 316, 316L, LF2
- 阀门的检验和试验 Valve Check And Test: JB/T9092-99

主要尺寸及重量 Main Dimensions And Weight (PN 1.6~14.0MPa)

单位 Unit:mm

规格 Size		S		L	T(in)		W	H(开) Open	WT (kg)			
DN		GB			GB Rc牙型角55°				DN	H(开) Open	WT (kg)	
缩径 RP	全径 FP	缩径 RP	全径 FP		缩径 RP	全径 FP					缩径 RP	全径 FP
8		14.5		79	1/4		100	166	2.2			
10	8	18.0	14.5	79	3/8	1/4	100	166	2.2	2.2		
15	10	22.5	18.0	79	1/2	3/8	100	166	2.2	2.2		
20	15	28.5	22.5	92	3/4	1/2	100	169	2.2	2.2		
25	20	34.5	28.5	111	1	3/4	125	193	4.3	4.3		
32	25	43.0	34.5	120	1 1/4	1	160	326	5.9	5.9		
40	32	49.0	43.0	120	1 1/2	1 1/4	160	246	6.9	6.9		
50	40	61.0	49.0	140	2	1 1/2	180	283	11.1	11.1		
	50		61.0	178		2	200	330		15.2		


应用规范 Application Criterion

- 设计制造 Design Manufacture: GB/T12224, GB/T12228, GB/T12234
- 连接端尺寸 Connection End Dimension:
(1)承插孔尺寸 Socket Dimension: JB/T1751-95
(2)螺纹端尺寸 Screw Dimension: GB/T7306-87
- 结构特征 Structure Characteristic: B.B或(Or)W.B; OS&Y
- 主体材料 Main Materials: A105, F5, F11, F22, 304, 304L, 316, 316L, LF2
- 阀门的检验和试验 Valve Check And Test: JB/T9092-99

主要尺寸及重量 Main Dimensions And Weight (PN 1.6~25.0MPa)

单位 Unit:mm

规格 Size		S		L	T(in)		W	H(开) Open	WT (kg)			
DN		GB			GB Rc牙型角55°				DN	H(开) Open	WT (kg)	
缩径 RP	全径 FP	缩径 RP	全径 FP		缩径 RP	全径 FP					缩径 RP	全径 FP
8		14.5		92	1/4		100	166	3.3			
10		18.0		92	3/8		100	166	3.5			
15		22.5		92	1/2		100	169	3.5			
20		28.5		111	3/4		125	193	3.8			
25		34.5		120	1		160	230	7.8			
32		43.0		120	1 1/4		160	246	11.9			
40		49.0		140	1 1/2		180	283	12.2			
50		61.0		178	2		200	330	21.9			

螺栓连接闸盖、缩径、明杆支架(OS&Y)
Bolted bonnet, reducing port outside screw and yoke (OS&Y)
末端连接为法兰或对焊连接, 设计按API 602:BS5352
Flange-welded or butt-welded ends; design to API 602:BS5352

CL150-300-600

规格Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
结构长度(mm) Face to face	CL150	L(RF)	-	-	108	117	127	140	165	178	190
	CL300	L1(BW)	-	-	140	152	165	178	190	216	241
	CL600	L1(BW)	-	-	165	190	216	229	241	292	330
手轮直径(mm) Handwheel diameter	W	-	-	100	100	125	160	160	180	200	
中心高度(开) (mm) Height	CL150	H	-	-	176	184	217	226	250	290	357
	CL300、CL600	H	-	-	161	163	196	226	250	290	357
流通孔径(mm) Flow port dimension	d	-	-	10	13.5	18	24	29	36.5	45	
WT (kg)	CL150	RF	-	-	3.4	3.98	6.12	7.2	10.4	15.5	24.5
		BW	-	-	2.8	3.3	5.4	6.5	8.2	12.5	20
	CL300	RF	-	-	3.77	4.89	7.23	9.6	12.64	18	26.2
		BW	-	-	3.5	4.4	6.8	8.1	9.2	15.4	22
	CL600	RF	-	-	4.2	5.8	8.8	12.1	15.6	19.5	32
		BW	-	-	4.5	5.1	8.2	10.5	12.4	20.1	28

注: 如需法兰和闸体一体式锻造的请与销售人员联系。
Note: for flange and body forging, please contact sales.

螺栓连接闸盖, 全径, 明杆支架(OS&Y)
Bolted bonnet, full port outside screw and yoke (OS&Y)
末端连接为焊接法兰或对焊连接, 设计按BS5352
Flange-welded or butt-welded ends; design to BS5352

CL900-CL1500

规格Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF),L1(BW)	-	-	216	229	254	279	305	368
	L(RTJ)	-	-	216	229	254	279	305	371
手轮直径(mm) Handwheel diameter	W	-	-	125	125	160	180	200	220
中心高度(开)(mm) Height	H	-	-	191	192	219	257	296	316
流通孔径(mm) Flow port dimension	d	-	-	13.5	18	24	29	36.5	45
WT (kg)		-	-	7.2	11.5	15.6	16.2	22.6	28.2

注: 如需法兰和闸体一体式锻造的请与销售人员联系。
Note: for flange and body forging, please contact sales.

螺栓连接闸盖(RJ), 全径, 明杆支架(OS&Y)
Bolted bonnet, full port outside screw and yoke (OS&Y)
末端连接为焊接法兰或对焊连接, 设计按ASME B16.34
Flange-welded or butt-welded ends; design to ASME B16.34

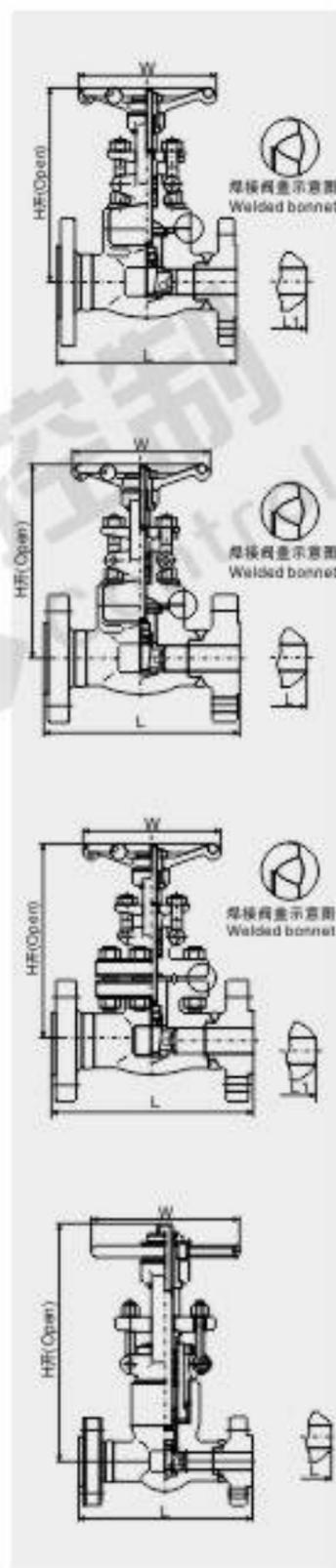
CL2500

规格Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF),L1(BW)	-	-	264	273	308	-	384	451
	L(RTJ)	-	-	264	273	308	-	387	454
手轮直径(mm) Handwheel diameter	W	-	-	125	160	160	-	200	240
中心高度(开)(mm) Height	H	-	-	207	240	258	-	355	370
流通孔径(mm) Flow port dimension	d	-	-	13.5	13.5	19	-	30	36.5
WT (kg)		-	-	19.5	21.5	42	-	65	95

压力自紧式密封闸阀, 全径, 明杆支架(OS&Y)
Pressure seal gate valves, full port outside screw and yoke(OS&Y)
末端连接为焊接法兰或对焊连接, 设计按ASME B16.34
Flange-welded or butt-welded ends; design to ASME B16.34

CL2500

规格Specification(NPS)		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF),L1(BW)	-	-	264	273	308	-	384	451
	L(RTJ)	-	-	264	273	308	-	387	454
手轮直径(mm) Handwheel diameter	W	-	-	200	200	200	-	280	300
中心高度(开)(mm) Height	H	-	-	325	325	327	-	476	540
流通孔径(mm) Flow port dimension	d	-	-	13.5	13.5	19	-	30	36.5
WT (kg)		-	-	14.6	16.8	17.6	-	25	31.9



螺栓连接闸盖, 缩径和全径, 明杆支架(OS&Y)
Bolted bonnet, full port reducing port outside screw and yoke (OS&Y)
末端连接为螺纹或承插焊连接, 设计按API 602
Threaded,butt-welded or socket welded ends; design to API 602

CL800

规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	120	140	178	180
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	220
中心高度(开)(mm) Height	H	161	161	163	196	223	251	290	333	370
流通孔径(mm) Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	51
WT (kg)		2.22	2.3	2.39	4.24	5.7	7.05	10.9	16.8	24

螺栓连接闸盖, 缩径和全径, 明杆支架(OS&Y)
Welded bonnet, full port reducing port outside screw and yoke (OS&Y)
末端连接为螺纹或承插焊连接, 设计按API 602
Threaded,butt-welded or socket welded ends; design to API 602

CL800

规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	120	140	178	180
手轮直径(mm) Handwheel diameter	W	100	100	100	125	160	160	180	200	220
中心高度(开)(mm) Height	H	161	161	163	196	223	251	290	333	370
流通孔径(mm) Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	51
WT (kg)		1.9	1.9	2.1	3.2	5.2	6.9	10.4	15.8	22

螺栓连接闸盖, 缩径和全径, 明杆支架(OS&Y)
Bolted bonnet, full port reducing port outside screw and yoke (OS&Y)
末端连接为螺纹或承插焊连接, 设计按API 602
Threaded,butt-welded or socket welded ends; design to API 602

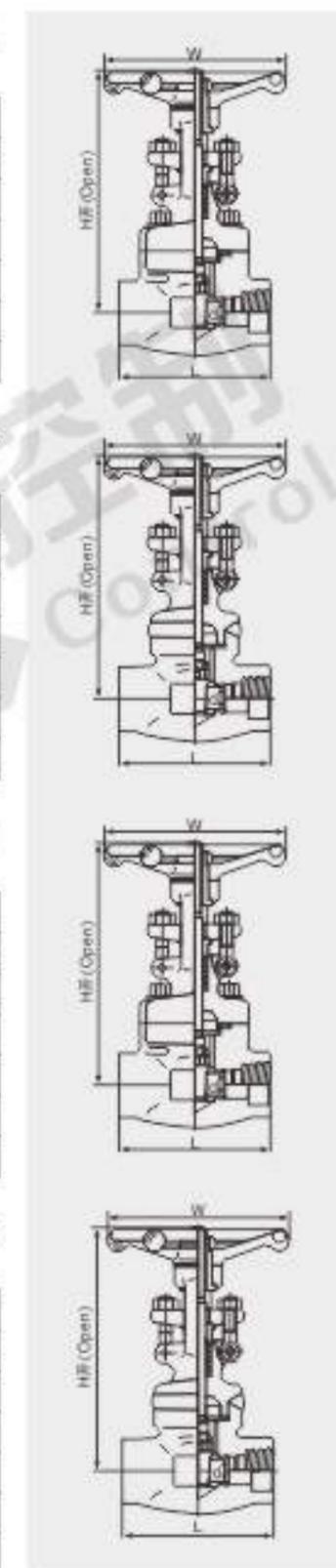
CL900-CL1500

规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	92	111	111	120	120	140	178	180	-
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	180	200	220	-
中心高度(开)(mm) Height	H	191	191	192	219	243	296	316	370	-
流通孔径(mm) Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	-
WT (kg)		2.4	4.3	4.4	6	7.2	11.4	16	23	-

螺栓连接闸盖, 缩径和全径, 明杆支架(OS&Y)
Welded bonnet, full port reducing port outside screw and yoke (OS&Y)
末端连接为螺纹或承插焊连接, 设计按API 602
Threaded,butt-welded or socket welded ends; design to API 602

CL900-CL1500

规格(NPS) Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	92	111	111	120	120	140	178	180	-
手轮直径(mm) Handwheel diameter	W	100	125	125	160	160	160	200	220	-
中心高度(开)(mm) Height	H	171	207	207	240	258	330	355	370	-
流通孔径(mm) Flow port dimension	d	8	10.5	13.5	18	24	29	36.5	45	-
WT (kg)		2.3	4	4	4.8	7.1	11	16	22.8	-




产品执行标准 Production Enforce Standard

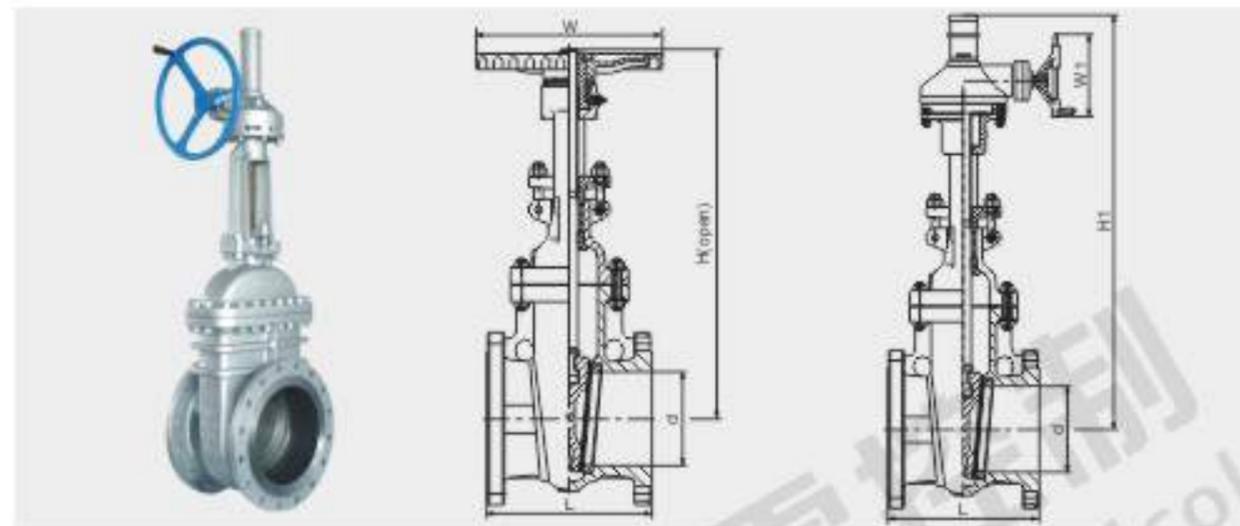
设计与制造 Design And Manufacture	结构长度 Face to face/ End to end	法兰尺寸 Flange Dimension	对焊连接尺寸 Butt welding dimension	压力-温度 Pressure Temperature Rating	试验-检验 Inspection and test
API 6D, 600	ANSI B16.10	ANSI B16.5	ANSI B16.25	ANSI B16.34	API 598, API 6D

产品性能规范 Chief Property And Specification

公称压力(Lb) Nominal Pressure	强度试验 Shell test		水密封试验 Water seal test		气密封试验 Air seal test	
	MPa	Lbf/in ²	MPa	Lbf/in ²	MPa	Lbf/in ²
150	3.1	450	2.2	315	0.5-0.7	60-100
300	7.8	1125	5.6	815		
600	15.3	2225	11.2	1630		
900	23.1	3350	16.8	2440		
1500	38.4	5575	28.1	4080		
2500	64.6	9387	47.4	6873		

主要零件材料 Main Part Material

体、盖、瓣 Body Cover Disc	阀杆 Stem	密封面 Sealing Face	垫片(环) Sealing shim	填料 Packing	工作温度(°C) Working temperature	适用介质 Suitable medium
WCB	2Cr13	13Cr STL 本体材料 With body material	增强柔性石墨 13Cr/柔性石墨 Enhanced Flexible Graphite 1Cr13/Flexible graphite SFB-2 08软钢 08Soft steel	柔性石墨 增强柔性石墨 Flexible graphite enhanced flexible graphite	≤425	水、蒸汽、油品 Water Steam Petroleum Products
WC1	38CrMoAl 25Cr2MnV					
WC6						
WC9						
C5 C12						
CF8	F304					
CF3	F316					
CF8M	F304L					
CF3M	F316L					

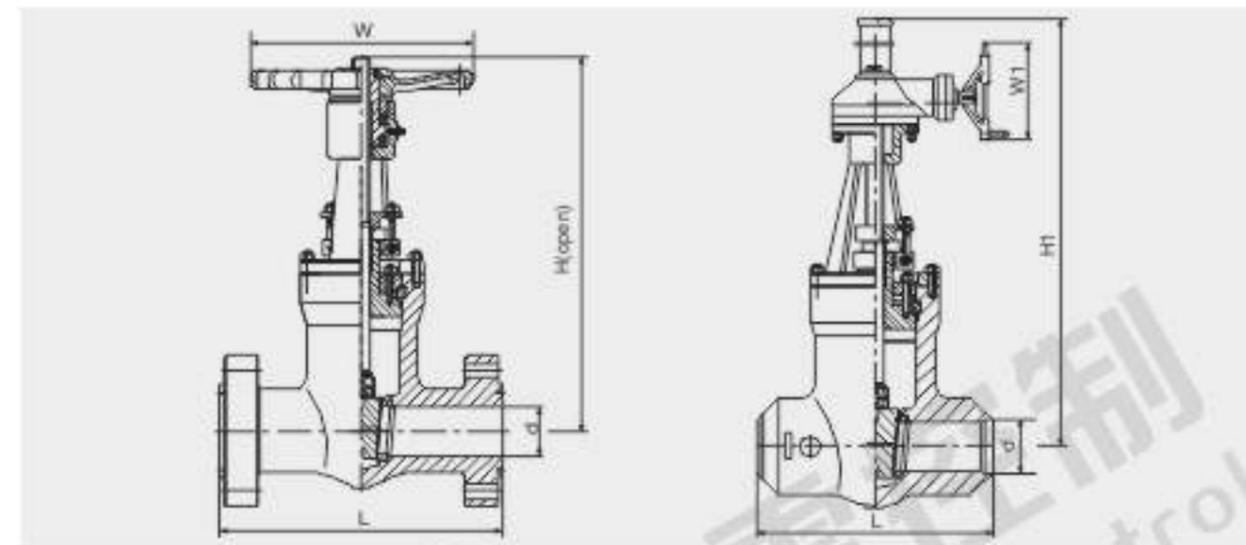

主要外形尺寸及重量 Main Size Of Outside & Weight (Class 150)

单位 Unit: mm

磅级 Class	口径 Size		尺寸 Dimensions (mm)							WT (kg)		
	NPS	DN	L			d	H	H ₁	W	W ₁	手轮 Handwheel	传动装置 Gear box
			RF	RTJ	BW							
Class 150	1/2	15	108	119	108	13	195	-	120	-	4	-
	3/4	20	117	130	117	19	210	-	120	-	5	-
	1	25	127	140	127	25	240	-	140	-	7	-
	1 1/4	32	140	153	140	32	300	-	180	-	10	-
	1 1/2	40	165	178	165	38	395	-	200	-	14	-
	2	50	178	191	216	51	400	-	200	-	19	-
	2 1/2	65	191	203	241	64	435	-	200	-	25	-
	3	80	203	216	283	76	515	-	250	-	33	-
	4	100	229	241	305	102	595	-	280	-	49	-
	5	125	254	267	381	127	725	-	280	-	62	-
	6	150	267	279	403	152	780	820	300	310	77	104
	8	200	292	305	419	203	975	1020	350	310	123	150
	10	250	330	343	457	254	1150	1200	400	310	188	215
	12	300	356	368	502	305	1380	1430	450	310	288	315
	14	350	381	394	572	337	1545	1580	500	310	385	435
	16	400	406	419	610	387	1733	1780	500	460	500	552
	18	450	432	445	660	438	1915	1990	500	460	601	653
	20	500	457	470	711	489	2122	2220	600	460	764	816
24	600	508	521	813	591	2520	2600	600	460	1007	1185	
26	650	559	-	864	633	-	2800	-	600	-	1550	
28	700	610	-	914	684	-	3050	-	600	-	1880	
30	750	610	-	914	735	-	3130	-	600	-	2300	
32	800	711	-	965	779	-	3280	-	600	-	2550	
34	850	762	-	1016	830	-	3500	-	600	-	2950	
36	900	711	-	1016	874	-	3720	-	600	-	3390	

主要外形尺寸及重量 Main Size Of Outside & Weight (Class 300 & Class 600 & Class 900) 单位Unit:mm

磅级 Class	口径 Size		尺寸 Dimensions(mm)								WT (kg)	
	NPS	DN	L			d	H	H ₁	W	W ₁	手轮 Hand wheel	传动装置 Gear box
			RF	RTJ	BW							
Class 300	1/2	15	140	151	140	13	198	-	120	-	6	-
	3/4	20	152	165	152	19	215	-	140	-	7	-
	1	25	165	178	165	25	245	-	160	-	10	-
	1 1/4	32	178	191	178	32	306	-	180	-	15	-
	1 1/2	40	190	203	190	38	400	-	200	-	21	-
	2	50	216	232	216	51	420	-	200	-	25	-
	2 1/2	65	241	257	241	64	446	-	200	-	30	-
	3	80	283	298	283	76	537	-	250	-	48	-
	4	100	305	321	305	102	619	650	280	310	73	100
	5	125	381	397	381	127	722	750	300	310	99	126
	6	150	403	419	403	152	806	835	350	310	130	186
	8	200	419	435	419	203	1000	1030	400	310	208	235
	10	250	457	473	457	254	1240	1280	450	310	334	386
	12	300	502	518	502	305	1425	1460	500	310	450	502
	14	350	562	578	562	337	1585	1620	600	460	704	756
	16	400	635	651	635	379	1790	1830	700	460	923	965
	18	450	711	727	711	438	1960	2000	800	460	1131	1224
	20	500	787	803	787	479	2158	2220	900	460	1345	1400
24	600	914	930	914	589	2576	2620	1100	600	2122	2385	
26	650	965	981	965	635	-	2850	-	600	-	3000	
28	700	1016	1032	1016	686	-	3080	-	600	-	3300	
30	750	1067	1083	1067	737	-	3180	-	600	-	3550	
32	800	1118	1134	1118	779	-	3300	-	600	-	4400	
34	850	1169	1185	1169	830	-	3550	-	600	-	5200	
36	900	1220	1236	1220	874	-	3760	-	600	-	6050	
Class 600	2	50	292	295	292	51	444	-	200	-	32	-
	2 1/2	65	330	333	330	64	500	-	250	-	52	-
	3	80	356	359	356	76	558	585	280	310	60	87
	4	100	432	435	432	102	665	695	300	310	107	134
	5	125	508	511	508	127	760	790	350	310	175	227
	6	150	559	562	559	152	868	900	450	310	216	268
	8	200	660	664	660	200	1073	1110	500	310	399	451
	10	250	787	791	787	248	1263	1300	650	460	605	657
	12	300	838	841	838	298	1600	1650	700	460	851	893
	14	350	889	892	889	327	1705	1750	900	460	1177	1232
Class 900	2	50	368	371	368	47	510	-	280	-	70	-
	2 1/2	65	419	422	419	57	580	-	300	-	110	-
	3	80	470	473	470	70	620	670	350	310	175	202
	4	100	546	549	546	92	728	770	400	310	270	300
	5	125	673	676	673	111	870	920	450	310	378	405
	6	150	705	711	705	136	1000	1070	500	460	520	575
	8	200	832	841	832	174	1130	1180	750	460	820	915
	10	250	991	1000	991	222	1360	1410	900	600	1560	1750
	12	300	1130	1146	1130	283	-	1620	-	600	-	2120
	14	350	1257	1276	1257	289	-	2020	-	600	-	2600
Class 1500	2	50	451	454	451	35	530	580	280	310	100	130
	2 1/2	65	508	514	508	47	580	630	300	310	150	180
	3	80	578	584	578	57	650	700	350	310	245	275
	4	100	673	683	673	73	750	800	400	310	390	420
	5	125	794	807	794	92	900	960	500	460	550	580
	6	150	914	927	914	111	1040	1100	600	460	780	835
	8	200	1022	1038	1022	146	1150	1200	750	460	1260	1355
	10	250	1270	1292	1270	184	1400	1460	900	600	2380	2565
	12	300	1422	1445	1422	219	-	1660	-	600	-	3250


主要外形尺寸及重量 Main Size Of Outside & Weight (Class 1500 & Class 2500) 单位Unit:mm

磅级 Class	口径 Size		尺寸 Dimensions(mm)								WT (kg)	
	NPS	DN	L			d	H	H ₁	W	W ₁	手轮 Hand wheel	传动装置 Gear box
			RF	RTJ	BW							
Class 1500	2	50	368	371	368	47	510	-	280	-	70	-
	2 1/2	65	419	422	419	57	580	-	300	-	110	-
	3	80	470	473	470	70	620	670	350	310	175	202
	4	100	546	549	546	92	728	770	400	310	270	300
	5	125	673	676	673	111	870	920	450	310	378	405
	6	150	705	711	705	136	1000	1070	500	460	520	575
	8	200	832	841	832	174	1130	1180	750	460	820	915
	10	250	991	1000	991	222	1360	1410	900	600	1560	1750
	12	300	1130	1146	1130	283	-	1620	-	600	-	2120
	14	350	1257	1276	1257	289	-	2020	-	600	-	2600
Class 2500	2	50	451	454	451	35	530	580	280	310	100	130
	2 1/2	65	508	514	508	47	580	630	300	310	150	180
	3	80	578	584	578	57	650	700	350	310	245	275
	4	100	673	683	673	73	750	800	400	310	390	420
	5	125	794	807	794	92	900	960	500	460	550	580
	6	150	914	927	914	111	1040	1100	600	460	780	835
	8	200	1022	1038	1022	146	1150	1200	750	460	1260	1355
	10	250	1270	1292	1270	184	1400	1460	900	600	2380	2565
	12	300	1422	1445	1422	219	-	1660	-	600	-	3250


产品执行标准 Production Enforce Standard

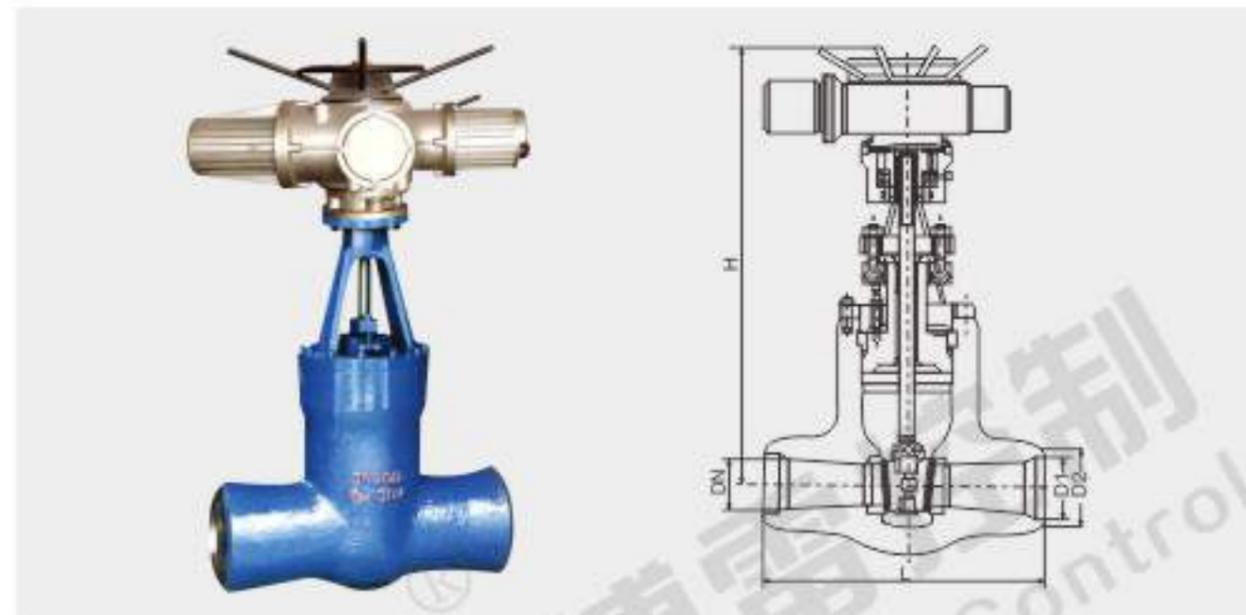
产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	焊接接口 Welding groove	试验与检验 Test & check	压力-温度 Pressure-temp
	JB/T 3595	JB/T 2766 GB/T 15188.1	JB/T 3595	JB/T 3595	JB/T 3595 JB/T 74

产品性能规范 Chief Property And Specification

产品型号 Product type	公称压力PN(MPa) Nominal Pressure	试验压力(MPa) Test pressure		工作压力(MPa) Working pressure	工作温度(°C) Working temperature	适用介质 Applicable medium
		强度试验 Shell test	密封试验/上密封 试验 Seal test			
Z96 $\frac{1}{2}$ Y-250	25	37.5	27.5	-	≤425	水、蒸汽 Water, steam
Z96 $\frac{1}{2}$ Y-320	32	48.0	36.0	-	≤425	
Z96 $\frac{1}{2}$ Y-P54100	-	30.0	22.0	P5410	≤540	蒸汽 Steam
Z96 $\frac{1}{2}$ Y-P54170	-	48.0	36.0	P5417	≤540	

主要零件材料 Main Part Material

零件名称 Part name	材料牌号 Material designation		
阀体 Body	WCB	WC6	WC9
阀板 Disc	WCB	WC6	WC9
阀盖 Bonnet	25	12Cr1MoVA	
阀杆 Stem	38CrMoAlA	20Cr1MoVA	
阀座 Seat		12Cr1MoVA	
密封环 Sealing ring	S软钢(增强柔性石墨) S soft steel(flexible graphite)	S软钢 S soft steel	F软钢 F soft steel
填料 Packing	增强柔性石墨 Flexible graphite		
支架 Yoke		WCB或WC6	
阀杆螺母 Stem nut	45(ZCuZn25a16Fe3Mn3)、ZQA19-4		
四开环 Four piece ring		20Cr1Mo1VA	


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

型号 Type	公称口径 DN	尺寸 Dimensions			WT (kg)
		L	D1	D2	
Z962H-200 Z960Y-200 Z962Y-P54100V Z960Y-P54100V	150	650	164	200	420
	175	750	186	223	526
	200	800	200	262	550
	225	850	233	282	595
	250	950	275	325	1210
Z962H-250 Z960Y-250 Z962Y-P54140V Z960Y-P54140V	300	1200	312	380	2100
	150	700	150	200	420
	175	750	176	223	530
	200	800	200	262	560
	225	850	220	282	600
Z960Y-320 Z960Y-P54170V	250	950	265	325	1220
	300	1194	305	380	2120
	150	700	150	200	615
	175	750	170	225	680
	200	800	200	262	695
Z960Y-320 Z960Y-P54170V	225	850	207	283	700
	250	950	250	325	1460
	300	1245	265	377	2650


产品执行标准 Production Enforce Standard

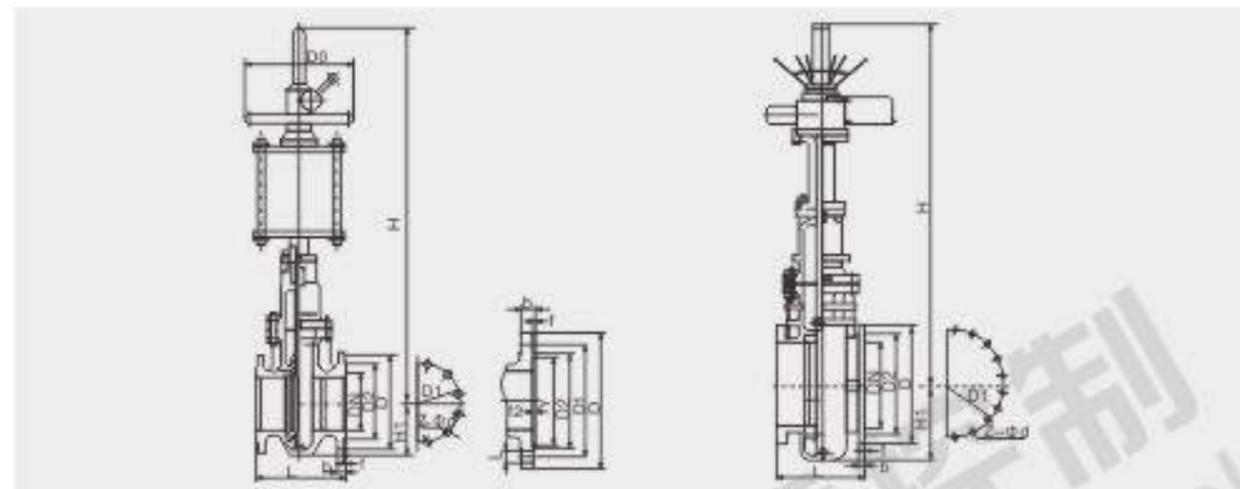
产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange and	试验与检验 Test & check	压力-温度 Pressure-temp
	JB/T5298	JB/T5298	JB/T79	JB/T5298	GB9131

产品性能规范 Chief Property And Specification

压力等级 Pressure	常温下压力试验(MPa) Pressure test under normal temperature (Mpa)				适用温度℃ Applicable temperature			适用介质 Applicable medium		
	壳体 Shell	左密封 Left seal	右密封 Right seal	低压密封 Low pressure seal	*G*型 Type	*D*型 Type	普通型 Ordinary	抗硫型 Sulfur Resistant	基本型 Basic	
公称压力(MPa) Nominal pressure	1.6	2.4	1.76	1.76	0.6	-29-250	-46-121	-29-121	含H ₂ O 和CO ₂ >500Mg/m ³ 的介质 Containing H ₂ O And CO ₂ >500 mg/m ³ Of the medium	石油 天然气 水等 Oil Natural gas water
	2.5	3.75	2.75	2.75	0.6					
	4.0	6.0	4.4	4.4	0.6					
	6.4	9.6	7.04	7.04	0.6					

主要零件材料 Main Part Material

零件名称 Part name	零部件材料 Part Material			
	JB/T7298		API 6D	
阀体/阀盖 Body/ Bonnet	WCB	WC6	A352-LCB	A351-CF8M
闸板 Wedge	2Cr13+ENP	20CrMoV+STL	ANSI410+ENP	ANSE316+ENP
闸杆 Stem	2Cr13	2Cr13	A182-F6a	A182-F316S
阀座 Seat	25+PTFE	20CrMoV+STL	A105+PTFE	A182-F316+PTFE
填料 Packing	NBR/FPM	柔性石墨/Flexible Graphite		聚四氟乙烯/PTFE+FPM
垫片 Gasket	18-8/柔性石墨/18-8/Flexible Graphite			
螺栓 Bolt	35	35CrMo	A193-B7M	A193-B8
适用温度 Suitable Temp	-29-250℃		-46-350℃	
适用介质 Suitable Medium	水、油品、蒸汽 Water, oil, Steam	蒸汽、油品 Steam, Oil	丙烷、乙烯 Steam, Oil	硝酸类 Nitric Acid


主要外形尺寸 Main Outline Dimensions (WP2543/643/943F)

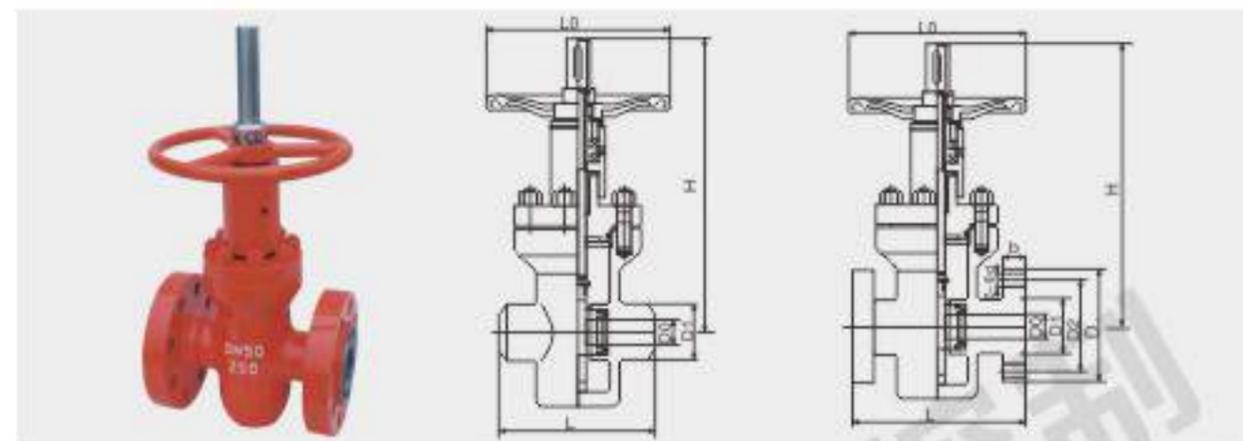
单位Unit:mm

公称压力 PN	DN	L	D	D1	D2	D0	f	b	H	H1	Z-Φd
1.6MPa	50	178	160	125	100	250	3	16	584	80	4-18
	65	190	180	145	120	250	3	18	634	95	4-18
	80	203	195	160	135	250	3	20	688	100	8-18
	100	229	215	180	155	300	3	20	863	114	8-18
	125	254	245	210	185	350	3	22	940	132	8-18
	150	267	280	240	210	350	3	24	1030	150	8-23
	200	292	335	295	265	350	3	26	1277	168	12-23
	250	330	405	355	320	400	3	30	1491	203	12-25
	300	356	460	410	375	450	4	30	1701	237	12-25
	350	381	520	470	435	500	4	34	1875	265	16-25
	400	406	580	525	485	305	4	36	2180	300	16-30
	450	432	640	585	545	305	4	40	2440	325	20-30
	500	457	705	650	608	305	4	44	2860	360	20-34
	600	508	840	770	718	305	5	48	3450	425	20-41
2.5MPa	700	610	910	840	788	305	5	50	3960	460	24-41
	800	660	1020	950	898	305	5	52	4550	512	24-41
	900	711	1120	1050	998	250	5	54	5250	565	28-41
	1000	811	1255	1170	1110	250	5	56	5870	630	28-48
	50	178	160	125	100	250	3	20	584	80	4-18
	65	190	180	145	120	300	3	22	634	95	8-18
	80	203	195	160	135	350	3	22	688	100	8-18
	100	229	230	190	160	350	3	24	863	114	8-23
	125	254	270	220	188	350	3	28	940	132	8-25
	150	267	300	250	218	400	3	30	1030	150	8-25
	200	292	360	310	278	450	3	34	1277	168	12-25
	250	330	425	370	332	500	3	36	1491	203	12-30
	300	356	485	430	390	305	4	40	1701	237	16-30
	350	381	550	490	448	305	4	44	1875	265	16-34
400	406	610	550	505	305	4	48	2180	300	16-34	
450	432	660	600	555	305	4	50	2440	325	20-34	
500	457	730	660	610	305	4	52	2860	360	20-41	
600	508	840	770	718	305	5	56	3450	425	20-41	
700	610	955	875	815	305	5	60	3960	460	24-48	
800	660	1070	990	930	305	5	64	4550	512	24-48	
900	711	1180	1090	1025		5	66	5250	595	28-54	
1000	811	1305	1210	1140		5	68	5870	660	28-58	

主要外形尺寸 Main Outline Dimensions (WPZ543/643/943F)

单位Unit:mm

公称压力 PN	DN	L	D	D ₁	D ₂	Y	D ₀	f	f ₂	b	H	H ₁	Z-Φd
4.0MPa	50	250	160	125	100	88	250	3	4	20	584	80	4-18
	65	280	180	145	120	110	250	3	4	22	634	95	8-18
	80	310	195	160	135	121	250	3	4	22	679	102	8-18
	100	350	230	190	160	150	300	3	4.5	24	863	115	8-23
	125	400	270	220	188	176	350	3	4.5	28	940	133	8-25
	150	450	300	250	218	204	350	3	4.5	30	1040	152	8-25
	200	550	375	320	282	260	350	3	4.5	38	1282	188	12-30
	250	650	445	385	345	313	400	3	4.5	42	1495	223	12-34
	300	750	510	450	408	364	450	4	4.5	46	1701	250	16-34
	350	850	570	510	465	422	500	4	5	52	1890	280	16-41
	400	950	655	585	535	474	305	4	5	58	2200	310	20-41
	450	1050	680	610	560	524	305	4	5	60	2480	335	20-41
500	1150	755	670	612	576	305	4	5	62	2890	380	20-48	
600	1350	890	795	730	678	305	5	6	62	3460	450	20-54	
700	1450	995	900	835	786	305	5	6	68	3985	500	24-54	
800	1650	1135	1030	960	876	305	5	6	76	4750	570	24-58	
6.4MPa	50	250	175	135	105	88	250	3	4	26	584	90	4-23
	65	280	200	160	130	110	250	3	4	28	634	105	8-23
	80	310	210	170	140	121	250	3	4	30	679	110	8-23
	100	350	250	200	168	150	300	3	4.5	32	763	130	8-25
	125	400	295	240	202	176	350	3	4.5	36	970	150	8-30
	150	450	340	280	240	204	350	3	4.5	38	1038	175	8-34
	200	550	405	345	300	260	350	3	4.5	44	1282	210	12-34
	250	650	470	400	352	313	400	3	4.5	48	1495	240	12-41
	300	750	530	460	412	364	450	4	4.5	54	1965	270	16-41
	350	850	595	525	475	422	500	4	5	60	2185	300	16-41
	400	950	670	585	525	474	305	4	5	66	2573	335	16-48
	450	1050	715	630	570	524	305	4	5	68	2800	360	20-48
500	1150	800	705	640	576	305	4	5	70	3280	405	20-54	
600	1350	930	820	750	678	305	5	6	76	3800	470	20-58	
10.0MPa	50	250	195	145	112	88	250	3	4	28	590	100	4-25
	65	280	220	170	138	110	250	3	4	32	640	115	8-25
	80	310	230	180	148	121	250	3	4	34	680	120	8-25
	100	350	265	210	172	150	300	3	4.5	38	870	135	8-30
	125	400	310	250	210	176	350	3	4.5	42	980	155	8-34
	150	450	350	290	250	204	350	3	4.5	46	1100	180	12-34
	200	550	430	360	312	260	350	3	4.5	54	1315	220	12-41
	250	650	500	430	382	313	400	3	4.5	60	1605	255	12-41
	300	750	585	500	442	364	450	4	4.5	70	1925	295	16-48
	350	850	665	560	498	422	500	4	5	76	2280	335	16-54
	400	950	715	620	558	474	305	4	5	80	2580	360	16-54



主要外形尺寸 Main Outline Dimensions (GPZ43Y-16-25)

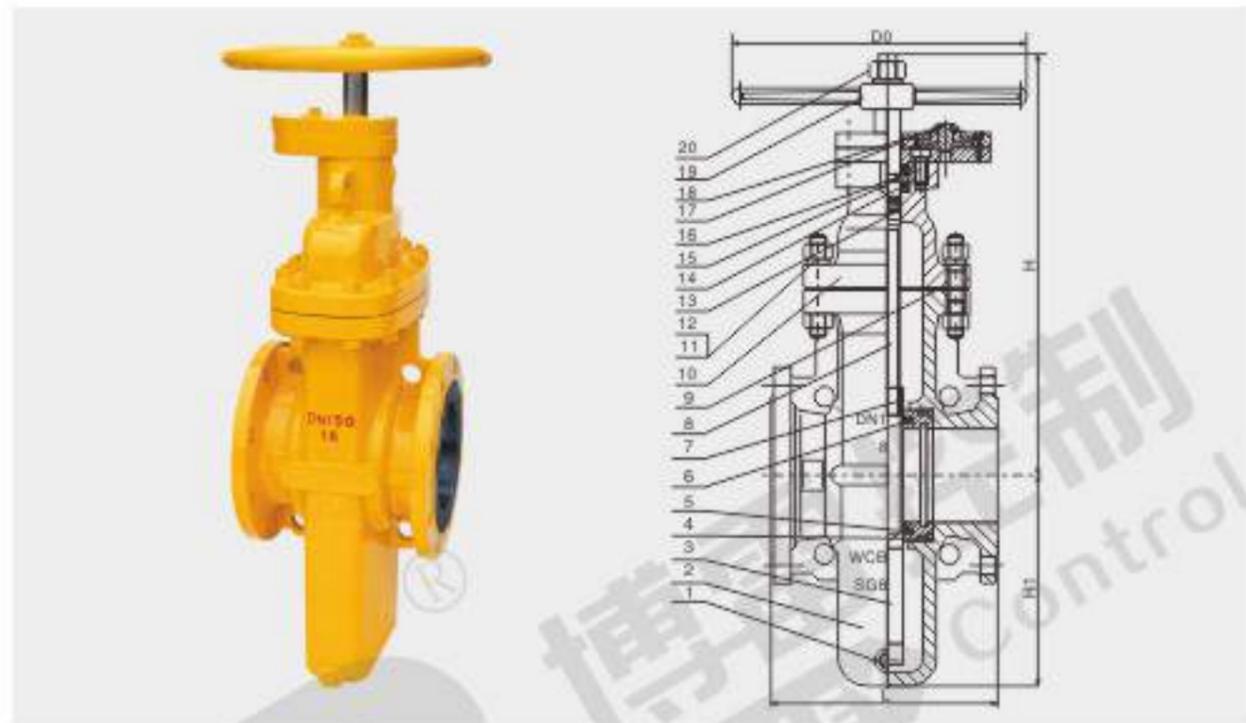
单位Unit:mm

公称压力 PN	公称口径 DN	L	H	D ₀	D ₁	D ₂	D	b	Z-Φd	L ₀
16MPa 22MPa	25	210	345	25	50.8	101.5	150	29	4-26	200
	32	240	350	29	60.32	111.0	160	29	4-26	220
	40	260	380	36	68.28	124.0	180	32	4-29.5	280
	50	300	400	45	95.25	165.0	215	38.5	8-26	300
	65	320	440	58	107.95	190.5	245	41.5	8-29.5	350
	80	360	500	72	123.82	190.5	240	38.5	8-26	360
25MPa 35MPa	100	450	540	90	149.22	235.0	290	44.5	8-32.5	400
	150	560	620	135	211.12	317.5	380	56	12-32.5	450
	25	220	345	25	50.8	101.5	150	29	4-26	200
	32	250	350	29	60.32	111.0	160	29	4-26	220
	40	270	380	36	68.28	124.0	180	32	4-29.5	280
	50	310	400	45	95.25	165.0	215	38.5	8-26	300
	65	340	440	58	107.95	190.5	245	41.5	8-29.5	350
	80	380	500	72	136.25	203.0	265	48	8-32.5	360
100	480	540	90	161.92	241.5	310	54	8-35.5	400	
150	580	620	135	211.12	317.5	395	83	12-39	450	

主要外形尺寸 Main Outline Dimensions (GPZ63Y-16-25)

单位Unit:mm

公称压力 PN	公称口径 DN	L	H	D ₀	D ₁	L ₀
16MPa 22MPa	25	160	345	25	42	200
	32	180	350	29	54	220
	40	210	380	36	60	280
	50	230	400	45	73	300
	65	250	440	58	89	350
	80	270	500	72	108	360
	100	320	540	90	133	400
25MPa 35MPa	150	500	620	135	192	450
	25	160	345	25	42	200
	32	180	350	29	56	220
	40	210	380	36	64	280
	50	230	400	45	76	300
	65	250	440	58	89	350
	80	270	500	72	114	360
	100	320	540	90	146	400
150	500	620	135	192	450	

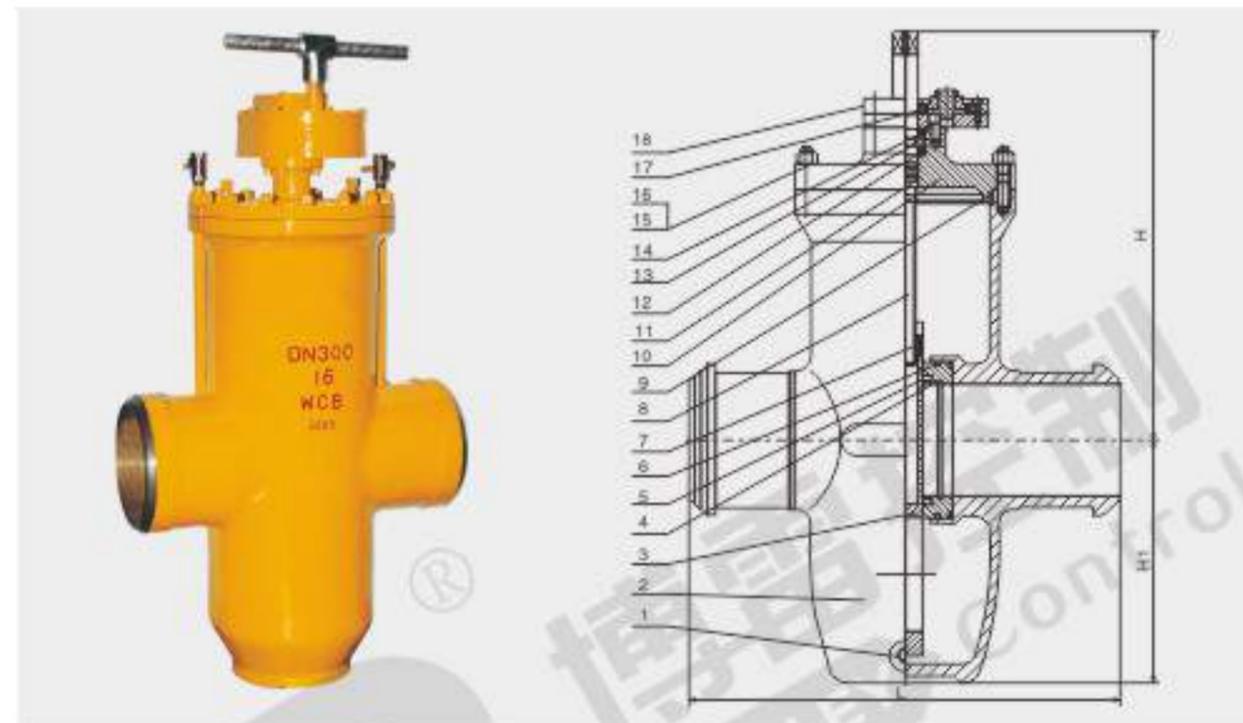

主要零件材料 Main Part Material

序号 NO.	零件名称 Part name	材料 Material
		GB
1	排污堵头 Drain plug	25
2	阀体 Body	WCB
3	闸板 Disc	16Mn+ENP
4	阀座 Seat	16Mn
5	O形圈 O-ring	NBR
6	密封圈 Sealing ring	PTFE
7	阀杆螺母 Stem nut	ZQAL9-4
8	阀杆 Stem	1Cr13
9	垫片 Gasket	柔性石墨 Flexible graphite+1Cr18Ni9
10	阀盖 Bonnet	WCB
11	双头螺柱 Double-headed stud	35CrMo
12	螺母 Nut	45
13	O形圈 O-ring	NBR
14	轴承 Bearing	组件 Component
15	对开环 Split ring	45
16	内六角螺钉 Socket head cap screw	35
17	键 Key	45
18	开关指示器 Switch indicator	PTFE+1Cr18Ni9
19	手轮 Handwheel	Q235A
20	螺母 Nut	35

执行标准 Perform Standard

设计依据 Design basis	GB	API
设计标准 Design criteria	JB/T5298	API 6D ASME B16.34
结构长度 Structure length	法兰 Flange	GB/T 12221 JB/T5298
	焊接 Welding	GB/T15188.1
连接法兰 Connecting flange	GB/T9113 JB/T 79	ASME B16.5 MSS SP44
对焊端 Butt welding end	GB/T 12224	ASME B16.25
试验和检验 Test and inspection	JB/T 9092	API6D API598

注：阀门连接法兰尺寸可根据用户要求设计制造。
 Note: the valve connecting flange size can be designed and manufactured according to user requirements

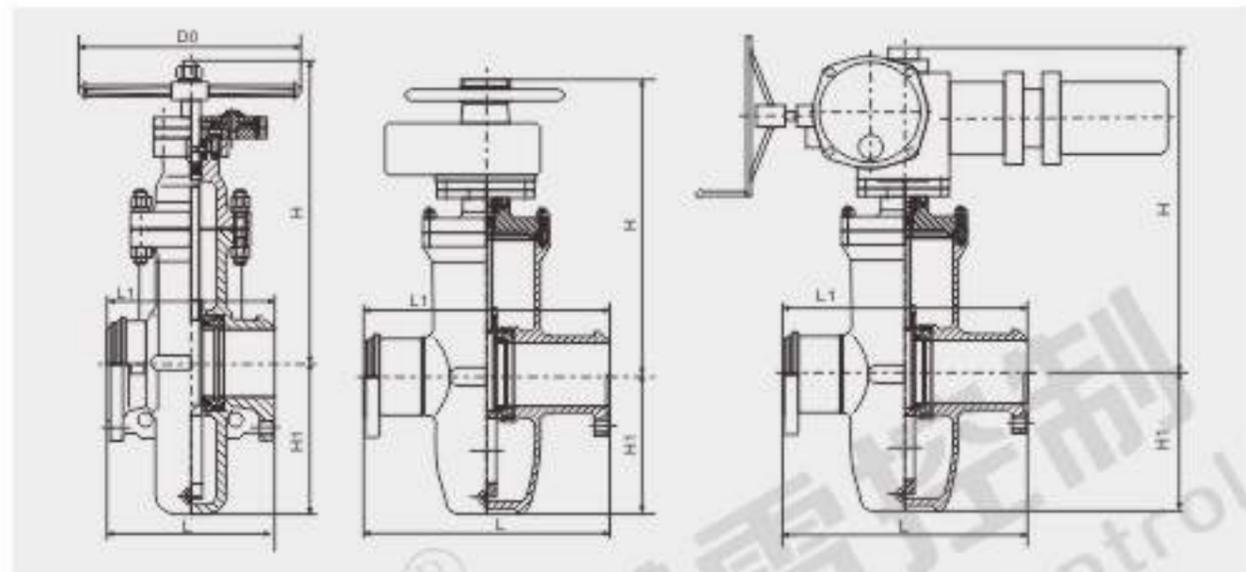

主要零件材料 Main Part Material

序号 NO.	零件名称 Part name	材料 Material
		GB
1	排污堵头 Drain plug	25
2	阀体 Body	WCB
3	闸板 Disc	16Mn+ENP
4	密封圈 Sealing ring	PTFE
5	阀座 Seat	16Mn
6	O形圈 O-ring	NBR
7	阀杆螺母 Stem nut	ZQAL9-4
8	阀杆 Stem	1Cr13
9	O形圈 O-ring	NBR
10	阀盖 Bonnet	WCB
11	O形圈 O-ring	NBR
12	轴承 Bearing	组件 Component
13	对开环 Split ring	45
14	内六角螺钉 Socket head cap screw	45
15	双头螺柱 Double-headed stud	35CrMo
16	螺母 Nut	NBR-18
17	键 Key	45
18	开关指示器 Switch indicator	组件 Component

执行标准 Perform Standard

设计依据 Design basis	GB	API
设计标准 Design criteria	JB/T5298	API 6D ASME B16.34
结构长度 Structure length	法兰 Flange	GB/T 12221 JB/T5298
	焊接 Welding	GB/T15188.1
连接法兰 Connecting flange	GB/T9113 JB/T 79	ASME B16.5 MSS SP44
对焊端 Butt welding end	GB/T 12224	ASME B16.25
试验和检验 Test and inspection	JB/T 9092	API6D API598

注：阀门连接法兰尺寸可根据用户要求设计制造。
 Note: the valve connecting flange size can be designed and manufactured according to user requirements


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

型号: (K)Z4(5, 9s)4(6)7F

PN0.4, 0.6, 1.0, 1.6, 2.5MPa PN2.0MPa(Class150)

DN (mm)	NPS (in)	法兰 Flange		手动 Manual			齿动 Tooth movement			齿动 装置 Tooth movement device	电动 Electric			电动装置 Electric actuator
		L	L ₁	H	H ₁	D ₀	H	H ₁	D ₀		H	H ₁	D ₀	
25	1	165	-	85	228	180	-	-	-	-	-	-	-	-
32	1 ¹ / ₄	165	-	103	231	180	-	-	-	-	-	-	-	-
40	1 ¹ / ₂	178	-	115	240	250	-	-	-	-	-	-	-	-
50	2	178	216	130	255	250	-	-	-	-	-	-	-	-
65	2 ¹ / ₂	190	241	160	355	300	-	-	-	-	-	-	-	-
80	3	203	283	180	360	300	-	-	-	-	-	-	-	-
100	4	229	305	214	400	300	-	-	-	-	-	-	-	-
125	5	254	381	257	460	350	-	-	-	-	-	-	-	-
150	6	267	403	300	500	350	-	-	-	-	-	-	-	-
200	8	292	419	388	570	350	-	-	-	-	-	-	-	-
250	10	330	457	475	680	400	475	700	350	0型	475	710	500	SMC-03
300	12	356	502	547	750	450	547	870	350	0型	547	880	305	SMC-00
350	14	381	572	625	875	450	625	995	450	1型	625	1045	305	SMC-00
400	16	406	610	712	1000	500	712	1120	45	1型	712	1130	305	SMC-00
450	18	432	660	785	1130	500	785	1280	450	1型	785	1360	305	SMC-0
500	20	457	711	880	1200	600	880	1350	450	1型	880	1430	305	SMC-0
600	24	508	813	1045	1420	800	1045	1570	500	2型	1045	1650	305	SMC-1
700	28	610	914	1190	1650	800	1190	1800	500	2型	1190	1910	305	SMC-1
800	32	660	914	1360	1880	1000	1360	2040	500	2型	1360	2140	305	SMC-1
900	36	771	1016	1510	2100	1000	1510	2280	600	3型	1510	2390	458	SMC-2
1000	40	811	-	1715	2300	1200	1715	2480	600	3型	1715	2590	458	SMC-2

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

型号: (K)Z4(5, 9s)4(6)7F

PN4.0MPa PN5.0MPa(Class300)

DN (mm)	NPS (in)	法兰 Flange		对焊 Butt welding L ₁	手动 Manual			齿动 Tooth movement			齿动 装置 Tooth movement device	电动 Electric			电动装置 Electric actuator
		L(BG)	L(API)		H	H ₁	D ₀	H	H ₁	D ₀		H	H ₁	D ₀	
25	1	165	165	165	85	238	180	-	-	-	-	-	-	-	
32	1 ¹ / ₄	178	178	178	103	238	180	-	-	-	-	-	-	-	
40	1 ¹ / ₂	190	190	190	115	245	250	-	-	-	-	-	-	-	
50	2	216	216	216	130	265	250	-	-	-	-	-	-	-	
65	2 ¹ / ₂	241	241	241	160	365	300	-	-	-	-	-	-	-	
80	3	283	283	283	180	375	300	-	-	-	-	-	-	-	
100	4	305	305	305	214	420	300	-	-	-	-	-	-	-	
125	5	381	381	381	257	480	350	-	-	-	-	-	-	-	
150	6	403	403	403	300	520	350	-	-	-	-	-	-	-	
200	8	419	419	419	388	590	350	388	710	350	0型	388	720	305	SMC-00
250	10	457	457	457	475	700	400	475	820	350	0型	475	830	305	SMC-00
300	12	502	502	502	547	780	450	547	900	450	1型	547	910	305	SMC-0
350	14	572	762	762	625	895	450	625	1015	450	1型	625	1095	305	SMC-0
400	16	610	838	838	712	1020	550	712	1150	450	1型	712	1230	305	SMC-0
450	18	660	914	914	785	1150	700	785	1300	500	2型	785	1400	305	SMC-1
500	20	711	991	991	880	1220	800	880	1370	500	2型	880	1470	305	SMC-1
600	24	787	1143	1143	1045	1440	1000	1045	1620	600	3型	1045	1730	305	SMC-1

型号: (K)Z4(5, 9s)4(6)7F

PN6.4MPa (Class400)

DN (mm)	NPS (in)	法兰 Flange		对焊 Butt welding L ₁	手动 Manual			齿动 Tooth movement			齿动 装置 Tooth movement device	电动 Electric			电动装置 Electric actuator
		L	L ₁		H	H ₁	D ₀	H	H ₁	D ₀		H	H ₁	D ₀	
50	2	216	250	158	265	300	-	-	-	-	-	-	-	-	
65	2 ¹ / ₂	241	280	190	365	300	-	-	-	-	-	-	-	-	
80	3	283	310	225	375	350	-	-	-	-	-	-	-	-	
100	4	305	350	255	420	350	-	-	-	-	-	-	-	-	
125	5	381	400	275	480	400	-	-	-	-	-	-	-	-	
150	6	403	450	330	520	400	-	-	-	-	-	-	-	-	
200	8	419	550	410	590	500	388	710	350	0型	388	720	305	SMC-0	
250	10	457	650	490	700	500	475	820	350	0型	475	830	305	SMC-0	
300	12	502	750	570	780	600	547	900	450	1型	547	910	305	SMC-0	
350	14	762	850	625	910	600	625	1015	450	1型	625	1095	305	SMC-1	
400	16	838	950	735	1020	700	712	1150	450	1型	712	1230	305	SMC-1	


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	L	L1	D	D1	D2	b	Z-φd	H	D0	WT(kg)
BZ41H-16C			BZ41W-16P			BZ41W-16R				
40	200	70	160	125	100	18	4-φ18	310	200	49
50	250	80	180	145	120	18	4-φ18	358	240	54
65	270	90	195	160	135	20	8-φ18	373	240	81
80	280	100	215	180	155	20	8-φ18	435	280	100
100	300	100	245	210	185	22	8-φ18	500	300	120
125	325	110	280	240	210	24	8-φ23	614	320	210
150	350	120	335	295	265	26	12-φ23	674	360	260
200	400	130	405	355	320	30	12-φ25	818	400	300
250	450	140	460	410	375	30	12-φ25	969	450	400
300	500	160	520	470	435	34	16-φ25	1145	560	490
BZ41H-25			BZ41W-25P			BZ41W-25R				
40	200	70	160	125	100	20	4-φ18	358	240	52
50	250	80	180	145	120	22	8-φ18	373	240	56
65	270	90	195	160	135	22	8-φ18	435	280	86
80	280	100	230	190	160	24	8-φ18	500	300	105
100	300	100	270	220	188	28	8-φ15	614	320	170
125	325	110	300	250	218	30	8-φ25	674	360	245
150	350	120	360	310	278	34	12-φ25	818	400	270
200	400	130	425	370	332	36	12-φ30	969	450	380
250	450	140	485	430	390	40	12-φ30	1145	560	535
300	500	160	550	490	448	44	16-φ34	1145	640	546

特点说明 Characteristics That

本阀适用于高硬度的颗粒例如(灰渣水)等介质,或有软颗粒但有腐蚀性介质的管道上作启闭之用。公称压力1.0MPa,适应温 $\leq 150^{\circ}\text{C}$ 。密封面采用硬密封与介质接触的部分均为结构陶瓷材料,其化学稳定性及硬度极高。因此,本阀具有极高的耐磨损、耐腐蚀、耐冲刷性能,且隔热性好、热膨胀小。

本阀阀口全流通无积物,耐磨性能强,密封性能好,启动负荷小卡灰及堵灰现象少。

本阀采用高精密陶瓷密封,机械强度高耐磨性能好使用寿命长。结构紧凑可任意角度安装。

This valve is suitable for high hardness of particles (such as ash water) medium, for example, or a soft particles and corrosive medium in the pipeline for opening and closing. Nominal pressure 1.0MPa, adapt to the temperature of $\leq 150^{\circ}\text{C}$ or less. Sealing surface adopts hard seal parts are in contact with the medium and structure ceramic materials, the chemical stability and high hardness. Therefore, this valve has a very high wear resistance, corrosion resistance, erosion resistance, good insulating and stays, small thermal expansion.

This valve mouth full circulation without blockage, wear-resisting performance is strong, good sealing performance, small startup load card less ash and soot phenomenon.

This valve USES high-grade ceramic seal Ceng Ren structure, high mechanical strength good wear resistance long service life. Install compact structure can be arbitrary Angle.

主要零部件材料 Main Parts Material

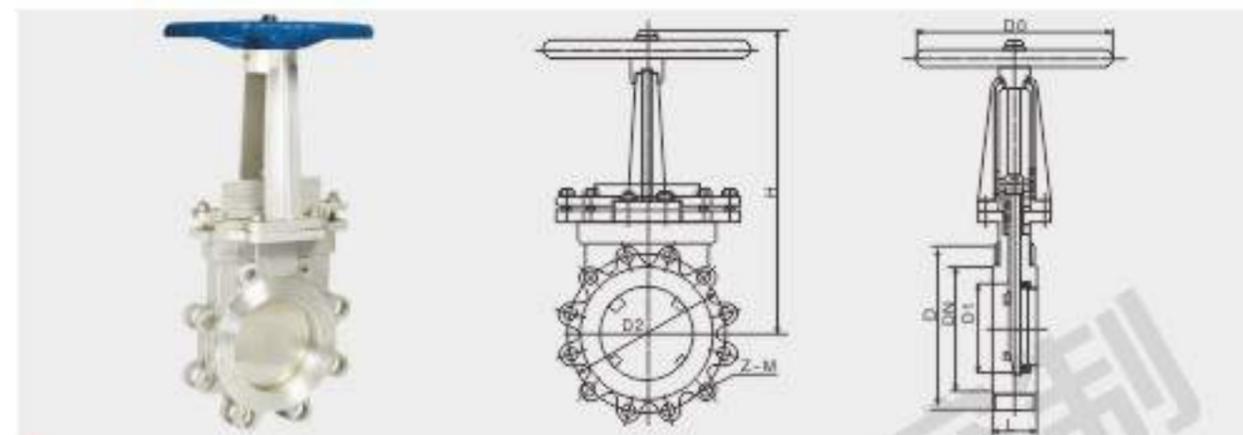
序号 No	名称 Name of the	材料 Material	序号 Serial number	名称 Name of the	材料 Material
1	阀体 Body	WCB	9	阀杆 Stem	2Cr13
2	阀座 Seat	工程陶瓷 Engineering ceramics	10	支架 Stents	WCB
3	阀板 Plate	304+工程陶瓷 304+engineering ceramics	11	阀杆螺母 Stem nut	T
4	填料 Packing	PTFE	12	轴承 Bearing	
5	双头螺栓 Double-headed stud	35	13	手轮 Handwheel	H1200
6	垫圈 Gasket	10	14	轴承压盖 Bearing gland	35
7	螺母 Nut	25	15	手轮锁紧螺母 Hand wheel lock nut	Q235A
8	填料压盖 Packing gland	WCB			

应用范围 Range Of Application

设计与制造 Design and manufacture		JB/T 8691
连接端尺寸 End connection size	结构长度 Structure length	GB/T 15188.2
	法兰尺寸 Flange size	JB/T 79.1
检验与试验 Inspection and test		JB/T 8691
材料 Material	碳钢 Carbon steel	GB/T 12229
	不锈钢 Stainless steel	GB/T 12230
标识 Logo		GB/T 12220
供货 Supply		GB/T 12252


主要外形和连接尺寸 Main Form And The Connection Size

DN	PN(10)	L	D	D1	D2	H	N-M	D0	b
50	10	43	165	125	100	285	4-M16	180	12
65		46	185	145	120	295	4-M16	180	12
80		46	200	160	135	315	8-M16	220	12
100		52	220	180	155	365	8-M16	220	12
125		56	250	210	185	400	8-M16	230	12
150		56	285	240	210	475	8-M20	280	14
200		60	340	295	265	540	12-M20	360	14
250		68	405	355	320	630	12-M24	360	18
300		78	460	410	375	780	12-M24	400	16
350		78	520	470	435	885	16-M24	400	16
400		102	580	525	485	990	16-M27	400	18
450		114	640	585	545	1100	20-M27	530	18
500		127	715	650	608	1200	20-M30	530	18
600		154	840	770	718	1450	20-M33	600	20


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D1	D2	Z-M	H	D0	WT(kg)
Z73W-10C Z73H-10C Z73X-10P Z573W-10C Z573H-10C Z573W-10P Z673W-10C Z673H-10C Z673W-10P Z973W-10C Z973H-10C Z973W-10P								
50	48	160	125	100	4-M16	285	180	8
65	48	180	145	120	4-M16	298	180	10
80	50	195	160	135	4-M16	315	220	12
100	50	215	180	155	8-M16	365	220	14
125	57	245	210	185	8-M16	400	230	22
150	57	280	240	210	8-M20	475	280	29
200	70	335	295	265	8-M20	540	360	38
250	70	390	350	320	12-M20	630	360	66
300	76	440	400	368	12-M20	780	400	100
350	76	500	460	428	16-M20	885	400	119
400	89	565	515	482	16-M22	990	400	195
450	89	615	565	532	20-M22	1100	530	285
500	114	670	620	585	20-M22	1200	530	389
600	114	780	725	685	20-M27	1450	600	529
700	127	895	840	800	24-M27	1700	600	790
800	127	1010	950	905	24-M30	2000	680	850
Z73H-16C Z73W-16P Z73Y-16P Z573H-16C Z573W-16P Z573Y-16P Z673H-16C Z673W-16P Z673Y-16P Z973H-16C Z973W-16P Z973Y-16P								
50	48	160	125	100	4-M16	285	180	8.5
65	48	180	145	120	4-M16	295	180	10.7
80	50	195	160	135	8-M16	315	220	13
100	50	215	180	155	8-M16	365	220	15
125	57	245	210	185	8-M16	400	230	23.5
150	57	280	240	210	8-M20	475	280	31
200	70	335	295	265	12-M20	540	360	40.7
250	70	405	355	320	12-M22	630	360	70
300	76	460	410	375	12-M22	780	400	107
350	76	520	470	435	16-M22	885	400	129
400	89	580	525	485	16-M27	990	400	215
450	89	640	585	545	20-M27	1100	530	305
500	114	705	650	608	20-M30	1200	530	410
600	114	840	770	718	20-M36	1450	600	550
700	127	910	840	788	24-M36	1700	600	820
800	127	1020	950	898	24-M36	2000	680	950


主要外形尺寸 Main Outline Dimensions

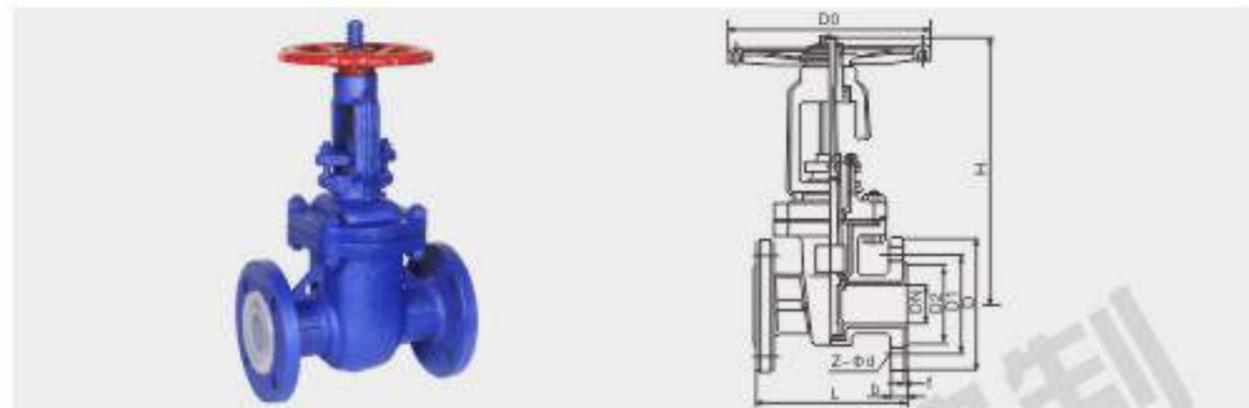
单位Unit:mm

公称通径 DN	L	D	D ₁	D ₂	b	Z-φd	H	D ₀	WT(kg)
DZ40Y-16P/R/PL/RL DZ640Y-16P/R/PL/RL DZ941Y-16P/R/PL/RL									
20	150	105	75	55	14	4-φ14	320	140	6
25	160	115	85	65	14	4-φ14	350	160	7
32	180	135	100	78	16	4-φ18	385	180	9
40	200	145	110	85	16	4-φ18	420	200	15
50	250	160	125	100	16	4-φ18	540	240	30
65	265	180	145	120	18	4-φ18	610	240	34
80	280	195	160	135	20	8-φ18	690	280	45
100	300	215	180	155	20	8-φ18	780	300	64
125	325	245	210	185	22	8-φ18	930	320	110
150	350	280	240	210	24	8-φ23	980	360	135
200	400	335	295	265	26	12-φ23	1180	400	195
250	450	405	355	320	30	12-φ25	1390	450	275
300	500	460	410	375	30	12-φ25	1620	560	380
350	550	520	470	435	34	16-φ25	1810	640	594
400	600	580	525	485	36	16-φ30	1970	640	725
DZ40Y-25P/R/PL/RL DZ640Y-25P/R/PL/RL DZ941Y-25P/R/PL/RL									
20	150	105	75	55	16	4-φ14	320	140	6
25	160	115	85	65	16	4-φ14	350	160	8
32	180	135	100	78	18	4-φ18	385	180	10
40	200	145	110	85	18	4-φ18	420	200	18
50	250	160	125	100	20	4-φ18	540	240	30
65	265	180	145	120	22	4-φ18	610	240	35
80	280	195	160	135	22	8-φ18	690	280	47
100	300	230	190	160	24	8-φ23	780	300	65
125	325	270	220	188	28	8-φ25	930	320	110
150	350	300	250	218	30	8-φ25	980	360	135
200	400	360	310	278	34	12-φ25	1180	400	215
250	450	425	370	332	36	12-φ30	1390	450	295
300	500	485	430	390	40	16-φ30	1620	560	400
350	550	550	490	448	44	16-φ34	1810	640	630
400	600	610	550	505	48	16-φ34	1990	640	910

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D ₁	D ₂	D ₆	b	Z-φd	H	D ₀	WT(kg)
DZ40Y-40P/R/PL/RL										
20	150	105	75	55	51	16	4-φ14	330	140	7
25	160	115	85	65	58	16	4-φ14	360	160	9
32	180	135	100	78	66	18	4-φ18	440	180	11
40	200	145	110	85	76	18	4-φ18	455	200	19
50	250	160	125	100	88	20	4-φ18	575	280	28
65	280	180	145	120	110	22	8-φ18	635	280	35
80	310	195	160	135	121	22	8-φ18	715	320	50
100	350	230	190	160	150	24	8-φ23	815	360	74
125	400	270	220	188	176	28	8-φ25	965	400	115
150	450	300	250	218	204	30	8-φ25	1025	400	135
200	550	375	320	282	260	36	12-φ30	1225	450	215
250	650	445	385	345	313	42	12-φ34	1440	560	184
300	750	510	450	408	364	46	16-φ34	1665	640	405
350	850	570	510	465	422	52	16-φ34	1880	640	600
400	950	655	585	535	474	58	16-φ41	2050	720	750
DZ40Y-64P/R/PL/RL										
20	190	125	90	68	51	20	4-φ18	330	100	8
25	210	135	100	78	58	22	4-φ18	360	180	13
32	230	150	110	82	66	24	4-φ23	410	180	24
40	240	165	125	95	76	24	4-φ23	480	200	32
50	250	175	135	105	88	26	4-φ23	585	200	39
65	280	200	160	160	110	28	8-φ23	690	250	45
80	310	210	170	140	121	30	8-φ23	745	300	60
100	350	250	200	168	150	32	8-φ25	885	300	90
125	400	295	240	202	176	36	8-φ30	985	350	140
150	450	340	280	240	204	38	8-φ34	1050	350	205
200	550	405	345	300	260	44	12-φ34	1240	400	330
250	650	470	400	352	313	48	12-φ41	1460	560	488
300	750	530	460	412	364	54	16-φ41	1690	640	600
DZ40Y-100P/R/PL/RL										
25	210	135	100	78	58	24	4-φ18	365	200	18
32	230	150	110	82	66	24	4-φ23	420	240	27
50	250	195	145	112	88	28	4-φ25	630	360	45
65	280	220	170	138	100	32	8-φ25	700	400	60
80	310	230	180	148	121	34	8-φ25	760	400	76
100	350	265	210	172	150	38	8-φ23	900	400	128


技术标准 Technical Standard

设计与制造 (Design and manufacturing): GB/T12234
 结构长度 (Structure length): GB/T12221
 法兰尺寸 (Flange size): GB/T 9113.1
 结构形式 (Structure): 41楔式明杆, 45楔式暗杆
 41 wedge type rising stem, 45 wedge type dark bar

驱动方式 (Driving way): 手动、气动、电动 manual, pneumatic, electric
 公称压力 (Nominal pressure): 0.6, 1.0, 1.6, 2.5MPa
 压力试验 (The pressure test): GB/T 13927

主要零件材料 Main Part Material

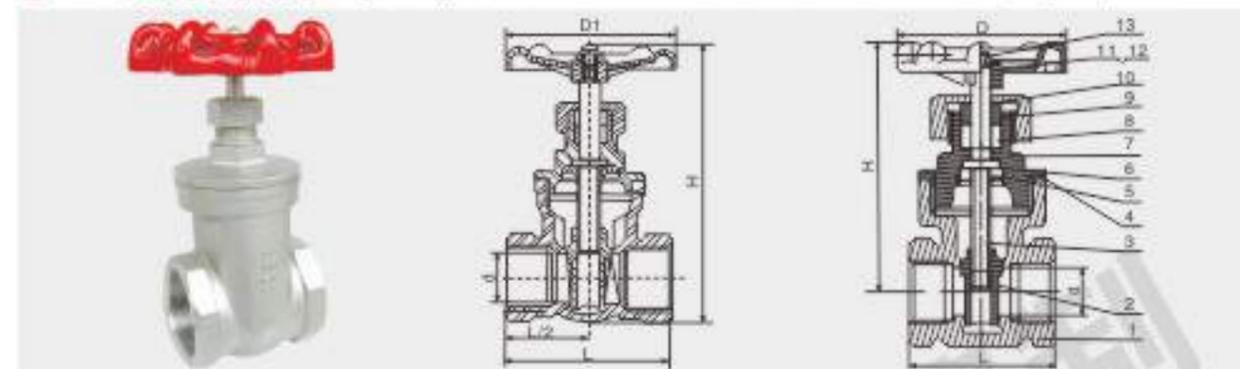
阀体、阀盖、阀瓣 Body, Bonnet, Disc	QT400	WCB	CF8	CF8M	CF3	CF3M	螺栓 Bolt	35	35	1Cr17Ni2	1Cr17Ni2	1Cr18Ni9Ti	1Cr18Ni9Ti
内衬材料 Lining materials	FEP(F44)、PTFE(F4)、PFA、PO、PE						螺母 Nut	45	45	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9	0Cr18Ni9

主要外形尺寸 Main Outline Dimensions

单位 Unit: mm

公称口径 DN(mm)	L	D	D1	D2	f	b	Z-φd	D0	H	WT(kg)	
PN1.0MPa	15	108	95	65	45	3	15	4-14	120	175	6
	20	117	105	75	55	3	17	4-14	120	195	8
	25	127	115	85	65	3	17	4-14	160	230	10
	32	140	140	100	75	3	19	4-18	160	245	11
	40	165	150	110	85	3	19	4-18	180	285	13
	50	178	165	125	100	3	21	4-18	200	300	16
	65	190	185	145	120	3	21	4-18	250	340	20
	80	203	200	160	135	3	21	8-18	280	410	30
	100	229	220	180	155	3	23	8-18	300	465	40
	125	325	250	210	185	4	24	8-18	320	620	60
150	350	285	240	210	4	26	8-23	350	710	85	
200	400	340	295	265	4	26	8-23	450	780	120	
250	450	395	350	320	4	28	12-23	500	1000	170	
PN1.6MPa	15	108	95	65	45	3	15	4-14	120	175	6
	20	117	105	75	55	3	17	4-14	120	195	8
	25	127	115	85	65	3	17	4-14	160	230	10
	32	140	140	100	75	3	19	4-18	160	245	11
	40	165	150	110	85	3	19	4-18	180	285	13
	50	178	165	125	100	3	21	4-18	200	300	16
	65	190	185	145	120	3	21	4-18	250	340	20
	80	203	200	160	135	3	22	4-18	280	410	30
	100	229	220	180	155	3	23	8-18	300	465	40
	125	325	250	210	185	4	24	8-18	320	620	60
150	350	285	240	210	4	26	8-23	350	710	85	
200	400	340	295	265	4	26	12-23	450	780	130	
250	450	405	355	320	4	28	12-26	500	1000	175	
PN2.5MPa	15	108	95	65	45	3	15	4-14	120	175	6
	20	117	105	75	55	3	17	4-14	120	195	10
	25	127	115	85	65	3	17	4-14	160	230	11.5
	32	140	140	100	75	3	19	4-18	160	245	13
	40	165	150	110	85	3	19	4-18	180	285	14
	50	178	165	125	100	3	21	4-18	200	300	20
	65	190	185	145	120	3	23	8-18	250	340	25
	80	203	200	160	135	3	25	8-18	280	410	35
	100	229	220	180	155	3	25	8-22	300	465	45
	125	325	270	220	185	4	26	8-26	320	620	65
150	350	300	250	210	4	30	8-26	350	710	88	
200	400	360	310	275	4	32	12-26	450	780	125	
250	450	425	370	330	4	34	12-30	500	1000	190	

机械标准(JB78)时为4孔,表中尺寸标准为GB/T9113.1-2000标准,订货请说明。
 Mechanical standard (JB78) for 4 holes, table size standard for GB/T9113.1-2000 standard, must explain the order.

Z15W美标丝扣闸阀 (304、316) 200Lb Z15W Beautiful Mark Silk Mouth Gate Valves (304, 316) 200 Lb

材料目录 Material List

零件名称 Part Name	材质 Material
阀体 Body	CF8/CF8M
阀瓣 Stem	CF8/CF8M
阀杆 Stem	316
密封垫 Gasket	PTFE
弹性挡圈 Baffle washer	304
挡圈 Washer	304
阀盖 Cap	CF8/CF8M
填料 Stem packing	PTFE
压盖 Gland ring	CF8/CF8M
螺母 Nut	304
手轮 Handwheel	Aluminum alloy
铭牌 Name plate	Aluminum alloy
螺母 Nut	304

主要外形尺寸 Main Outline Dimensions 单位 Unit: mm

SIZE	d	L	H	D1	Cv FACTOR
1/2"	15	55	92	70	17.6
3/4"	20	60	99	70	32.0
1"	25	66	113	80	54.0
1 1/4"	32	76	128	80	97.0
1 1/2"	40	86	147	90	135.0
2"	50	96	168	100	230.0

国标Z15W-16P不锈钢内螺纹暗杆式闸阀 GB Z15W-16 P Stainless Steel Threaded Dark Rod Type Gate Valves

主要外形尺寸 Main Outline Dimensions

单位 Unit: mm

公称口径 DN/mm	管螺纹 G/in	L	L1	S	H	D1
15	G1/2	60	12	32	108	55
20	G3/4	65	13	36	120	55
25	G1	75	15	46	135	65
32	G1 1/4	85	17	55	153	65
40	G1 1/2	95	19	65	177	80
50	G2	110	22	80	214	100
65	G2 1/2	120	25	95	237	120



截止阀系列
Globe Valve Series

□ 产品结构特征

系列截止阀适用于公称压力PN1.6-42.0MPa(CL150-CL2500), 工作温度-46-550℃的石油、化工、制药、化肥、电力行业等各种工况的管路上, 切断或接通管路介质。

其主要结构特点有:

- 1、产品结构合理、密封可靠、性能优良、造型美观。
- 2、密封面堆焊Co基硬质合金, 耐磨、耐蚀、抗擦伤性能好、使用寿命长。
- 3、阀杆经调质及表面氮化处理, 有良好的抗腐蚀性及抗擦伤性。
- 4、阀门设有倒密封结构, 密封可靠。
- 5、零件材质及法兰尺寸可根据实际工况或用户要求合理选配, 满足各种工程需要。

□ PRODUCTS DESIGN FEATURES

Series of globe valves are used to cut or connect the pipe media under pressures between PN1.6-42.0MPa(CL150-CL2500). Working temperatures between -46-550℃, in oil industry, chemical industry, pharmaceuticals, fertilizer, and power industry. Main structural features:

1. Rational structure, reliable sealing, excellent performance, pretty appearance.
2. Co-radix alloy welded sealing surface, anti-wearing, erosion-proof abrasion-proof and longer use life.
3. The surface and the adjusting media of the valve shaft are nitrogenized so that it is erosion and abrasion resistant.
4. There is backward sealing structure in the valve, so the sealing is reliable.
5. The material of the fillings and the flange sizes can be chose and matched according to the applications and the requirements of the users. That can satisfies all kinds of working requirements.


产品执行标准 Production Enforce Standard

产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange and	试验与检验 Test & check	压力-温度 Pressure-temp
	GB/T 12235	GB/T 12221	JB/T 79	GB/T 9092	GB/T 12224

产品性能规范 Chief Property And Specification

1. 试验压力 Test pressure

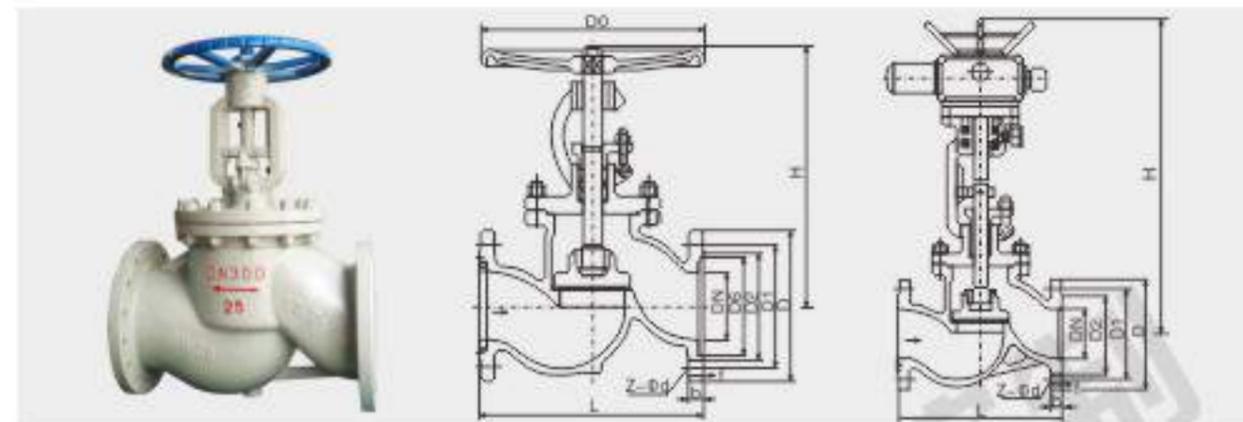
公称压力PN(MPa) Nominal Pressure	1.6	2.5	4.0	6.4	10.0	16.0
壳体强度试验 Shell strength test	2.4	3.8	6.0	9.6	15	24
上密封试验 Back seat test	1.8	2.8	4.4	7.0	11	18
密封试验 Seat test	1.8	2.8	4.4	7.0	11	18

2. 适用介质及适用温度 Applicable medium & Applicable temperature

产品类型 Product type	适用介质 Applicable medium	适用温度℃ Applicable temperature
J41W-C型 J941W-C型	水、油品、蒸汽 Water, oil, steam	≤425 ≤450
J41W-P型 J941W-P型	硝酸类 Nitric acid	≤200
J41W-R型	醋酸类 Acetic acid	≤200
J41Y-I型 J941Y-I型	水、油品、蒸汽 Water, oil, steam	≤550

主要零件材料 Main Part Material

产品类型 Product type	零件名称 Part name								
	阀体、阀盖 Body bonnet	阀杆 Stem	阀瓣 Disc	密封面 Sealing face	阀杆螺母 Yoke nut	填料 Packing	紧固件 Fastener	手轮 Hand wheel	
J41W-C型 J941W-C型	25.WCB	铬不锈钢 Cr. Stainless steel	2Cr13 25	H-不锈钢 Y-钴基 H-Stainless steel Y-Co-based carbide alloy steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	优质碳钢 High-grade carbon steel	可锻铸铁 Foraeabse cast-iron	
J41W-P型 J941W-P型	铬镍钛钢 Cr, Ni, Ti steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	不锈钢 Stainless steel	可锻铸铁 Foraeabse cast-iron				
J41W-R型	铬镍钼钛钢 Cr, Ni, Mo, Ti steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	不锈钢 Stainless steel	可锻铸铁 Foraeabse cast-iron				
J41Y-I型 J941Y-I型	铬钼钢 Cr, Mo, steel	铬钼钢 Cr, Mo, steel	合金钢 Alloy steel	钴基硬质合金钢 Co-based carbide alloy steel	铜合金 Copper alloy	柔性石墨 Flexible graphite	合金钢 Alloy steel	可锻铸铁 Foraeabse cast-iron	


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	L	D	D ₁	D ₂	b	f	Z-φd	H	D _g	WT (kg)
J41 ^H -16C J41W-16P J41W-16R J41Y-16I										
10	130	90	60	40	14	2	4-14	198	120	4.7
15	130	95	65	45	14	2	4-14	218	120	5.2
20	150	105	75	55	14	2	4-14	258	140	7.1
25	160	115	85	65	14	2	4-14	275	160	7.4
32	180	135	100	78	15	2	4-18	280	180	8.5
40	200	145	110	85	16	2	4-18	330	200	12.5
50	230	160	125	100	16	3	4-18	350	240	20
65	290	180	145	120	18	3	4-18	400	280	25
80	310	195	160	135	20	3	8-18	355	280	35
100	350	215	180	155	20	3	8-18	415	320	50
125	400	245	210	185	22	3	8-18	460	360	75
150	480	280	240	210	24	3	8-23	510	400	100
200	600	335	295	205	26	3	12-23	710	400	210
250	650	405	355	320	30	3	12-23	789	450	446
300	750	460	410	375	30	3	12-23	925	500	648

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	J41Y-25C J41W-25P J41W-25R J41Y-25I J941 ^C -25C J941W-25P J941W-25R J941Y-25I											WT (kg)	
	L	D	D1	D2	b	f	Z-Φd	H _≠	H _电	D0	电动装置 Electric device	手动	电动
												Manual	Electric
10	130	90	60	40	16	2	4-14	198	-	120	-	4.9	-
15	130	95	65	45	16	2	4-14	218	-	120	-	5.4	-
20	150	105	75	55	16	2	4-14	258	-	140	-	7	-
25	160	115	85	65	16	2	4-14	275	-	160	-	7.4	-
32	180	135	100	78	18	2	4-18	280	-	180	-	8.5	-
40	200	145	110	85	18	3	4-18	330	-	200	-	12.5	-
50	230	160	125	100	20	3	4-18	350	645	240	DZW101	16	50
65	290	180	145	120	22	3	8-18	400	690	280	DZW101	25	62
80	310	195	160	135	22	3	8-18	355	715	280	DZW151	30	67
100	350	230	190	160	24	3	8-23	415	770	320	DZW20	34.5	73
125	400	270	220	188	28	3	8-25	460	780	360	DZW30	89	127
150	480	300	250	218	30	3	8-25	510	875	400	DZW45	98	215
200	600	360	310	278	34	3	12-25	710	967	400	DZW60	180	322
250	650	425	370	332	36	3	12-30	789	-	450	-	446	-
300	750	485	430	390	40	4	12-30	925	-	500	-	654	-

公称通径 DN	J41 ^C -40C J41W-40P J41W-40R J41Y-40I J941 ^C -40C J941W-40P J941W-40R J941Y-40I											WT (kg)		
	L	D	D1	D2	b	f	f2	Z-Φd	H _≠	H _电	D0	电动装置 Electric device	手动	电动
													Manual	Electric
10	130	90	60	40	16	2	4	4-14	198	-	120	-	4.9	-
15	130	95	65	45	16	2	4	4-14	238	-	120	-	5.4	-
20	150	105	75	55	16	2	4	4-14	275	-	140	-	7	-
25	160	115	85	65	16	2	4	4-14	285	-	160	-	8.8	-
32	180	135	100	78	18	2	4	4-18	302	-	180	-	11.8	-
40	200	145	110	85	18	3	4	4-18	355	-	200	-	16.5	-
50	230	160	125	100	20	3	4	4-18	370	645	240	DZW101	24	61
65	290	180	145	120	22	3	4	8-18	408	690	280	DZW101	33	75
80	310	195	160	135	22	3	4	8-18	436	715	320	DZW201	44	84
100	350	230	190	160	24	3	4.5	8-23	480	770	360	DZW301	60	101
125	400	270	220	188	28	3	4.5	8-25	558	782	400	DZW45	89	207
150	480	300	250	218	30	3	4.5	8-25	611	875	400	DZW60	98	226
200	600	375	320	282	38	3	4.5	12-30	720	1160	400	DZW901	190	339

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D1	D2	b	f	f2	Z-Φd	H _≠	H _电	D0	电动装置 Electric device	WT (kg)	
													手动	电动
													Manual	Electric
J41 ^C -64C J41W-64P J41W-64R J41Y-64I J941 ^C -64C J941W-64P J941W-64R J941Y-64I														
10	170	100	70	50	18	2	4	4-14	198	-	120	-	5.7	-
15	170	105	75	55	18	2	4	4-14	195	-	140	-	10	-
20	190	125	90	68	20	2	4	4-18	228	-	160	-	13	-
25	210	135	100	78	22	2	4	4-18	275	-	180	-	14.5	-
32	230	150	110	82	24	2	4	4-23	325	-	200	-	19	-
40	260	165	125	95	24	3	4	4-23	360	-	240	-	25	-
50	300	175	135	105	26	3	4	8-23	410	710	280	DZW10	35	64
65	340	200	160	130	28	3	4	8-23	450	750	320	DZW15	48	77
80	380	210	170	140	30	3	4	8-18	485	785	360	DZW30	56	88
100	430	250	200	168	32	3	4	8-25	537	837	400	DZW45	125	171
125	500	295	240	202	36	3	4	8-30	831	-	400	-	131	-
150	550	340	280	240	38	3	4	8-34	646	-	450	-	157	-
200	650	405	345	300	44	3	4	12-34	813	-	500	-	283	-
J41 ^C -100C J41W-100P J41W-100R J41Y-100I J941 ^C -100C J941W-100P J941W-100R J941Y-100I														
10	170	100	70	50	20	2	4	4-14	198	-	120	-	6	-
15	170	105	75	55	20	2	4	4-14	202	-	140	-	11	-
20	190	125	90	68	22	2	4	4-18	228	-	160	-	13.2	-
25	210	135	100	78	24	2	4	4-18	250	-	180	-	14	-
32	230	150	110	82	24	2	4	4-23	326	-	220	-	15	-
40	260	165	125	95	26	3	4	4-23	359	-	240	-	29	-
50	300	195	145	112	28	3	4	4-25	414	710	280	DZW10	49	82
65	340	220	170	138	32	3	4	8-25	434	750	320	DZW15	65	104
80	380	230	180	148	34	3	4	8-25	547	785	400	DZW30	95	138
100	430	265	210	172	38	3	4.5	8-30	621	837	450	DZW45	115	243
125	500	310	250	210	42	3	4.5	8-34	732	-	450	-	149	-
150	550	350	290	250	46	3	4.5	12-34	840	-	500	-	310	-
200	650	430	360	312	54	3	4.5	12-41	925	-	550	-	590	-
J41 ^C -160C J41W-160P J41W-160R J41Y-160I J941 ^C -160C J941W-160P J941W-160R J941Y-160I														
15	170	110	75	52	24	2	4	4-18	148	-	140	-	12.2	-
20	190	130	90	65	26	2	4	4-23	156	-	160	-	15	-
25	210	140	100	72	28	2	4	4-23	125	-	180	-	17	-
32	230	165	115	85	30	2	4	4-25	200	-	200	-	21.4	-
40	260	175	125	92	32	3	4	4-27	231	-	240	-	32	-
50	300	215	165	132	36	3	4	8-25	262	-	250	-	52	-
65	340	245	190	152	44	3	4	8-30	303	-	320	-	69	-
80	380	260	205	168	46	3	4	8-30	341	-	400	-	98	-
100	430	300	240	200	48	3	4.5	8-34	485	-	450	-	119	-

CL150-300-600
螺栓连接阀盖, 缩径, 明杆支架(OS&Y)
Welded bonnet, reducing port outside screw and yoke (OS&Y)
末端连接为连接法兰或对焊连接, 设计按BS5352
Flang or butt-welded design to BS5352

规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	CL150	L(RF) L1(BW)	-	-	108	117	127	140	165	203
	CL300		-	-	152	178	203	216	229	267
	CL600		-	-	165	190	216	229	241	292
手轮直径(mm)Handwheel diameter	W	-	-	100	100	125	160	160	180	
中心高度(开)(mm)Height	CL150/CL300	H	-	-	180	184	217	224	260	300
	CL600		-	-	164	164	203	224	260	300
流通孔径(mm)Flow port dimension	d	-	-	9	13	17.5	23	30	35	
WT (Kg)	CL150	RF	-	-	3.45	4.00	6.19	9.6	10.5	17
		BW	-	-	2.3	3.6	7.8	8.2	12.0	15.0
	CL300	RF	-	-	3.8	5.1	7.2	12	13.5	19.7
		BW	-	-	2.8	4.0	8.5	9.2	12.6	16.8
	CL600	RF	-	-	5.6	7.8	12.5	17	23.5	38.8
		BW	-	-	3.4	4.7	9.2	10.5	13.3	18.9

注: 如需法兰和阀体一体式锻造的请与销售人员联系。
Note: for flange and body forging, please contact sales.

CL900-CL1500

螺栓连接阀盖(RJ), 全径, 明杆支架(OS&Y)
Welded bonnet, full port outside screw and yoke (OS&Y)
末端连接为连接法兰或对焊连接, 设计按BS5352
Flang or butt-welded design to BS5352

规格(NPS)Specification		F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L(RF),L1(BW)	-	-	-	216	229	254	279	305	368
	L(RTJ)	-	-	-	216	229	254	279	305	371
手轮直径(mm)Handwheel diameter	W	-	-	-	125	125	160	160	180	200
中心高度(开)(mm)Height	H	-	-	-	207	207	230	180	300	355
流通孔径(mm)Flow port dimension	d	-	-	-	12	15	20	28	32	40
WT (Kg)		-	-	-	11	13.2	17.4	19	24.5	31

注: 如需法兰和阀体一体式锻造的请与销售人员联系。
Note: for flange and body forging, please contact sales.

CL2500

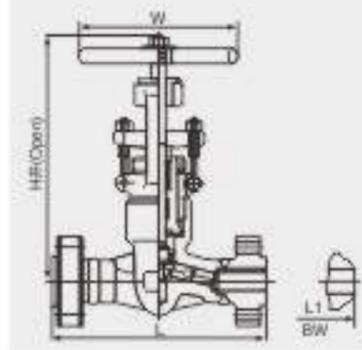
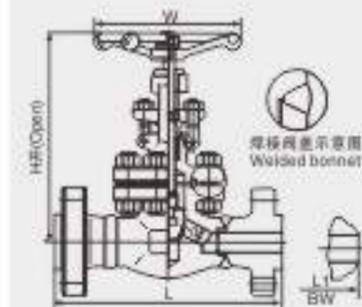
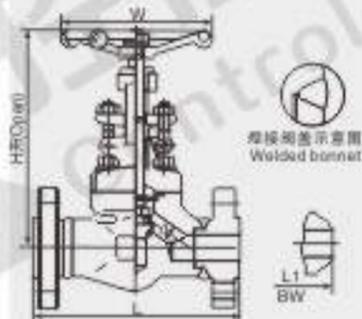
螺栓连接阀盖(RJ), 全径, 明杆支架(OS&Y)
Welded bonnet, full port outside screw and yoke (OS&Y)
末端连接为连接法兰或对焊连接, 设计按ASME B16.34
Welding flange or butt-welded design conform to ASME B16.34

规格(NPS)Specification		F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L(RF),L1(BW)	-	-	-	264	273	308	-	384	451
	L(RTJ)	-	-	-	264	273	308	-	387	454
手轮直径(mm)Handwheel diameter	W	-	-	-	125	160	200	-	250	240
中心高度(开)(mm)Height	H	-	-	-	207	240	258	-	355	300
流通孔径(mm)Flow port dimension	d	-	-	-	11	14	19	-	28	35
WT (Kg)		-	-	-	19.5	21.5	42	-	65	95

CL2500

压力自紧式密封阀盖, 全径, 明杆支架(OS&Y)
Pressure seal bonnet, full port outside screw and yoke (OS&Y)
末端连接为连接法兰或对焊连接, 设计按ASME B16.34
Welding flange or butt-welded design conform to ASME B16.34

规格(NPS)Specification		F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L(RF),L1(BW)	-	-	-	264	273	308	349	384	451
	L(RTJ)	-	-	-	264	273	308	349	387	454
手轮直径(mm)Handwheel diameter	W	-	-	-	200	200	280	280	280	300
中心高度(开)(mm)Height	H	-	-	-	320	320	320	440	440	490
流通孔径(mm)Flow port dimension	d	-	-	-	11	14	19	25	28	35
WT (Kg)		-	-	-	21.5	24.7	30.4	48.1	58.1	130



CL800

螺栓连接阀盖, 缩径和全径, 明杆支架(OS&Y)
Bolted bonnet, full port&reducing port outside screw and yoke (OS&Y)
末端连接可按螺纹或承插焊, 设计按BS5352
Threaded, butt-welded or socket welded ends; design to BS5352

规格(NPS)Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	79	92	111	120	152	172	200	-
手轮直径(mm)Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm)Height	H	164	164	164	203	224	260	300	355	-
流通孔径(mm)Flow port dimension	d	7	9	13	17.5	23	30	35	46	-
WT (Kg)		1.9	2.28	2.37	4.3	5.75	7.8	12.5	17.5	-

CL800

焊接连接阀盖, 缩径和全径, 明杆支架(OS&Y)
Welded bonnet, full port&reducing port outside screw and yoke (OS&Y)
末端连接为螺纹或承插焊或对焊, 设计按BS5352
Threaded, butt-welded or socket welded ends; design to BS5352

规格(NPS)Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	79	79	92	111	120	152	172	200	-
手轮直径(mm)Handwheel diameter	W	100	100	100	125	160	160	180	200	-
中心高度(开)(mm)Height	H	164	164	164	203	224	260	300	355	-
流通孔径(mm)Flow port dimension	d	7	9	13	17.5	23	30	35	46	-
WT (Kg)		1.7	1.7	1.9	3.3	5.2	6.8	10.6	13.8	-

CL900-CL1500

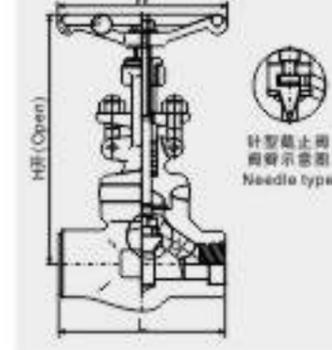
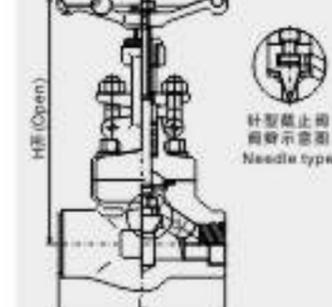
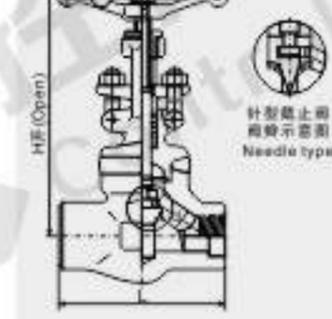
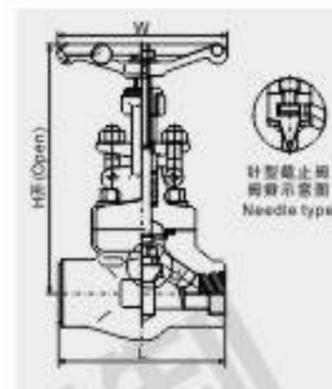
螺栓连接阀盖, 缩径和全径, 明杆支架(OS&Y)
Bolted bonnet, full port&reducing port outside screw and yoke (OS&Y)
末端连接可按螺纹或承插焊, 设计按BS5352
Threaded, butt-welded or socket welded ends; design to BS5352

规格(NPS)Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	92	111	111	120	152	172	200	220	-
手轮直径(mm)Handwheel diameter	W	100	125	125	160	160	180	200	240	-
中心高度(开)(mm)Height	H	171	207	207	240	258	330	355	370	-
流通孔径(mm)Flow port dimension	d	7	12	15	20	28	32	40	45	-
WT (Kg)		2.3	3.6	3.7	6.8	7.6	11.6	15	21.9	-

CL900-CL1500

焊接连接阀盖, 缩径和全径, 明杆支架(OS&Y)
Welded bonnet, full port&reducing port outside screw and yoke (OS&Y)
末端连接可按螺纹或承插焊, 设计按BS5352
Threaded, butt-welded or socket welded ends; design to BS5352

规格(NPS)Specification	R.P	-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm)Face to face	L	92	111	111	120	152	172	200	220	-
手轮直径(mm)Handwheel diameter	W	100	125	125	160	160	180	200	240	-
中心高度(开)(mm)Height	H	171	207	207	240	258	330	355	370	-
流通孔径(mm)Flow port dimension	D	7	12	15	20	28	32	40	45	-
WT (Kg)		2.2	3.3	3.4	5.6	6.0	10.3	14.2	18.0	-




产品执行标准 Production Enforce Standard

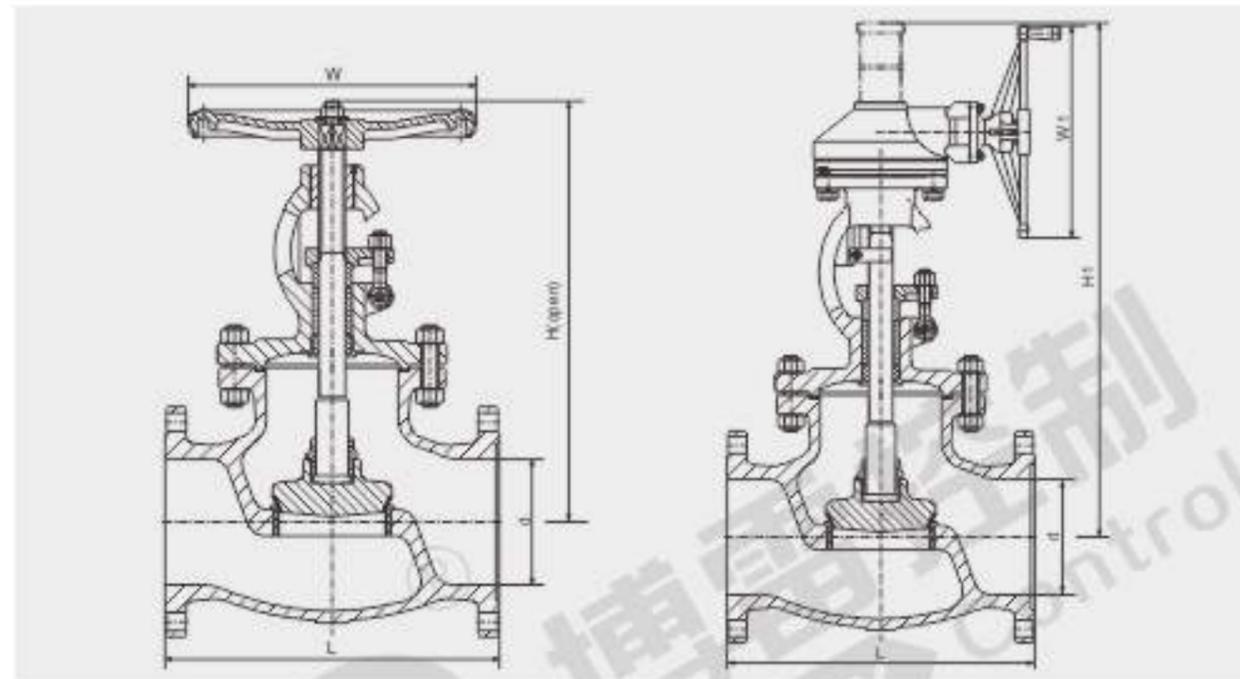
设计与制造 Desing And Manufacture	结构长度 Face to face End to end	法兰尺寸 Flange Dimension	对焊连接尺寸 Butt welding dimension	压力-温度 Pressure Temperature Rating	试验与检验 Inspection and test
ANSI B 16.34, BS1873	ANSI B16.10	ANSI B16.5	ANSI B16.25	ANSI B16.34	API 598

产品性能规范 Chief Property And Specification

公称压力(Lb) Nominal Pressors	强度试验 Shell test		水密封试验 Water seal test		气密封试验 Air seal test	
	MPa	Lbf/in ²	MPa	Lbf/in ²	MPa	Lbf/in ²
150	3.1	450	2.2	315	0.5-0.7	60-100
300	7.8	1125	5.6	815		
600	15.3	2225	11.2	1630		
900	23.1	3350	16.8	2440		
1500	38.4	5575	26.1	4080		
2500	64.6	9367	47.4	6873		

主要零件材料 Main Part Material

体、盖、阀 Body Cover Disc	阀杆 Stem	密封面 Sealing Face	垫片(环) Sealing shim	填料 Packing	工作温度(°C) Working temperature	适用介质 Suitable medium
WCB	2Cr13	13Cr STL 本体材料 With body material rial PTFE 尼龙 Nylon	增强柔性石墨 13Cr/柔性石墨 Enhanced Flexible graphite 1Cr13/Flexible graphite SFB-2 08软钢	柔性石墨 增强柔性石墨 Flexible graphite enhanced flexible graphite SFB/260 SFP/260 PTFE	≤425	水、蒸汽、油品 Water, Steam, Oil
WC1	38CrMoAl 25Cr2Mov				≤450	
WC8					≤540	
WC9					≤570	
C5 C12					≤540	
CF8					F304	
CF3	F316	F304				
CF8M	F304L	F316				
CF3M	F316L	F304L F316L				


主要外形尺寸 Main Outline Dimensions (Class150)

单位Unit:mm

磅级 Class	口径 Size		尺寸 Dimensions(mm)							WT (kg)		
	NPS	DN	L			d	H	H1	W	W1	手轮 Hand wheel	传动装置 Gear box
			RF	RTJ	BW							
150	1/2	15	108	119	108	13	182	-	100	-	3	-
	3/4	20	117	130	117	19	193	-	100	-	4	-
	1	25	127	140	127	25	217	-	100	-	5	-
	1 1/4	32	140	152	140	32	235	-	135	-	8	-
	1 1/2	40	165	178	165	38	258	-	135	-	9	-
	2	50	203	216	203	51	330	-	200	-	19	-
	2 1/2	65	216	229	216	64	360	-	250	-	27	-
	3	80	241	254	241	76	390	-	280	-	36	-
	4	100	292	305	292	102	445	-	300	-	53	-
	5	125	356	369	356	127	480	-	350	-	75	-
	6	150	406	419	406	152	520	556	350	310	94	126
	8	200	495	508	495	203	600	658	400	310	148	180
10	250	622	635	622	254	773	805	450	460	242	291	
12	300	698	711	698	305	880	955	500	460	438	480	

主要外形尺寸 Main Outline Dimensions (Class300 & Class600 & Class900) 单位Unit:mm

磅级 Class	口径 Size		尺寸 Dimensions(mm)								WT (kg)	
	NPS	DN	L			d	H	H1	W	W1	手轮 Hand wheel	传动装置 Gear box
			RF	RTJ	BW							
300	1/2	15	152	164	152	13	185	-	100	-	5	-
	3/4	20	178	191	178	19	195	-	100	-	7	-
	1	25	203	216	203	25	220	-	135	-	10	-
	1 1/4	32	216	229	216	32	240	-	135	-	14	-
	1 1/2	40	229	241	229	38	260	-	160	-	19	-
	2	50	267	283	267	51	385	-	200	-	25	-
	2 1/2	65	292	308	292	64	420	-	200	-	42	-
	3	80	318	333	318	76	440	-	280	-	46	-
	4	100	356	371	356	102	515	-	350	-	74	-
	5	125	400	416	400	127	580	-	350	-	111	-
	6	150	444	460	444	152	660	690	400	310	165	195
	8	200	559	575	559	203	900	950	550	460	275	327
10	250	622	638	622	254	950	990	600	460	400	452	
12	300	711	727	711	305	1030	1080	700	460	624	725	
600	2	50	292	295	292	51	360	-	250	-	32	-
	2 1/2	65	330	333	330	64	410	-	280	-	42	-
	3	80	356	359	356	76	465	-	300	-	63	-
	4	100	432	435	432	102	545	575	400	310	107	138
	5	125	508	511	508	127	625	660	500	310	185	215
	6	150	559	562	559	152	785	820	550	460	290	342
	8	200	660	664	660	200	930	960	650	460	540	645
	900	2	50	368	371	368	47	480	-	350	-	55
2 1/2		65	419	422	419	57	520	-	350	-	68	-
3		80	381	384	381	73	564	630	400	310	95	128
4		100	457	460	457	98	685	720	450	310	160	210
5		125	559	562	559	121	780	840	550	460	270	325
6		150	610	613	610	146	950	1015	650	460	410	480



产品执行标准 Production Enforce Standard

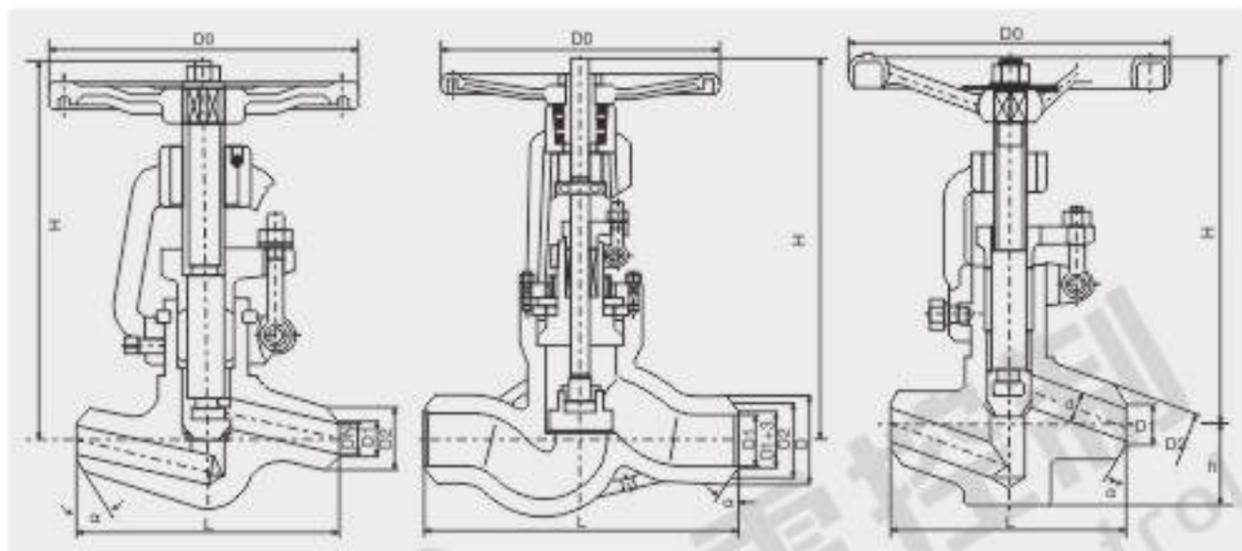
产品规范 Product Specification	设计规范 Design Spec	结构长度 Face to Face	焊接坡口 Welding groove	试验与检验 Test & Check	压力-温度 Pressure-Temp
	JB/T3595	JB/T2766	GB/T 15188.1	JB/T3595	JB/T3595

产品性能规范 Chief Property And Specification

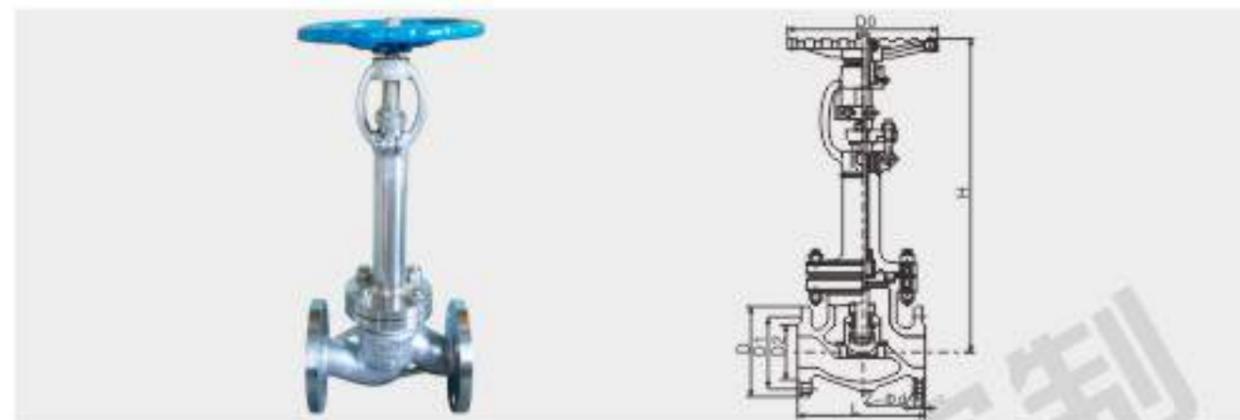
产品型号 Product type	公称压力PN(MPa) Nominal pressure	试验压力(MPa) Test pressure		工作压力(MPa) Working pressure			工作温度(°C) Working temperature	适用介质 Applicable medium
		壳体强度 Shell strength test	密封 Sealing	P ₁₁	P ₂₂	P ₃₃		
J61Y-100	10	15	11	/	/	/	≤450	水、蒸汽、油品 Water, steam, Oil
J61Y-200	20	30	22	/	/	/		
J61Y-250	25	38	28	/	/	/		
J61Y-320	32	48	36	/	/	/		
J61Y-P54/100V	/	30	22	10	/	/	≤540	蒸汽 Steam
J61Y-P54/140V	/	38	28	14	/	/		
J61Y-P54/170V	/	48	36	17	/	/		
J61Y-P55/100V	/	38	28	/	10	/		
J61Y-P55/140V	/	48	36	/	14	/		
J61Y-P55/170V	/	53	39	/	17	/		
J61Y-P57/100V	/	48	36	/	/	10		
J61Y-P57/140V	/	55	40	/	/	14		
J61Y-P57/170V	/	60	44	/	/	17		

主要零件材料 Main Part Material

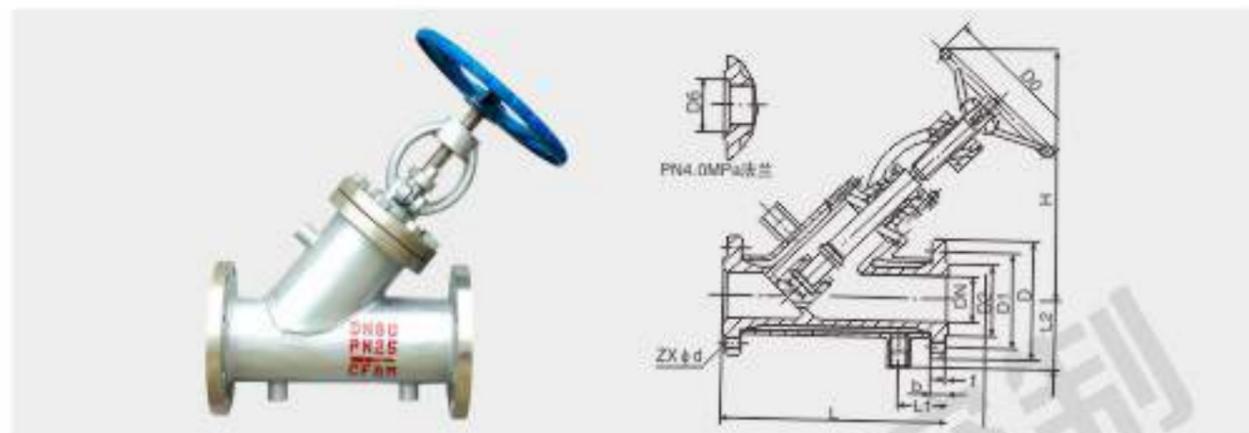
零件名称 Part name	J61H型/J961H型	J61Y型/J961Y型	J61Y-P54型/J961Y-P54型	J61Y-P55型/J961Y-P55型	J61Y-P57型/J961Y-P57型
阀体 Body	25, WCB	25, WCB	12Cr1MoV, WC6	12Cr1MoV, WC6	12Cr1MoV, WC9
阀盖 Bonnet	25, WCB	25, WCB	12Cr1MoV, WC6	12Cr1MoV, WC6	12Cr1MoV, WC9
阀杆 Stem	20Cr1Mo1VA, 38Cr1MoAlA				
阀瓣 Disc	铬不锈钢 Cr.Stainless steel	25	12Cr1MoV		
密封面 Sealing surface	硬质合金 Carbide				
填料 Packing	柔性石墨 Flexible graphite				
阀杆螺母 Stem nut	铝青铜 Al bronze				
手轮 Hand wheel	可锻铸铁 Forged cast-iron				
紧固件 Fastener	铸钢 Cr.Mo. steel 优质碳钢 High-grade carbon steel				


主要外形尺寸 Main Outline Dimensions 单位Unit:mm

公称通径DN	尺寸 Dimensions(mm)							WT (kg)
	L	D1	D2	D3	α	H	D0	
J61Y-100, 200, 250, 320 J61Y-P54/100V, P54/140V, P54/170V								
10	120	12	25	/	37.5°	185	140	2.8
15	150	17	36	/	37.5°	247	200	7.5
20	135 170	22	42	/	37.5°	248	200	9
25	135 170	26	42	/	37.5°	248	240	9.5
32	170 180	31	44	/	37.5°	248.5	280	15
40	230	38	60	/	37.5°	440	280	23
50(1)	250	50	82	/	32°	450	320	60
50(2)	320 350	50	82	/	32°	450	320	64
65	370 260	69	100	110	32°	669	400	74
80	400 430 470	84	108	130	32°	669	450	112.5
100	455 560	107	144	165	32°	755	500	178.5
注: DN50为两种结构								
J61Y-P55/100V, P55/140V, P55/170V, J61Y-P57/100V, P57/140V, P57/170V								
10	120	12	28	/	37.5°	189	140	3
15	150	17	40	/	37.5°	250	200	9
20	135 170	22	46	/	37.5°	252	200	11
25	135 170	26	46	/	37.5°	254	240	13
32	170 180	31	49	/	37.5°	254	280	17
40	230	38	60	/	37.5°	440	280	23
50(1)	250	50	90	/	32°	453	320	68
50(2)	320 350	50	90	/	32°	455	320	72
65	370 260	69	104	110	32°	630	400	83
80	400 430 470	84	110	140	32°	672	450	118
100	455 560	107	148	170	32°	761	500	185

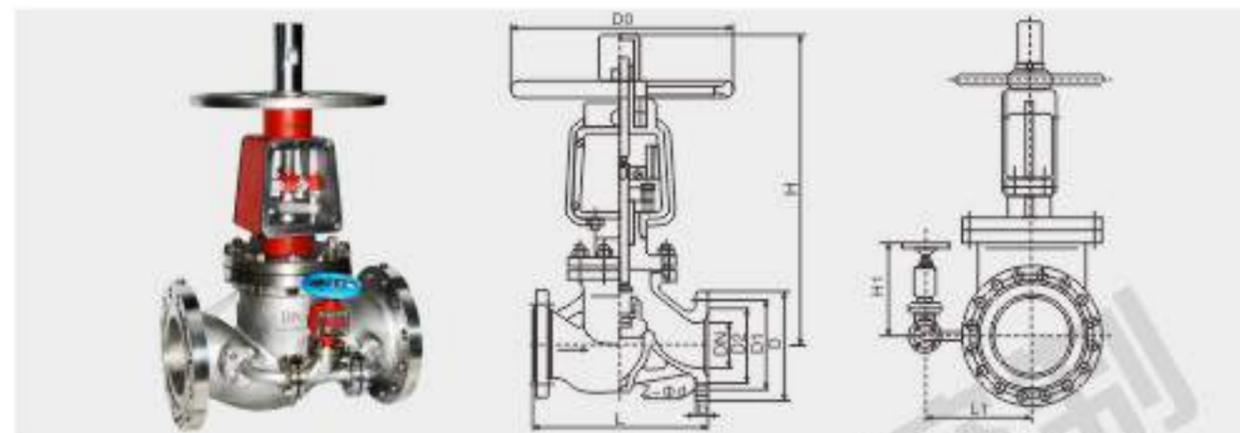

主要外形尺寸 Main Outline Dimensions 单位Unit:mm

公称通径DN	L	D	D1	D2	b	Z-Φd	D3	H			WT (kg)
								-46℃	-101℃	-196℃	
DJ41Y-16C DJ41Y-16P DJ41Y-16R DJ641Y-16C DJ641Y-16P DJ641Y-16R DJ9B41Y-16C DJ9B41Y-16P DJ9B41Y-16R											
50	230	160	125	100	16	4-φ18	240	460	480	520	15
65	290	180	145	120	18	4-φ18	280	475	505	525	23
80	310	195	160	135	20	8-φ18	280	520	550	590	28
100	350	215	180	155	20	8-φ18	320	545	575	615	32
125	400	245	210	185	22	8-φ18	360	590	620	660	88
150	480	280	240	210	24	8-φ23	400	650	680	730	98
200	600	335	295	265	26	12-φ23	400	850	880	930	155
250	730	405	355	310	30	12-φ25	450	956	986	1036	425
300	850	460	410	375	30	12-φ25	500	1095	1125	1175	641
DJ41Y-25C DJ41Y-25P DJ41Y-25R DJ641Y-25C DJ641Y-25P DJ641Y-25R DJ9B41Y-25C DJ9B41Y-25P DJ9B41Y-25R											
50	230	160	125	100	20	4-φ18	240	460	480	520	18
65	290	180	145	120	22	8-φ18	280	475	505	525	23
80	310	195	160	135	22	8-φ18	280	520	550	590	29
100	350	230	190	160	24	8-φ23	320	545	575	615	32
125	400	270	220	188	28	8-φ25	360	590	620	660	90
150	480	300	250	218	30	8-φ25	400	650	680	730	98
200	600	360	310	278	34	12-φ25	400	850	880	930	159
250	730	425	370	332	36	12-φ30	450	956	986	1036	436
300	850	485	430	390	40	16-φ30	500	1095	1125	1175	657
DJ41Y-40C DJ41Y-40P DJ41Y-40R DJ641Y-40C DJ641Y-40P DJ641Y-40R DJ9B41Y-40C DJ9B41Y-40P DJ9B41Y-40R											
50	230	160	125	100	88	20	240	483	504	546	16
65	290	180	145	120	110	22	280	499	530	551	24
80	310	195	160	135	21	22	280	546	578	620	30
100	350	230	190	160	150	24	320	572	604	646	33
125	400	270	220	188	176	28	360	620	651	693	93
150	480	300	250	218	204	30	400	683	741	767	100
200	600	360	320	282	260	38	400	893	924	977	163
250	730	425	385	345	313	42	450	1004	1035	1088	447
300	850	485	450	408	364	46	500	1150	1181	1234	673


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

PN	DN	L	L1	L2	H	D	D1	D2	b	t	z x phi d	D0	重量/kg
PN16 PN25	25	220	50	65	250	135	100	78	18	2	4 x phi 18	160	25
	32	250	55	70	270	145	110	85	18	3	4 x phi 18	160	30
	40	270	60	78	310	160	125	100	20	3	4 x phi 18	160	36
	50	300	60	88	330	180	145	120	22	3	8 x phi 18	240	40
	65	350	65	95	360	195	160	135	22	3	8 x phi 18	240	54
	80	380	70	112	400	230	190	160	24	3	8 x phi 23	280	70
	100	430	75	132	480	270	220	188	28	3	8 x phi 23	320	100
	125	490	80	146	550	300	250	218	30	3	8 x phi 25	360	130
	150	570	90	172	620	330	280	248	32	3	12 x phi 25	360	170
	200	690	95	205	750	395	340	302	36	3	12 x phi 25	400	250
PN40	25	220	50	65	250	135	100	78	18	2	4 x phi 18	160	25
	32	250	55	70	270	145	110	85	18	3	4 x phi 18	160	33
	40	270	60	78	310	160	125	100	20	3	4 x phi 18	160	41
	50	300	60	88	330	180	145	120	22	3	8 x phi 18	240	45
	65	350	65	95	360	195	160	135	22	3	8 x phi 18	240	62
	80	380	70	112	400	230	190	160	24	3	8 x phi 23	280	80
	100	430	75	132	480	270	220	188	28	3	8 x phi 25	320	100
	125	490	80	146	550	300	250	218	30	3	8 x phi 25	360	130
	150	570	90	172	620	350	295	258	34	3	12 x phi 30	360	185
	200	690	95	205	750	415	355	315	40	3	12 x phi 34	400	268


主要外形尺寸 Main Outline Dimensions

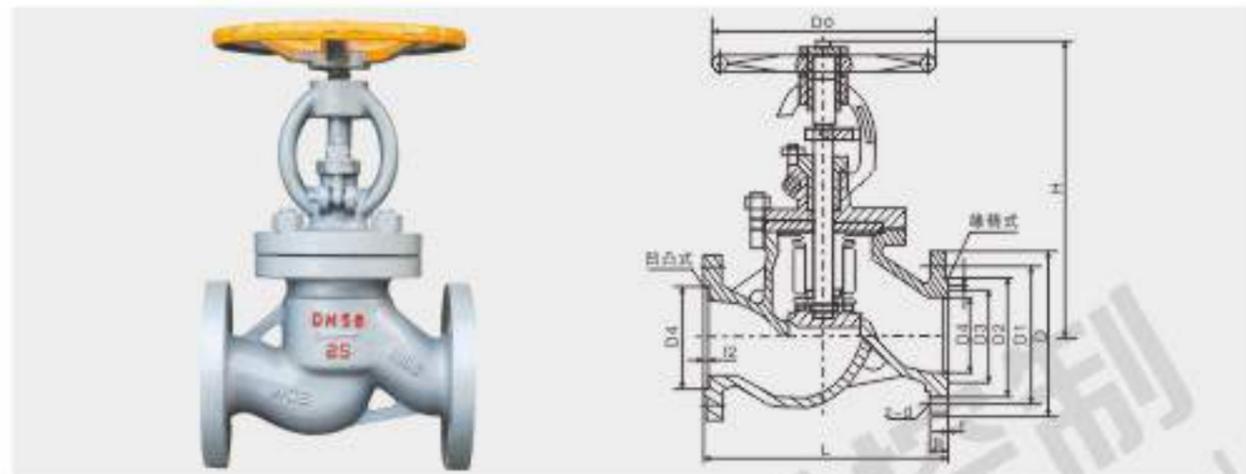
单位Unit:mm

公称口径 DN	L	D	D1	D2	b	Z-phi d	D0	H	H1	L1
		JY41W-25P		JY41W-25T						
15	130	95	65	45	16	4-phi 14	100	190	-	-
20	150	105	75	55	16	4-phi 14	100	213	-	-
25	160	115	85	65	16	4-phi 14	125	236	-	-
32	180	135	100	78	18	4-phi 18	180	312	-	-
40	200	145	110	85	18	4-phi 18	160	328	-	-
50	230	160	125	100	20	4-phi 18	320	450	-	-
65	290	180	145	120	22	8-phi 18	360	530	-	-
80	310	195	160	135	22	8-phi 18	400	560	-	-
100	350	230	190	160	24	8-phi 23	450	618	-	-
125	400	270	220	188	28	8-phi 25	450	675	-	-
150	480	300	250	218	30	8-phi 25	560	743	-	-
200	600	360	310	278	34	12-phi 25	640	850	-	-
250	650	425	370	332	36	12-phi 30	720	975	340	380
300	750	485	430	390	40	16-phi 30	800	1115	340	415
400	950	610	550	505	48	16-phi 34	900	1380	340	465

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	L	D	D1	D2	b	Z-phi d	D0	H	H1	L1
		JY41W-40P		JY41W-40T						
15	130	95	65	45	40	4-phi 14	100	202	-	-
20	150	105	75	55	51	4-phi 14	100	225	-	-
25	160	115	85	65	58	4-phi 14	125	236	-	-
32	180	135	100	78	66	4-phi 18	180	312	-	-
40	200	145	110	85	76	4-phi 18	160	328	-	-
50	230	160	125	100	88	4-phi 18	320	450	-	-
65	290	180	145	120	110	8-phi 18	360	530	-	-
80	310	195	160	135	121	8-phi 18	400	560	-	-
100	350	230	190	160	150	8-phi 23	450	618	-	-
125	400	270	220	188	176	8-phi 25	450	675	-	-
150	480	300	250	218	204	8-phi 25	560	743	-	-
200	600	375	320	282	160	12-phi 30	640	850	-	-
250	650	445	385	345	313	12-phi 34	720	975	340	380
300	750	510	450	408	364	16-phi 34	800	1115	340	415
400	950	655	585	535	474	16-phi 41	900	1425	340	465



性能规范 Performance Specification

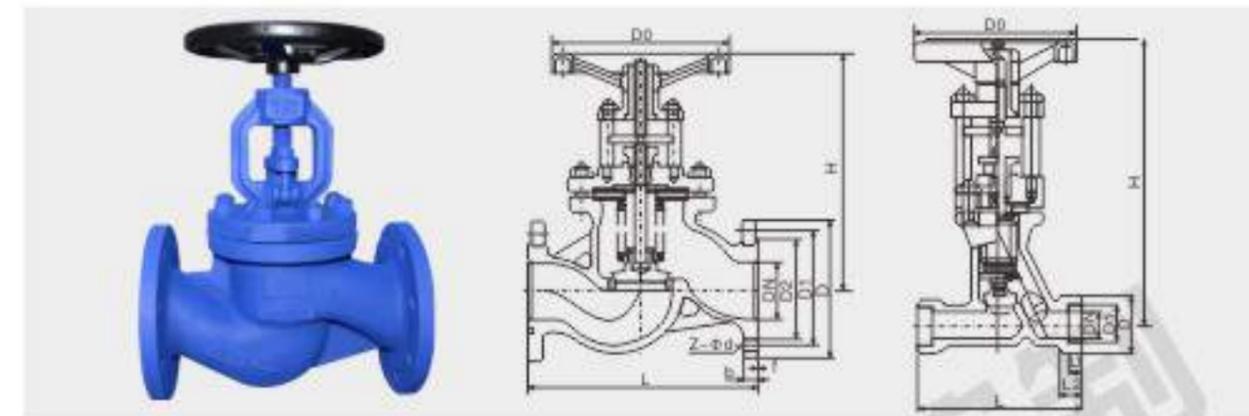
公称压力PN(MPa) Nominal Pressure	1.6	2.5	
试验压力(Mpa) Test pressure	壳体强度试验 Shell strength test	2.4	3.75
	密封试验 Seat test	1.76	2.75
适用介质 Applicable medium	液、气、氨、氮、氢 Liquid, gas, ammonia, nitrogen, hydrogen		
适用温度℃ Applicable temperature	-10℃~150℃		

主要零件材料 Main Part Material

产品类型 Product type	零件名称 Part name					
	阀体、阀盖 Body, Bonnet	阀杆 Stem	填料 Packing	密封面 Sealing surface	垫片 Gasket	紧固件 Fasteners
J41B-16/25C	铸钢 Cast steel	碳钢 Carbon steel	聚四氟乙烯 Teflon	巴氏合金 Ba di alloy	石棉橡胶板 Asbestos rubber sheet	优质碳钢 High quality carbon steel
J41B-16/25Q	球墨铸铁 Ductile cast iron					
J41B-16/25K	可锻铸铁 Malleable iron					

主要外形尺寸 Main Outline Dimensions

DN(mm)	L	D	D1	D2	D6	b	f	f2	Z-d	H	Do	
J41B-16C J41B-16Q J41B-16K	10	130	90	80	40	35	14	2	4	4-14	196	120
	15	130	95	85	45	40	14	2	4	4-14	196	120
	20	150	105	75	55	51	16	2	4	4-14	196	140
	25	160	115	85	65	58	16	2	4	4-14	204	160
	32	180	135	100	78	66	18	2	4	4-18	208	160
	40	200	145	110	85	76	18	3	4	4-18	248	200
	50	230	160	125	100	88	20	3	4	4-18	248	200
	65	290	180	145	125	110	22	3	4	4-18	321	240
	80	310	195	160	135	121	24	3	4	8-18	325	240
	100	350	215	180	155	150	24	3	4.5	8-18	371	280
J41B-25C J41B-25Q J41B-25K	15	130	90	80	40	35	16	2	4	4-14	196	120
	20	150	105	75	55	51	16	2	4	4-14	196	120
	25	160	115	85	65	58	18	2	4	4-14	201	120
	32	180	135	100	78	66						
	40	200	145	110	85	76						
	50	230	160	125	100	88						



主要外形尺寸 Main Outline Dimensions

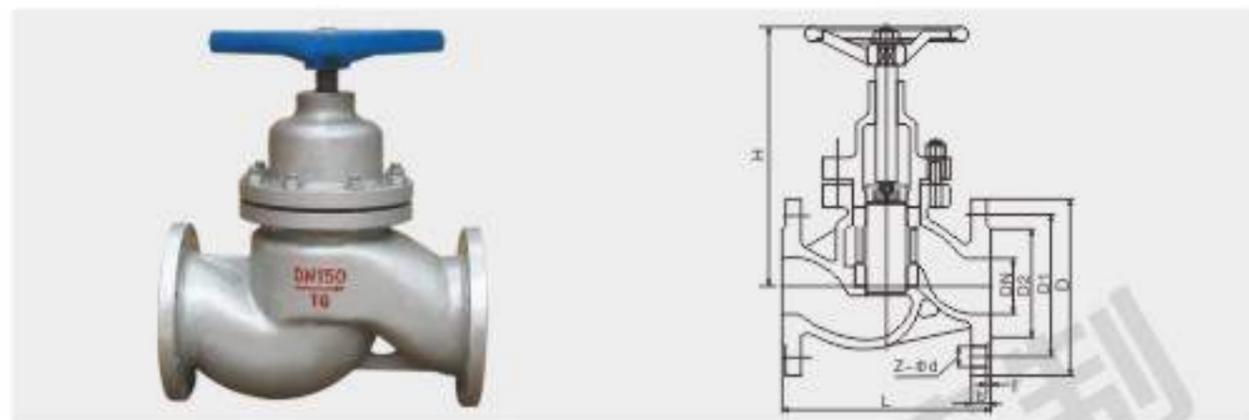
单位Unit:mm

公称口径 DN	L	D	D2	L1	L2	H	Dn	WT(kg)				
	WJ61H-16C		WJ61H-25		WJ61H-40		WJ61W-16P		WJ61W-25P		WJ61W-40P	
15	110	34	22.5	10	18	214	22.5	1.9				
20	130	40	28.5	11	18	242	28.5	2.3				
25	140	48	34.5	12	20	245	34.5	3.4				
32	160	56	43	14	22	296	43	5.2				
40	180	64	49	15	25	337	49	7.3				
50	230	85	61	18	28	342	61	10				

公称口径 DN	L	D	D1	D2	b	f	Z-φd	H	Do	WT(kg)	
	WJ41H-16C		WJ41W-16P								
15	130	95	65	47	14	2	4-φ14	202	120	5	
20	150	105	75	58	16	2	4-φ14	231	140	7	
25	160	115	85	68	16	2	4-φ14	231	140	9	
32	180	140	100	78	16	2	4-φ18	266	160	12	
40	200	150	110	88	18	3	4-φ18	317	200	16	
50	230	165	125	102	20	3	4-φ18	317	200	19	
65	290	185	145	122	20	3	8-φ18	331	240	23	
80	310	200	160	123	20	3	8-φ18	402	240	30	
100	350	220	180	158	22	3	8-φ18	416	320	42	
125	400	250	210	184	22	3	8-φ18	467	360	63	
150	480	285	240	212	24	3	8-φ22	525	360	90	
200	600	340	295	268	24	3	12-φ22	611	500	150	

	WJ41H-25		WJ41W-25P								
15	130	95	65	47	16	2	4-φ14	202	120	5	
20	150	105	75	58	16	2	4-φ14	231	160	7	
25	160	115	85	68	16	2	4-φ14	231	160	9	
32	180	140	100	78	18	2	4-φ18	266	160	12	
40	200	150	110	88	18	3	4-φ18	317	200	19	
50	230	165	125	102	20	3	4-φ18	317	200	24	
65	290	185	145	122	22	3	8-φ18	330	280	33	
80	310	200	160	133	22	3	8-φ18	402	280	44	
100	350	235	190	158	24	3	8-φ22	416	320	60	
125	400	270	220	184	28	3	8-φ26	467	360	72	
150	480	300	250	212	30	3	8-φ26	525	360	98	
200	600	360	310	278	30	3	12-φ27	611	500	169	

	WJ41H-40		WJ41W-40P								
15	130	95	65	47	18	2	4-φ14	202	120	5	
20	150	105	75	58	16	2	4-φ14	228	160	7	
25	160	115	85	68	16	2	4-φ14	228	160	9	
32	180	140	100	78	18	2	4-φ18	274	160	12	
40	200	150	110	88	20	3	4-φ18	345	200	16	
50	230	165	125	102	22	3	4-φ18	396	200	23	
65	290	185	145	122	22	3	8-φ18	399	280	33	
80	310	200	160	133	24	3	8-φ18	405	280	43	
100	350	235	190	158	28	3	8-φ22	460	320	69	


产品性能规范 Chief Property And Specification

公称压力 PN Nominal pressure	1.6	2.5	4.0	6.4	10.0	MPa	低压气密封试验压力 Low pressure seat test	0.5~0.7
壳体试验压力 Shell test pressure	2.4	3.75	6.0	9.6	15.0		适用介质 Applicable medium	水、油品、蒸汽、硝酸类、醋酸类 Water, oil, steam, Nitric acid, Acetic acid
高压密封试验压力 High pressure seat test	1.76	2.75	4.4	7.04	11.0		适用温度 Applicable temperature	≤425℃ ≤200℃

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

PN	DN	L	H	D	D1	D2	b	f	Z-φd	WT (kg)
1.6 MPa UJ41SM-16C UJ41SM-16P UJ41SM-16R	15	130	128	95	65	45	14	2	4-14	3
	20	150	165	105	75	55	14	2	4-14	5
	25	160	190	115	85	65	14	2	4-14	7
	32	180	216	135	100	78	16	2	4-18	8
	40	200	236	145	110	85	16	3	4-18	12
	50	230	250	160	125	100	16	3	4-18	16
	65	290	255	180	145	120	18	3	4-18	22
	80	310	255	195	160	135	20	3	8-18	27
	100	350	259	215	180	155	20	3	8-18	40
	125	400	352	245	210	185	22	3	8-18	72
2.5-4.0 MPa UJ41SM-2540C UJ41SM-2540P UJ41SM-2540R	15	130	133	95	65	45	16	2	4-14	4
	20	150	178	105	75	55	16	2	4-14	6
	25	160	180	115	85	65	16	2	4-14	7
	32	180	195	135	100	78	18	2	4-18	10
	40	200	220	145	110	85	18	3	4-18	13
	50	230	250	160	125	100	20	3	4-18	17
	65	290	272	180	145	120	22	3	8-18	24
	80	310	275	195	160	135	22	3	8-18	33
	100	350	312	230	190	160	24	3	8-23	49
	125	400	365	270	220	188	28	3	8-25	87
6.4 MPa UJ41SM-64C UJ41SM-64P UJ41SM-64R	15	170	145	105	75	55	18	2	4-14	5
	20	190	195	125	90	68	20	2	4-18	7
	25	210	202	135	100	78	22	2	4-18	8
	32	230	226	150	110	82	24	2	4-23	12
	40	260	239	165	125	95	24	3	4-23	15
	50	300	265	175	135	105	26	3	4-23	19
	65	340	287	200	160	130	28	3	8-23	26
	80	380	301	210	170	140	30	3	8-23	37
	100	430	346	250	200	168	32	3	8-25	55


主要性能范围 Chief Property And Specification

试验压力 Test Pressure

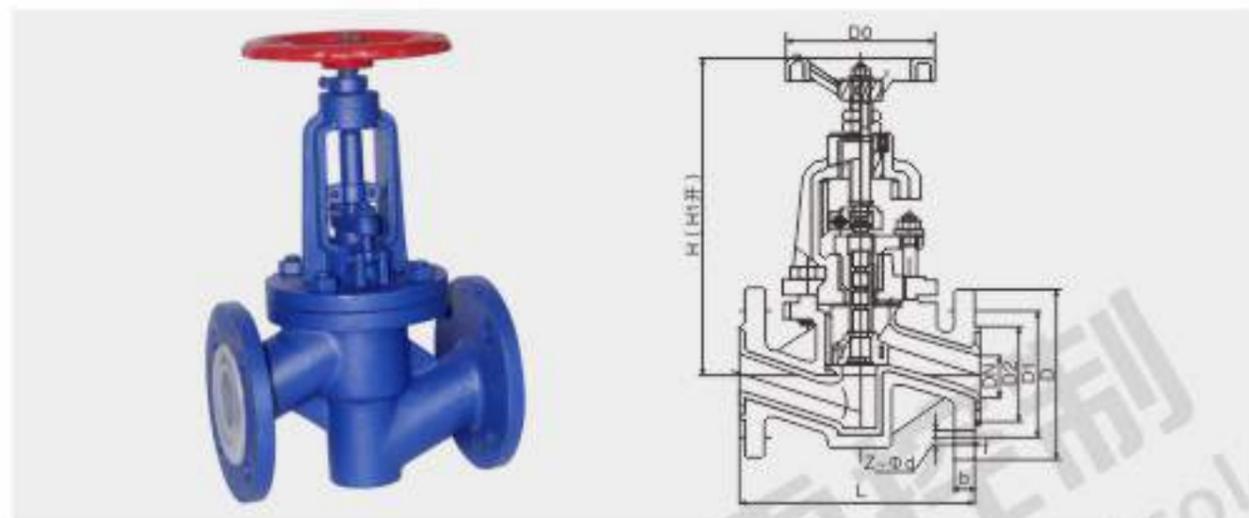
公称压力 PN (MPa) Nominal pressure	试验压力 (MPa) Test pressure			
	壳体 Shell	密封(液) Seal	密封(气) Seal	上密封 Back seat
1.6	2.4	1.8	0.6	1.8
2.5	3.8	2.8	0.6	2.8
4.0	6.0	4.4	0.6	4.4
6.4	9.6	7.0	0.6	7.0
10.0	15.0	11.0	0.6	11.0
16.0	24.0	18.0	0.6	18.0

适用范围 Suitable Scope

壳体材料 Shell material	适用介质 Applicable medium	适用温度℃ Applicable temperature
碳钢(C型) Carbon steel(I type)	水、蒸汽、油品 Water, steam, oil goods	≤425
铬镍钛钢(P型) Cr.Ni.Ti steel(P type)	硝酸类 Nitric acid	≤200
铬镍钛钢(R型) Cr.Ni.Mo.Ti steel(R type)	醋酸类 Acetic acid	≤200
铬钼钢(I型) Cr.Mo steel(I type)	水、蒸汽、油品 Water, steam, oil goods	≤550

J44H/Y/W -1.6C/P/R/L 2.5C/P/R/L角式截止阀 Angle Globe Valves

公称通径 DN(mm)	L	D	D1	D2	b	f	Z-φd	D0	H1	H2
25	160	115	85	65	18	3	4-14	100	220	236
32	180	135	100	78	18	3	4-18	120	251	273
40	200	145	110	85	20	3	4-18	140	283	306
50	230	160	125	100	20	3	4-18	160	316	344
65	290	180	145	120	22	3	4-18	180	353	383
80	310	195	160	135	22	3	8-18	200	437	479
100	350	215	180	155	24	3	8-18	240	479	529
125	400	245	210	180	26	3	8-18	280	542	608
150	480	280	240	210	28	4	8-18	320	605	680
200	600	335	295	265	30	4	12-23	360	650	755


主要性能规范 The Main Performance Standard

型号 Model	公称压力 PN(Mpa)	试验压力Ps(Mpa) Test pressure		工作温度℃ Working temperature	适用介质 Applicable medium
		壳体 Shell	密封 Seal		
J41F4-16	1.6	2.4	1.76	≤180	除硝酸碱金属、三氯化磷、元素氟以外的强酸、强碱、强氧化剂及各种有机溶剂 In addition to alkali metal nitrate, three fluorine chloride, element fluorine outside of the strong acid, strong alkali, strong oxidizer and various kinds of organic solvent
J41F46-16				≥160	

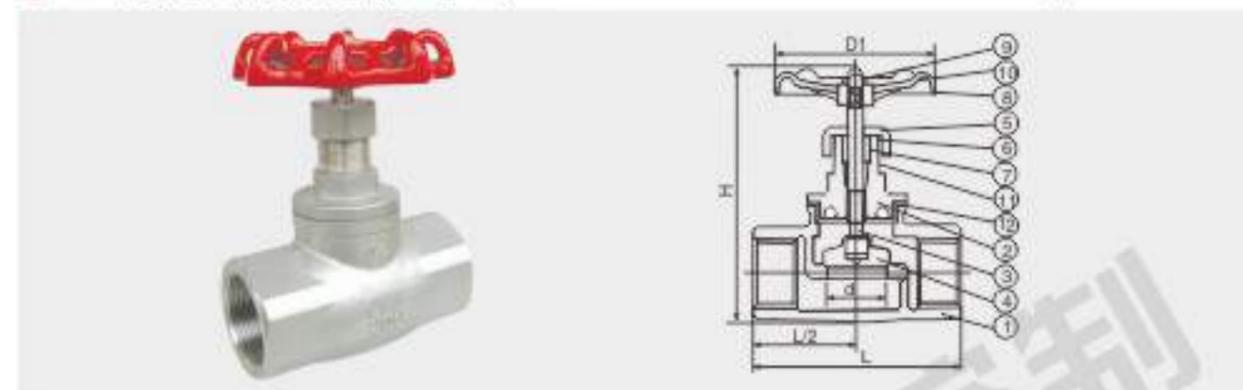
主要零件材料 Main Part Material

型号 Model	零件名称 Parts name	阀体、阀盖 Body, bonnet	阀瓣、阀杆 Disc, stem	阀杆螺母 Stem nut	手轮 Handwheel
J41F4-16	材料 Materials	铸钢衬聚四氟乙烯 Cast steel lining pte	碳钢衬聚四氟乙烯 Carbon steel lining pte	铸铜或球墨铸铁 Made of copper or nodular cast iron	铸铁 Cast iron
J41F46-16		铸钢衬全氟乙丙烯 Cast steel lining tef	碳钢衬全氟乙丙烯 Carbon steel lining tef		

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN(mm)	L	D	D1	D2	t	b	H	H1	D0	Z-φd
15	130	95	65	45	3	15	240	265	100	4-φ14
20	150	108	75	48	3	17	240	265	100	4-φ14
25	160	115	85	55	3	17	240	265	120	4-φ14
32	180	135	100	70	3	19	260	290	140	4-φ18
40	200	145	110	75	3	19	290	325	140	4-φ18
50	230	160	125	98	3	20	300	335	160	4-φ18
65	290	180	145	117	3	20	355	400	180	8-φ18
80	310	195	160	130	3	22	400	450	240	8-φ18
100	350	215	180	160	3	24	495	455	240	8-φ18
125	400	245	210	185	3	26	530	560	280	8-φ18
150	480	280	240	210	3	28	650	605	320	8-φ23
200	600	335	295	265	4	30	650	770	360	12-φ23
250	750	405	355	310	4	32	690	810	400	12-φ25

J11W美标丝扣截止阀(B型) (304、316) 200Lb J11W Beautiful Mark Silk Mouth Globe Valve (type B) (304、316) 200 Lb

主要外形尺寸 Main Outline Dimensions 单位Unit:mm

SIZE	d	L	H	D1	CV FACTOR
1/2"	15	66	100	70	3.8
3/4"	20	80	106	70	7.0
1"	25	90	118	80	11.0
1 1/4"	32	105	134	80	21.0
1 1/2"	40	120	152	90	29.0
2"	50	141	172	100	50.0

材料目录 Material List

ATEM	部件 Parts	材质 Material
1	阀体 Body	ASTM A351 CF8M
2	阀盖 Bonnet	ASTM A351 CF8M
3	中轴 Stem	S.S.316 304
4	中塞 Disc	S.S.316 304
5	六角帽 Packing nut	S.S.316 304
6	牛帽 Gland	S.S.304
7	中口 Packing	R-PTFE
8	手轮 Handwheel	ASTM B85
9	中轴螺母 Stemnut	S.S.304
10	铭牌 Name plate	ALUMINUM ALLOY
11	垫圈 Washer	S.S.304
12	密封垫 Gasket	R-PTFE

J11^W_H-16P不锈钢(碳钢)内螺纹截止阀 J11^W_H-16P Stainless Steel (Stainless Steel) Threaded Globe Valve

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN/mm	管螺纹 G/in	L	L1	S	H	H1	D0
15	G1/2	90	14	32	109	117	65
20	G3/4	100	16	36	109	117	65
25	G1	120	18	46	132	142	80
32	G1 1/4	140	20	55	156	168	100
40	G1 1/2	170	22	65	167	182	100
50	G2	200	24	80	182	200	120



止回阀系列
Check Valve Series

□ 产品结构特征

旋启式止回阀适用于压力PN1.6~42.0MPa(CL150~CL2500), 工作温度-46℃~570℃的石油、化工、制药、化肥、电力行业等各种工况的管路上, 防止介质的倒流。

其主要结构特点有:

- 1、产品结构合理、密封可靠、性能优良、造型美观。
- 2、密封面堆焊Co基硬质合金, 耐磨、耐蚀、抗擦伤性能好、使用寿命长。
- 3、内装式的销轴结构, 减小外泄漏点, 使用可靠。
- 4、当压力 ≥ 16.0 MPa, Class1500时, 阀门中段采用自紧式密封结构, 介质压力越高, 密封性能越好。
- 5、零件材质及法兰、对焊端尺寸可根据实际工况或用户要求合理选配, 满足各种工程需要。

□ PRODUCTS DESIGN FEATURES

Flanged & Butt-Welding Ends Swing Check Valves are used in pipes under pressures between PN1.6~42.0MPa (CL150~CL2500), working temperatures between -46℃~570℃. They are used in industries include oil, chemistry, pharmaceutical, fertilizer, and power generation to prevent the backward flux of the media.

Main structural features:

1. Rational structure, reliable sealing, excellent performance, pretty appearance.
2. Co-radix alloy welded sealing surface, anti-wearing, erosion-proof abrasion-proof and longer use life.
3. Inside-set bolt-bearing structure reduces leakage and reliable use.
4. Under pressures ≥ 16.0 MPa, Class1500, the valve belly, self-tightening structure offers a tighter sealing for a higher medium pressure.
5. Different parts materials and different sizes for flange, butt-welding are available for sensible combination according to different working facts and customers' requirements.

□ 产品结构特征

法兰连接升降式止回阀适用于公称压力PN1.6~42.0MPa(CL150~CL2500), 工作温度-46℃~550℃的石油、化工、制药、化肥、电力行业等各种工况的管路上, 防止介质的倒流。

其主要结构特点有:

- 1、产品结构合理、密封可靠、性能优良、造型美观。
- 2、阀瓣、阀座密封面堆焊Co基硬质合金, 耐磨、耐蚀、抗擦伤性能好、使用寿命长。
- 3、零件材质及法兰、垫片尺寸可根据实际工况或用户要求合理选配, 满足各种工程需要。

□ PRODUCTS DESIGN FEATURES

Flanged ends piston-lift type check valve are used in pipes under nominal pressures between PN1.6~42.0Mpa (CL150~CL2500), working temperatures between -46℃~550℃. They are used in industries include oil, chemistry, pharmaceutical, fertilizer, and power generation to prevent the backward flux of the media.

Main structural features:

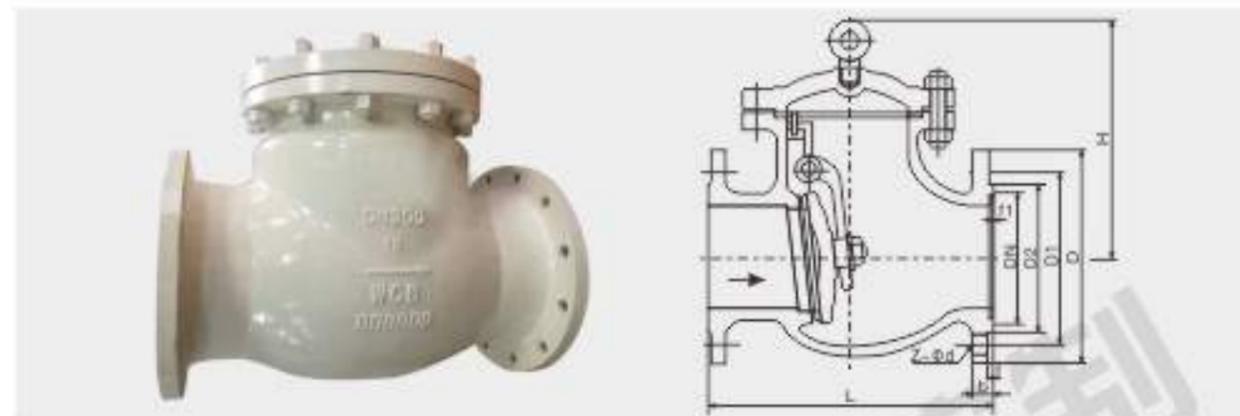
1. Rational structure, reliable sealing, excellent performance, pretty appearance.
2. Co hard alloy welded sealing surface of the valve discs and seats, which is wearing resistant, erosion proof, abrasion proof and long-lived.
3. Different parts materials and different sizes for flange, & gasket-welding are available for sensible combination according to different working facts and customer's requirements.


□ 技术性能规范 Technical Specification

设计标准 Design Standard	GB/T 12236						
压力温度等级 Pressure-Temperature Rating	GB/T 12224						
结构长度 Face-Face	GB/T 12221, GB/T 15188.1						
法兰型式尺寸 Flange Ends	GB/T 9113, JB/T 79						
对焊端连接 Buttwelding Ends	GB/T 12224						
检验与试验 Inspection & Test	JB/T 9092, GB/T 13927						
试验压力(MPa) Test Pressure	公称压力 Nominal Pressure	PN1.6	PN2.5	PN4.0	PN6.4	PN10.0	PN16.0
	壳体试验 Shell Test	2.4	3.75	6.0	9.6	15.0	24.0
	高压密封 High Pressure Seal Test	1.76	2.75	4.4	7.04	11.0	17.6
	低压密封 Low Pressure Seal Test	0.6					

□ 主要零件材料 Main Part Material

零件名称 Part Name	碳钢系列 Carbon Steel	不锈钢系列 Stainless Steel	合金钢系列 Alloy Steel	低温钢系列 Low Temperature Steel
阀体 Body	WCB	CF8	WC6	LCB
阀座 Seat	25#	0Cr18Ni9(304)	0Cr18Ni9(304)	0Cr18Ni9(304)
阀瓣 Disk	WCB	CF8	WC6	LCB
摇杆 Arm	WCB	CF8	WC6	LCB
销轴 Pin	1Cr13	0Cr18Ni9(304)	0Cr18Ni9(304)	0Cr18Ni9(304)
连接架 Connector	WCB	CF8	WC6	LCB
垫片 Gasket	柔性石墨+SS304	柔性石墨+SS304	柔性石墨+SS304	柔性石墨+SS304
阀盖 Bonnet	WCB	CF8	WC6	LCB
双头螺栓 Stud	35CrMoA	0Cr18Ni9(304)	35CrMoA	0Cr18Ni9(304)
螺母 Nut	35#	0Cr18Ni9(304)	35CrMoA	0Cr18Ni9(304)


□ 主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D ₁	D ₂	b	Z-φd	H	WT (kg)
H44H-16C H44W-16P H44W-16R H44Y-16I								
50	230	160	125	100	20	4-φ18	135	21
65	290	180	145	120	20	4-φ18	142	28
80	310	195	160	135	22	8-φ18	165	38
100	350	215	180	155	24	8-φ18	180	58
125	400	245	210	185	26	8-φ18	210	92
150	480	280	240	210	28	8-φ23	233	130
200	500	335	295	265	30	12-φ23	304	210
250	550	405	355	320	32	12-φ25	348	294
300	650	460	410	375	34	12-φ25	390	367
350	750	520	470	435	38	16-φ25	430	410
400	850	580	525	485	40	16-φ30	468	461
450	950	640	585	545	40	20-φ30	523	570
500	1150	705	650	608	46	20-φ34	525	850
H44H-25C H44W-25P H44W-25R H44Y-25I								
50	230	160	125	100	22	4-φ18	160	22
65	290	180	145	120	24	8-φ18	175	29
80	310	195	160	135	26	8-φ18	185	38
100	350	230	190	160	30	8-φ23	220	61
125	400	270	220	186	32	8-φ25	248	96
150	480	300	250	218	32	8-φ25	276	132
200	550	360	310	278	36	12-φ25	350	213
250	650	425	370	332	40	12-φ30	410	297
300	750	485	430	390	42	16-φ30	430	372
350	850	550	490	448	44	16-φ34	518	415
400	950	610	550	505	48	16-φ34	560	480
450	1025	660	600	555	50	20-φ34	582	610
500	1150	730	660	610	56	20-φ41	618	920

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	L	D	D ₁	D ₂	D ₆	b	f	F ₁	Z-Φd	H	WT (kg)
		H44H-40C		H44W-40P		H44W-40R		H44Y-40I			
50	230	160	125	100	88	20	3	4	4-Φ18	169	22
65	290	180	145	120	110	22	3	4	8-Φ18	173	29
80	310	195	160	135	121	22	3	4	8-Φ18	185	38
100	350	230	190	160	150	24	3	4.5	8-Φ23	220	61
125	400	270	220	188	176	28	3	4.5	8-Φ25	248	96
150	480	300	250	218	204	30	3	4.5	8-Φ25	270	132
200	550	375	320	282	260	38	3	4.5	12-Φ30	342	213
250	650	445	385	345	313	42	3	4.5	12-Φ34	401	297
300	750	510	450	408	364	46	4	4.5	16-Φ34	423	372
350	850	570	510	465	422	52	4	5	16-Φ34	455	415
400	950	655	585	535	474	58	4	5	16-Φ41	510	480

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	L	D	D ₁	D ₂	D ₆	b	f	F ₁	Z-Φd	H	WT (kg)
		H44H-64C		H44W-64P		H44W-64R		H44Y-64I			
50	300	175	135	105	88	26	3	4	4-Φ23	177	27
65	340	200	160	130	110	28	3	4	8-Φ23	197	37
80	380	210	170	140	121	30	3	4	8-Φ23	212	57
100	430	250	200	168	150	32	3	4.5	8-Φ25	248	89
125	500	295	240	202	176	36	3	4.5	8-Φ30	296	135
150	550	340	280	240	204	38	3	4.5	8-Φ34	380	184
200	650	405	345	300	260	44	3	4.5	12-Φ34	385	268
250	775	470	400	352	313	48	3	4.5	12-Φ41	445	396
300	900	530	460	412	364	54	4	4.5	16-Φ41	474	643
350	1025	595	525	475	422	60	4	5	16-Φ41	514	815
400	1150	670	585	525	474	66	4	5	16-Φ48	616	1234


技术性能规范 Technical Specification

设计标准 Design Standard	GB/T 12235					
压力温度等级 Pressure-Temperature Rating	GB/T 12224					
结构长度 Face-Face	GB/T 12221					
法兰型式尺寸 Flange Ends	GB/T 9113、JB/T 79					
检验与试验 Inspection & Test	JB/T 9092、GB/T 13927					
试验压力(MPa) Test Pressure	公称压力 Nominal Pressure	PN1.6	PN2.5	PN4.0	PN6.4	PN10.0
	壳体试验 Shell Test	2.4	3.75	6.0	9.6	15.0
	高压密封 High Pressure Seal Test	1.76	2.75	4.4	7.04	11.0
	低压密封 Low Pressure Seal Test	0.6				

升降式止回阀的材料明细(GB标准材料)Material List Of Lift Type Check Valve (GB Standard Material)

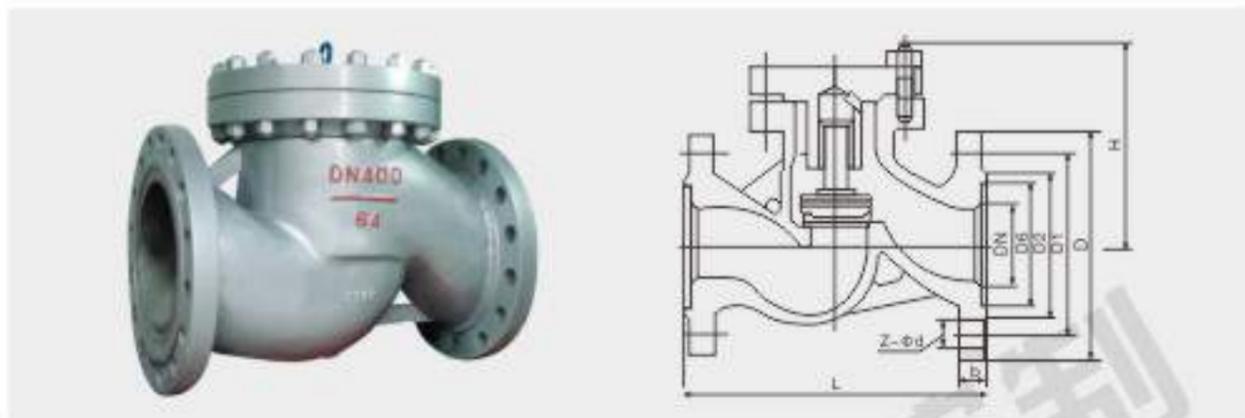
序号 No.	零件名称 Part Name	碳钢系列 Carbon Steel	不锈钢系列 Stainless Steel	合金钢系列 Alloy Steel	低温钢系列 Low Temperature Steel
1	阀体 Body	WCB	CF8	WC6	LCB
2	阀瓣 Disc	WCB	CF8	WC6	LCB
3	垫片 Gasket	柔性石墨+SS304	柔性石墨+SS304	柔性石墨+SS304	柔性石墨+SS304
4	阀盖 Bonnet	WCB	CF8	WC6	LCB
5	双头螺栓 Stud	35CrMoA	0Cr18Ni9(304)	35CrMoA	0Cr18Ni9(304)
6	螺母 Nut	35#	0Cr18Ni9(304)	35CrMoA	0Cr18Ni9(304)
7	弹簧 Spring	60S12Mn	0Cr18Ni9(304)	0Cr18Ni9(304)	0Cr18Ni9(304)

注：1、不同的工况温度和工况介质选用不同的材料

Note: Select different materials for different working temperature and media

2、常用内件材料的组合及使用温度见附录VII

Commonly-used trim materials and service temperature referred to Appendix VII


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D ₁	D ₂	b	Z-φd	H	WT (kg)
H41H-16C		H44W-16P		H41W-16R		H41Y-16I		
15	130	95	65	45	14	4-φ14	77	3
20	150	105	75	55	14	4-φ14	77	4
25	160	115	85	65	14	4-φ14	80	5
32	180	135	100	78	16	4-φ18	85	7
40	200	145	110	85	16	4-φ18	95	9
50	230	160	125	100	16	4-φ18	105	10
65	290	180	145	120	18	4-φ18	120	20
80	310	195	160	135	20	8-φ18	130	30
100	350	215	180	155	20	8-φ18	140	39
125	400	245	210	185	22	8-φ18	155	50
150	480	280	240	210	24	8-φ23	180	70
200	600	335	295	265	26	12-φ23	215	161
250	730	405	355	320	30	12-φ25	260	251
300	850	460	410	375	34	12-φ25	315	395
H41H-25C		H44W-25P		H41W-25R		H41Y-25I		
15	130	95	65	45	16	4-φ14	100	3.4
20	150	105	75	55	16	4-φ14	105	5
25	160	115	85	65	16	4-φ14	120	5.7
32	180	135	100	78	18	4-φ18	130	9.1
40	200	145	110	85	18	4-φ18	135	11.8
50	230	160	125	100	20	4-φ18	149	14.4
65	290	180	145	120	22	4-φ18	160	23
80	310	195	160	135	22	8-φ18	169	30
100	350	230	190	160	24	8-φ23	194	44
125	400	270	220	188	28	8-φ25	222	65
150	480	300	250	218	30	8-φ25	255	99
200	600	360	310	278	34	12-φ25	305	190
250	730	425	370	332	36	12-φ30	355	315
300	850	485	430	390	40	12-φ30	410	450

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D ₁	D ₂	D ₆	b	Z-φd	H	WT (kg)
H41H-40C		H41W-40P		H41W-40R		H41Y-40I			
15	130	95	65	45	40	16	4-φ14	100	4
20	150	105	75	55	51	16	4-φ14	105	5.5
25	160	115	85	65	58	16	4-φ14	120	6
32	180	135	100	78	66	18	4-φ18	130	12
40	200	145	110	85	76	18	4-φ18	135	14
50	230	160	125	100	88	20	4-φ18	149	18
65	290	180	145	120	110	22	8-φ18	160	27
80	310	195	160	135	121	22	8-φ18	169	38
100	350	230	190	160	150	24	8-φ23	194	50
125	400	270	220	188	176	28	8-φ25	225	75
150	480	300	250	218	204	30	8-φ25	255	119
200	600	375	320	282	260	38	12-φ30	305	217
250	730	445	385	345	313	42	12-φ34	360	310
300	850	510	450	408	364	46	12-φ34	415	365

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D ₁	D ₂	D ₆	b	Z-φd	H	WT (kg)
H41H-64C		H41W-64P		H41W-64R		H41Y-64I			
15	170	105	75	55	40	20	4-φ14	100	7
20	190	125	90	68	51	22	4-φ18	110	11
25	210	135	100	78	58	24	4-φ18	125	13
32	230	150	110	82	66	24	4-φ23	140	14
40	260	165	125	95	76	24	4-φ23	168	20
50	300	175	135	105	88	26	4-φ23	170	23
65	340	200	160	130	110	28	8-φ23	188	37
80	380	210	170	140	121	30	8-φ23	205	46
100	430	250	200	168	150	32	8-φ25	230	68
125	500	295	240	202	176	36	8-φ30	203	89
150	550	340	280	240	204	38	8-φ34	265	131
200	650	405	345	300	260	44	12-φ34	310	235



产品执行标准 Production Enforce Standard

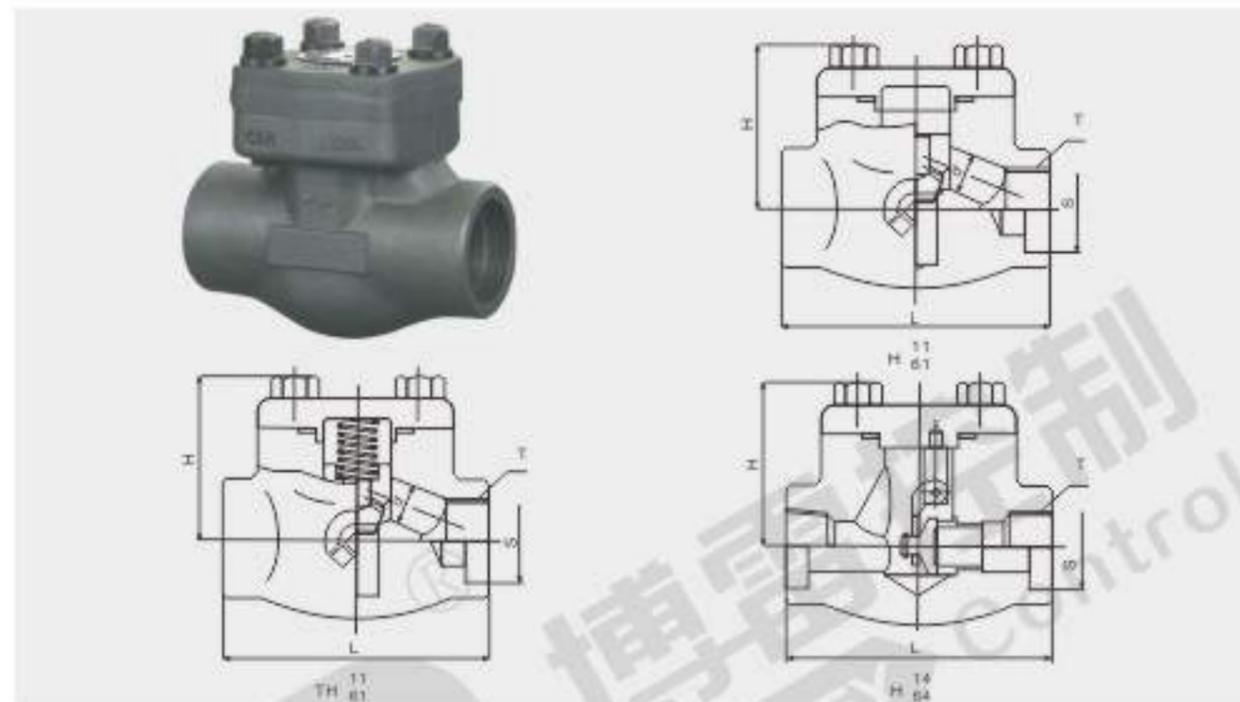
产品规范 Product specification	设计规范 Design spec	结构长度 Face to face	连接法兰 Flange end	试验与检验 Test & check	压力-温度 Pressure-temp
	JB/T7746	GB/T 12221-2005	GB/T 9113	GB/T 13927-2008	GB/T 12224-2005

产品性能规范 Chief Property And Specification

试验项目 Test item	强度试验 Shell test	密封试验 Seal test	气密封试验 Air seal test	适用温度℃ Applicable temperature	适用介质 Applicable medium
1.6	2.4	1.76	0.6	≤550℃	水、油品、蒸汽 Water, oil steam
2.5	3.8	2.76			
4.0	6.0	4.4			
6.4	9.6	7.04			
10.0	15.0	11.0			
16.0	24.0	17.6			

主要零件材料 Main Part Material

零件名称 Part name	零部件材料 Part Material	
阀体/阀盖 Body/Bonnet	25	1Cr18Ni9Ti
阀板/阀瓣 Wedge/Disc	2Cr13	1Cr18Ni9Ti
阀杆 Stem	2Cr13	1Cr18Ni9Ti
密封圈 Seal Ring	1Cr13+HF	1Cr18Ni9Ti+STL
垫片 Gasket	18-B/柔性石墨/18-B/Flexible Graphite	
螺栓 Bolt	35/35CrMo	1Cr18Ni9Ti
适用温度 Suitable Temp	-29~425℃	-40~200℃
适用介质 Suitable Medium	水、油品、蒸汽 Water, oil, Steam	硝酸类 Nitric Acid



应用规范

- 1、设计制造: GB/T12224, GB/T12228, GB/T12235, GB/T12236
- 2、连接端尺寸: (1)承插孔尺寸: JB/T1751-95 (2)螺纹端尺寸: GB/T7306
- 3、结构特征: B.C或W.C、旋启式或升降式
- 4、主体材料: A105, F5, F11, F22, 304, 304L, 316, 316L, LF2
- 5、阀门的检验和试验: JB/T9092-99

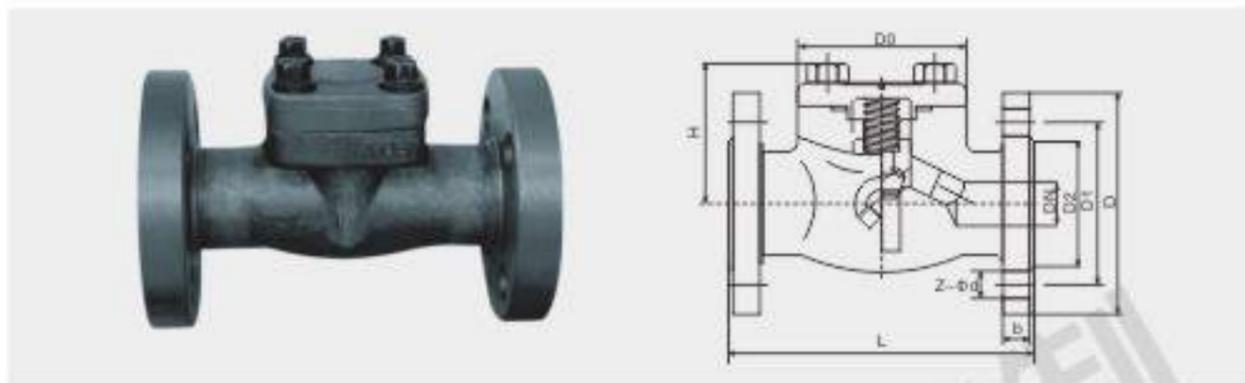
Application Criterion

- 1、Design Manufacture: GB/T12224, GB/T12228, GB/T12235, GB/T12236
- 2、Connection End Dimension: Socket Dimension; JB/T1751-95 Screw Dimension; GB/T7306
- 3、Structure Characteristic: B.C(or)W.C、Swing or Lift
- 4、Main Materials: A105, F5, F11, F22, 304, 304L, 316, 316L, LF2
- 5、Valve Check And Test: JB/T9092-99

主要尺寸及重量 Main Dimensions And Weight (PN 1.6~14.0MPa)

单位Unit: mm

规格 Size		S		L		T(in)		H	
DN		GB		升降式 Lift	旋启式 Swing	GB Rc牙型角55°		升降式 Lift	旋启式 Swing
缩径 RP	全径 FP	缩径 RP	全径 FP			缩径 RP	全径 FP		
8		14.5		79	79	1/4		61	61
10	8	18.0	14.5	79	79	3/8	1/4	61	61
15	10	22.5	18.0	79	79	1/2	3/8	61	61
20	15	28.5	22.5	92	92	3/4	1/2	61	61
25	20	34.5	28.5	111	111	1	3/4	78	78
32	25	43.0	34.5	120	120	1 1/4	1	84	84
40	32	49.0	43.0	152	120	1 1/2	1 1/4	103	101
50	40	61.0	49.0	172	140	2	1 1/2	118	120
	50		61.0	200	170		2	132	133



应用规范

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. 设计制造: GB/T12224, GB/T12228, GB/T12235 2. 结构长度: JB/T96-95 3. 法兰端尺寸: JB/T82.1-82.4-94 4. 结构特征: P.S; (F.P)升降止回 5. 主体材料: A105, F5, F11, F22, 304, 304L, 316, 316L, LF2 6. 阀门的检验和试验: JB/T9092-99 | <ul style="list-style-type: none"> 1. Design Manufacture: GB/T12224, GB/T12228, GB/T12235 2. Face To Face: JB/T96-95 3. Flange end Connection: JB/T82.1-82.4-94 4. Structure Characteristic: P.S; (F.P) Lift check 5. Main Materials: A105, F5, F11, F22, 304, 304L, 316, 316L, LF2 6. Valve Check And Test: JB/T9092-99 |
|---|--|

主要尺寸及重量 Main Dimensions And Weight

单位 Unit: mm

PN	DN	L	D	D ₁	D ₂	b	H	Z-Φd	WT (kg)
1.6	15	130	96	65	45	14	77	4-Φ14	3
	20	150	105	75	55	14	77	4-Φ14	4
	25	160	115	85	65	16	80	4-Φ14	5
	32	180	135	100	78	16	85	4-Φ18	7
	40	200	145	110	85	16	95	4-Φ18	9
2.5	50	230	160	125	100	16	105	4-Φ18	10
	15	130	95	65	45	16	82	4-Φ14	3.4
	20	150	105	75	55	16	95	4-Φ14	5.0
	25	160	115	85	65	16	98	4-Φ14	5.64
	32	180	135	100	78	18	120	4-Φ18	9.1
4.0	40	200	145	110	85	18	135	4-Φ18	11.8
	50	230	160	125	100	20	145	4-Φ18	14.4
	15	130	95	65	45	16	82	4-Φ14	3.4
	20	150	105	75	55	16	95	4-Φ14	4.8
	25	160	115	85	65	16	98	4-Φ14	5.54
6.4	32	180	135	100	78	18	120	4-Φ18	9.1
	40	200	145	110	85	18	135	4-Φ18	11.8
	50	230	160	125	100	20	145	4-Φ18	14.4
	15	170	105	75	55	20	84	4-Φ14	7
	20	190	125	90	68	22	120	4-Φ18	11
10.0	25	210	135	100	78	24	120	4-Φ18	13
	32	230	150	110	82	24	145	4-Φ23	14
	40	260	165	125	95	24	160	4-Φ23	20
	50	300	175	135	105	26	175	4-Φ23	23
	15	170	105	75	55	20	100	4-Φ14	7
10.0	20	190	125	90	68	22	120	4-Φ18	11
	25	210	135	100	78	24	120	4-Φ18	13
	32	230	150	110	82	24	135	4-Φ23	14
	40	260	165	125	95	26	160	4-Φ23	25
	50	300	195	145	112	38	185	4-Φ25	28

CL150-300-600

螺栓阀盖, 铸锻。
未端连接法兰或对焊, 设计按BS5352
Bolted bonnet, reducing port
Flang-welded or butt-welded ends; design to BS5352

规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	118	127	140	165	203
	CL300		-	-	153	178	203	216	229	267
	CL600		-	-	165	191	216	229	241	292
中心高度(开) (mm)Height	CL150	H	-	-	77	81	93	95	103	118
	CL300/600		-	-	61	78	84	101	120	133
流通孔径(mm)Flow port dimension		d	-	-	10	13	17.5	23	30	35
WT (Kg)	CL150	RF	-	-	3.6	4.6	8.5	9.2	12.5	14.8
		BW	-	-	3.0	3.6	7.6	8.5	11.3	13.6
	CL300	RF	-	-	3.7	4.8	8.8	9.8	13.7	17.8
		BW	-	-	3.2	4.3	8.0	8.8	12.7	16.2
	CL600	RF	-	-	4.0	5.8	9.5	10.4	15.6	24.5
		BW	-	-	3.4	5.1	8.8	9.2	14.8	22.5



CL150-300-600

螺栓阀盖, 铸锻。
未端连接法兰或对焊, 设计按BS5352
Bolted bonnet, reducing port
Flang-welded or butt-welded ends; design to BS5352

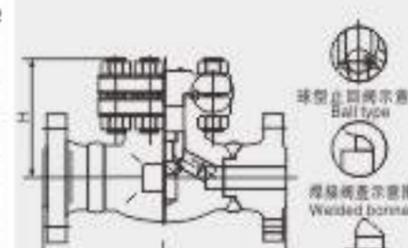
规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	118	127	140	165	203
	CL300		-	-	153	178	203	216	229	267
	CL600		-	-	165	191	216	229	241	292
中心高度(开) (mm)Height	CL150	H	-	-	77	81	93	95	103	118
	CL300/600		-	-	61	78	84	101	120	133
流通孔径(mm)Flow port dimension		d	-	-	10.5	13.5	18	24	29	36.5
WT (Kg)	CL150	RF	-	-	3.6	4.6	8.5	9.2	12.5	14.8
		BW	-	-	3.0	3.6	7.6	8.5	11.3	13.6
	CL300	RF	-	-	3.7	4.8	8.8	9.8	13.7	17.8
		BW	-	-	3.2	4.3	8.0	8.8	12.7	16.2
	CL600	RF	-	-	4.0	5.8	9.5	10.4	15.6	24.5
		BW	-	-	3.4	5.1	8.8	9.2	14.8	22.5



CL150-300-600

螺栓阀盖, 铸锻。
未端连接法兰或对焊, 设计按BS5352
Bolted bonnet, reducing port
Flang-welded or butt-welded ends; design to BS5352

规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	118	127	140	165	203
	CL300		-	-	153	178	203	216	229	267
	CL600		-	-	165	191	216	229	241	292
中心高度(开) (mm)Height	CL150	H	-	-	77	81	93	95	103	118
	CL300/600		-	-	61	78	84	101	120	133
流通孔径(mm)Flow port dimension		d	-	-	10	13	17.5	23	30	35
WT (Kg)	CL150	RF	-	-	3.2	3.5	4.6	5.2	7.0	18
		BW	-	-	2.8	3.0	4.0	4.6	6.3	15
	CL300	RF	-	-	4.8	6.1	9.1	12	16	21
		BW	-	-	4.1	5.7	8.4	11.2	14.5	19.5
	CL600	RF	-	-	4.8	6.3	9.3	13	16.5	22
		BW	-	-	4.4	5.9	8.7	12.1	15.8	20.8



CL150-300-600

螺栓阀盖, 铸锻。
未端连接法兰或对焊, 设计按BS5352
Bolted bonnet, reducing port
Flang-welded or butt-welded ends; design to BS5352

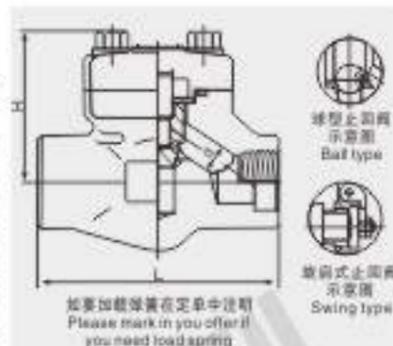
规格(NPS)Specification		R.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	CL150	L(RF) L1(BW)	-	-	108	118	127	140	165	203
	CL300		-	-	153	178	203	216	229	267
	CL600		-	-	165	191	216	229	241	292
中心高度(开) (mm)Height	CL150	H	-	-	77	81	93	95	103	118
	CL300/600		-	-	61	78	84	101	120	133
流通孔径(mm)Flow port dimension		d	-	-	10.5	13.5	18	24	29	36.5
WT (Kg)	CL150	RF	-	-	3.6	4.6	8.5	9.2	12.5	14.8
		BW	-	-	3.0	3.6	7.6	8.5	11.3	13.6
	CL300	RF	-	-	3.7	4.8	8.8	9.8	13.7	17.8
		BW	-	-	3.2	4.3	8.0	8.8	12.7	16.2
	CL600	RF	-	-	4.0	5.8	9.5	10.4	15.6	24.5
		BW	-	-	3.4	5.1	8.8	9.2	14.8	22.5



CL800

螺栓阀盖, 端径和全径。
未端连接为螺纹或承插或对接, 设计按BS5352
Bolted bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

规格(NPS) Specification	R.P		1/2	3/4	1	1 1/4	1 1/2	2		
	F.P		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	升降式 Lift	79	79	92	111	120	152	172	200
		旋启式 Swing	79	79	92	111	120	120	140	178
中心高度(开)(mm) Height	H	升降式 Lift	61	61	61	78	84	84	118	132
		旋启式 Swing	61	61	61	78	84	84	120	133
流通孔径(mm) Flow port dimension	d	升降式 Lift	7	9	13	17.5	23	30	35	46
		旋启式 Swing	8	10.5	13.5	18	24	29	36.5	45
WT (Kg)		升降式 Lift	1.2	1.5	1.7	3.3	4.2	4.2	10.5	12.5
		旋启式 Swing	1.4	1.5	1.7	3.3	4.2	4.2	8.5	10.9



CL800

焊接阀盖, 端径和全径。
未端连接为螺纹或承插或对接, 设计按BS5352
Welded bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

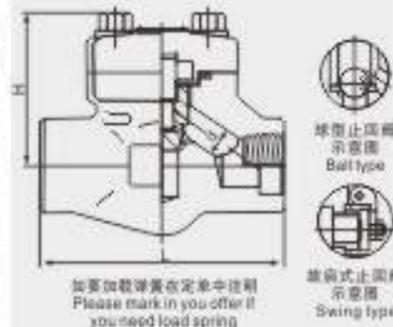
规格(NPS) Specification	R.P		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	
	F.P		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm)Face to face	L	升降式 Lift	79	79	92	111	120	152	172	200
		旋启式 Swing	79	79	92	111	120	120	140	178
中心高度(开)(mm)Height	H	升降式 Lift	61	61	61	78	84	103	118	132
		旋启式 Swing	61	61	61	78	84	101	120	133
流通孔径(mm)Flow port dimension	d	升降式 Lift	7	9	13	17.5	23	30	35	46
		旋启式 Swing	8	10.5	13.5	18	24	29	36.5	45
WT (Kg)		升降式 Lift	1.2	1.3	1.5	3.0	3.9	6.0	10	12
		旋启式 Swing	1.4	1.5	1.7	3.3	4.2	4.2	8.5	10.9



CL900-CL1500

螺栓阀盖, 端径和全径。
未端连接为螺纹或承插或对接, 设计按BS5352
Bolted bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

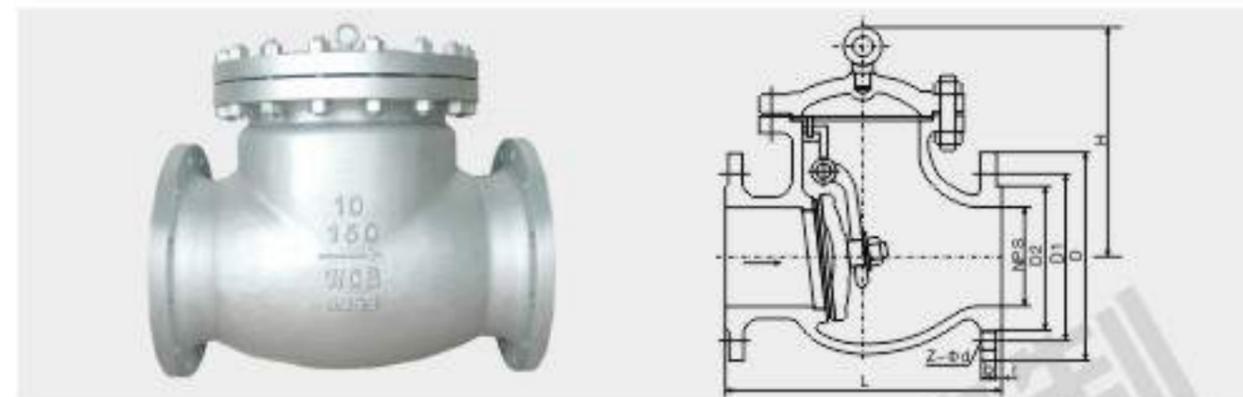
规格(NPS) Specification	R.P		1/2	3/4	1	1 1/4	1 1/2	2	
	F.P		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm) Face to face	L	升降式 Lift	92	111	111	120	152	172	200
		旋启式 Swing	92	111	111	120	120	140	178
中心高度(开)(mm) Height	H	升降式 Lift	61	78	78	84	103	118	132
		旋启式 Swing	61	78	78	84	101	120	133
流通孔径(mm) Flow port dimension	d	升降式 Lift	7	12	15	20	28	32	40
		旋启式 Swing	8	10.5	13.5	18	24	29	45
WT (Kg)		升降式 Lift	1.5	3.4	3.3	4.2	6.3	10.5	12.5
		旋启式 Swing	1.5	3.3	3.4	4.2	5.0	8.5	10.9



CL900-CL1500

焊接阀盖, 端径和全径。
未端连接为螺纹或承插或对接, 设计按BS5352
Welded bonnet, full port and reducing port
Threaded, butt-welded or socket welded ends; design to BS5352

规格(NPS) Specification	R.P		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
	F.P		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2
结构长度(mm)Face to face	L	升降式 Lift	92	111	111	120	152	172	200
		旋启式 Swing	92	111	111	120	120	140	178
中心高度(开)(mm)Height	H	升降式 Lift	61	78	78	84	103	118	132
		旋启式 Swing	61	78	78	84	101	120	133
流通孔径(mm)Flow port dimension	d	升降式 Lift	7	12	15	20	28	32	40
		旋启式 Swing	8	10.5	13.5	18	24	29	45
WT (Kg)		升降式 Lift	1.3	3.1	3.1	3.9	5.8	10.0	11.5
		旋启式 Swing	1.4	3.0	3.0	3.9	4.8	8.0	10.5



产品执行标准 Production Enforce Standard

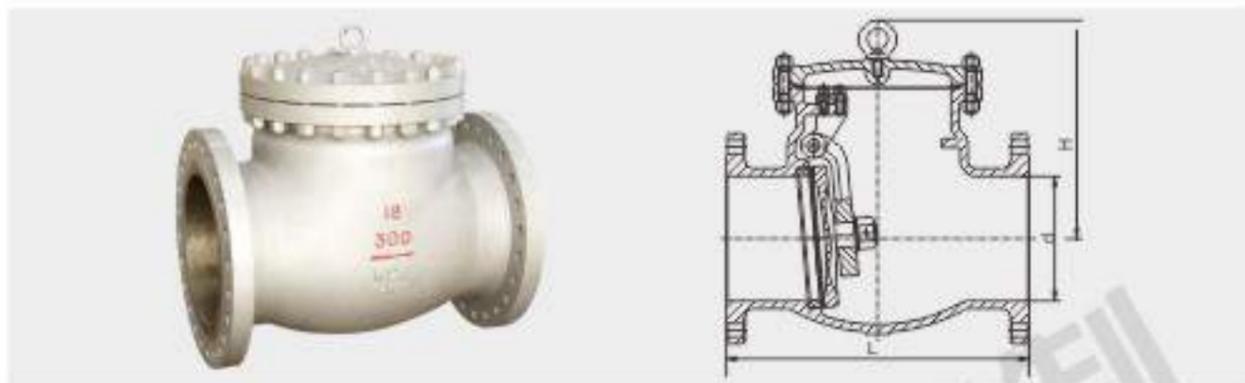
类型 Type	设计与制造 Design And Manufacture	结构长度 Face to face/ End to end	法兰尺寸 Flange Dimension	压力-温度 Pressure Temperature Rating	试验-检验 Inspection and test
旋启式止回阀 Swing check valve	ANSI B16.34	ANSI B16.10	ANSI B16.15	ANSI B16.34	API 598
升降式止回阀 Lift check valve	BS 1868				

产品性能规范 Chief Property And Specification

公称压力(Lb) Nominal Pressure	150	300	600	900	
强度试验 Shell test	MPa	3.1	7.8	15.3	23.1
	Lbf/in ²	150	1125	2225	3350
水密封试验 Water seal test	MPa	2.2	5.6	11.2	16.8
	Lbf/in ²	315	815	1630	2440
气密封试验 Air seal test	MPa	0.5-0.7			
	Lbf/in ²	60-100			

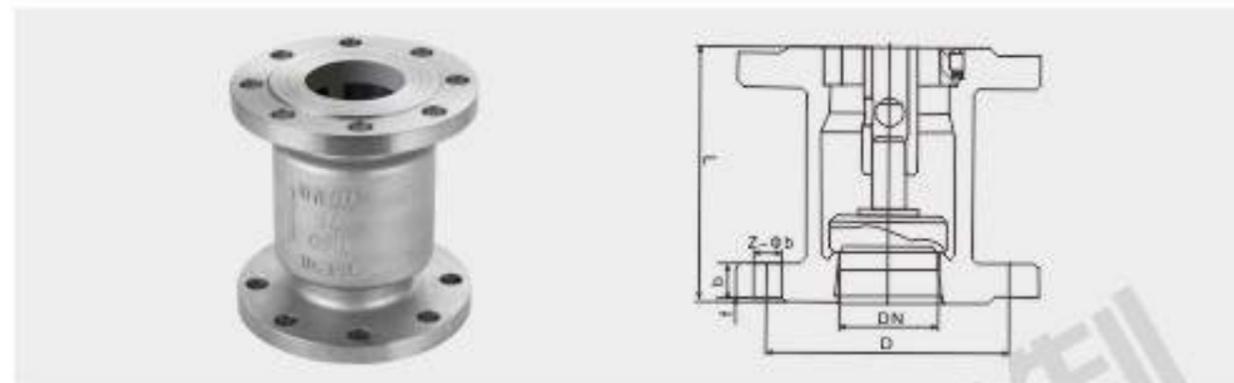
主要零件材料 Main Part Material

阀体、阀盖、阀瓣、阀杆、导向套 Body, Cover, Disc, rocker, guide sleeve	销轴 Hinge pin	垫片 Sealing shim	密封面 Sealing Face	工作温度(℃) Working temperature	适用介质 Suitable medium
WCB	2Cr13	增强柔性石墨 1Cr13/柔性石墨 不锈钢/耐酸石棉 PTFE 齿型垫片 Enhanced Flexible graphite 1Cr13/Flexible Graphite S.S/Acic-proof asbestos Tooth profile gasket	13Cr STL 本体材料 PTFE 尼龙 With body material Nylon	≤425	水、蒸汽、油品 硝酸类、醋酸类、 强氧化、介质、 尿素 Water Steam Petroleum Products Nitric acid Acetic acid
WC1				≤450	
WC6				≤540	
WC9				≤570	
C5 C12				≤550	
CF8	304			≤600	
CF3	316				
CF8M	304L				
CF3M	316L				


主要外形尺寸及重量 Main Size Of Outside & Weight

规格 Size	Class 150						Class 300					
	尺寸 Dimensions(mm)					WT (kg)	尺寸 Dimensions(mm)					WT (kg)
	L			d	H		L			d	H	
RF	RTJ	BW	RF			RTJ	BW	RF	RTJ			BW
2	203	216	203	51	132	15	267	283	267	51	144	20
2 1/2	216	229	216	64	147	20	292	308	292	64	169	35
3	241	254	241	76	176	27	318	333	318	76	210	40
4	292	305	292	102	198	45	356	371	356	102	260	61
5	330	343	330	127	255	58	400	416	400	127	295	80
6	356	368	356	152	320	69	445	460	445	152	326	130
8	495	508	495	203	380	131	533	549	533	203	380	190
10	622	635	622	254	440	219	622	638	622	254	440	296
12	699	711	698	305	480	321	711	727	711	305	520	450
14	787	800	787	337	530	380	838	854	838	337	540	640
16	864	876	864	387	580	560	864	879	864	387	588	850
18	978	991	978	438	618	630	978	994	978	438	670	1030
20	978	991	978	489	657	770	1016	1035	1016	489	720	1330
24	1295	1308	1295	591	760	960	1346	1368	1346	591	850	1950
26	1295	-	1295	633	840	1250	1346	1372	1346	633	920	2300
28	1448	-	1448	684	920	1580	1499	1524	1499	684	1150	2600
30	1524	-	1524	735	980	1950	1594	1619	1594	735	1260	3200

规格 Size	Class 600						Class 900					
	尺寸 Dimensions(mm)					WT (kg)	尺寸 Dimensions(mm)					WT (kg)
	L			d	H		L			d	H	
RF	RTJ	BW	RF			RTJ	BW	RF	RTJ			BW
2	292	295	292	51	170	28	368	371	368	47	200	48
2 1/2	330	333	330	64	178	40	419	422	419	57	220	75
3	356	359	356	76	246	68	381	384	381	73	280	95
4	432	435	432	102	290	117	457	460	457	98	320	135
5	508	511	508	127	320	155	559	562	559	121	360	200
6	559	562	559	152	360	192	610	613	610	146	400	264
8	660	664	660	200	430	340	737	740	737	190	480	424
10	787	791	787	248	502	515	838	841	838	234	560	730
12	838	841	838	298	554	750	965	968	965	282	632	1070
14	889	892	889	327	595	890	1029	1038	1029	311	680	1180
16	991	994	991	375	680	1303	1130	1140	1130	354	780	1790
18	1092	1095	1092	419	778	1800	1219	1232	1219	400	880	2500
20	1194	1200	1194	464	970	2150	1321	1334	1321	444	1050	3080
24	1397	1407	1397	559	1100	3200	1549	1568	1549	533	1200	4600


执行标准 Standards

 设计制造:GB12235
 结构长度:GB12221
 连接法兰:JB/T79-1994
 试验与检验:JB/T9092-1999

 Design manufacturing: GB12235
 Structure length: GB12221
 Connecting flange: JB/T79-1994
 Test and inspection: the JB/T9092-1999

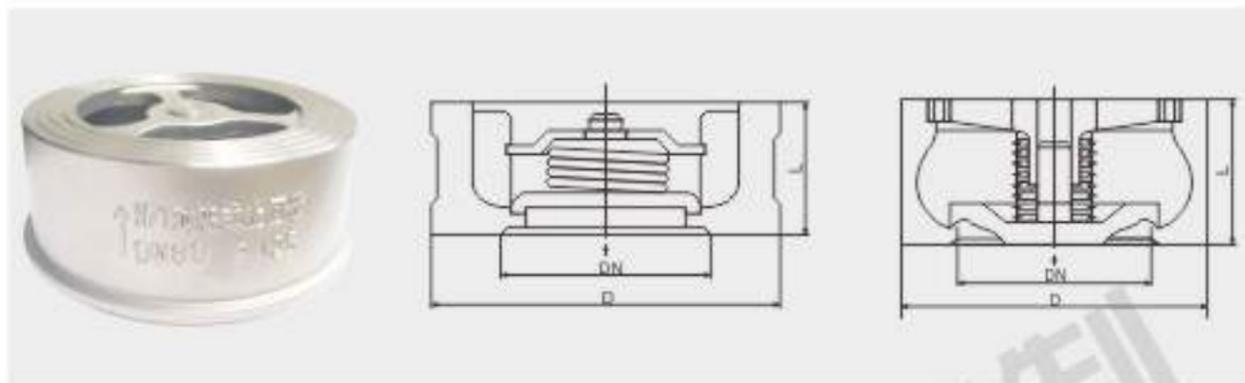
主要性能规范 Main Performance Specification

试验压力 Test pressure	公称压力 [MPa]				
	1.6	2.5	4.0	6.0	10.0
壳体试验 Shell test	2.4	3.8	6.0	10.0	16.0
密封试验 Seal test	1.8	2.8	4.4	7.0	11.0
阀体材料 Body material	WCB(C)	CF8(P)	CF8M (R)	WC6	WC9
工作温度 Working temperature	≤425	≤100	≤100	≤550	≤550
适用介质 Applicable medium	水、蒸汽、油品 Water, steam, oil products	硝酸类 Nitric acid kind of	醋酸类 Acetic acid kind of	水、蒸汽 Water, steam	水、蒸汽 Water, steam

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

1.6MPa													
尺寸 Size	DN	15	20	25	32	40	50	65	80	100	125	150	200
L	mm	105	105	105	150	160	170	180	200	210	275	300	380
D	mm	95	105	115	135	145	160	180	195	215	245	280	335
WT (Kg)	kg	-	-	-	-	-	7.9	11	12	19.5	36	47	65
2.5MPa													
尺寸 Size	DN	20	25	32	40	50	65	80	100	125	150	200	
L	mm	105	105	150	160	170	180	200	210	275	300	380	
D	mm	105	115	135	145	160	180	195	215	275	300	380	
WT (Kg)	kg	-	-	-	-	7.9	11	12	20	38	48	70	
4.0MPa													
尺寸 Size	DN	50	65	80	100	125	150	200					
L	mm	170	180	200	210	275	300	380					
D	mm	160	180	195	230	270	300	375					
WT (Kg)	kg	7.9	11	12	20	38	48	72					


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	L	D			WT (Kg)
		1.6MPa	2.5MPa	4.0MPa	
H71H-16C H71H-25C H71H-40C H71W-16P H71W-25P H71W-40P H71W-16R H71W-25R H71W-40R					
15	25	48	48	48	0.3
20	31.5	58	58	58	0.5
25	35.5	68	68	68	0.8
32	40	80	80	80	1.3
40	45	90	90	90	1.6
50	58	105	105	105	2.3
65	63	125	125	125	3.3
80	71	140	140	140	4.4
100	80	160	165	165	5.6
125	110	190	195	195	9.2
150	125	215	225	225	12.5
200	160	270	285	290	16.5
250	200	330	340	350	20
300	250	385	400	415	27


主要外形尺寸 Main Outline Dimensions

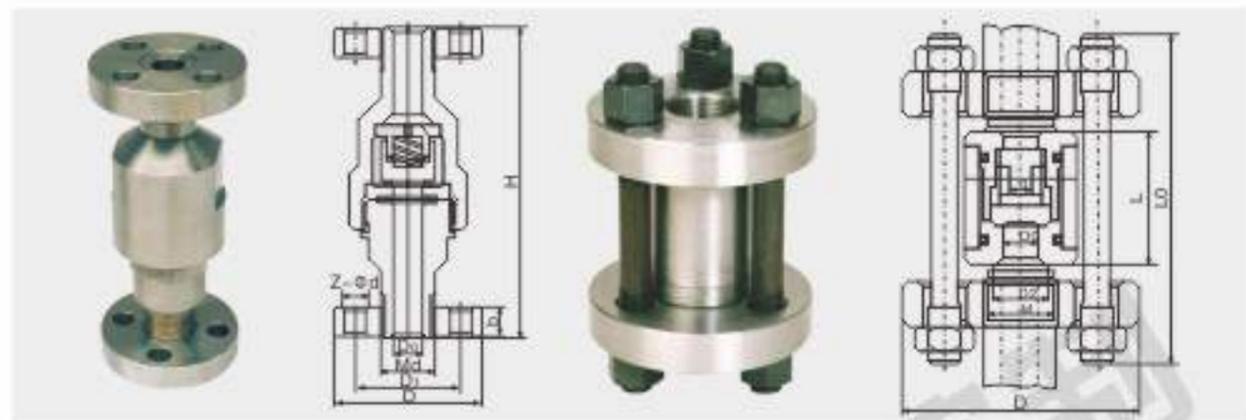
单位Unit:mm

公称口径 DN	PN1.0(MPa)		重量(kg) Weight	PN1.6(MPa)		重量(kg) Weight	PN2.5(MPa)		重量(kg) Weight	PN4.0(MPa)		WT(kg)
	L	D		L	D		L	D		L	D	
H76H-10C H76W-10P H76H-16C H76H-25C H76H-40C H76W-10R H76W-16P H76W-16R H76W-25P H76W-25R H76Y-40P H76Y-40R												
50	60	109	1.8	60	109	1.8	60	109	2	60	109	2.4
65	67	129	2.6	67	129	2.6	67	129	3.2	67	129	3.8
80	73	144	3.6	73	144	4.2	73	144	4.8	73	144	5.6
100	73	164	4.8	73	164	5.2	73	170	6	73	170	7.5
125	83	194	6.3	83	194	6.7	83	198	9	83	198	11
150	98	220	8.7	98	220	9.4	98	228	12	98	228	15
200	127	275	16.5	127	275	18.7	127	288	22	127	293	27
250	146	330	26.2	146	333	29.4	146	343	38	146	355	48
300	181	380	42.3	181	388	48.5	181	403	54	181	420	78
350	184	440	58	184	448	66	184	460	80	222	480	116
400	198	493	76	198	498	90	198	520	118	232	549	152
450	203	543	98	203	558	130	-	-	-	-	-	-
500	219	598	120	219	630	186	-	-	-	-	-	-
600	222	698	235	222	734	298	-	-	-	-	-	-

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

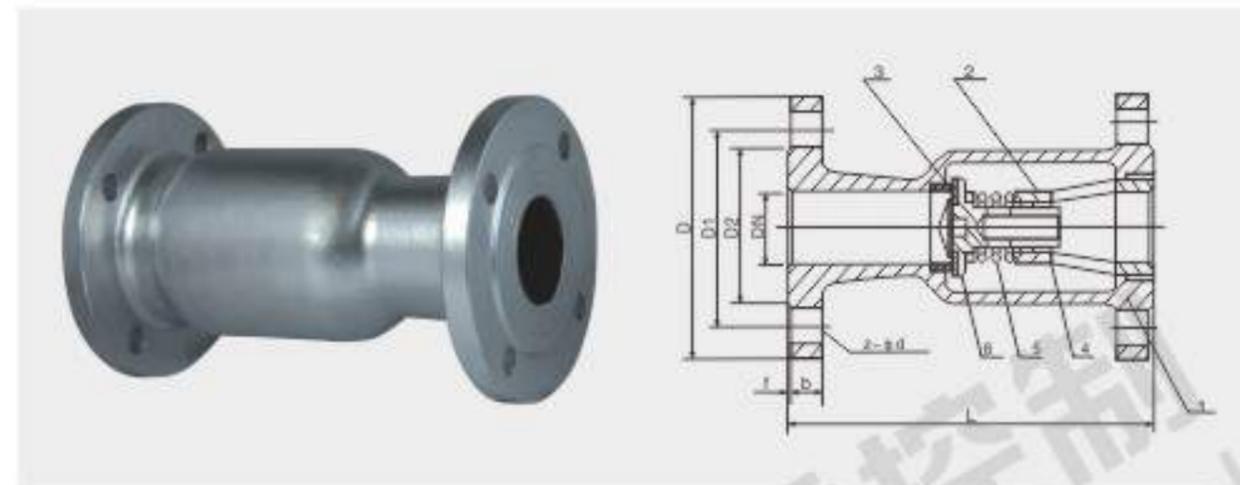
公称口径DN	L	D	D ₀	R	T	WT(kg)
H76X-10C H76X-16C						
50	43	107	69	29	19	1.5
65	46	127	84	20	20	2.4
80	64	142	103	26	26	3.6
100	64	162	121	28	28	5.7
125	70	192	135	30	30	7.3
150	76	218	180	31	31	9
200	89	273	250	33	33	17
250	114	328	260	45	45	26
300	114	378	312	48	48	42
350	127	438	365	50	50	55
400	140	489	415	54	54	75
450	152	539	468	58	58	107
500	152	594	526	60	60	111
600	178	695	626	73	73	165


主要外形尺寸 Main Outline Dimensions

公称压力 (PN)	DN (mm)	D ₀	D	D ₁	Md	Z-φd	H	b	WT(kg)
H42H									
16.0MPa	15	15	95	60	M24×2	3-18	240	20	5.5
	25	23	105	68	M33×2	3-18	262	20	7.5
	32	29	115	80	M42×2	4-18	285	22	10
	40	39	165	115	M52×2	6-26	285	28	19.5
32.0MPa	10	11	95	60	M24×2	3-18	234	20	5.5
	15	17	105	68	M33×2	3-18	240	20	6
	25	23	115	80	M42×2	4-18	262	22	8.5
	32	29	135	95	M48×2	4-22	285	25	12
40	42	165	115	M64×2	6-26	316	32	21	

主要外形尺寸 Main Outline Dimensions

公称压力 (PN)	DN (mm)	D	M	D ₂	D ₀	L ₀	d	L	WT(kg)
H72H									
16.0MPa	15	95	M24×2	20	16	145	42	60	5
	25	105	M33×2	28	23	155	50	65	10
	32	115	M42×2	37	29	175	62	80	15
	40	165	M52×2	42	39	215	72	90	20
	50	165	M64×2	58	50	245	88	115	30
	65	200	M80×2	73	65	300	115	140	45
32.0MPa	80	225	M100×2	93	80	345	135	160	60
	15	105	M33×2	27	17	155	50	65	5
	25	115	M42×2	35	22	175	62	80	10
	32	135	M48×2	41	30	200	72	90	15
	40	165	M60×3	58	42	245	88	115	20
	50	200	M80×3	70	58	300	115	140	30
65	215	M100×3	90	68	345	135	160	45	
80	260	M125×4	112	85	395	165	185	60	


执行标准 Standards

 设计与制造: GB/T12233-89
 BS5152-1974
 结构长度: GB/T12221-89
 法兰连接: JB78

Standards

 Design and manufacture: GB/T12233-89
 BS5152-1974
 Length of the structure: GB/T12221-89
 Flange connection: JB78

主要部件

1. 阀体
2. 支座
3. 密封圈
4. 衬套
5. 弹簧
6. 阀瓣

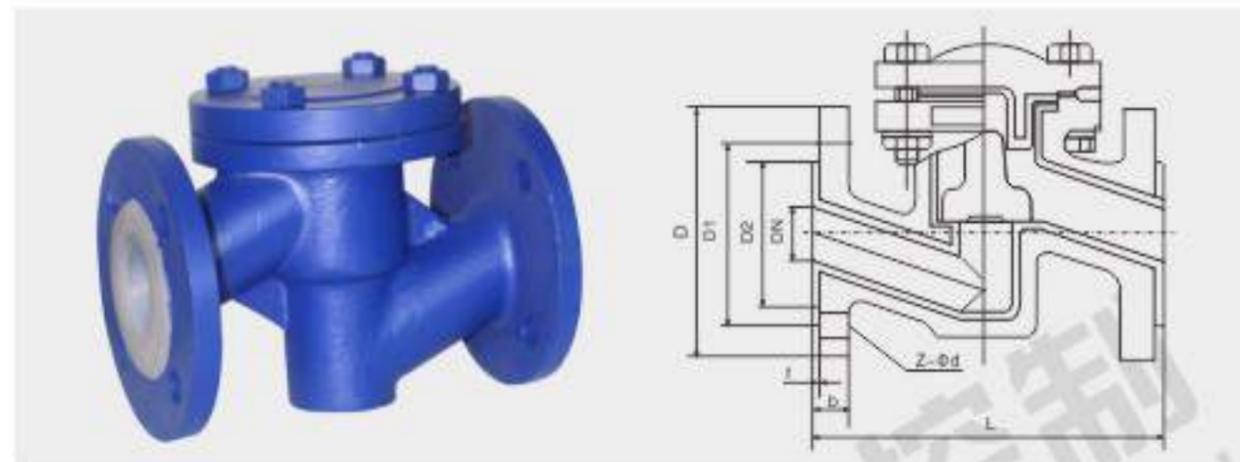
Main Components Of

1. Body
2. bearing
3. Sealing ring
4. bushing
5. spring
6. valve clack

用途: 适用于水、蒸汽、油品及弱腐蚀性介质 适用温度: <300℃	USES: Suitable for water, steam, oil, and weak corrosive medium Applicable temperature: <300℃	部件材料: 阀体: 铸铁(HT200) 螺塞: 铸铁(HT200) 阀瓣: ZG1Cr18Ni9Ti 弹簧: 2Cr13 密封圈: 氟橡胶 涂层: 银灰油漆 Parts material: Body: Cast Iron(HT200) plug: Cast iron(HT200) valve clack: ZG1Cr18Ni9Ti spring: 2Cr13 Sealing ring: Fluorine rubber coating: Silver gray paint
特点: 密封性强、无噪音、能自动控制管道介质倒流及自动关闭, 卧立管道即可安装。	Features: Sealing strong, no noise, can automatically control the medium backflow And automatically shut down, lie the stand pipe can be installed.	
压力等级: PN(MPa) 1.6 2.5	Classes: PN(MPa) 1.6 2.5	
性能: 按GB/T13927-92标准试验检测 公称压力: PN1.6 阀体: PN2.4 密封(液): PN1.6 密封(气): PN0.6	Performance: According to standard GB/T13927-92 test Nominal pressure: PN1.6 Valve body: PN2.4 Seal(liquid): PN1.6 Seal(gas): PN0.6	

主要外形和连接尺寸 Main Features And the Connection Size (mm)

型号 Model	公称直径 Nominal diameter (mm)	标准值 Standard values					
		L	D	D1	D2	b-f	Z-Φd
H41F-16	25	160	115	65	85	16-2	4-14
	32	180	135	78	100	18-2	4-18
	40	200	145	85	110	18-2	4-18
	50	230	160	100	125	20-3	4-18
	65	290	180	120	145	20-3	8-18
	80	310	195	135	160	22-3	8-18
	100	350	215	155	180	24-3	8-18
	125	400	245	185	210	26-3	8-23
	150	480	280	210	240	28-3	12-23
	200	600	335	265	295	30-3	12-23
250	730	405	320	355	30-3	12-25	
H41F-25Q	25	127	115	65	85	16-2	4-14
	32	140	135	78	100	18-2	4-18
	40	165	145	85	110	20-3	4-18
	50	203	160	100	125	20-3	4-18
	65	216	180	120	145	22-3	8-18
	80	241	195	135	160	22-3	8-18
	100	292	230	160	190	24-3	8-23
	125	330	270	188	220	28-3	8-25
	150	356	300	218	250	30-3	8-25
	200	495	360	278	310	34-3	12-25
250	622	425	335	370	36-3	12-30	


主要性能规范 Main Performance Specification

产品型号 Product type	公称压力 PN(Mpa)	试验压力Ps(Mpa) Test pressure		工作压力(MPa) Working pressure	工作温度℃ Working temperature	适用介质 Applicable medium
		壳体 Shell	密封 Seal			
H41F-16	1.6	2.4	1.76	1.6	≤180	氢氟酸、发烟硫酸、硝酸、三水、氯气、液氨的苛性的碱液、醇、胺类有机溶剂及其它腐蚀性介质 hydrofluoric acid, hair smoke sulfuric acid, nitric acid, sanshui, chlorine, boiling, dislaked the sea, ketones, alcohol solution and organic solvents and other corrosive medium
H41F-16					≤160	

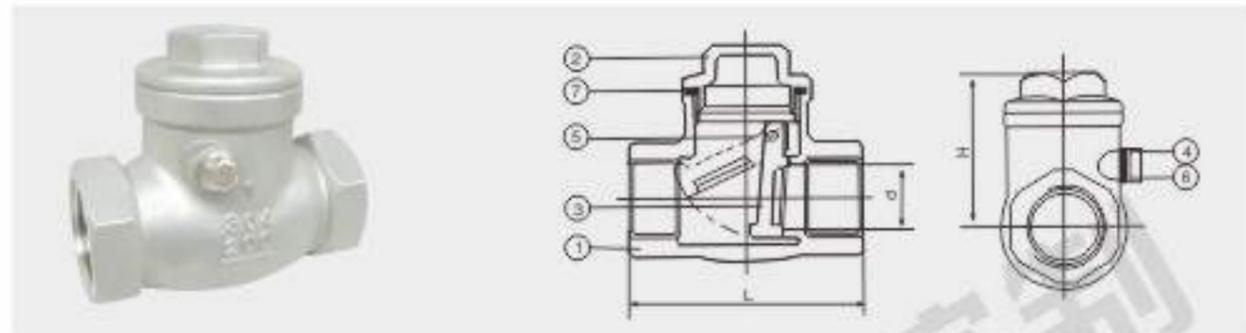
主要零件材料 Main Part Material

型号 Model	零件名称 Parts name	阀体、阀盖 Body, bonnet	阀瓣、阀杆 Disc, stem
H41F-16	材料 Materials	铸钢衬聚四氟乙烯 Cast steel lining ptfе	碳钢衬聚四氟乙烯 Carbon steel lining ptfе
H41F-16		铸钢衬全氟乙丙烯 Cast steel lining fep	碳钢衬全氟乙丙烯 Carbon steel lining fep

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

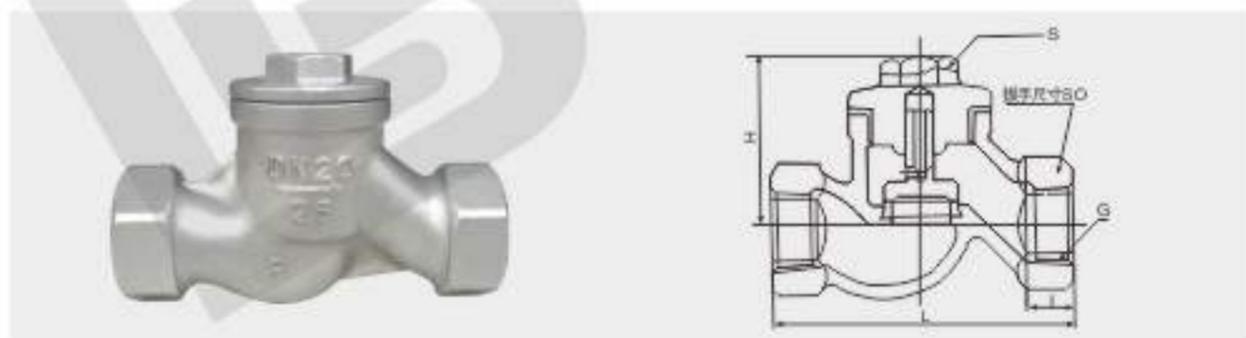
公称直径 DN	L	D	D1	D2	F	B	Z-Φd
20	150	105	75	50	3.5	18	4-Φ13.5
25	160	115	85	55	3.5	18	4-Φ13.5
32	180	140	100	74	3.5	18	4-Φ17.5
40	200	150	110	84	3.5	20	4-Φ17.5
50	230	165	125	100	4	20	4-Φ17.5
65	290	185	145	124	4	22	4-Φ17.5
80	310	200	160	134	4	24	8-Φ17.5
100	350	220	180	154	4	24	8-Φ17.5
125	400	250	210	180	4	26	8-Φ17.5
150	480	280	240	210	4	28	8-Φ23
200	600	335	295	265	4	30	12-Φ23

H14W 内螺纹止回阀 200Lb H14W Threaded Check Valve 200 Lb

主要外形尺寸 Main Outline Dimensions 单位 Unit:mm

Size	d	L	H	Cv FACTOR
1/2"	15	65	44	6.9
3/4"	20	80	53	16.3
1"	25	90	56	30.0
1 1/4"	32	105	62	49.0
1 1/2"	40	120	73	72.0
2"	50	141	78	130.0

材料目录 Material List

序号 NO	部件 Parts	材质 Material
1	阀体 Body	ASTM A351 CF8M
2	阀盖 Bonnet	ASTM A351 CF8M
3	中塞 Disc	ASTM A351 CF8M
4	螺栓 Plug	S.S.316
5	插销 Pin	S.S.316
6	小薄片 Small chip	PTFE
7	大薄片 Gasket	PTFE


主要外形尺寸 Main Outline Dimensions

单位 Unit:mm

公称通径 DN	管螺纹 G/in	L	I	S	SO	H
15	G1/2	90	14	27	30	60
20	G3/4	100	16	27	36	62
25	G1	120	18	30	46	75
32	G1 1/4	140	20	36	55	84
40	G1 1/2	170	22	36	60	95
50	G2	200	24	46	75	109
65	G2 1/2	260	26	50	90	128


球阀系列
 Ball Valve Series

□ 产品结构特征

浮动式球阀主要适用于天然气、油品、化工、冶金、城建、环保、制药、食品等行业，其中抗硫系列产品适用于含硫化氢介质、杂质多、腐蚀严重的天然气长输管线。系列浮动式球阀结构特点为：

★独特的阀座密封结构 浮动式球阀采用双斜面弹性密封圈或V型槽弹性密封圈结构设计，保证密封的可靠性。对于低压、超低压或真空工况用球阀，采用板簧加载的阀座密封结构，能确保球阀长期可靠的密封。中、高温球阀的阀座材料可选用对位置苯或金属材料。

★自动泄压结构 当中腔压力出现异常升高现象时，中腔介质能依靠本身的推力推动阀座而自动泄压，从而确保阀体的安全。

★阀杆的可靠密封 阀杆采用有侧密封的下装式结构，侧密封的密封力随介质压力的增高而增大，故能确保阀杆的可靠密封。而且，当阀腔异常升压时，阀杆不会喷出。

★防火结构 根据工况及用户的需要，球阀可设计为防火结构。球阀的耐火设计执行API 607、API 6FA及JB/T 6899等标准的规定，一旦发生火灾而使软密封圈烧损时，球阀的防火结构可阻止介质的大量泄漏，防止火灾的进一步扩大。

★防静电结构 当操作阀门时，由于球体和阀座之间的摩擦，会产生静电电荷并积聚在球体上，为防止产生静电火花，特在阀门上设置防静电装置，将积聚在球体上的电荷导出。

★锁定装置 在手动球阀的全开、全闭两点位置上设计可上锁的结构，这样可防止误操作以及不可预知的线路振动而产生的不应有的开关现象，特别是在可燃性介质的石油类和化学药品的生产线，以及阀门在室外配管时，这种设计体现出的优点和实际效果特别好。

★全通径结构及缩径结构 为满足用户的不同需要，本公司球阀产品有全通径及缩径两种系列。全通径球阀的通道内径与管道内径一致，便于管理清扫。而缩径系列球阀的重量相对较轻，但流体阻力仅为相同口径截止阀的1/7左右，故缩径系列球阀的应用前景较为广阔。

□ PRODUCTS DESIGN FEATURES

Floating ball valve is mainly suitable for natural gas, oil, chemical industry, metallurgy, urban construction, environmental protection, pharmaceutical and food industries, which has series of products applicable to the medium containing hydrogen sulfide, sulfur impurities, severe corrosion of the natural gas long distance pipeline. Series for floating ball valve structure characteristic:

★ Specific Sealing Structure of Valve Base Double cant elastic seal ring or V-shaped groove seal ring structural design is adopted to ensure sealing reliability. As for low-pressure, ultralow pressure or vacuum-operated ball valves, a plate spring-loaded sealing structure of valve base is adopted to ensure their longterm sealing reliability. As for moderate or high temperature ball valves, Para-position polyphenylene or mental can be adopted for valve base material.

★ Automatic pressure relief structure When the pressure in cloaca cavity increases singularly, the cavity medium can push valve base by its own thrusting force, which results in automatic pressure relief and valve security assurance. K Reliable Sealing of Valve Rod The valve rod adopts downward installation structure with back sealing. The sealing force will increase together with the heig-htening of medium pressure, which can ensure the sealing reliability. Moreover, even if the pressure in valve cavity increases singularly, the valve rod will not burst out.

★ Fire-resistant Structure According to the operating condition and users requirement, ball valve can be designed with a fire resistant structure up to the fire-resistant standards of API607, API 6FA and JB/T6899. Once the soft seal ring is burnt out on fire, the structure can avoid serious leaking of the medium and prevent the fire from scaling up.

★ Anti-static Structure While operating the valve, the friction between the sphere and the base will produce static charges accumulating on the sphere. To aVoid static sparkle, the fire-resistant device is designed to derive the accumulated static sparkle, charges from the sphere. - Locking Device A locking structure is designed on the full-open and full-close spots of manual ball valves to avoid abnormal open-and-close produced by misoperation or unpredictable circuit vibration. On production lines of petroleum and chemicals of flammable mediums, and during the course of outdoor piping, the design is especially advantageous and practical.

★ Full Bore Structure and Reduced Bore Structure The two structure series are produced to meet different requirements of users. The passage inside diameter of full diameter ball valves is the same as that of valve pipe, which is convenient for pipe cleaning. The weight of retractive diameter ball valves is relatively lighter, but the fluid resistance is just 1/7 that of stop valves with the same caliber. Therefore, the application prospects of retractive diameter series is much better.

□ 采用标准 Standards

国标浮动式球阀 GB Floating Ball Valve
设计制造 Design and Manufacture: GB/T19672、GB/T12237
结构长度 Face to Face Dimension: GB/T12221、GB/T19672
法兰连接 Flange Connection Dimension: JB/T79、GB/T9113、HG20592
检验和试验 Test and Inspection: JB/T9092
防火结构设计 Fire-safe Design: JB/T6899

□ 浮动式球阀的结构设计特点 Construction And Features Of Floating Ball Valve

用途 Application

浮动式球阀适用于PN16~ Pn100的各种管路上，用于截断或接通管路中的介质。选用不同的材质，可分别适用于水、蒸汽、油品、液化气、天然气、煤气、硝酸、醋酸、氧化性介质、尿素等多种介质。驱动方式为手动、蜗轮蜗杆传动、气动或电动。浮动式球阀一般采用法兰连接，也可采用对焊连接。

Floating ball valves are suitable for use on various kinds of pipelines of PN16 to PN100 to turn on or off the pipeline medium, of which the operation types include manual, worm gear and pneumatic or electric actuators.



介质压力较小时 At lower medium pressure



介质压力较大时 Medium pressure is bigger

□ 阀座的可靠密封 Reliable Seat Seal

浮动式球阀采用弹性密封圈结构设计。当介质压力较小时，密封圈与球体接触面积较小，在密封圈与球体接触形成较大的密封比压，确保可靠密封。当介质压力较大时，随着密封圈的弹性变形，密封圈与球体的接触面积增大，故密封圈能承受较大的介质推力而不会损坏。

The structure design of elastic sealing ring has been adopted for floating ball valves. This seat design features a bigger sealing pressure ratio between the ring surface and the ball when medium pressure gets lower, where the contacting area is smaller. Thus, the reliable seal is ensured. When the medium pressure gets higher, the contacting area between seal ring and ball becomes bigger as the sealing ring transforms elastically to undertake the bigger force pushed by the medium without any damage.



火燒前 Before fire



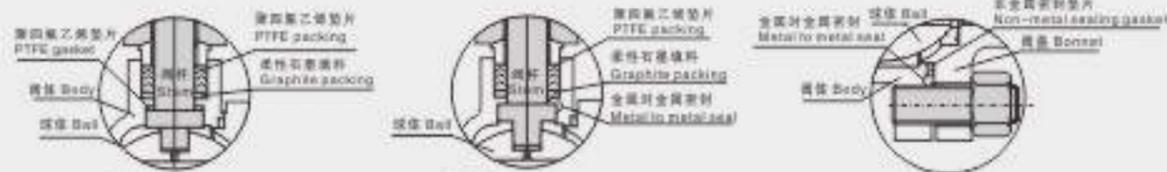
火燒后 After fire

阀座的防火结构设计 Fire safe design of seat

□ 防火结构设计 Fire Safe Design

在阀门的使用现场发生火灾时，当聚四氟乙烯等非金属材料制作的阀座密封圈、阀杆上密封垫、阀杆密封填料以及中法兰密封垫片在高温下分解或破坏后，球阀能够借助于特别设计的金属对金属辅助密封结构，有效地控制阀门的内漏和外漏。对于用户有防火要求的浮动式球阀，我们公司的防火设计均符合JB/T 6899等标准规范的要求。

With the valve heated in a fire application the non-metal material parts such as seat sealing ring of PTFE, stem back seal gasket, gland packing, and the sealing gasket between body and bonnet might disintegrate or be damaged due to high temperature. specially designed structure of auxiliary metal to metal seal is provided to effectively prevent both internal and external leakage of the valve. As required by customers, floating ball valves with fire safe design can meet the requirement of JB/T 6899



火烧前 Before fire

火烧后 After fire

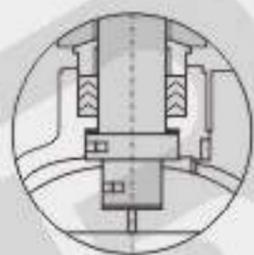
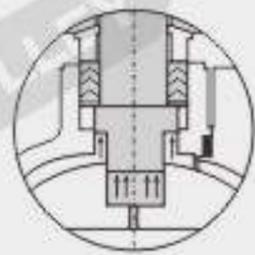
 阀杆的防火结构设计
 Fire safe design of stem

 中法兰密封的防火结构设计
 Fire safe design of valve body and bonnet flanges

□ 阀杆的可靠密封 Reliable Stem Seal

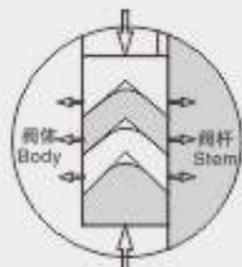
阀杆采用防吹出结构设计,即使在阀腔异常升压以及填料压板失效等极端情况下,也能保证阀杆不会被介质吹出。阀杆采用有倒密封的下装式设计,倒密封的密封力随着介质压力的增高而增大,故能在各种压力下均能确保阀杆的可靠密封。

The blow-out proof design has been adopted for the stem to ensure that even if the pressure in the body cavity is risen accidentally and the packing flange becomes invalid, the stem may not be blown out by medium. The stem features the design with a backseat, being assembled from underneath. The sealing force against the backseat gets higher as the medium pressure becomes higher. So the reliable seal of the stem can be assured under variable medium pressure.


 下装式阀杆不会被介质压力吹出
 Stem assembled from underneath may not be blown out by medium

 上装式阀杆有被介质压力吹出的可能
 Stem assembled downward may be blown out

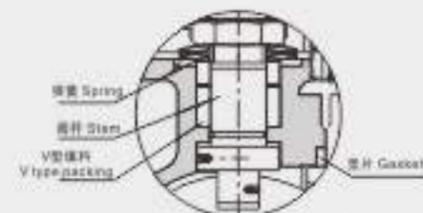
阀杆采用V型填料密封结构, V型填料能将填料压盖的压紧力及介质力有效地转化成阀杆的密封力。

Stem adopts V-shaped packing seal structure, V type packing structure has been employed to effectively transform the pushing force of the gland flange and the medium pressure into the sealing force against the stem.


 填料压紧前
 Packing before pressed

 填料压紧后
 Packing after pressed

根据用户的需要,可以采用蝶形弹簧加载的填料压紧机构,使阀杆填料的密封更加可靠。

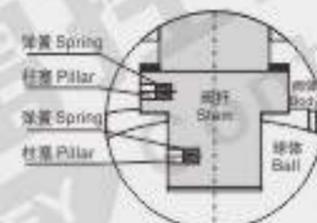
Based on customers' requirement, a packing tightening design may be employed to obtain more reliable stem packing seal, which is loaded by bevo-ling spring.


 采用蝶形弹簧加载的填料压紧机构
 The butterfly spring loaded packing pressure mechanism

□ 防静电结构 Anti-static Feature

根据用户要求,球阀可以设有防静电结构。采用弹簧—柱塞式静电引出装置,使球体与阀体之间直接形成静电通道(对于DN<25的球阀)或通过阀杆使球体与阀体之间形成静电通道(对于DN>32的球阀)。从而可将球体与阀座开关过程中摩擦产生的静电通过阀体引到大地,防止静电火花可能引起的火灾或爆炸等危险。

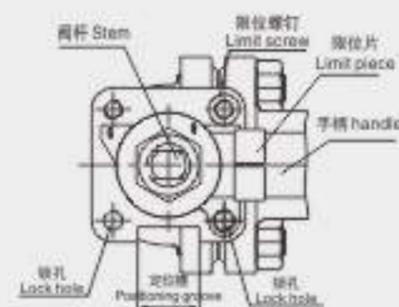
According to user requirements, ball valve can be equipped with anti-static structure. Use spring a plunger type electrostatic eduction device, make the sphere and valve body directly formed between static channel (for DN<25 Ball valves) or through the valve rod make sphere and valve body formed between static channel (for DN>32 Ball valves). To push the ball and seat switch process friction static through the body leads to the earth, and to prevent electrostatic spark may cause fire or explosion, and dangerous.


 球阀防静电结构设计
 Anti-Static design for ball valve

□ 防止误操作 Wrong Operation Prevention

设置了带锁孔的90°开关定位片,根据需要可以加锁,防止错误操作。阀杆头部安装手柄的部位采用扁形设计,当阀门开启时,手柄与管道平行,当阀门关闭时,手柄与管道垂直,能够确保阀门的开关指示不会发生错误。

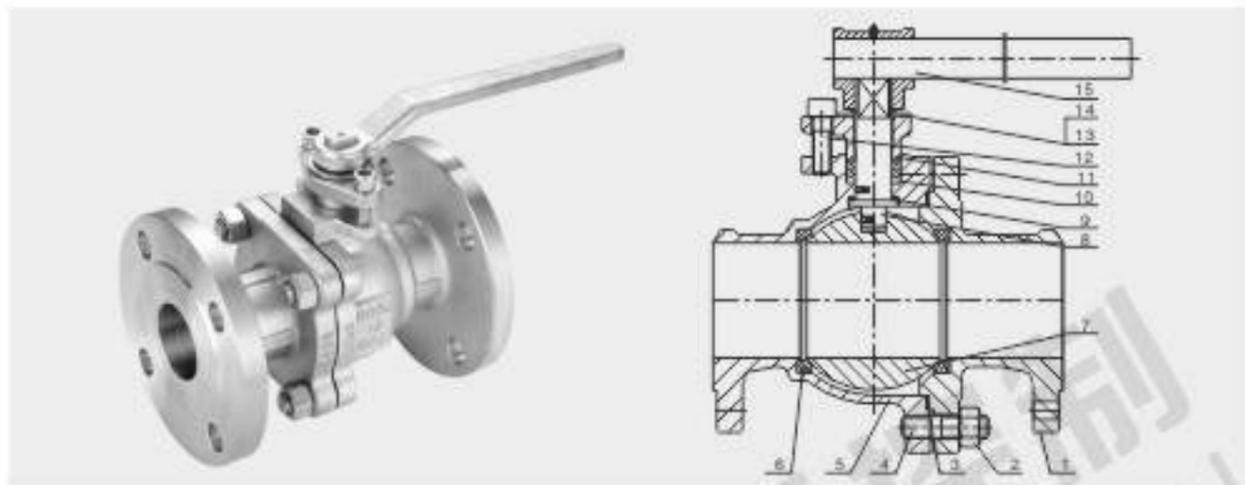
To prevent the ball valve from wrong operation the key lock with 90° of open and close positioning pad has been provided, which can be lockable as required. At the stem head, where the lever fixes, a flat is so designed that the valve opens with the lever in parallel to piping, and with the lever right-angled to the piping, the valve is closed. So it is ensured that the valve indicator of open and close can never make mistake.



□ 驱动装置安装平台的设置 Mounting Pad Provided

我们公司的浮动式球阀均设置了安装驱动装置的支架平台,通过驱动装置支架,可以方便的安装蜗轮蜗杆传动装置、气动装置或电动装置。

Our company has provided for floating ball valve with a mounting pad, through which it is easy to fix the actuators, such as worm gear, pneumatic and electric actuators.


产品采用标准 Technical Specification

设计依据 Design reference	设计标准 Design standard	结构长度 Structural length	连接法兰 Flanged ends	对焊端 Butt-welding ends	试验和检验 Test & inspection
GB	GB/T 19672 GB/T 12237	GB/T 12221	GB/T 9113 JB/T 79	GB/T 12224	JB/T 9092

注：阀门连接法兰及对焊端尺寸可根据用户要求设计制造。

Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

主要零件材料 Major Parts Material Form

序号 No	零件名称 Accessory name	材料 Material
		GB
1	阀盖 Bonnet	WCB
2	螺母 Nut	35
3	垫片 Gasket	柔性石墨+不锈钢 Graphite+stainless steel
4	螺栓 Stud	35CrMoA
5	阀体 Body	WCB
6	阀座 Seat	PTFE
7	球体 Ball*	25+HCr
8	阀杆 Stem**	1Cr13
9	垫片 Gasket	PTFE
10	填料 Packing	柔性石墨 Graphite
11	填料压盖 Packing gland	WCB
12	螺钉 Screw nail	35
13	定位片 Locating piece	Q235A
14	指圈 Ring	65Mn
15	手柄 Wrench	KT33

注：*抗硫型阀门该零件的材质为GB(1Cr18Ni9+NiP)、ASTM(A182-304+NiP)

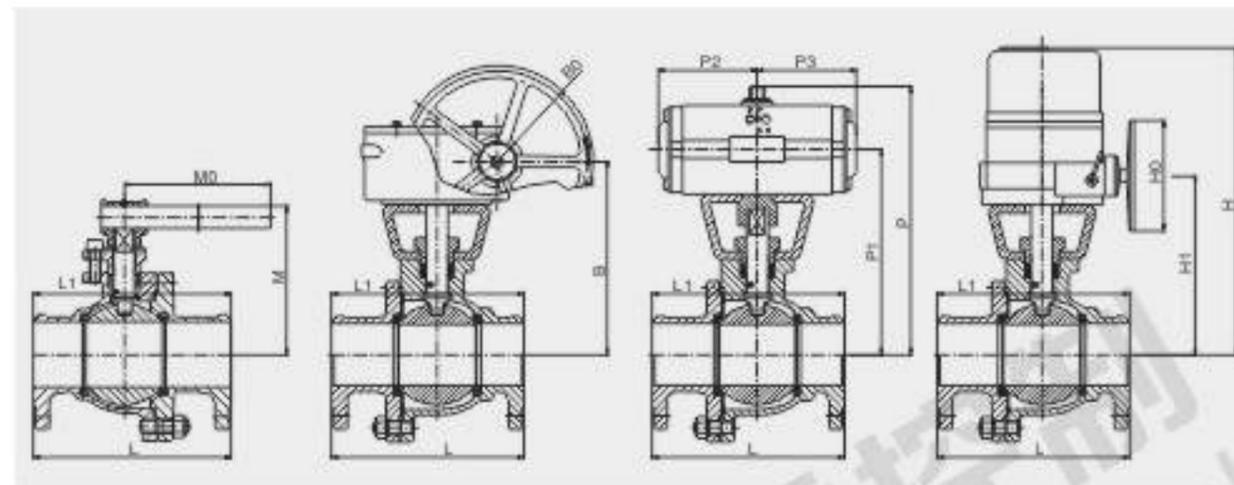
The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9+NiP), ASTM(A182-304+NiP)

**抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276-321)

The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9),ASTM(A276-321)

系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。

Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement


主要外形尺寸 Main Size Of Outside

型号 Model: Q3(6, 7, 8, 9)4(6)1F(Y, N, PPL)

压力等级 Pressure	公称直径 Nominal diameter	法兰 Flange		对焊 Butt welding	手动 Hand-operated	蜗轮蜗杆 Worm gear worm			气动、液动 Air-operating and Fluid driving				电动 Electric driving					
		L				B	B0	蜗轮	P	P1	P2	P3	蜗轮	H	H1	H0	蜗轮	
mm	系列1	系列2	L1	M	M0													蜗轮
1.6MPa 2.5MPa	15	130	140	140	59	130	-	-	-	200	122	326	136	AG06	-	-	-	-
	20	140	150	152	63	130	-	-	-	204	126	326	136	AG09	-	-	-	-
	25	150	165	165	75	160	-	-	-	257	162	347	181	AG09	-	-	-	-
	32	165	180	178	95	230	-	-	-	245	169	420	181	AG13	-	-	-	-
	40	180	200	190.5	95	230	-	-	-	264	169	420	181	AG13	-	-	-	-
	50	200	220	216	107	230	-	-	-	340	209	426	257	AG13	472	377	190	Q60-1
	65	220	250	273	142	400	-	-	-	370	239	426	257	AG13	486	391	190	Q60-1
	80	250	280	310	152	400	-	-	-	389	258	490	257	AG13	579	484	190	Q60-1
	100	280	320	350	178	650	-	-	-	594	337	523	287	AG13	595	500	190	Q60-1
	125	320	360	400	252	1050	-	-	-	646	437	378	378	AW17	650	500	400	Q120-1
	150	360	400	457	272	1050	292	400	A	646	437	378	378	AW17	739	589	400	Q120-1
	200	400	457	521	342	1410	396	600	B	781	537	530	530	AW20	799	649	400	Q120-1

注：缩径阀门结构长度、连接法兰按不缩径规格；阀门高度、驱动装置尺寸同缩径一个规格尺寸。

Note: The face to face dimension and connecting flange of a diameter reduced valve are per the non-reducing norms; the sizes of both valve height and actuator are reduced by one norm size

主要外形尺寸 Main Size Of Outside

型号 Model: Q3(6, 7, 8, 9)4(6)1F(Y, N, PPL)

压力等级 Pressure	公称直径 Nominal diameter	法兰 Flange		对焊 Butt welding	手动 Hand-operated		蜗轮蜗杆 Worm gear worm			气动、液动 Air-operating and Fluid driving					电动 Electric driving			
		L			M	M0	B	B0	型号	P	P1	P2	P3	型号	H	H1	H0	型号
		系列1	系列2															
4.0MPa	15	130	140	140	59	130	-	-	-	200	122	326	136	AG06	-	-	-	-
	20	140	150	152	63	130	-	-	-	204	126	326	136	AG09	-	-	-	-
	25	150	160	165	75	160	-	-	-	257	162	347	181	AG09	-	-	-	-
	32	169	180	178	95	230	-	-	-	245	169	420	181	AG13	-	-	-	-
	40	180	200	190.5	95	230	-	-	-	284	169	420	181	AG13	-	-	-	-
	50	200	220	216	107	230	-	-	-	340	209	426	257	AG13	472	377	190	Q60-1
	65	220	250	241	142	400	-	-	-	379	248	426	257	AG13	486	391	190	Q60-1
	80	250	280	283	152	400	-	-	-	452	295	490	257	AG13	579	484	190	Q60-1
	100	280	320	305	178	650	-	-	-	594	375	523	287	AG13	595	500	190	Q60-1
	125	320	400	381	252	1050	-	-	-	646	437	378	378	AW17	650	500	400	Q120-1
6.4MPa 10.0MPa	15	165	140	165	59	160	-	-	-	200	122	326	136	AG06	-	-	-	-
	20	190.5	160	190.5	63	160	-	-	-	204	126	326	136	AG09	-	-	-	-
	25	216	180	216	75	230	-	-	-	257	162	347	181	AG09	-	-	-	-
	32	178	200	178	95	230	-	-	-	245	169	420	181	AG13	-	-	-	-
	40	241	220	241	95	400	-	-	-	284	169	420	181	AG13	-	-	-	-
	50	282	250	292	167	400	-	-	-	340	209	426	257	AG13	472	377	400	Q120-1
	65	330	280	330	180	650	-	-	-	379	248	426	257	AG13	599	449	400	Q120-1
	80	356	320	356	198	650	292	400	A	452	295	490	257	AG13	599	449	400	Q120-1
	100	406 432	360	406 432	198	1050	398	600	B	594	375	378	378	AW17	632	472	400	Q120-1
	150	559	500	559	-	-	400	800	C	650	425	378	378	AW17	650	430	400	Q250-1
200	660	600	660	-	-	430	800	C	680	485	530	530	AW20	710	490	400	Q250-1	

注：缩径阀门结构长度、连接法兰按不缩径规格；阀门高度、驱动装置尺寸同缩小一个规格尺寸。

① 457为PN2.5MPa, 4.0MPa尺寸。

Note: The face to face dimension and connecting flange of a diameter reduced valve are per the non-reducing norms; the sizes of both valve height and actuator are reduced by one norm size

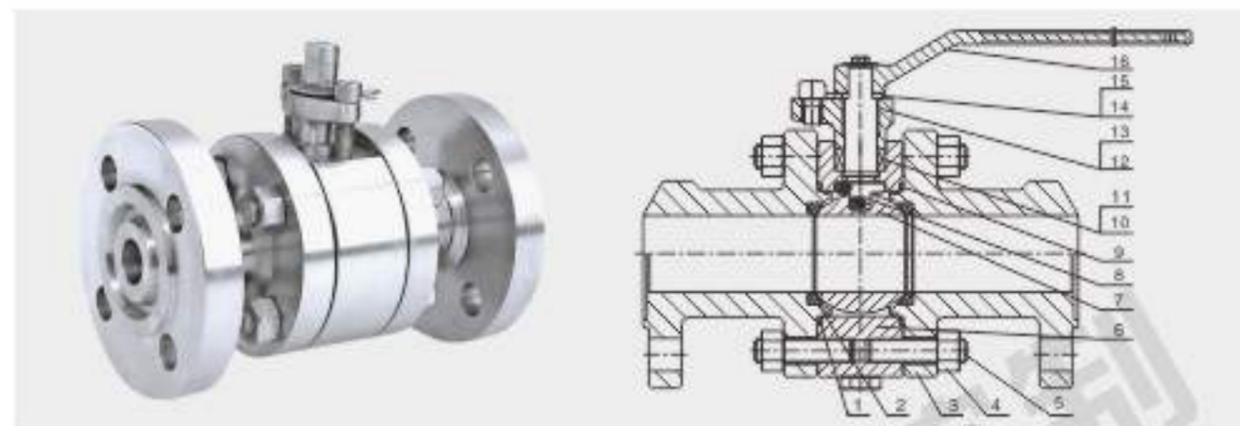
① 457 to be the size of PN2.5Mpa, 4.0Mpa.

注：缩径阀门结构长度、连接法兰按不缩径规格；阀门高度、驱动装置尺寸同缩小一个规格尺寸。

① 406为PN6.4Mpa, Class400Lb尺寸；432为PN10.0MPa。

Note: The face to face dimension and connecting flange of a diameter reduced valve are per the non-reducing norms; the sizes of both valve height and actuator are reduced by one norm size

① 406 to be the size of PN6.4Mpa, Class400Lb; 432 to be the size of PN10.0Mpa.



产品采用标准 Technical Specification

设计依据 Design reference	设计标准 Design standard	结构长度 Structural length	连接法兰 Flanged ender	对焊端 Butt-welding ends	试验和检验 Test & inspection
GB	GB/T 19672 GB/T 12237	GB/T 12221	GB/T9113 JB/T 79	GB/T 12224	JB/T 9092

注：阀门连接法兰及对焊端尺寸可根据用户要求设计制造。

Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

主要零件材料 Major Parts Material Form

序号 No	零件名称 Accessory name	材料 Material
		GB
1	垫片 Gasket	柔性石墨+不锈钢 Graphite+stainless steel
2	阀座 Seat	PTFE
3	右体 Bonnet	25
4	螺母 Nut	32
5	螺柱 Stud	35CrMoA
6	阀体 Body	25
7	球体 Ball*	25+HCr
8	阀杆 Stem**	1Cr13
9	垫片 Gasket	PTFE
10	填料垫 Packing seat	1Cr13
11	填料 Packing	柔性石墨 Graphite
12	填料压盖 Packing gland	WCB
13	螺栓 Bolt	35CrMoA
14	定位片 Locating piece	Q235A
15	指圈 Ring	65Mn
16	手柄 Handle	KT33

注：*抗硫型阀门该零件的材质为GB(1Cr18Ni9+Ni.P)、ASTM(A182-304+Ni.P)

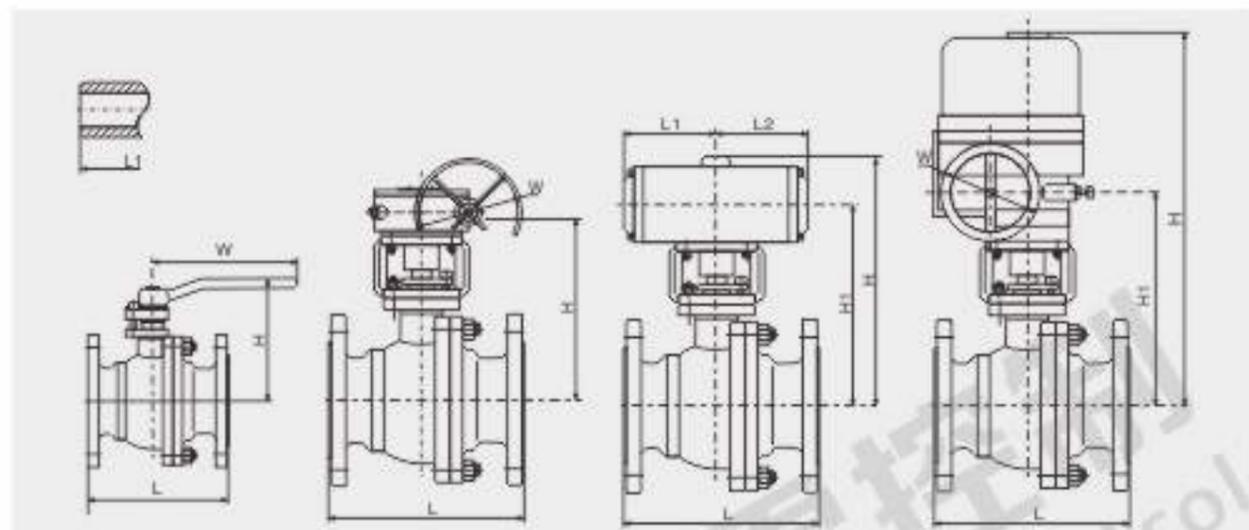
The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9+Ni.P), ASTM(A182-304+Ni.P)

**抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276-321)

The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9), ASTM(A276-321)

系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。

Major parts of the valve series and materials of sealing surface differs according to actual working condition and customer's special requirement.


主要外形尺寸及重量 Main Dimensions & Weight

PN1.6MPa Class 150

DN	mm	15	20	25	40	50	65	80	100	125	150	200
NPS	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	8
法兰 Flange	L	108	117	127	165	178	190	203	229	356	394	457
对焊 Butt Welding	L1	140	152	165	190	216	241	282	305	381	403	419
手动 Hand-Operated	H	73	78	86	102	130	142	191	200	226	242	285
	W	130	130	160	180	230	400	400	460	750	750	900
	WT(Kg)	3	4	6	12	15	19	22	46	65	85	127
蜗轮蜗杆传动 Worm Gear Operated	H	-	-	-	-	-	-	-	-	260	300	-
	W	-	-	-	-	-	-	-	-	400	600	-
	型号 Type	-	-	-	-	-	-	-	-	A	B	-
气动 Air-Operating	WT(Kg)	-	-	-	-	-	-	-	-	110	175	-
	H	203	234	242	326	354	366	415	485	607	623	742
	H1	125	139	147	195	223	235	284	328	398	414	498
	L1	326	326	347	420	426	426	590	523	610	610	885
	L2	136	136	181	181	257	257	257	287	378	378	530
	型号 Type	AG06	AG09	AG09	AG13	AG13	AG13	AG13	AW13	AW17	AW17	AW20
WT(Kg)	6.1	6.3	8.1	14.1	16.6	38.0	42.1	53.0	93.5	105.2	207.8	
电动 Electric Driving	H	-	-	-	-	432	443	454	493	574	646	678
	H1	-	-	-	-	337	348	359	398	424	496	528
	W	-	-	-	-	190	190	190	190	400	400	400
	型号 Type	-	-	-	-	Q60-1	Q60-1	Q60-1	Q60-1	Q120-1	Q120-1	Q120-1
	WT(Kg)	-	-	-	-	23	25	60	75	97	162	226

主要外形尺寸及重量 Main Dimensions & Weight

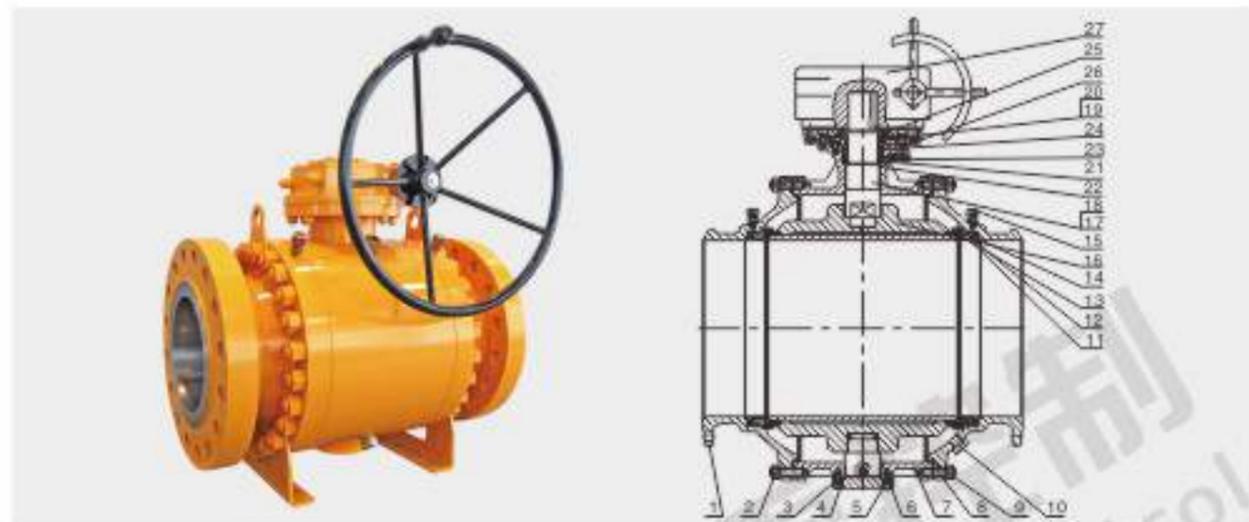
PN2.5/4.0MPa Class 300

DN	mm	15	20	25	40	50	65	80	100	125	150	200
NPS	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	8
法兰 Flange	L	140	152	165	190	216	241	282	305	381	403	502
对焊 Butt Welding	L1	140	152	165	190	216	241	282	305	381	403	502
手动 Hand-Operated	H	73	80	86	102	136	164	191	223	240	253	307
	W	140	140	180	230	240	400	400	750	750	900	1000
	Kg	4	6	6.8	11.2	18.3	32	38	78	85	102	125
蜗轮蜗杆传动 Worm Gear Operated	H	-	-	-	-	-	-	-	-	-	325	387
	W	-	-	-	-	-	-	-	-	-	400	600
	型号 Type	-	-	-	-	-	-	-	-	-	A	B
气动 Air-Operating	Kg	-	-	-	-	-	-	-	-	-	148	196
	H	204	236	242	326	359	388	415	508	621	675	824
	H1	126	141	147	195	228	257	284	351	412	466	580
	L1	326	326	347	420	426	426	590	523	610	610	885
	L2	136	136	181	181	257	257	257	287	378	378	530
	型号 Type	AG06	AG09	AG09	AG13	AG13	AG13	AG13	AW13	AW17	AW17	AW20
Kg	6.2	6.4	8.5	16.9	20.9	42.5	52.7	77.9	107.0	130	220	
电动 Electric Driving	H	-	-	-	-	432	443	454	493	574	646	678
	H1	-	-	-	-	337	348	359	398	424	496	528
	W	-	-	-	-	190	190	190	190	400	400	400
	型号 Type	-	-	-	-	Q60-1	Q60-1	Q60-1	Q60-1	Q120-1	Q120-1	Q120-1
	Kg	-	-	-	-	23	35	60	75	100	170	245

主要外形尺寸及重量 Main Dimensions & Weight

PN6.4/10.0MPa Class 400/600

DN	mm	15	20	25	40	50	65	80	100
NPS	in	1/2	3/4	1	1 1/2	2	2 1/2	3	4
法兰 Flange	L	165	190	216	241	292	330	356	406(432)*
对焊 Butt Welding	L1	165	190	216	241	292	330	356	406(432)
手动 Hand-Operated	H	73	80	86	110	142	171	185	220
	W	160	160	230	400	400	650	650	800
	Kg	4.5	6.2	7.5	12.5	26.1	38	44	65
蜗轮蜗杆传动 Worm Gear Operated	H	-	-	-	-	-	-	182	217
	W	-	-	-	-	-	-	280	400
	型号 Type	-	-	-	-	-	-	O	A
气动 Air-Operating	Kg	-	-	-	-	-	-	50	95
	H	229	236	242	266	366	395	470	601
	H1	134	141	147	171	235	264	313	392
	L1	283	283	283	350	590	590	523	610
	L2	136	181	181	181	257	257	287	378
	型号 Type	AG09	AG09	AG09	AG09	AG13	AG13	AG13	AW17
Kg	6.5	6.8	9.3	17.8	33.6	45.1	55.3	81.3	
电动 Electric Driving	H	-	-	-	-	500	520	545	558
	H1	-	-	-	-	350	370	395	408
	W	-	-	-	-	190	190	190	190
	型号 Type	-	-	-	-	Q120-1	Q120-1	Q120-1	Q120-1
	Kg	-	-	-	-	26	41	72	92



产品采用标准 Technical Specification

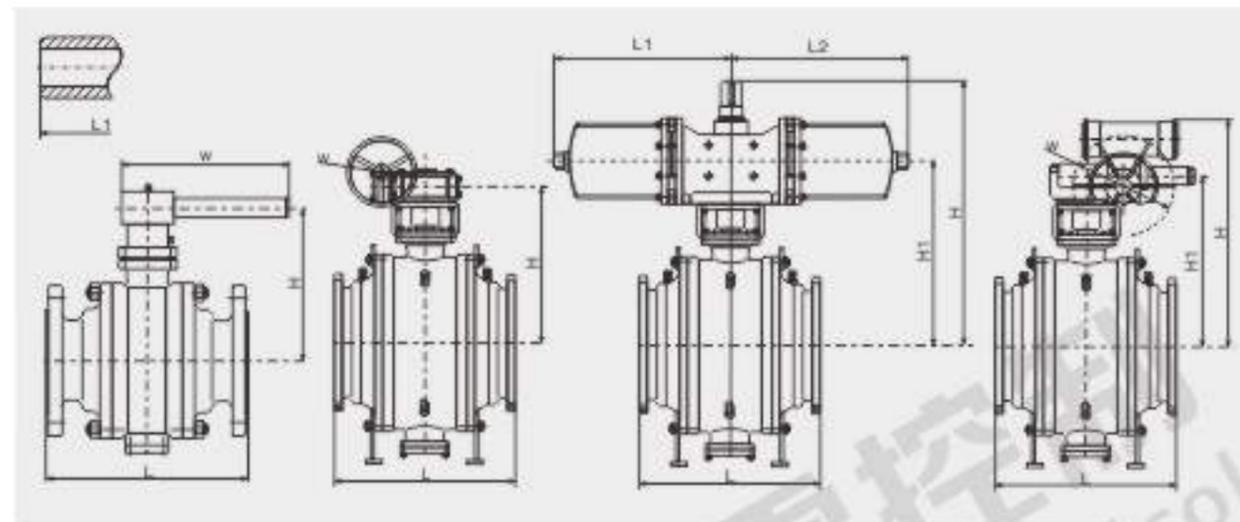
设计依据 Design reference	设计标准 Design standard	结构长度 Structural length	连接法兰 Flanged ends	对焊端 Butt-welding ends	试验和检验 Test & inspection
GB	GB/T 19672 GB/T 12237	GB/T 12221	GB/T9113 JB/T 79	GB/T 12224	JB/T 9092

注：阀门连接法兰及对焊端尺寸可根据用户要求设计制造。
Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

主要零件材料 Major Parts Material Form

序号 No	零件名称 Accessory name	材料 Material		序号 No	零件名称 Accessory name	材料 Material	
		GB				GB	
1	端盖 End covering	WCB		15	注脂阀 Grease injection valve	组件 Package	
2	螺母 Nut	35		16	球体 Ball*	WCB+HCr	
3	底盖 Bottom cover	WCB		17	阀杆 Stem**	1Cr13	
4	垫片 Gasket	PTFE-柔性石墨+不锈钢 PTFE, Graphite+SS		18	键 Key	45	
5	螺钉 Screw	35CrMo		19	垫片 Gasket	PTFE+不锈钢 PTFE+SS	
6	下阀杆 Put the valve stem**	1Cr13		20	O型圈 O' Ring	NBR	
7	O型圈 O' Ring	NBR		21	填料箱 Packing case	25	
8	垫片 Gasket	PTFE-柔性石墨+不锈钢 PTFE, Graphite+SS		22	螺钉 Screw	35CrMo	
9	阀体 Body	WCB		23	填料垫 Packing seat	1Cr13	
10	排污塞 Blowdown is filled m	25		24	填料 Packing	PTFE+碳纤维; 柔性石墨 PTFE; Carbon fibre; Soft graphite	
11	弹簧 Spring	Inconel x-750		25	填料压盖 Packing gland	WCB	
12	阀座 Seat*	25		26	支架 Yoke	Q235A	
13	密封圈 Sealing ring	PTFE		27	连接套 Connection set	45	
14	O型圈 O' Ring	NBR					

注：*抗硫型阀门该零件的材质为GB(1Cr18Ni9+Ni.P)、ASTM(A182-304+Ni.P) The material of this part about the anti-sulphur type valve is GB (1Cr18Ni9+Ni.P), ASTM(A182-304+Ni.P)
**抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276-321) The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9), ASTM(A276-321)
系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。
Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.



主要外形尺寸及重量 Main Dimensions & Weight

PN1.6MPa Class 150

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	in	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法兰 Flange	L	178	191	203	229	356	394	457	533	610	686	762	864	914	1067	1245	1372	1524	1721	1829	2180	2300	2400
对焊 But Welding	L1	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1348	1524	1727	1930	1889	2100	2250	2400
手动 Hand- Operated	H	107	125	152	178	300	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	230	400	400	450	700	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	9.5	15	19	33	58	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗 杆传动 Worm Gear Operated	H	-	-	-	-	-	-	398	495	580	625	670	698	840	1050	1100	1150	1230	1320	1480	1610	1780	1865
	W	-	-	-	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800
	kg	-	-	-	-	-	-	160	180	240	390	510	750	1190	2600	3000	4490	7800	12580	14280	21900	34100	46200
气动 Air- Operating	H	269	379	389	479	552	666	804	839	972	1127	1459	1529	1559	1145	1160	1460	1540	1630	-	-	-	-
	H1	174	248	258	322	395	457	595	630	728	883	1154	1224	1294	915	930	1100	1180	1280	-	-	-	-
	W	89	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	-	-	-	-
电动 Electric Driving	L2	181	257	257	287	378	378	378	530	530	680	680	680	680	1455	1455	1665	1665	1960	-	-	-	-
	kg	16.6	38	42.1	53	95.3	105.2	207.8	255	409	518	838	1067	1295	2330	3200	4750	8200	13200	-	-	-	-
	型号 Type	AG09	AG13	AG13	AW13	AW13	AW17	AW17	AW17	AW20	AW20	AW28	AW28	AW28	C1-35C	C1-35C	C2-49C	C2-49C	C3-60C	-	-	-	-
电动 Electric Driving	H	-	-	-	-	-	554	600	652	761	771	831	921	943	1123	1218	1328	1696	1925	2105	2245	2395	2470
	H1	-	-	-	-	-	337	382	435	480	520	580	670	770	850	945	1055	1130	1240	1420	1560	1710	1785
	W	-	-	-	-	-	200	200	200	280	280	280	305	305	305	400	400	460	460	600	600	600	600
电动 Electric Driving	kg	-	-	-	-	-	127	210	270	420	535	862	1100	1350	2420	3410	5120	9100	14100	15200	22300	36000	47000
	型号 Type	-	-	-	-	-	SVC-04																

主要外形尺寸及重量 Main Dimensions & Weight

PN2.5, 4.0MPa Class 300

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	in	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法兰 Flange	L	216	241	283	305	381	403	502	568	648	762	838	914	991	1143	1346	1524	1727	2083	2050	2180	2300	2400
对焊 Butt Welding	L1	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1346	1524	1727	2083	1960	2020	2250	2400
手动 Hand-Operated	H	107	125	152	178	300	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	230	400	400	600	700	800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	20.9	42.5	52.9	92	145	182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗杆传动 Worm Gear Operated	H	-	-	-	-	-	398	495	580	625	670	698	840	1050	1100	1150	1230	1320	1480	1610	1780	1865	-
	W	-	-	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
	型号 Type	-	-	-	-	-	B	C	C	C	D	D	DA	DB	DC	DC	DD	DD	DD	DH	DH	DH	-
	kg	-	-	-	-	-	278	500	733	1029	1418	1592	2195	3460	5770	7932	10093	13775	18105	24067	38159	52350	-
气动 Air-Operating	H	269	379	452	579	595	595	736	942	994	1188	1280	1480	1554	1380	1430	1749	1540	1630	-	-	-	-
	H1	209	248	295	322	386	386	527	698	750	883	975	1080	1154	930	980	1149	1180	1280	-	-	-	-
	L1	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	1960	-	-	-	-
	L2	181	257	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	1960	-	-	-	-
	型号 Type	AG13	AG13	AW13	AW13	AW17	AW17	AW20	AW20	AW28	AW28	C1-365	C1-365	C2-490	C2-490	C2-490	C2-490	C3-600	C3-600	-	-	-	-
kg	20.9	42.5	52.7	77.9	107	130	220	280	450	570	920	1140	1360	2450	3360	5800	7900	10200	-	-	-	-	
电动 Electric Driving	H	-	-	-	-	554	600	652	761	771	831	921	943	1123	1218	1328	1696	1925	2105	2245	2395	2470	-
	H1	-	-	-	-	337	382	435	480	520	580	670	770	850	945	1055	1130	1240	1420	1560	1710	1785	-
	W	-	-	-	-	200	200	200	280	280	280	305	305	305	400	400	460	460	600	600	600	600	600
	型号 Type	-	-	-	-	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0						
	kg	-	-	-	-	142	240	320	475	590	1050	1200	1470	2520	3720	6250	8300	11200	16200	25100	39400	55600	-

主要外形尺寸及重量 Main Dimensions & Weight

PN6.4MPa Class 400

DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500	
NPS	in	2	2½	3	4	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60	
法兰 Flange	L	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2057	2400	2400	2700	
对焊 Butt Welding	L1	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2050	2180	2300	2400	
手动 Hand-Operated	H	108	155	197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	230	400	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	25	45	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗杆传动 Worm Gear Operated	H	-	-	-	235	300	374	445	512	550	615	750	810	1050	1100	1180	1274	1366	1540	1680	1840	1915	
	W	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
	型号 Type	-	-	-	B	C	C	C	D	D	DA	DA	DB	DC	DD	DD	DH	DH	DJ	DJ	DK	DK	-
	kg	-	-	-	66	145	250	540	780	1000	1300	2100	3400	5000	6520	8350	1250	14100	72500	29500	42100	62500	-
气动 Air-Operating	H	269	-	519	636	728	839	1014	1120	1225	1480	-	1480	1365	1430	-	-	-	-	-	-	-	-
	H1	209	-	295	322	386	527	698	750	883	1080	-	1080	915	980	-	-	-	-	-	-	-	-
	L1	148	-	287	287	378	378	530	530	680	680	-	680	1665	1665	-	-	-	-	-	-	-	-
	L2	257	-	287	287	378	378	530	530	680	680	-	680	1665	1665	-	-	-	-	-	-	-	-
	型号 Type	AG13	-	AW13	AW13	AW17	AW20	AW20	AW28	AW28	C1-365	-	C1-365	C2-490	C2-490	-	-	-	-	-	-	-	-
kg	33.6	-	5.3	81.2	133.6	236.6	480	760	1050	1400	-	2300	3600	5200	-	-	-	-	-	-	-	-	
电动 Electric Driving	H	-	-	-	-	554	600	652	761	771	831	921	943	1123	1218	1328	1615	1925	2164	2324	2474	2544	
	H1	-	-	-	-	337	382	435	480	520	580	670	770	850	945	1055	1130	1240	1440	1660	1750	1820	
	W	-	-	-	-	200	200	200	280	280	280	305	305	305	460	460	600	600	600	600	600	600	600
	型号 Type	-	-	-	-	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0
	kg	-	-	-	-	154	240	495	793	1125	1610	1800	2410	3750	5540	7900	12500	15300	18100	31000	45000	65200	-

主要外形尺寸及重量 Main Dimensions & Weight

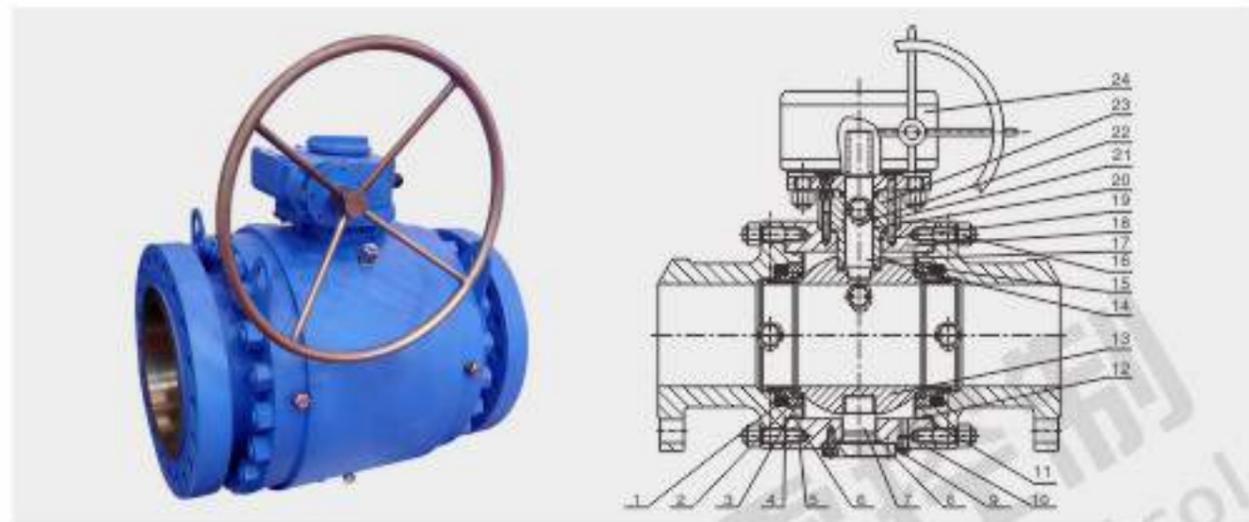
PN10.0MPa Class 600

DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500	
NPS	in	2	2½	3	4	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60	
法兰 Flange	L	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1549	1778	2083	2337	2100	2400	2400	2700	
对焊 Butt Welding	L1	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1549	1778	2083	2337	2050	2180	2300	2400	
手动 Hand-Operated	H	108	155	197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	400	650	650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	31	54	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗杆传动 Worm Gear Operated	H	-	-	-	235	300	374	445	512	550	615	750	810	1050	1180	1250	1315	1420	1540	1680	1840	1915	
	W	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
	型号 Type	-	-	-	B	C	C	D	D	DA	DA	DB	DC	DD	DH	DH	DH	DH	DJ	DJ	DK	DK	-
	kg	-	-	-	113	253	485	756	1067	1083	1525	2095	2638	4736	6758	9138	13298	18398	21356	31195	47483	65200	-
气动 Air-Operating	H	269	-	519	636	728	839	1014	1120	1224	1374	-	1490	1615	1760	-	-	-	-	-	-	-	-
	H1	209	-	295	479	519	595	770	810	1004	1154	-	1210	1335	1410	-	-	-	-	-	-	-	-
	L1	148	-	287	287	378	378	530	530	680	680	1445	1445	-	1665	1665	1960	-	-	-	-	-	
	L2	257	-	287	287	378	378	530	530	680	680	1445	1445	-	1665	1665	1960	-	-	-	-	-	
	型号 Type	AG13	-	AW13	AW13	AW17	AW20	AW20	AW28	AW28	C1-365	C1-365	-	C2-490	C2-490	C3-600	-	-	-	-	-	-	-
kg	225	-	325	656	927	1350	1660	1820	2130	2550	-	3500	5300	6800	-	-	-	-	-	-	-	-	
电动 Electric Driving	H	-	-	-	-	600	652	761	771	831	921	943	1123	1218	1328	1458	1855	1960	2164	2324	2474	2544	
	H1	-	-	-	-	382	480	520	594	632	670	770	850	945	1055	1135	1170	1285	1440	1660	1750	1820	
	W	-	-	-	-	200	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600	600	600
	型号 Type	-	-	-	-	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0	SMC-0
	kg	-	-	-	-	930	1410	1620	1910	2200	2600	2950	3620	5410	6920	10000	13420	18450	22300	32000	48000	66200	-

主要外形尺寸及重量 Main Dimensions & Weight

PN15.0MPa Class 900

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产品采用标准 Technical Specification

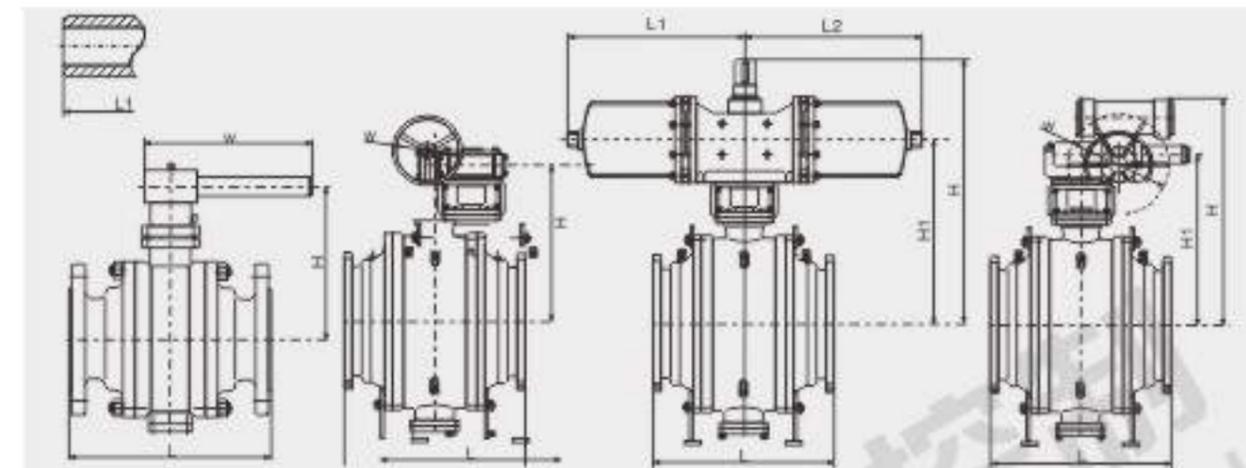
设计依据 Design reference	设计标准 Design standard	结构长度 Structural length	连接法兰 Flanged ender	对焊端 Butt-welding ends	试验和检验 Test & inspection
GB	GB/T 19672 GB/T 12237	GB/T 12221	GB/T9113 JB/T 79	GB/T 12224	JB/T 9092

注：阀门连接法兰及对焊端尺寸可根据用户要求设计制造。
Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement

主要零件材料 Major Parts Material form

序号 No.	零件名称 Accessory name	材料 Material		序号 No.	零件名称 Accessory name	材料 Material	
		GB				GB	
1	弹簧 Spring	Inconel x-750		13	球体 Ball*	A105+HCr	
2	阀座 Seat	25		14	滑动轴承 Slip the bearing	PTFE	
3	密封圈 Sealing ring	PTFE		15	阀杆 Stem**	1Cr13	
4	O型圈 O' Ring	NBR		16	注脂阀 Grease injection valve	组件 Package	
5	螺钉 Screw	35CrMo		17	垫片 Gasket	PTFE+不锈钢 PTFE+SS	
6	垫片 Gasket	PTFE、柔性石墨 PTFE & Graphite		18	填料箱 Packing case	25	
7	下阀杆 Put the valve stem E	1Cr13		19	压盖 Press and cover	25	
8	垫片 Gasket	PTFE、柔性石墨 PTFE & Graphite		20	O型圈 O' Ring	NBR	
9	底盖 Bottom cover	25		21	支架 Yoke	Q235A	
10	阀体、端 Body end	25		22	键 Key	45	
11	垫片 Gasket	PTFE、柔性石墨 PTFE & Graphite		23	连接套 Connection set	45	
12	O型圈 O' Ring	NBR		24	驱动装置 Driving	组件 Package	

注：★抗硫型阀门该零件的材质为GB(1Cr18Ni9+Ni.P)、ASTM(A182-304+Ni.P)
The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9+Ni.P),ASTM(A182-304+Ni.P)
★抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276-321)
The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9)、ASTM(A276-321)
系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。
Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.



主要外形尺寸及重量 Main Dimensions & Weight

PN1.6MPa Class 150

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500	
NPS	in	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60	
法兰 Flange	L	178	191	203	229	356	394	457	533	610	686	762	864	914	1067	1245	1372	1524	1721	1829	2180	2300	2400	
对焊 But/Welding	L1	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1346	1524	1727	1930	1689	2100	2250	2400	
手动 Hand- Operated	H	130	142	191	200	226	242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	W	230	350	400	450	750	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	12	28	33	50	78	93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗 杆传动 Worm Gear Operated	H	-	-	-	-	-	-	337	385	414	447	545	545	585	663	723	923	986	106	11420	1530	1640	1710	
	W	-	-	-	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
	kg	-	-	-	-	-	-	250	390	578	770	1100	1250	1800	2400	4500	6900	9700	13000	15000	23000	37000	39500	
气动 Air- Operating	H	269	379	389	479	552	666	769	824	897	937	112	116	1203	1145	1160	1460	1510	1610	-	-	-	-	
	H1	174	248	258	322	395	457	560	615	653	691	816	856	898	915	930	1100	1150	1250	-	-	-	-	
	L1	89	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	-	-	-	-	
	L2	181	257	257	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	-	-	-	-	
	kg	32	42	53	100	125	157	265	410	595	795	1150	1295	1910	2400	4600	7100	10100	14200	-	-	-	-	
电动 Electric Driving	H	-	-	-	-	-	559	710	744	851	859	959	999	965	114	1233	1341	1666	1895	2114	2194	2374	2404	
	H1	-	-	-	-	-	342	492	527	570	608	708	748	790	866	960	1068	1100	1210	1390	1470	1650	1680	
	W	-	-	-	-	-	200	200	200	280	280	280	305	305	305	400	400	460	460	600	600	600	600	
	kg	-	-	-	-	-	152	245	425	610	800	1180	1300	1200	2500	4710	7300	10200	15200	16800	24000	38500	40800	
	型号 Type	-	-	-	-	-	SVC-0 +HBC																	

主要外形尺寸和重量 Main Dimensions & Weight

PN2.5/4.0MPa Class 300

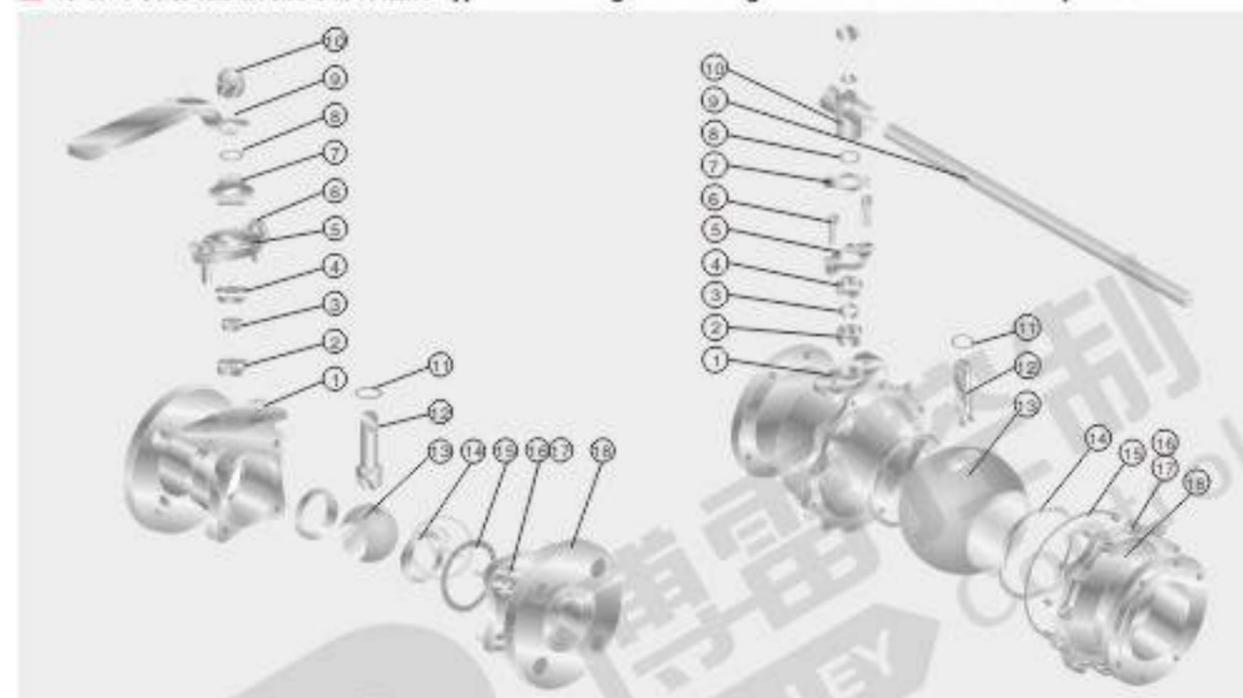
DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	in	2	2½	3	4	5	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法兰 Flange	L	216	241	283	305	381	403	502	568	648	762	838	914	991	1143	1346	1524	1727	2083	2050	2180	2300	2400
对焊 Butt-welding	L1	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1346	1524	1727	2083	1960	2020	2250	2400
手动 Hand-Operated	H	136	164	191	223	240	253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	240	400	400	600	750	800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	32	37	58	110	157	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗杆传动 Worm Gear Operated	H	-	-	-	-	-	-	337	385	414	447	545	545	585	663	723	923	986	1061	1420	1530	1640	1710
	W	-	-	-	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800
	kg	-	-	-	-	-	-	280	410	760	1100	1600	1700	2300	3500	5000	8000	11000	14000	17000	25000	39900	45300
气动 Air-Operating	H	360	388	476	418	621	634	701	771	814	913	1013	1148	1190	1316	1410	1518	1740	1850	-	-	-	-
	H1	229	257	319	361	412	425	492	527	570	608	708	748	790	866	960	1068	1140	1250	-	-	-	-
	L1	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	1960	-	-	-	-
电动 Electric Driving	H	-	-	-	-	-	559	710	744	851	859	959	999	963	1141	1233	1341	1696	1925	2114	2194	2374	2404
	H1	-	-	-	-	-	342	492	527	570	608	708	748	790	866	960	1068	1100	1210	1390	1470	1650	1680
	W	-	-	-	-	-	200	200	200	280	280	280	305	305	305	400	400	460	460	600	600	600	600

主要外形尺寸和重量 Main Dimensions & Weight

PN6.4MPa Class 400

DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
NPS	in	2	2½	3	4	6	8	10	12	14	16	18	20	24	28	32	36	40	42	48	56	60
法兰 Flange	L	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2057	2400	2400	2700
对焊 Butt-welding	L1	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2050	2180	2300	2400
手动 Hand-Operated	H	136	164	191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	230	400	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	kg	35	40	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗杆传动 Worm Gear Operated	H	-	-	-	244	303	342	382	420	458	558	598	630	759	836	915	987	1212	1460	1600	1760	1845
	W	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
	kg	-	-	-	180	240	296	425	780	1210	1650	1720	2400	3560	6100	8200	11500	14500	17800	26000	41050	46200
气动 Air-Operating	H	269	-	519	636	728	839	1014	1120	1225	1480	-	1480	1365	1430	-	-	-	-	-	-	-
	H1	209	-	295	322	386	527	698	750	883	1080	-	1080	915	980	-	-	-	-	-	-	-
	L1	148	-	287	287	378	378	530	530	680	680	-	680	1665	1665	-	-	-	-	-	-	-
电动 Electric Driving	H	-	-	-	-	520	560	554	661	635	757	879	803	981	1073	1133	1287	1512	2114	2254	2424	2524
	H1	-	-	-	-	303	342	382	420	458	558	598	630	759	836	915	987	1212	1390	1530	1700	1800
	W	-	-	-	-	200	200	200	280	280	280	305	305	305	400	460	460	600	600	600	600	600

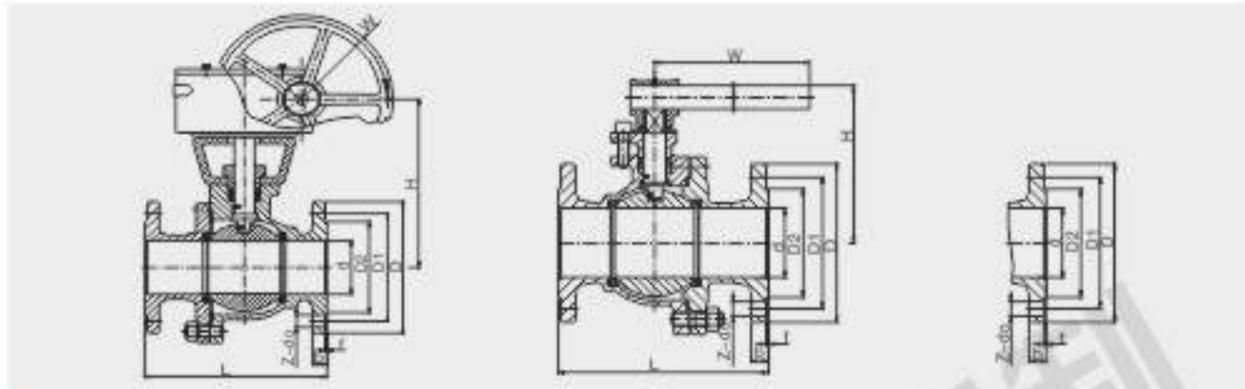
浮动式球阀典型结构及零部件组成 Typical Drawing Of Floating Ball Valve And Parts Composition



主要零件名称及材料 Parts And Material List

序号 Parts No.	零件名称 Parts name	材料 Materials				
		WCB/A105+HCr(ENP)	WCB/304	WCB/316	CF8	CF8M
1	阀体 Body	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
2	填料 Packing	PTFE	PTFE	PTFE	PTFE	PTFE
3	衬套 Bushing	PTFE	PTFE	PTFE	PTFE	PTFE
4	填料压套 Packing	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316	ASTM A182 F304	ASTM A182 F304
5	填料压板 Plate	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
6	螺钉 Screw	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8M
7	定位片 Stop collar	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	不锈钢 Stainless steel	不锈钢 Stainless steel
8	挡圈 Circlip	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	不锈钢 Stainless steel	不锈钢 Stainless steel
9	扳手 Lever	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel
10	螺母 Nut or wrench head	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel
11	上密封垫 Back seat gasket	PTFE	PTFE	PTFE	PTFE	PTFE
12	阀杆 Stem	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316	ASTM A182 F304	ASTM A182 F316
13	球体 Ball	A105+HCr(ENP)	ASTM A182 F304	ASTM A182 F316	ASTM A182 F304	ASTM A182 F316
14	密封圈 Seat ring	Reinforced PTFE	Reinforced PTFE	Reinforced PTFE	Reinforced PTFE	Reinforced PTFE
15	垫片 Gasket	PTFE	PTFE	PTFE	PTFE	PTFE
16	螺栓 Bolt	ASTM A194 2H	ASTM A194 2H	ASTM A194 2H	ASTM A194 8	ASTM A194 8M
17	螺母 Nut	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8M
18	阀盖 Bonnet	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M

注：上表仅列出了铸钢球阀最常用零部件，根据用户要求或阀门的实际使用工况，我公司可以提供其他多种不同的零部件材料配置。
Note: The chart above only lists out some common composition of steel ball valve parts. We may provide other different parts material composition according to the customer's request or the actual valve working condition.



主要外形尺寸及重量 Main Size Of Outside & Weight

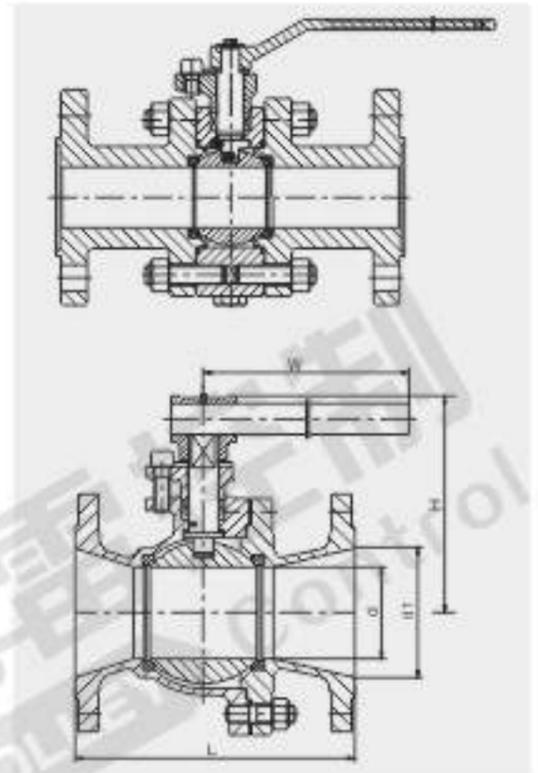
单位Unit:mm

压力级 Pressure stage	规格 Size NPS	尺寸 Dimensions(mm)										WT (kg)				
		RF	RTJ	d	D	D1	D2	b	f	Z-do	W	H	手轮 Hand wheel	蜗轮 Gear box		
Class150	1/2	108	119	13	89	60.5	35	11.5	1.6	4-15	140	-	85	-	3	-
	3/4	117	130	19	98	70	43	11.5	1.6	4-15	140	-	90	-	4	-
	1	127	140	25	108	79.5	51	11.5	1.6	4-15	150	-	99	-	5	-
	1 1/4	140	153	32	117	89	64	13	1.6	4-15	180	-	105	-	7	-
	1 1/2	165	178	38	127	98.5	73	14.5	1.6	4-15	200	-	126	-	8	-
	2	178	191	51	152	120.5	92	16	1.6	4-19	250	-	140	-	12	-
	2 1/2	190	203	64	178	139.5	105	17.5	1.6	4-19	300	-	165	-	18	-
	3	203	216	76	190	152.5	127	19.5	1.6	4-19	350	-	178	-	24	-
	4	229	242	102	229	190.5	157	24	1.6	8-19	500	305	230	380	38	53
	5	356	369	127	254	216	186	24	1.6	8-22	800	305	280	405	60	79
Class300	1/2	140	151	13	95	66.5	35	14.5	1.6	4-15	140	140	85	85	3	-
	3/4	152	165	19	117	82.5	43	16	1.6	4-19	140	140	90	90	5	-
	1	165	178	25	124	89	51	17.5	1.6	4-19	150	150	99	99	6	-
	1 1/4	178	191	32	133	98.5	64	19.5	1.6	4-19	180	180	105	105	8	-
	1 1/2	190	203	38	156	114.5	73	21	1.6	4-22	200	200	126	126	11	-
	2	216	232	51	165	127	92	22.5	1.6	8-19	250	250	142	142	16	-
	2 1/2	241	257	64	190	149	105	25.5	1.6	8-22	300	300	165	165	24	-
	3	283	299	76	210	168.5	127	29	1.6	8-22	350	350	178	178	34	52
	4	305	321	102	254	200	157	32	1.6	8-22	500	500	230	230	56	76
	5	381	397	127	279	235	186	35	1.6	8-22	800	800	280	280	86	124
Class600	1/2	165	164	13	95	66.5	35	14.5	6.4	4-15	140	-	79	-	5	-
	3/4	190	190	19	118	82.5	43	16	6.4	4-19	140	-	83	-	7	-
	1	216	216	25	124	89	51	17.5	6.4	4-19	200	-	114	-	9	-
	1 1/4	229	229	32	133	98.5	64	21	6.4	4-19	200	-	120	-	13	-
	1 1/2	241	241	38	156	114.5	73	22.5	6.4	4-22	250	-	125	-	17	-
	2	292	295	51	165	127	92	25.5	6.4	8-19	300	-	156	-	25	-
	2 1/2	330	333	64	190	149	105	29	6.4	8-22	350	-	172	-	42	-
	3	356	359	76	210	168	127	32	6.4	8-22	500	305	220	370	56	76
	4	432	435	102	273	216	157	38.5	6.4	8-25	650	305	250	400	85	123
	5	502	518	127	318	270	216	41.5	1.6	12-25	1000	1000	350	350	222	267
Class900	1/2	216	216	13	121	82.5	35	22.5	6.4	4-23	150	-	98	-	9	-
	3/4	229	229	19	130	88.9	43	25.5	6.4	4-23	150	-	105	-	13	-
	1	254	254	25	149	101.6	51	29	6.4	4-26	200	-	110	-	16	-
	1 1/4	279	279	32	159	111.1	64	29	6.4	4-26	250	-	120	-	24	-
	1 1/2	305	305	38	178	123.5	73	32	6.4	4-29	250	-	125	-	31	-
Class1500	1/2	216	216	13	121	82.5	35	22.5	6.4	4-23	182	-	98	-	10	-
	3/4	229	229	19	130	88.9	43	25.5	6.4	4-23	200	-	105	-	14	-
	1	254	254	25	149	101.6	51	29	6.4	4-26	250	-	110	-	17	-
	1 1/4	279	279	32	159	111.1	64	29	6.4	4-26	300	-	120	-	25	-
	1 1/2	305	305	38	178	123.8	73	32	6.4	4-29	350	-	130	-	33	-

锻钢浮动式球阀 Forged Steel Floating Ball Valve

我们公司的浮动式球阀一般采用铸钢阀体, 根据客户要求, 也可采用锻钢阀体, 锻钢球阀的法兰连接尺寸、结构长度等主要尺寸与铸钢球阀相同。

The floating ball valve manufactured by our company is generally employing casted steel valve body, however, as required by customers, forged steel valve body is also available, of which the main sizes such as flange connections and face to face dimensions are the same as that of the cast steel ball valve.



缩径浮动式球阀 Ball Valve With Reduced Bore

我们公司除了生产全通径浮动式球阀以外, 还生产缩径浮动式球阀, 以满足用户的不同需求。缩径球阀不仅能适当的降低成本及价格, 而且能满足用户的一些特定要求。

In addition to the full bore floating ball valve, our company is also manufacturing the floating ball valve with reduced bore to satisfy different requirement of customers, which can not only lower the cost and pricing, but also meet customers' special requirement.

主要外形尺寸及重量 Main Size Of Outside & Weight

单位Unit:mm

规格 Size NPS	Class 150						Class 300						Class 600					
	L		d	d1	H	W	L		d	d1	H	W	L	d	d1	H	W	
长 Long	短 Short	长 Long					短 Short											
1/2	108	108	10	14	80	140	140	140	10	14	80	140	165	10	14	75	140	
3/4	117	117	14	19	85	140	152	152	14	19	85	140	190	14	19	79	140	
1	127	127	20	25	90	140	165	165	20	25	90	140	216	20	25	83	140	
1 1/4	140	140	25	32	99	150	178	178	25	32	99	150	229	25	32	114	150	
1 1/2	165	165	32	38	105	180	190	190	32	38	105	180	241	32	38	120	200	
2	178	178	38	51	126	200	216	216	38	51	126	200	292	38	51	125	250	
2 1/2	190	190	51	64	140	250	241	241	51	64	140	250	330	51	64	156	300	
3	203	203	64	76	165	300	283	283	64	76	165	300	356	64	76	172	350	
4	229	229	76	102	178	350	305	305	76	102	178	350	432	76	102	220	500	
5	356	356	102	127	230	500	381	381	102	127	230	500	508	102	127	250	650	
6	394	267	127	152	280	800	403	403	127	152	280	800	-	-	-	-	-	
8	457	292	152	203	310	800	502	419	152	203	310	800	-	-	-	-	-	
10	533	330	203	254	350	1000	568	457	203	254	350	1000	-	-	-	-	-	

注: 1、缩径球阀的连接法兰尺寸与全通径球阀相同。

2、部分规格的缩径球阀, 其结构长度有长系列和短系列。

Notes: 1. Sizes of flange connection of the ball valve with reduced bore are the same as that of full bore ball valves.

2. There are two series of face to face dimensions i.e., the long series and the short series, for some of ball valves with reduced bore.

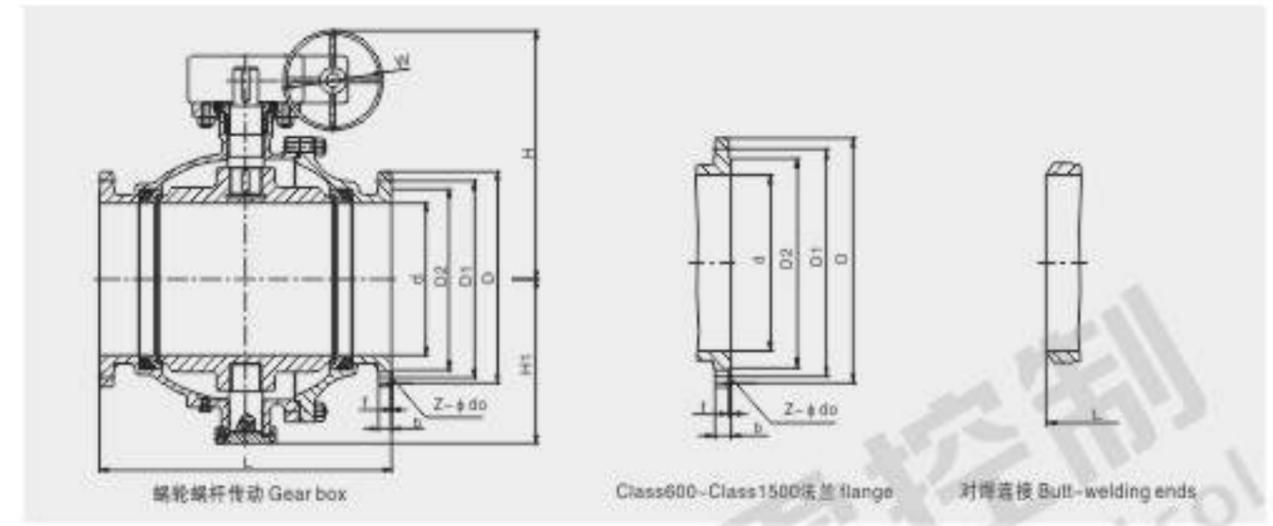


主要零件名称及材料 Parts And Material List

单位Unit:mm

序号 Parts No.	零件名称 Parts Name	材料Material				
		WCB/A105+HCr(ENP)	WCB/304	WCB/316	CF8	CF8M
1	阀体 Body	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
2	螺栓 Bolt	ASTM A194 2H				
3	螺母 Nut	ASTM A193 B7				
4	O型圈 O ring	Viton	Viton	Viton	Viton	Viton
5	轴承 Stem bearing	Metal backed PTFE				
6	隔套 Gasket	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316	ASTM A182 F304	ASTM A182 F316
7	阀杆 Stem	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316	ASTM A182 F304	ASTM A182 F316
8	键 Key	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	不锈钢 Stainless steel	不锈钢 Stainless steel
9	键 Key	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	不锈钢 Stainless steel	不锈钢 Stainless steel
10	O型圈 O ring	Viton	Viton	Viton	Viton	Viton
11	垫片 Gasket	PTFE	PTFE	PTFE	PTFE	PTFE
12	压盖 Cover	ASTM A105	ASTM A105	ASTM A105	ASTM A182 F304	ASTM A182 F316
13	螺钉 Screw	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8M
14	O型圈 O ring	Viton	Viton	Viton	Viton	Viton
15	蜗轮 Gear	碳钢 Carbon steel				
16	球体 Ball	A105+HCr(ENP)	ASTM A182 F304	ASTM A182 F316	ASTM A182 F304	ASTM A182 F316
17	阀座 Seat	增强 Reinforced PTFE				
18	O型圈 O ring	Viton	Viton	Viton	Viton	Viton
19	阀座 Seat	ASTM A105	ASTM A105	ASTM A105	ASTM A182 F304	ASTM A182 F316
20	弹簧 Spring	SS304 or Inconel 750	SS304 or Inconel 750	SS316 or Inconel 750	SS304 or Inconel 750	SS316 or Inconel 750
21	垫片 Gasket	Viton or PTFE or Graphite				
22	螺栓 Bolt	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8M
23	螺母 Nut	ASTM A194 2H	ASTM A194 2H	ASTM A194 2H	ASTM A194 8	ASTM A194 8M
24	阀盖 Bonnet	ASTM A216 WCB	ASTM A216 WCB	ASTM A216 WCB	ASTM A351 CF8	ASTM A351 CF8M
25	下轴 Lower trunnion	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316	ASTM A182 F304	ASTM A182 F316
26	O型圈 O ring	Viton	Viton	Viton	Viton	Viton
27	调整垫 Gasket	ASTM A182 F6a	ASTM A182 F304	ASTM A182 F316	ASTM A182 F304	ASTM A182 F316
28	下轴盖 Lower cover	ASTM A105	ASTM A105	ASTM A105	ASTM A182 F304	ASTM A182 F316
29	螺钉 Screw	ASTM A193 B7	ASTM A193 B7	ASTM A193 B7	ASTM A193 B8	ASTM A193 B8M

注：上表仅列出了铸钢球阀最常用零部件，根据用户要求或阀门的实际使用工况，我公司可以提供其他多种不同的零部件材料配置。
Note: The chart above only lists out some common composition of steel ball valve parts. We may provide other different parts material composition according to the customer's request or the actual valve working condition.



主要外形尺寸及重量 Main Size Of Outside & Weight

单位Unit:mm

压力级 Pressure stage	规格 Size		尺寸 Dimensions(mm)											WT (kg)
	NPS	L		d	D	D1	D2	b	f	Z-Φdo	H	H1	W	
		RF	BW											
Class 150	4	229	305	102	229	190.5	157	24	1.6	8-19	330	135	300	60
	5	356	381	127	254	216	186	24	1.6	8-22	360	165	300	80
	6	394	457	152	279	241.5	216	25.5	1.6	8-22	392	193	300	101
	8	457	521	203	343	298.5	270	29	1.6	8-22	492	240	300	166
	10	533	559	254	406	362	324	31	1.6	12-25	548	293	300	283
	12	610	635	305	483	432	381	32	1.6	12-25	688	340	400	463
	14	686	762	337	533	476	413	35	1.6	12-29	722	372	400	622
	16	762	838	387	597	540	470	37	1.8	18-29	722	415	400	900
	18	864	914	438	635	578	533	40	1.6	19-32	804	462	500	1150
	20	914	991	489	699	635	584	43	1.6	20-32	952	511	600	1360
	24	1067	1143	591	813	749.5	692	48	1.6	20-35	1154	601	750	2514
	26	1143	1245	633	786	744.5	711	40	1.6	36-22	1300	700	750	3200
28	1245	1346	684	837	795.5	762	43	1.6	40-22	1550	780	750	4000	
30	1295	1397	735	887	846	813	43	1.6	44-22	1650	830	750	4800	
32	1372	1524	779	941	900	864	44	1.6	48-22	1740	870	750	5800	
36	1524	1727	874	1057	1009.5	972	51	1.6	44-26	1950	970	750	8000	
Class 300	4	305	305	102	254	200	157	32	1.6	8-22	340	140	300	70
	5	381	381	127	279	235	186	35	1.6	8-22	370	170	300	95
	6	403	457	152	318	270	216	37	1.6	12-22	402	192	300	128
	8	502	521	203	381	330	270	41.5	1.6	12-25	498	246	300	234
	10	568	559	254	445	387.5	324	48	1.6	16-29	655	303	400	403
	12	648	635	305	521	451	381	51	1.6	16-32	658	348	400	602
	14	762	762	337	584	514.5	413	54	1.6	20-32	686	378	400	803
	16	838	838	387	648	571.5	470	58	1.6	20-35	880	429	600	1273
	18	914	914	438	711	628.5	533	61	1.6	24-35	1050	518	750	1450
	20	991	991	489	775	686	584	64	1.6	24-35	1110	540	750	1700
	24	1143	1143	591	914	813	692	70	1.6	24-41	1400	650	750	3100
	26	1245	1245	633	867	803.5	737	87	1.6	32-35.5	1500	750	750	4500
28	1346	1346	684	921	857	787	87	1.6	36-35.5	1600	800	750	6000	
30	1397	1397	735	991	921	845	92	1.6	38-39	1720	860	750	7500	
32	1524	1524	779	1054	978	902	102	1.6	32-42	1800	900	750	9000	
36	1727	1727	874	1172	1089	1010	102	1.6	32-45	2200	1020	800	12000	

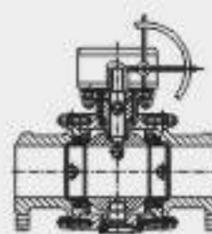
压力级 Pressure stage	规格 Size		尺寸 Dimensions(mm)												WT (kg)	
	NPS	L			d	D	D1	D2	b	f	Z-Φdo	H	H1	W		
		RF	RTJ	BW												
Class 600	2	292	295	292	49	165	127	92	26	6.4	8-19	240	94	300	32	
	2 1/2	330	333	330	62	190	149	105	29	6.4	8-22	290	115	300	47	
	3	356	359	356	74	210	168	127	32	6.4	8-22	340	136	300	68	
	4	432	435	432	100	273	216	157	38	6.4	8-25	358	152	300	106	
	5	508	511	508	127	330	266.5	186	45	6.4	8-29	400	180	300	170	
	6	559	562	559	150	356	292	216	48	6.4	12-29	445	209	400	241	
	8	660	664	660	201	419	349	270	56	6.4	12-32	498	263	400	444	
	10	787	791	787	252	508	432	324	64	6.4	16-35	653	312	400	668	
	12	838	841	838	303	559	489	381	67	6.4	20-35	665	354	500	1050	
	14	889	892	889	334	603	527	413	70	6.4	20-38	738	389	600	1317	
	16	991	994	991	385	686	603	470	77	6.4	20-41	920	440	750	1800	
	18	1092	1095	1092	436	743	654	533	83	6.4	20-44	1100	530	750	2400	
20	1194	1200	1194	487	813	724	584	89	6.4	24-44	1200	560	750	3000		
24	1397	1407	1397	538	940	838	692	102	6.4	24-52	1480	670	750	5400		
Class 900	2	368	371	368	49	216	165.1	92	38.5	6.4	8-26	250	98	300	45	
	2 1/2	419	422	419	62	244	190.5	105	41.5	6.4	8-29	300	120	300	55	
	3	381	384	381	74	241	190.5	127	38.5	6.4	8-26	345	140	300	94	
	4	457	460	457	100	292	234.9	157	44.5	6.4	8-32	415	162	300	141	
	5	559	562	559	125	349	279.4	186	51	6.4	8-35	446	188	300	230	
	6	610	613	610	150	381	317.5	216	56	6.4	12-32	477	213	400	325	
	8	737	740	737	201	470	393.7	270	63.5	6.4	12-39	520	270	400	580	
	10	838	841	838	252	545	469.9	324	70	6.4	16-39	628	322	400	850	
12	965	968	965	305	610	533.4	381	79.5	6.4	20-39	680	360	500	1330		
14	1029	1038	1029	322	640	558.8	413	86	6.4	20-42	750	400	600	1660		
16	1130	1140	1130	373	705	615.9	470	89	6.4	20-45	940	460	750	2280		
Class 1500	1 1/2	305	305	305	38	178	123.8	73	32	6.4	4-29	280	100	300	44	
	2	368	371	368	49	216	165.1	92	38.5	6.4	8-26	320	113	300	67	
	2 1/2	419	422	419	62	244	190.5	105	41.5	6.4	8-29	340	125	300	80	
	3	470	473	470	74	267	203.2	127	48	6.4	8-32	385	138	300	130	
	4	546	549	546	100	311	241.3	157	54	6.4	8-35	415	171	300	192	
	5	673	676	673	120	375	292.1	186	73.5	6.4	8-42	480	200	400	335	
	6	705	711	705	144	394	317.5	216	83	6.4	12-39	580	222	400	475	
	8	832	841	832	192	483	393.7	270	92	6.4	12-45	584	280	400	820	
	10	991	1000	991	239	585	482.6	324	108	6.4	12-51	650	340	500	1320	
	12	1130	1146	1130	287	675	571.5	381	124	6.4	16-54	700	370	600	2050	
	Class 2500	1 1/2	384	387	384	38	203	146	73	44.5	6.4	4-32	290	105	300	72
		2	451	454	451	42	235	171.4	92	51	6.4	8-29	320	120	300	104
2 1/2		508	514	508	52	267	196.8	105	57.5	6.4	8-32	350	130	300	140	
3		578	584	578	62	305	228.6	127	67	6.4	8-35	400	150	300	202	
4		673	683	673	87	356	273	157	76.5	6.4	8-42	425	180	400	305	
5		794	807	794	100	419	323.8	186	92.5	6.4	8-48	500	210	400	530	
6		914	927	914	131	483	368.3	216	108	6.4	8-54	590	230	500	760	
8		1022	1038	1022	179	550	438.1	270	127	6.4	12-54	610	290	500	1200	
10	1270	1292	1270	223	675	539.7	324	165.5	6.4	12-67	660	350	600	2080		

注: 1. RF表示突出面法兰, RJ表示环连接面法兰。
2. 对于NPS < 24的阀门, 本表法兰尺寸按ASME B16.5标准, 根据用户要求, 法兰尺寸也可按GB/T9112-9124, HG2065-20626, SH3406设计制造。
3. 对于NPS > 26的阀门, 本表法兰尺寸按ASME B16.47标准的B系列, API 605标准及GB/T13402标准, 根据用户要求, 法兰尺寸也可按ASME B16.47标准的A系列及MSS SP-44标准。
Notes: 1. RF indicates raised face flange, RJ means ring joint flange, and BW is butt welding ends connector.
2. for NPS < 24 valve, the size of the flange joint ASME B16.5 standard, according to user requirements, Flange size also can press GB/T9112-9124, HG2065-20626, SH3406 design and manufacture.
3. For valve of NPS > 26, the flange dimensions of above table conforms to B series of ASME B16.47 and API 605. As required by customers, flange dimensions may also conform to A series of ASME B16.47 and MSS-SP-44.

锻钢固定式球阀 Forged Steel Trunnion Ball Valve

本公司生产的固定式球阀一般采用铸钢阀体, 根据用户要求, 也可采用锻钢, 锻钢固定式球阀的法兰尺寸及结构长度与铸钢固定式球阀相同。

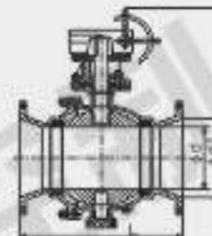
Our company manufactures in general trunnion ball valve of casted steel valve body. However, if required by customers, forged steel valve body is also available, of which the flange dimensions and face to face dimensions are the same as that of cast steel trunnion ball valve.



缩径固定式球阀 Ball Valve With Reduced Bore

本公司除了生产全通径固定式球阀外, 还生产缩径固定式球阀, 以满足用户的不同需求。缩径固定式球阀不仅能适当的降低成本及价格, 而且能满足用户的一些特定要求。

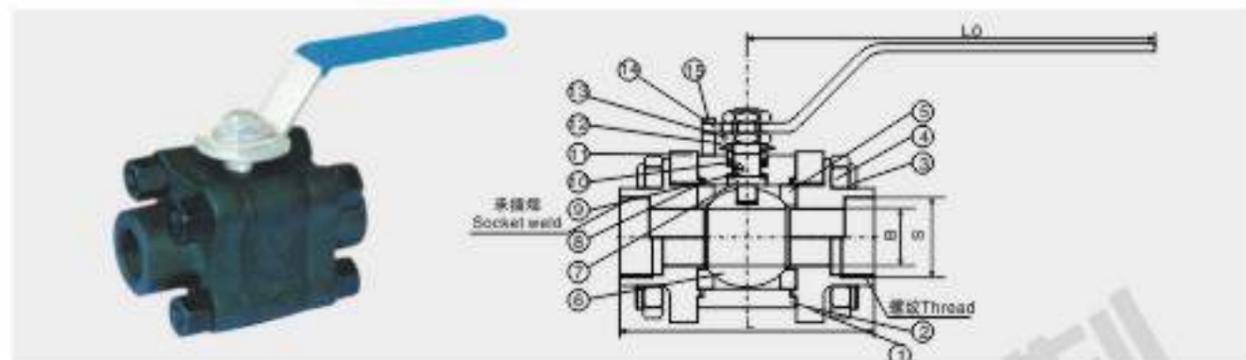
Except for full bore ball valves, our company manufactures also the ball valve with reduced bore to meet different requirement of customers, which not only lowers the cost and pricing, but also satisfies the special requirement of customers.



主要外形尺寸及重量 Main Size Of Outside & Weight

规格 Size	压力级 Pressure stage														
	Class 150				Class 300				Class 600						
	尺寸 Dimensions (mm)														
NPS	L			d	d1	H	L			d	d1	H	L		
	RF	RJ	BW				RF	RJ	BW				RF	RJ	BW
5	356	102	127	330	381	102	127	340	508	511	102	127	358		
6	394	152	152	330	403	127	152	340	559	562	127	152	358		
8	457	203	203	392	502	152	203	402	660	664	152	200	445		
10	533	254	254	492	568	203	254	498	787	791	200	248	498		
12	610	305	305	548	648	254	305	655	838	841	248	298	653		
14	686	305	337	688	762	305	337	658	889	892	298	327	665		
16	762	337	387	688	838	337	387	658	991	994	327	375	665		
18	864	387	438	722	914	387	438	686	1092	1095	375	419	738		
20	914	438	489	750	991	438	489	880	1194	1200	419	464	920		
24	1067	540	591	952	1143	540	591	1110	1397	1407	511	559	1200		
26	1143	589	633	1050	1245	589	633	1250	-	-	-	-	-		
28	1245	633	684	1154	1346	633	684	1400	-	-	-	-	-		
30	1295	684	735	1300	1397	684	735	1500	-	-	-	-	-		
32	1372	735	779	1550	1524	735	779	1600	-	-	-	-	-		
36	1524	830	874	1740	1727	830	874	1800	-	-	-	-	-		
规格 Size	Class 900					Class 1500					Class 2500				
	L			d	d1	H	L			d	d1	H	L		
	RF	RJ	BW				RF	RJ	BW				RF	RJ	BW
2 1/2	419	422	47	57	250	419	422	47	57	320	508	514	42	52	320
3	381	384	57	73	300	470	473	57	70	340	578	584	52	62	350
4	457	460	73	98	345	546	549	70	92	385	673	683	62	87	400
5	559	562	98	121	415	673	576	92	111	415	794	807	87	100	425
6	610	613	121	146	415	705	711	100	144	480	914	927	87	131	500
8	737	740	146	190	477	832	841	144	192	580	1022	1036	131	179	590
10	838	841	190	234	520	991	1000	192	239	584	1270	1292	179	223	610
12	965	968	234	282	628	1130	1146	239	287	650	1422	1445	223	265	660
14	1029	1038	303	-	680	-	-	-	-	-	-	-	-	-	-
16	1130	1140	322	-	680	-	-	-	-	-	-	-	-	-	-

注: 缩径固定球阀的法兰尺寸与全通径固定球阀相同。
Note: Flange dimensions of ball valve with reduced bore are the same as that of full bore ball valve.



□ 标准材质明细表 Standard Material Specifications

序号 NO.	零件名称 Part Name	CS ASTM		SS ASTM	
		Type A105N	Type F304(L)	Type F304(L)	Type F316(L)
1,2	阀体/阀盖 Body/Bonnet	ASTM A105N	A182 F304(L)	A182 F304(L)	A182 F316(L)
3	等长双头螺栓 Bolt	A193 B7+镀锌	A193 B8	A193 B8	A193 B8M
4	螺母 Nut	A194 2H+镀锌	A194 B	A194 B	A194 8M
5,8	密封圈/垫片 Seal ring/Gasket	RTFE+Cu粉/尼龙1010/PPL			
6	球体 Ball Body	A182 F304	A182 F304(L)	A182 F304(L)	A182 F316(L)
7	阀杆 Stem	A182 F410	A182 F304(L)	A182 F304(L)	A182 F316(L)
9,10	止推片填料 Stem Packing	RTFE+Cu粉/尼龙1010/PPL			
11	压套 Gland	A182 F410	A182 F304(L)	A182 F304(L)	A182 F316(L)
12	蝶形弹簧 Spring	65Mn			
13	扁螺母 Nut	A194 B7+镀锌	A194 B	A194 B	A194 B
14	手柄 Wrench	Q235A			
15	圆柱销 Pin	A194 B7+镀锌	F316	F316	F316

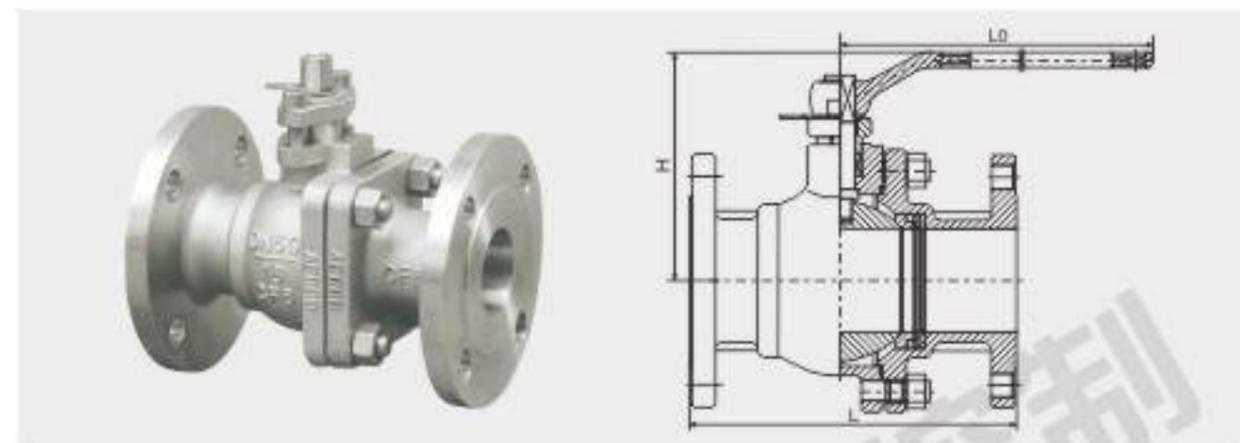
□ 主要性能规范 Main Performance Parameter

公称压力 Nominal pressure		900LB	1500LB	MPa
试验压力 Test pressure	强度试验 Strength test	22.7	37.8	
	密封试验 Seal test	16.7	28.1	
	气密试验 Gas seal test	0.6	0.6	
最高工作温度 Maximum operating temperature		尼龙 < 80°C, PTFE < 150°C, PPL < 220°C		
适用介质 Suitable Medium		水、油品 Water, oil		

□ 主要外形尺寸 Main Outline Dimensions

尺寸 Dimensions	口径 Size						
	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
L	92	111	127	140	152	178	
S	21.8	27.1	33.8	42.8	48.7	61.1	
B	9.6	12.7	12.7	12.7	12.7	15.9	
L0	123	160	160	195	195	250	
NPT	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	

单位Unit:mm



□ 执行标准 Perform Standard

法兰连接尺寸按JB/T79-94或GB/T9113

Flange connecting dimensions in accordance with JB/T79-94 or GB/T9113

密封面形式 Seat sealing: 304/STL, 316/STL, STL/TZP等

阀体材料 Body material: WCB, CF8, CF8M, CF3, CF3M等

□ 性能规范 Performance Specification

阀体材料 Body material	公称压力 Nominal pressure	工作温度℃ Working temperature	适用介质 Suitable medium
碳钢 Carbon steel	1.6-4.0	≤425	水、油品、蒸汽 Water, Oil, Steam
不锈钢 Stainless steel	1.6-4.0	≤200	酸类Acid, 碱类Alkali

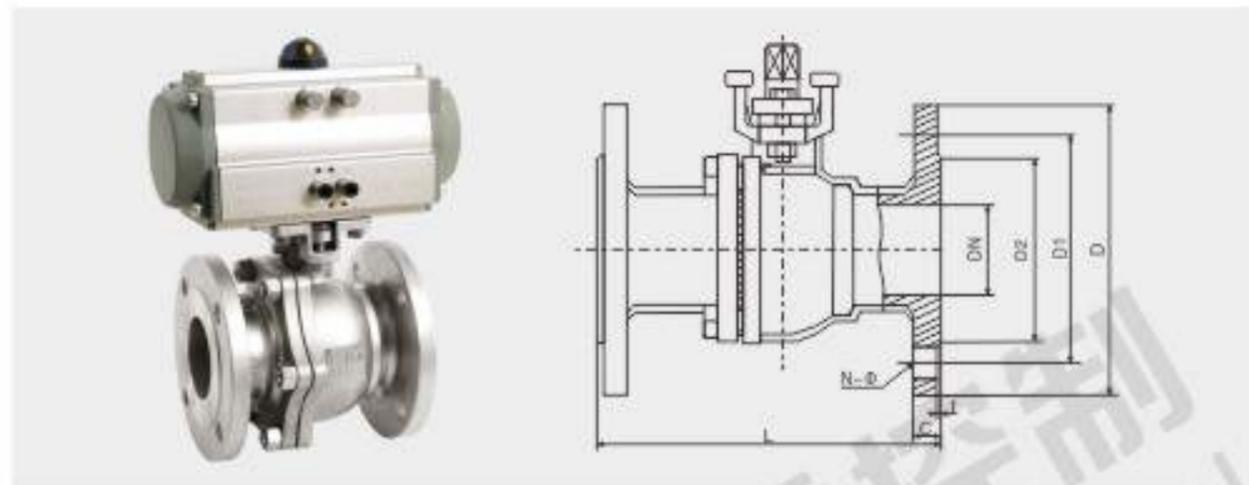
□ 主要外形尺寸 Main Outline Dimensions

单位Unit:mm

型号 Type	尺寸 Dimensions (mm)														
	DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300
Q41Y-16C Q41Y-16P Q41Y-16R	L	130	140	150	165	180	200	220	250	280	320	360	400	533	610
	H	65	72	85	95	115	125	173	180	230	250	270	335	410	420
	L ₀	110	120	140	160	220	260	320	320	400	400	800	1000	1500	2000
	WT(Kg)	3	3.5	5.5	7.5	9.5	12	18	23.5	34	45	67	110	180	240
Q41Y-25 Q41Y-25P Q41Y-25R	L	130	140	150	165	180	200	220	250	280	320	360	400	533	610
	H	65	72	85	95	115	125	173	180	230	250	270	335	410	420
	L ₀	110	160	180	250	250	300	320	400	400	600	800	1200	1500	2000
	WT(Kg)	3	3.5	5.5	7.5	10	13	20	28	38	50	75	120	210	290
Q41Y-40 Q41Y-40P Q41Y-40R	L	130	150	160	180	200	230	290	310	350	400	480	502	568	648
	H	95	105	115	140	150	165	185	200	235	270	300	360	410	420
	L ₀	110	160	180	250	250	300	320	400	400	600	1000	1200	1500	2000
	WT(Kg)	3	3.5	5.5	7.5	10	13	20	28	38	50	75	120	210	290

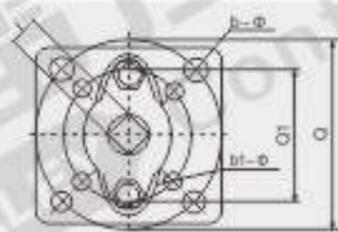
用户如需防火、防静电结构订货时需注明。
用户如需其它标准的结构长度订货时需注明。
可根据用户需求加装蜗轮传动装置、气动装置、电动装置。

If users need fire prevention, anti-static structure should mark when you order it.
If users need other criteria to indicate the length of the structure of the order.
According to user needs with worm gear drive, pneumatic device and electric device.



□ 执行标准 Perform Standard

设计与制造 Design: GB/T12237/2007
 防火测试 Fire Safe: API 607 1993
 连接法兰 End Flange: JB79, GB/T12221-1989
 检测与试验 Inspection & Testing: GB/T13927-1992

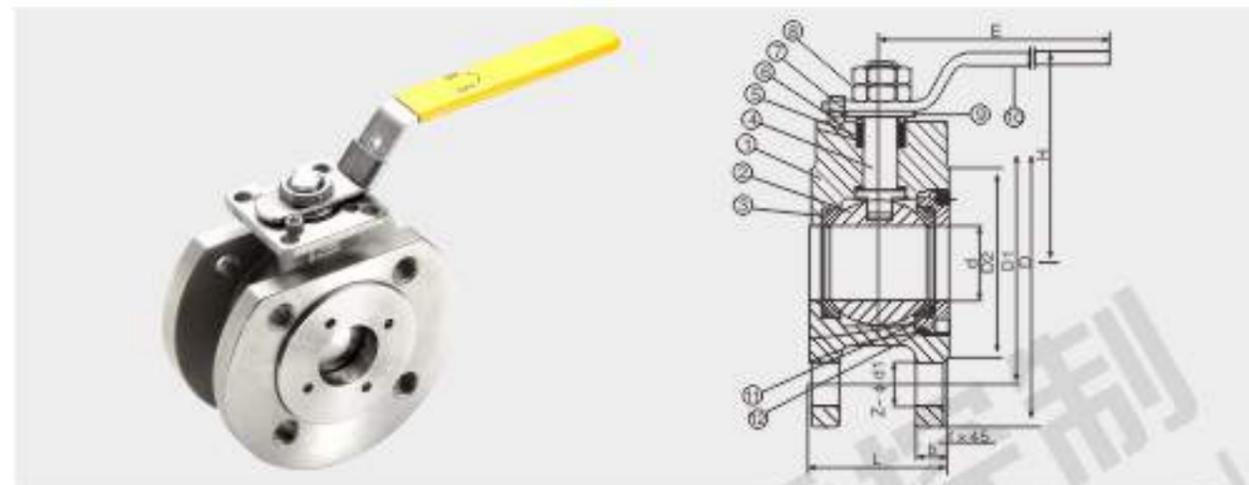


□ 主要外形尺寸 Main Outline Dimensions

单位Unit:mm

DN	L	D	D ₁	D ₂	C	f	N-φ	K	Q	N-φ	Q ₁	b ₁ -φ
Q41F-16P												
15	130	95	65	45	14	2	4-φ14	9	50	4-φ7	42	4-φ6
20	140	105	75	54	14	2	4-φ14	9	50	4-φ7	42	4-φ6
25	150	115	85	65	14	2	4-φ14	11	50	4-φ7	/	/
32	165	135	100	76	16	3	4-φ18	14	70	4-φ9	/	/
40	180	145	110	83	18	3	4-φ18	14	70	4-φ9	/	/
50	200	160	125	100	18	3	4-φ18	14	70	4-φ9	/	/
65	220	180	145	118	20	3	4-φ18	17	102	4-φ12	70	4-φ9
80	250	195	160	132	20	3	8-φ18	17	102	4-φ12	70	4-φ9
100	280	215	180	153	20	3	8-φ18	17	102	4-φ12	70	4-φ9
125	320	245	210	185	22	3	8-φ18	22	125	4-φ14	102	4-φ12
150	360	280	240	210	24	3	8-φ22	27	140	4-φ18	102	4-φ12
200	400	335	295	265	26	3	12-φ22	36	165	4-φ22	140	4-φ18

注: 如需其他压力或者其他参数请联系我公司。 Note: if need other stress or other parameters please contact our company.



□ 性能规范 Performance Specification

公称压力: 1.6-2.5MPa
 适用温度范围: -20-232℃-350℃
 适用介质: 水、油、气及某些腐蚀性液体

Nominal Pressure: 1.6-2.5MPa
 Temperature Range: -20-232℃-350℃
 Suitable medium: Water, oil, air and some corrosive liquid

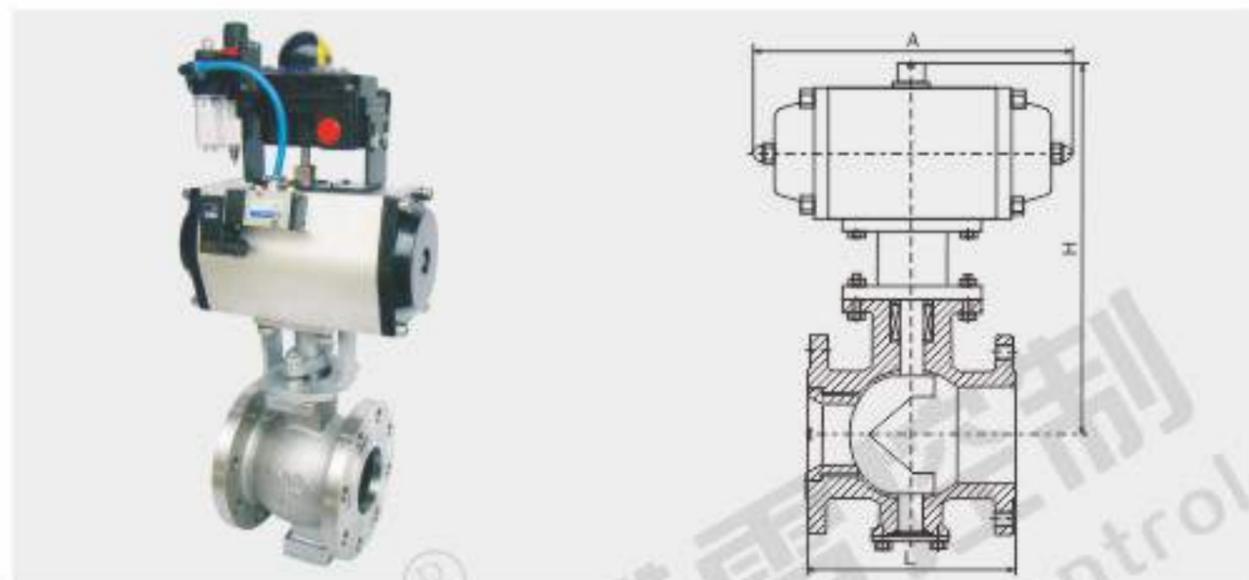
□ 主要零件材料 Main Part Material

序号NO.	零件名称 Part name	材质 Material	
1	阀体 Body	不锈钢 CF8M/CF8	碳钢 WCB
2	球 Ball	不锈钢 316/304	不锈钢 SS304
3	密封垫 Gasket	聚四氟乙烯 PTFE	聚四氟乙烯 PTFE
4	阀杆 Stem	不锈钢 316/304	不锈钢 SS304
5	填料 Stem packing	聚四氟乙烯 PTFE	聚四氟乙烯 PTFE
6	定位锁 Cascade lock	不锈钢 304	不锈钢 SS304
7	手柄 Handle	不锈钢 304	不锈钢 SS304
8	阀杆螺母 Stem nut	不锈钢 304	不锈钢 SS304
9	填料压盖 Gland nut	不锈钢 304	不锈钢 SS304
10	手柄套 Handle cover	塑料 Plastic	塑料 Plastic
11	密封帽 Seal bottle cap	不锈钢 316/304	不锈钢 SS304
12	垫圈 Washer	聚四氟乙烯 PTFE	聚四氟乙烯 PTFE

□ 主要外形尺寸 Main Outline Dimensions

Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"	5"	6"	8"
SQ72/71F-16-100P												
d	15	19	23.5	30	36	45	58	67	76	100	125	195
L	32	38.5	45	55	62	72	95	120	145	200	225	275
D	95	105	115	135	145	160	180	195	215	245	280	335
D ₁	65	75	85	100	110	125	145	160	180	210	240	295
D ₂	45	55	65	78	85	100	120	135	155	185	210	265
H	62	70	79	86	92	102	158	172	187	200	240	278
E	110	125	135	150	150	180	250	300	350	650	840	1000
B	14	14	16	16	18	20	22	24	24	26	26	28
z-d ₁	4-14	4-14	4-14	4-18	4-18	4-18	4-18	8-18	8-18	8-18	8-23	12-20
f	2	2	2	3	3	3	3	3	3	3	3	3

注: 其中6"、8"阀体为两段式超短型结构。 Note: the 6" and 8" valve body is a two-stage ultra-short structure.


性能规范 Performance Specification

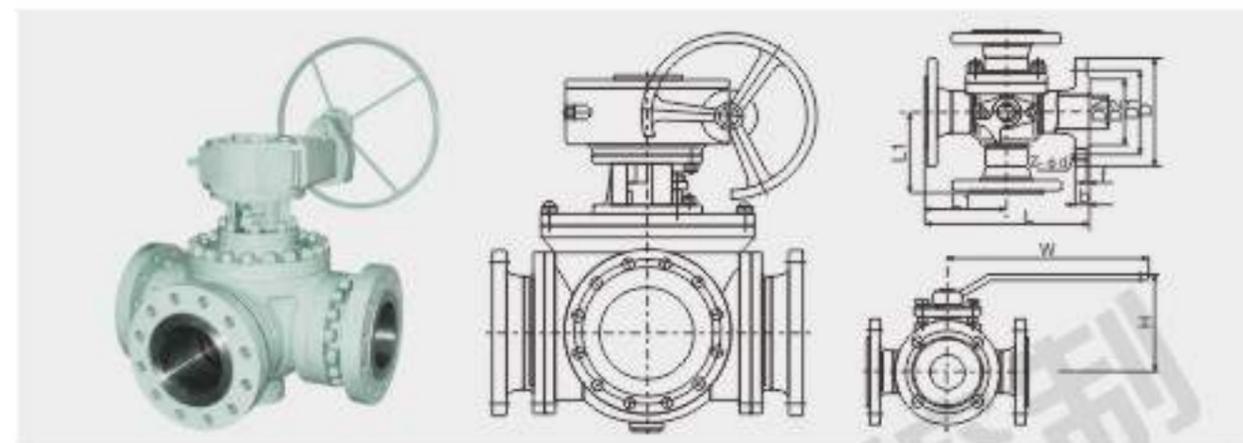
连接形式: 法兰、对夹式
 法兰连接尺寸按JB/T79-94或GB/T9113
 阀体材料: WCB, CF8, CF8M, CF3, CF3M
 阀座材料: 钴基硬质合金、聚四氟乙烯
 驱动型式: 蜗轮Gear、气动
 用途: 开关型或调节型

Connecting type: Flange, Wafer
 Flange connecting dimensions in accordance with JB/T79-94 or GB/T9113
 Body material: WCB, CF8, CF8M, CF3, CF3M
 Seat material: STL, PTFE
 Actuator type: Gear, pneumatic, Electric
 Purpose: ON/OFF or Regulation Type

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称压力 Nominal pressure MPa	公称口径 Nominal diameter DN	25	32	40	50	65	80	100	150	200	250	300
VQ647F												
1.6MPa	L 法兰(Flange)	102	114	114	124	145	165	194	229	243	297	338
	L 对夹式(Wafer)	50	60	60	75	100	100	115	160	200	240	264
	H 蜗轮	230	240	240	260	270	290	300	450	480	540	640
	H 气动	285	405	405	470	474	590	630	740	860	1040	1070
	H 电动	405	495	495	515	528	547	558	670	705	790	870
	A 蜗轮	220	220	220	220	300	300	300	300	305	305	415
	A 气动	180	180	180	225	225	310	310	310	370	535	630
A 电动	242	242	272	272	272	272	295	330	760	760	760	
2.5MPa	L 法兰(Flange)	102	114	114	124	145	165	194	229	243	297	338
	L 对夹式(Wafer)	50	60	60	75	100	100	115	160	200	240	264
	H 蜗轮	230	240	240	260	270	290	300	450	480	540	640
	H 气动	285	405	405	470	474	590	630	740	860	1040	1070
	H 电动	405	495	495	515	528	547	558	670	705	790	870
	A 蜗轮	220	220	220	220	300	300	300	300	305	305	415
	A 气动	180	180	180	225	225	310	310	310	370	535	630
A 电动	242	242	272	272	272	272	295	330	760	760	760	


产品特点 Product Features

四通换向球阀为X形垂直通道的球阀, 它的特点是球体的两条通道为X形布置, 四个通道口径均布于球体赤道圆周截面上, 当球体沿顺时针旋转90°时, 能使相邻的两个通道实现两两互通。

Four-way reversing valve ball valve for X to the vertical channel. Its characteristic is the sphere of the two channels for X to decorate, four channel diameter are actually sphere equator on the circular cross section, when the ball along the clockwise rotate for 90°, can realize two adjacent channels.

本阀门系列可配置多种驱动装置
 this ball valve can be equipped with several types of operation device.

主要零件材料 Main Part Material

零件名称 Accessory name	材质 Material	
	GB	ASTM
阀体、阀盖 Body, bonnet	WCB	A216-WCB
密封圈 Sealing Ring	PTFE、对位聚苯 PIFE, Counterpart polyphenyl	PTFE、对位聚苯 PIFE, Counterpart polyphenyl
球体 Ball	1Cr18Ni9Ti	SS 304
阀座、阀杆 Seat, Stem	2Cr13	A246-416
双头螺柱 Dual-head double-size bolt	35CrMoA	A193-B7

性能规范 Performance Specification

公称压力PN(MPa) Nominal diameter	壳体 Shell	试验压力 Test pressure	
		高压液密封 High-pressure liquid sealing	低压气密封 Low-pressure gaseous sealing
1.6	2.4	1.76	0.6
2.5	3.75	2.75	
4.0	6.0	4.4	
Class 150	3.0	2.2	
适用工况 Applicable Operating Mode	适用介质 Applicable medium	水、油品、气等非腐蚀性介质和酸碱腐蚀性介质 Non-corrosion medium such as water, oil, products, and gas, etc. and nitric acid corrosion medium	
应用规范 Applicable Specification	适用温度 Applicable temperature	-28~350℃	
	连接法兰 Connection flange	JB79-59, GB9113, HG20592-97, ANSI B16.5	
	检验试验 Test and inspection	GB9/T9092-99, API598	
其余制造规范均按本厂标准 Other manufacturing standard is according to the standard of our factory.			

主要外形尺寸 Main Outline Dimensions

公称压力 Nominal pressure	主要尺寸 Main dimension	公称口径 DN(mm/in) Nominal diameter											
		15/1/2"	20/3/4"	25/1"	32/1 1/4"	40/1 1/2"	50/2"	65/2 1/2"	80/3"	100/4"	125/5"	150/6"	200/8"
Q946F													
PN1.6MPa	L	150	150	180	200	220	240	260	280	320	380	440	550
PN2.5MPa	L1	75	75	90	100	110	120	130	140	160	190	220	275
PN4.0MPa	H	90	90	102	115	135	140	155	185	210	275	305	335
CLASS150	W	140	140	155	250	250	350	350	420	700	1000	1300	1800

产品特点

1. 本产品所有部件均为锻件。
2. 采用下装式阀杆，设置倒密封结构，确保填料处可靠密封及防止阀杆脱出。
3. 采用镶嵌式阀座，阀座背后设置O型圈，确保介质不外漏。

Features

1. All the components are forged ones.
2. Lower-loading stem and backward sealing construction have been setup for positive sealing at stuffing position and backing-outprotectingof the handle.
3. Interbedded valve seat is applied on whose base O-ring is also mounted for avoiding the leakage of medium.

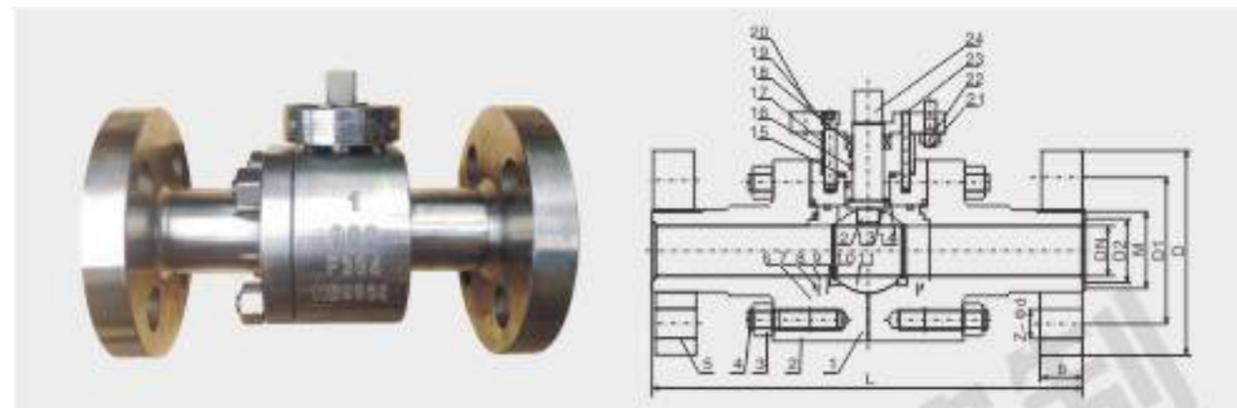
主要性能规范 Main Performance Specification

公称压力PN(MPa) Nominal diameter	试验压力 Test pressure(Mpa)		
	壳体 Shell	壳体 High pressure liquid sealing	低压气密封 Low-pressure hermetic sealing
16.0	24	17.6	0.6
32.0	48	35.2	
适用温度 Applicable temperature	-40~80℃		
适用介质 Applicable medium	水、油品、氮气、氢气、氨气、液化气体等 Water,oil products,nitrogen, ammonia,hydrogen,and liquefied gas, etc.		

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

序号 NO.	材料标准 Material standard	材料牌号 Material mark				序号 NO.	材料标准 Material standard	材料牌号 Material mark			
		碳钢 Carbon steel		不锈钢 Stainless steel				碳钢 Carbon steel		不锈钢 Stainless steel	
零件名称 Part name	GB	ASTM	GB	ASTM	零件名称 Part name	GB	ASTM	GB	ASTM		
01 阀体 Body	25	A105	1Cr18Ni9Ti	F304/F316/	13 止推轴承 Thrust Bearing	PTFE					
02 阀盖 Bonnet			1Cr18Ni12Mo2Ti	F304L/F316L	14 "O"型密封圈 "O" sealing ring	氟橡胶 VITON					
03 螺母 Nut	45	A193-2H	0Cr18Ni	A194-B8M	15 "O"型密封圈 "O" sealing ring	氟橡胶 VITON					
04 双头螺柱 Stud	35CrMoA	A193-B7	1Cr17Ni2	A193-B8M	16 "O"型密封圈 "O" sealing ring	氟橡胶 VITON					
05 法兰 Flange	25	A105	1Cr18Ni9Ti 1Cr18Ni12 Mo2Ti	F304/F316/ F304L/F316L	17 上滑动轴承 Stem bearing	金属夹PTFE Metal Backed PTFE					
06 "O"型密封圈 "O" sealing ring	氟橡胶 VITON				18 填料 Packing	石墨 GRAPHITE					
07 "O"型密封圈 "O" sealing ring	氟橡胶 VITON				19 螺钉 Bolt	35CrMoA	A193-B7	1Cr17Ni2	A193-B8M		
08 阀座支承圈 Seat retainer	25镀锌 25HRC	A105镀锌 A105HRC	1Cr18Ni9Ti 1Cr18Ni12Mo2Ti	F304/F316/ F304L/F316L	20 连接盘 Connecting Piece	25	A105	1Cr18Ni9Ti 1Cr18Ni12Mo2Ti	F304/F316/ F304L/F316L		
09 "O"型密封圈 "O" sealing ring	氟橡胶 VITON				21 双头螺柱 Stud	35CrMoA	A193-B7	1Cr17Ni2	A193-B8M		
10 阀座 Seat	尼龙 NYLON				22 螺母 Nut	45	A193-2H	0Cr18Ni	A194-B8M		
11 球体 Ball	1Cr18Ni9Ti	304	1Cr18Ni9Ti 1Cr18Ni12Mo2Ti	F304/F316/ F304L/F316L	23 销 Pin	45	A193-2H	0Cr18Ni	A194-B8M		
12 上阀杆 Stem	2Cr13	A276-410	1Cr18Ni9Ti 1Cr18Ni12Mo2Ti	F304/F316/ F304L/F316L	24 键 Key	40Cr	40Cr	1Cr17Ni2	1Cr17Ni2		



主要外型及连接尺寸表 Form Main Types and Connecting Dimension

单位Unit:mm

公称压力PN(MPa) Nominal diameter	公称口径DN(mm) Nominal pressure	L	D	D ₁	M	D ₂	b	Z-φ d
16.0	10	210	95	60	M24 x 2	18	20	3-φ18
	15	230	95	60	M24 x 2	20	20	3-φ18
	20	240	105	68	M33 x 2	28	20	3-φ18
	25	260	105	68	M33 x 2	28	22	3-φ18
	32	300	115	80	M42 x 2	38	24	4-φ18
	40	350	165	115	M52 x 2	48	30	6-φ26
	50	400	165	115	M64 x 3	58	32	6-φ26
	65	490	200	145	M80 x 3	74	40	6-φ29
	80	580	225	170	M100 x 3	94	50	6-φ33
	100	620	260	190	M125 x 4	115	60	6-φ36
32.0	125	750	300	235	M155 x 4	146	75	8-φ39
	150	800	330	255	M215 x 4	163	78	8-φ42
	200	850	400	315	M215 x 6	193	90	8-φ48
	10	210	95	60	M24 x 2	18	20	3-φ18
	15	230	105	68	M33 x 2	28	20	3-φ18
	20	240	105	68	M33 x 2	28	20	3-φ18
	25	260	115	80	M42 x 2	35	25	4-φ18
	32	300	135	95	M52 x 2	41	30	4-φ22
	40	350	165	115	M64 x 3	47	35	6-φ26
	50	400	200	145	M80 x 3	70	40	6-φ29
32.0	65	490	225	170	M100 x 3	90	50	6-φ33
	80	580	260	195	M125 x 4	112	55	6-φ36
	100	620	300	235	M155 x 4	135	65	8-φ36
	125	750	330	255	M175 x 4	146	78	8-φ42
	150	800	400	315	M215 x 6	163	90	8-φ48
	200	850	480	380	M265 x 6	193	120	8-φ60



主要零件材质 Form Of Major Parts Materials

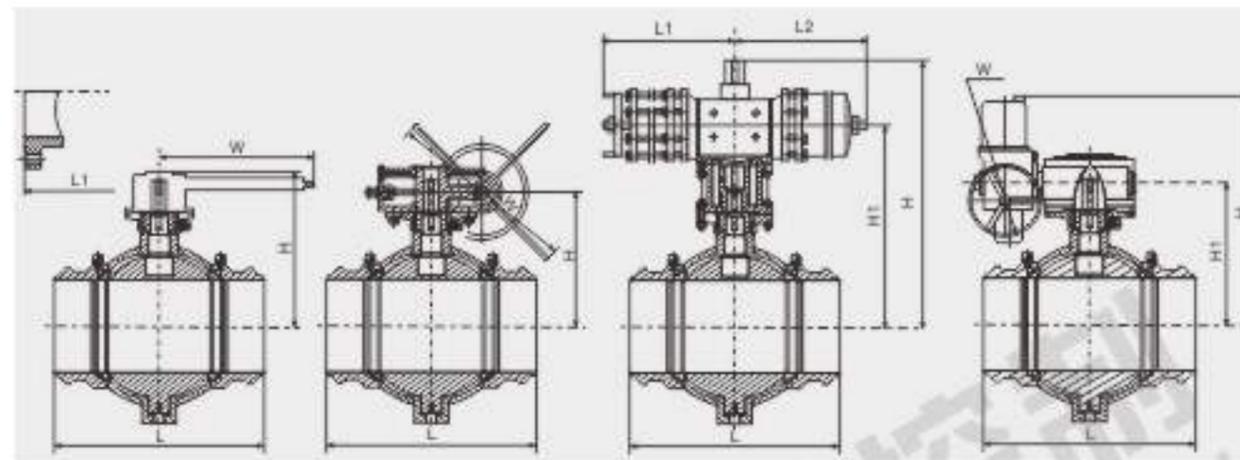
零件名称 Part name	材质 Material	
	GB	ASTM
衬套 Bushing	锡青铜+PTFE NiKealium+PTFE	锡青铜+PTFE NiKealium+PTFE
螺钉 Machine screw	25	A105
弹簧 Spring	60Si2Mn	Inconel X-75
阀体 Body	25	A105
螺栓 Bolt	35CrMoA	A193-B7
球体** Ball**	WCB+ENP	A216-WCB+ENP
阀座* Seat*	25	A105
密封圈 Sealing ring	PTFE	PTFE
碟簧 Dish spring	60Si2Mn	AISI 9260
阀座旋转驱动装置 Device for seat rotating	组合件 Assembled	
阀杆密封圈 Sealing ring for stem	PTFE	PTFE
衬套 Bushing	锡青铜+PTFE NiKealium+PTFE	锡青铜+PTFE NiKealium+PTFE
上阀杆* Stem*	1Cr13	A182-F6a
连接套 Connection set	45	AISI C 1045
驱动机构 Driving	组合件 Assembled	

注：*抗硫型阀门该零件的材质为GB(1Cr18Ni9)、ASTM(A276-321)

**抗硫型阀门该零件的材质为GB(1Cr18Ni9、CF8+Ni.P)、ASTM(A182-304、CF8+Ni.P)系列阀门主要零部件及密封面的材质可根据实际工况条件或用户特殊要求设计选用。

Notes: * The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9) ASTM (A276-321)

**The material of this part about the anti-sulphur type valve is GB(1Cr18Ni9、CF8+Ni.P)、ASTM(182-304、CF8+Ni.P)Major parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirement.



尺寸及重量 Size And Weight (PN1.6MPa)

单位Unit:mm

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500
对焊 But Welding	L	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1346	1524	1727	1930	1829	2180	2300	2400
法兰 Flange	L1	178	191	203	229	356	394	457	533	610	686	762	864	914	1067	1245	1372	1524	1721	1689	2100	2250	2400
手动 Hand- operator	H	107	125	152	178	300	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	230	360	400	450	700	750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kg	23	42	50	65	70	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗 杆传动 Worm Gear Operator	H	-	-	-	-	-	-	337	385	414	447	510	538	538	685	730	930	990	1070	1260	1370	1480	1550
	W	-	-	-	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800
	型号 Type	-	-	-	-	-	-	B	B	C	C	D	D	D	DA	DA	DB	DB	DC	DC	DC	DH	DH
Kg	-	-	-	-	-	-	133	208	312	413	577	780	1028	1706	2534	3644	4986	6800	8500	11173	12300	15800	
气动 Air- Opening	H	269	379	389	479	554	666	804	839	972	112	1459	1529	1599	1645	1160	1460	1510	1610	-	-	-	-
	H1	174	248	258	322	395	457	595	630	728	883	1154	1224	1294	915	930	1100	1150	1250	-	-	-	-
	L1	89	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1685	1685	1960	-	-	-	-
	L2	181	257	257	287	287	378	378	378	530	530	680	680	680	1455	1455	1685	1685	1960	-	-	-	-
	型号 Type	AG09	AG13	AG13	AW13	AW13	AW17	AW17	AW17	AW20	AW20	AW28	AW28	AW28	AW28	C1-355	C1-355	C2-400	C2-400	C3-600	-	-	-
Kg	40	50	72	80	110	130	180	300	350	450	610	820	1100	1900	2600	4000	5100	7200	-	-	-	-	
电动 Electric Driving	H	-	-	-	-	-	435	480	532	600	610	670	760	783	903	982	1108	1445	1655	1954	2064	2174	2244
	H1	-	-	-	-	-	215	262	315	320	360	420	510	590	630	725	835	880	970	1230	1340	1450	1520
	W	-	-	-	-	-	200	200	200	280	290	290	305	305	305	400	400	480	460	600	600	600	600
	型号 Type	-	-	-	-	-	SVC-04 +H8C	SVC-04 +H8C	SVC-04 +H18C	SVC-04 +H18C	SVC-08 +H8C												
	Kg	-	-	-	-	-	145	145	310	360	475	625	880	1200	2100	2750	4230	6000	7800	9000	12500	12500	17000

□ 尺寸及重量 Size And Weight (PN2.5, 4.0MPa) 单位Unit:mm

DN	mm	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500	
手动 Hand-operated	L	216	241	283	305	381	457	521	559	635	762	838	914	991	1143	1346	1524	1727	2083	2050	2180	2300	2400	
	L1	216	241	283	305	381	403	502	568	648	762	838	914	991	1143	1346	1524	1727	2083	1960	2020	2250	2400	
	H	107	125	152	178	300	330	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗杆传动 Worm Gear Operated	W	230	400	400	600	750	800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kg	32	48	65	75	82	91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	H	-	-	-	-	-	-	278	375	460	465	510	538	660	830	890	930	990	1070	1260	1370	1480	1550	-
气动 Air-Operated	W	-	-	-	-	-	-	660	600	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
	Kg	-	-	-	-	-	-	152	242	376	489	708	950	1247	2066	3101	4374	6050	8185	9500	13413	14200	17500	-
	H	269	379	452	579	595	595	736	942	994	1188	1280	1480	1554	1380	1430	1599	1790	1850	-	-	-	-	-
电动 Electric Driving	H1	209	248	295	322	386	386	527	696	750	883	975	1080	1154	930	980	1149	1190	1250	-	-	-	-	-
	L1	148	148	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	1960	-	-	-	-	-
	L2	181	257	287	287	378	378	378	530	530	680	680	680	1455	1455	1665	1665	1960	1960	-	-	-	-	-
蜗轮蜗杆传动 Worm Gear Operated	型号 Type	AG13	AG13	AG13	AW13	AW17	AW17	AW20	AW20	AW28	AW28	C1-355	C1-355	C2-430	C2-430	C2-430	C3-600	C3-600	-	-	-	-	-	-
	Kg	49	64	70	82	112	145	220	310	395	510	752	1000	1320	2200	3200	4520	6500	9100	-	-	-	-	-
	H	-	-	-	-	-	434	480	432	641	611	670	781	783	903	998	1108	1565	1655	2105	2245	2395	2470	-
电动 Electric Driving	H1	-	-	-	-	-	217	263	315	360	360	420	510	590	670	725	835	880	970	1420	1560	1710	1785	-
	W	-	-	-	-	-	200	200	200	280	280	280	305	305	305	400	460	460	460	600	600	800	800	-
	Kg	-	-	-	-	-	170	290	330	415	475	780	1200	1380	2400	3500	4630	6850	10500	11000	14000	15200	18100	-

□ 尺寸及重量 Size And Weight (PN6.4MPa) 单位Unit:mm

DN	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050	1200	1400	1500	
手动 Hand-operated	L	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2057	2400	2400	2700	
	L1	292	330	356	406	495	597	673	762	826	902	978	1054	1232	1397	1651	1880	2300	2050	2180	2300	2400	
	H	108	155	197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
蜗轮蜗杆传动 Worm Gear Operated	W	230	400	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Kg	38	52	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	H	-	-	-	115	180	254	325	392	390	455	590	630	759	836	915	987	1212	1260	1370	1480	1550	-
气动 Air-Operated	W	-	-	-	600	600	800	800	800	800	800	800	800	800	800	800	800	800	800	1000	1000	1000	1000
	Kg	-	-	-	88	105	169	260	420	525	820	1120	1400	2400	3400	4800	7200	9600	11500	16000	18000	22000	-
	H	269	-	519	636	728	839	1014	1120	1225	1675	-	1675	1945	1945	-	-	-	-	-	-	-	-
电动 Electric Driving	H1	209	-	295	322	386	527	696	750	883	1080	-	1080	980	980	-	-	-	-	-	-	-	-
	L1	148	-	287	287	378	378	530	530	680	680	-	680	1665	1665	-	-	-	-	-	-	-	-
	L2	257	-	287	287	378	378	530	530	680	680	-	680	1665	1665	-	-	-	-	-	-	-	-
蜗轮蜗杆传动 Worm Gear Operated	型号 Type	AG13	-	AW13	AW13	AW17	AW20	AW20	AW28	AW28	C1-355	-	C1-355	C2-430	C2-430	-	-	-	-	-	-	-	-
	Kg	55	-	85	96	142	200	315	425	580	820	-	1450	2520	3800	-	-	-	-	-	-	-	-
	H	-	-	-	-	434	480	432	640	611	671	761	763	903	998	1108	1260	1505	1954	2064	2174	2244	-
电动 Electric Driving	H1	-	-	-	-	217	262	360	400	472	510	590	630	725	835	960	1205	1230	1340	1450	1520	-	-
	W	-	-	-	-	200	200	200	280	280	280	305	305	305	400	400	600	600	600	600	600	600	600
	Kg	-	-	-	-	172	235	340	465	600	850	1200	1500	2000	4200	5200	7900	9500	12500	17500	19000	23500	-

□ 钢制球阀 Steel Ball Valve

球阀适用于区域供热(热电联产)、输热、输油及除氧水等工业管线。
Ball valve is suitable for district heating (CHP), lose heat, oil, oxygen water industrial pipeline, etc.

□ 结构 Structure

阀门是由全焊接的阀体和碳增强特氟隆密封垫组成,可以在频繁操作,有杂质及化学物质的情况下长寿命运行。研磨精组的不锈钢球体可以保证多年开闭自如,运行可靠。

采用浮球结构,斜面弹性垫圈保证密封圈紧压在球体之上,即使在压力不稳定的情况下,阀门可以保证严密。

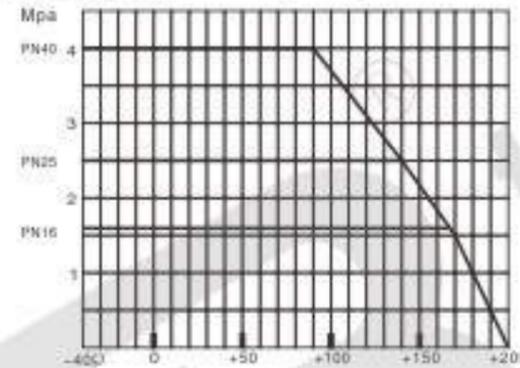
阀杆的防泄漏结构使用两个“O”型圈,使阀杆转动自如密封严密。

Valve is made up of all welded body and carbon enhancement of teflon gasket, can be in frequent operation, a magazine and chemicals under the condition of long life. Fine grinding stainless steel ball can ensure that open and close freely for many years, reliable operation.

Structure of floating ball, elastic washer cant guarantee seal compression on a sphere, even in the case of pressure is not stable, the valve can guarantee closely.

the valve stem leakage protection structure using two "O" type circle, freely to rotate the valve stem seal tightly.

□ 压力/温度曲线 Pressure/Temperature Curves



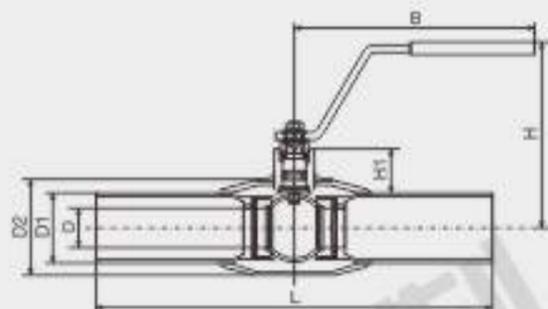
□ 特性 Features

不需要维护,调整及润滑,易于安装,在低运行费用下长期可靠运行。
阀杆可以加长,易于保温。
操作手柄可以拆下,换向安装。
阀体不含沉重且不可靠的铸件。
安装调节机构,非常简便。

—Don't need maintenance, adjustments and lubrication, easy to install, low in operating cost under long-term reliable operation.
—Stem could be longer, easy to heat preservation.
—Operating handle can be removed, the reversing installation.
—The body does not contain heavy and unreliable castings.
—Install regulator, it is very convenient.

□ 主要零件说明 Main Parts Description

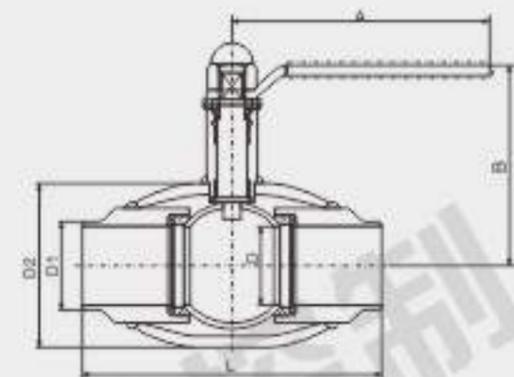
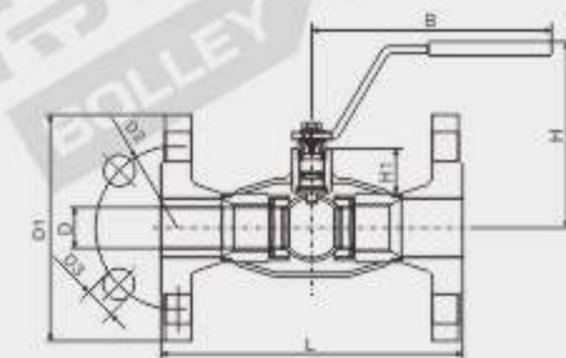
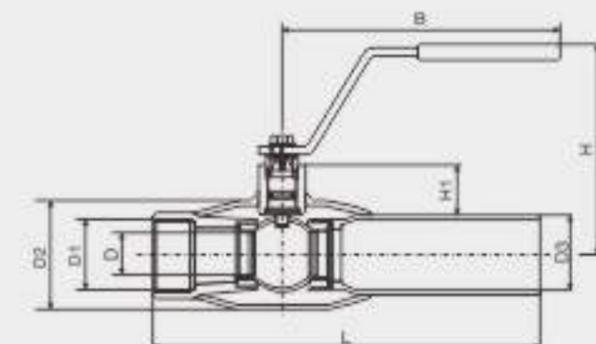
序号	零件名称	No.	Part Name
01	手柄	01	Handle
02	定位销	02	Pin
03	O型圈	03	O type Ring
04	阀杆	04	Stem
05	阀体	05	Body
06	阀座密封圈	06	Seat Sealing Ring
07	防火圈	07	Fire Protection Ring
08	蝶形弹簧	08	Butterfly Spring
09	球体	09	Ball
10	平垫	10	Flat Pad
11	防吹出锁母	11	Blow out lock
12	润滑铜套	12	Lubricating copper sleeve

缩径钢制焊接球阀
 连接方式: 焊接/焊接
 Reducing steel welded ball valve
 Connection mode: welding/welding

 缩径钢制焊接球阀
 连接方式: 焊接/焊接,
 可装齿轮箱、气动、电动
 Reducing steel welded ball valve
 Connection mode: welding/welding,
 to stay in gear box, pneumatic, electric

缩径焊接/焊接 Reducing Welding/Welding

DN	PN	L	D	D1	D2	H	B	C	H1	Weight(Kg)	扭矩(N.m)
10	40	230	10	17.2	33.7	98	145	-	22	0.5	1-2
15	40	230	10	21.3	33.7	98	145	-	22	0.5	1-2
20	40	230	15	26.9	42.4	103	145	-	23	0.7	3-4
25	40	230	20	33.7	48.3	118	145	-	34	1.0	5-7
32	40	260	25	42.4	60.3	121	145	-	33	1.4	8-11
40	40	260	32	48.3	76.1	120	190	-	43	1.8	12-18
50	40	300	40	60.3	88.9	127	190	-	44	2.6	25-32
65	25	300	50	76.1	114.3	170	280	-	71	4.4	38-45
80	25	300	65	88.9	139.7	185	280	-	77	5.6	55-65
100	25	325	80	114.3	168.3	210	280	-	102	8.4	110-120
125	25	325	100	139.7	177.8	253	400	-	101	13.4	200-250
150	25	350	125	168.3	219.1	273	600	-	107	18.0	300-340
200	25	400	150	219.1	273	300	900	-	123	36.3	450-480
250	25	530	200	273	355.6	345	1200	-	122	72.0	750-800
300	25	550	250	323.9	457	572	280	193	155	193	900-950
350	25	650	300	355.6	508	697	325	150	187	395	1200-1300
400	25	760	350	406.4	610	764	466	175	221	567	1900-2000
500	25	914	400	508	680	810	466	175	211	746	
600	25	1067	500	610	830	973	466	175	259	1568	

 注: 阀门直径大于125mm或更大时, 我们建议采用齿轮操作。
 Note: the valve diameter greater than 125 mm or more, we suggest that adopt gear operation.

 全径钢制焊接球阀
 连接方式: 焊接/焊接
 All steel welded ball valve
 Connection mode: welding/welding

 缩径钢制焊接球阀
 连接方式: 法兰/法兰
 Reducing steel welded ball valve
 Connection mode: flange/flange

 缩径钢制焊接球阀
 连接方式: 螺纹/焊接
 Reducing steel welded ball valve
 Connection mode: thread/welding


全径焊接/焊接 Full Bore Welding/Welding

DN	PN	L	D	D1	D2	A	H	B	H1	Weight (Kg)	扭矩(N.m)
15	40	210	15	21.7	42.7	129	103	64	22	-	3-4
20	40	230	20	27.2	48	159	118	76	23	-	5-7
25	40	260	25	34.0	60	159	121	85	34	-	8-11
32	40	260	32	42.7	76	230	120	95	33	-	12-18
40	40	300	40	48.6	89	230	127	100	43	-	25-32
50	40	300	50	60.5	114	300	170	159	44	-	38-45
65	25	300	65	76.3	140	300	185	170	71	-	55-65
80	25	300	80	89.1	165	400	210	192	77	-	110-120
100	25	325	100	143	216	400	253	208	102	-	200-250
125	25	350	125	139.8	219	450	273	241	101	-	300-340
150	25	490	150	165.2	355	450	30	280	107	-	450-480
200	25	580	200	216.3	356	252	345	500	123	-	750-800
250	25	550	25	267.4	457	236	572	500	122	-	900-950
300	25	630	300	318.5	508	331	697	600	155	-	1200-1300
350	25	762	337	355.6	559	331	764	600	187	-	1900-2000
400	25	840	387	406.4	660	360	810	700	221	-	-
500	25	1010	489	508.0	812	413	973	800	211	-	-

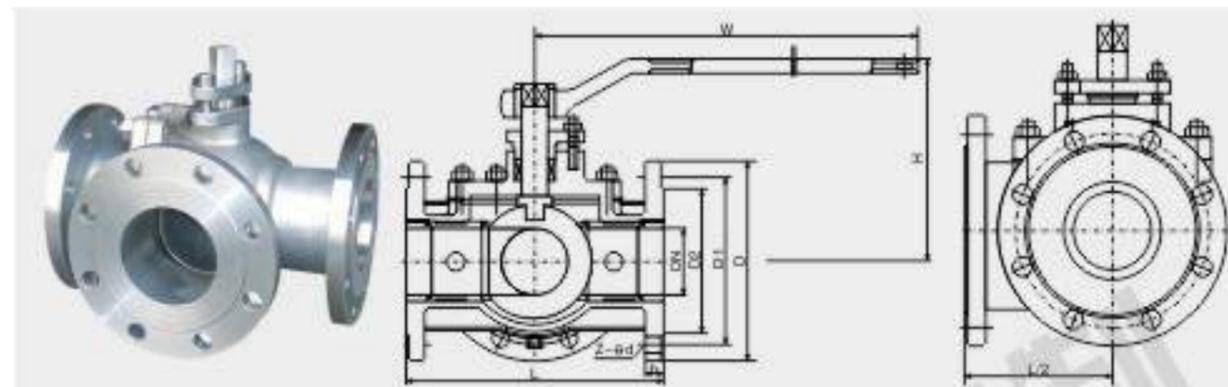
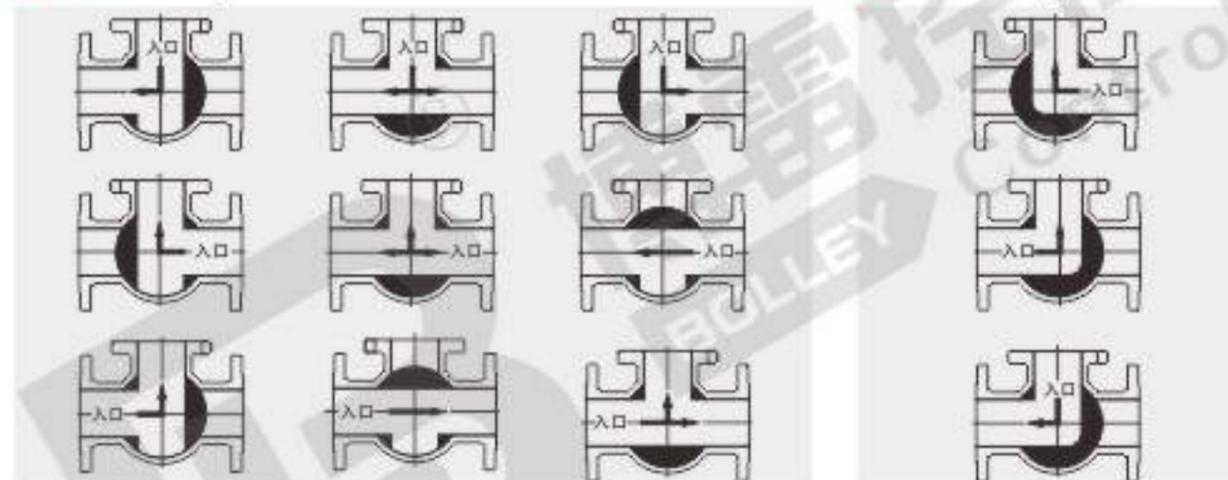
缩径法兰/法兰 Reducing Flange/Flange

DN	PN	L	D	D1	D2	D3	H	B	H1	Weight (Kg)	扭矩(N.m)
15	40	130	10	95	65	14	98	145	22	1.9	1-2
20	40	150	15	105	75	14	103	145	23	2.7	3-4
25	40	160	20	115	85	14	118	145	34	3.3	5-7
32	40	180	25	140	100	18	121	145	33	5.0	8-11
40	40	200	32	150	110	18	120	190	43	6.0	12-18
50	40	230	40	165	125	18	127	190	44	7.9	25-32
65	25	270	50	185	145	18	170	280	71	11.3	38-45
80	25	280	65	200	160	18	185	280	77	14.9	55-65
100	25	300	80	235	190	22	210	280	102	19.4	110-120
125	25	325	100	270	220	26	253	400	101	28.5	200-250
150	25	350	125	300	250	26	273	600	107	37.1	300-340
200	25	400	150	360	310	26	300	900	123	63.0	450-480
250	25	530	200	425	370	30	345	1200	122	108.6	750-800
300	25	630	250	485	430	30	572	280	155	272	900-950
350	25	690	300	555	490	33	697	325	187	462	1200-1300
400	25	762	350	620	550	36	764	466	221	662	1900-2000

缩径螺纹/焊接 Reducing Thread/Welding

DN	PN	L	D	D1	D2	H	B	H1	Weight (Kg)	扭矩(N.m)
10	40	75	10	R3/8	33.7	98	145	22	0.5	1-2
15	40	85	10	R1/2	33.7	98	145	22	0.5	1-2
20	40	100	15	R3/4	42.4	103	190	23	0.5	3-4
25	40	115	20	R1	48.3	118	145	34	0.7	5-7
32	40	130	25	R1 1/4	60.3	121	145	33	0.8	8-11
40	40	150	32	R1 1/2	76.1	120	190	43	1.5	12-18
50	40	180	40	R2	88.9	127	190	44	2.1	25-32
65	-	-	-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-	-	-	-

注：阀门直径大于125mm或更大时，我们建议采用齿轮操作。
 加长阀门，埋地阀门或阀门安装在不易接近直接操作的地方，可配备加长阀杆及管件，尺寸按用户要求。
 Note: the valve diameter greater than 125 mm or more, we suggest that adopt gear operation.
 Lengthen the valve, buried valve or valve installed in is not easy to place close to direct operation, can be equipped with extended valve rod and pipe fittings, size according to user requirements.


T型通口 "T" Type Ported
L型通口 "L" Type Ported

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称通径 DN	L	D	D1	D2	b	Z-φd	H	W	WT(Kg)
	Q44F/Y-16C Q45F/Y-16C	Q44F/Y-16P Q45F/Y-16P	Q644F/Y-16C Q645F/Y-16C	Q644F/Y-16P Q645F/Y-16P	Q944F/Y-16C Q945F/Y-16C	Q944F/Y-16P Q945F/Y-16P			
15	108	95	65	45	14	4-φ14	95	140	4
20	117	105	75	55	14	4-φ14	105	160	5
25	127	115	85	65	14	4-φ14	113	180	7
32	140	135	100	78	16	4-φ18	135	250	12
40	165	145	110	85	16	4-φ18	142	300	15
50	178	160	125	100	16	4-φ18	154	350	20
65	190	180	145	120	18	4-φ18	175	350	25
80	203	195	160	135	20	8-φ18	190	400	36
100	229	215	180	155	20	8-φ18	225	500	51
125	356	245	210	185	22	8-φ18	245	600	77
150	394	280	240	210	24	8-φ23	265	800	108
200	457	335	295	265	26	12-φ23	305	800	126
250	533	405	355	320	30	12-φ25	370	1300	186

主要外形尺寸 Main Outline Dimensions

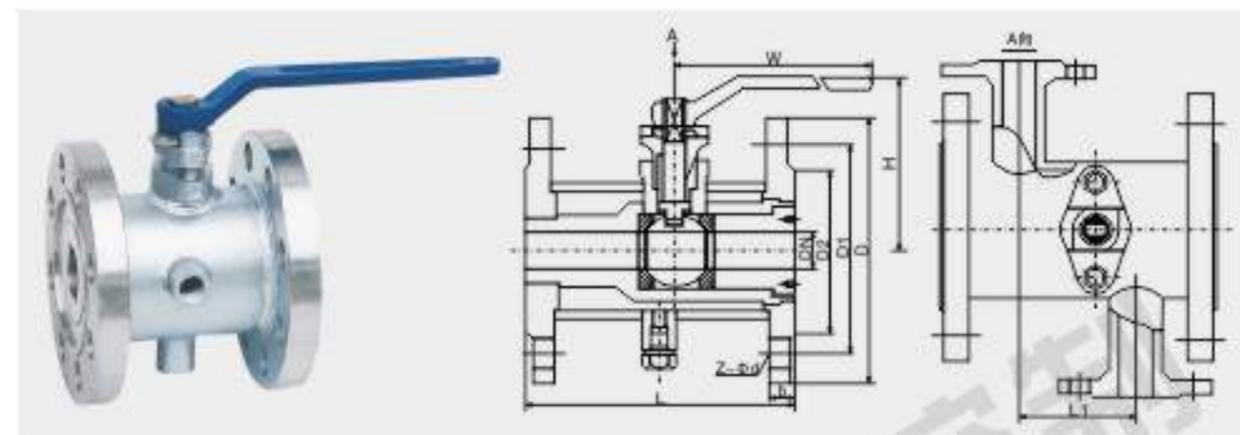
单位Unit:mm

公称口径 DN	L	D	D ₁	D ₂	b	Z-φd	H	W	WT(Kg)
	Q44F/Y-25C Q44F/Y-25P Q45F/Y-25C Q45F/Y-25P		Q644F/Y-25C Q644F/Y-25P Q645F/Y-25C Q645F/Y-25P		Q944F/Y-25C Q944F/Y-25P Q945F/Y-25C Q945F/Y-25P				
15	140	95	65	45	16	4-φ14	95	100	4
20	152	105	75	55	16	4-φ14	105	160	5
25	165	115	85	65	16	4-φ14	113	160	8
32	178	135	100	78	18	4-φ18	135	250	13
40	190	145	110	85	18	4-φ18	142	250	19
50	216	160	125	100	20	4-φ18	154	350	27
65	241	180	145	120	22	8-φ18	175	350	33
80	283	195	160	135	22	8-φ18	190	450	40
100	305	230	190	160	24	8-φ23	225	450	53
125	381	270	220	188	28	8-φ25	245	600	86
150	403	300	250	218	30	8-φ25	265	800	113
200	502	360	310	278	34	12-φ25	305	1200	133
250	568	425	370	332	36	12-φ30	370	1400	219

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	L	D	D ₁	D ₂	D ₃	b	Z-φd	H	W	WT(Kg)
	Q44F/Y-40C Q44F/Y-40P Q45F/Y-40C Q45F/Y-40P		Q644F/Y-40C Q644F/Y-40P Q645F/Y-40C Q645F/Y-40P		Q944F/Y-40C Q944F/Y-40P Q945F/Y-40C Q945F/Y-40P					
15	140	95	65	45	40	16	4-φ14	95	100	4
20	152	105	75	55	51	16	4-φ14	105	160	5
25	165	115	85	65	58	16	4-φ14	113	160	8
32	178	135	100	78	66	18	4-φ18	135	250	13
40	190	145	110	85	76	18	4-φ18	142	250	19
50	216	160	125	100	88	20	4-φ18	154	350	27
65	241	180	145	120	110	22	8-φ18	175	350	33
80	283	195	160	135	121	22	8-φ18	190	450	40
100	305	230	190	160	150	24	8-φ23	225	450	56
125	381	270	220	188	176	28	8-φ25	245	600	86
150	403	300	250	218	204	30	8-φ25	265	800	113
200	502	375	320	282	260	38	12-φ30	305	1200	133
250	568	455	385	345	313	42	12-φ34	370	1400	219


主要外形尺寸 Main Outline Dimensions

(BQ41/641/941F-16C/P/R) 单位Unit:mm

公称口径 DN	PN1.6MPa										WT(Kg)
	L	L ₁	D	D ₁	D ₂	b	Z-φd	H	W		
15	108	45	95	65	45	14	4-φ14	95	160	2.5	
20	117	55	105	75	55	14	4-φ14	101	160	3	
25	127	65	115	85	65	14	4-φ14	106	160	5	
32	140	78	135	100	78	16	4-φ18	112	230	6	
40	165	85	145	110	85	16	4-φ18	125	230	7	
50	178	100	160	125	100	16	4-φ18	135	230	10	
65	191	120	180	145	125	18	4-φ18	170	400	16	
80	203	135	195	160	135	20	8-φ18	193	400	19	
100	229	155	215	180	155	20	8-φ18	265	700	33	
125	356	185	245	210	185	22	8-φ18	310	700	48	
150	394	210	280	240	210	24	8-φ23	355	1100	62	
200	457	265	335	295	265	26	12-φ23	410	1500	93	
250	533	320	405	355	320	30	12-φ25	560	1500	120	

主要外形尺寸 Main Outline Dimensions

(BQ41/641/941F-25C/P/R) 单位Unit:mm

公称口径 DN	PN2.5MPa										WT(Kg)
	L	L ₁	D	D ₁	D ₂	b	Z-φd	H	W		
15	140	45	95	65	45	16	4-φ14	95	160	3	
20	152	55	105	75	55	16	4-φ14	101	160	4	
25	165	65	115	85	65	16	4-φ14	106	160	6	
32	178	78	135	100	78	18	4-φ18	112	230	7	
40	190	85	145	110	85	18	4-φ18	125	230	38	
50	216	100	160	125	100	20	4-φ18	135	230	11	
65	241	120	180	145	120	22	8-φ18	170	400	18	
80	283	135	195	160	135	22	8-φ18	193	400	23	
100	305	155	230	190	160	24	8-φ23	265	700	40	
125	381	185	270	220	188	28	8-φ25	310	700	70	
150	403	210	300	250	218	30	8-φ25	355	1100	102	
200	502	265	360	310	278	34	12-φ25	410	1500	150	
250	568	320	425	370	332	36	12-φ30	560	1500	182	

结构特点 Structural Characteristics

- 1、阀座设外台阶与阀体内台阶相配合的结构，防止了球体与阀座发生卡阻或脱离等现象。
- 2、利用偏心阀体、偏心球体和阀座、阀杆作旋转运动时，在共同轨迹自动定心，关闭过程中越关越紧，完全达到良好密封的目的，所以偏心半球阀密封性能安全可靠；阀门启闭时，球体与阀座完全脱开，消除了密封副的磨损，克服了传统球阀阀座与球体密封面始终磨损的问题。
- 3、非金属弹性材料被嵌于金属座中，阀座金属密封面受到良好的保护。
- 4、全开时流通能力大、压力损失小，且介质不会沉积在阀体腔内。
- 5、使用寿命长，密封副耐磨，且有补偿量，阀座可调整或更换。

执行标准

- 1、设计和制造：GB/T12237-1989； API 608
- 2、检验和试验：GB/T13927-1992； API 598
- 3、法兰连接：JB/T79.1-4-1994； ASME/ANSI B16.5
- 4、结构长度：GB/T12221

Administer Standard

- 1、Design and Manufacture: GB/T12237-1989; API 608
- 2、Inspection and Test: GB/T13927-1992; API 598
- 3、Flange ends: JB/T79.1-4-1994; ASME/ANSI B16.5
- 4、Face to Face: GB/T12221

性能规范 Performance Specification

试验压力 Test pressures 单位: MPa

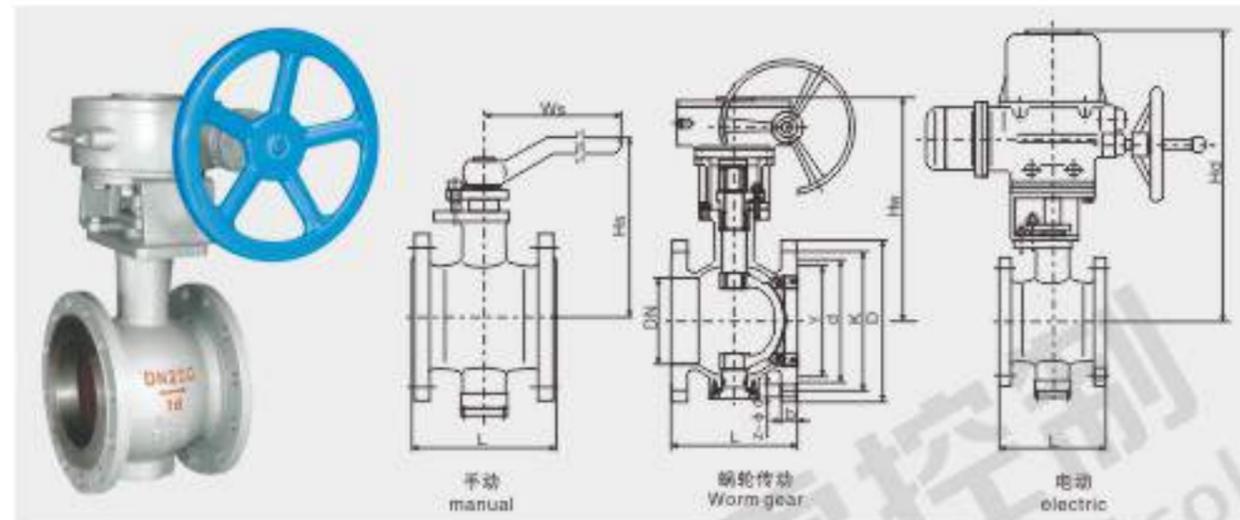
公称压力 Nominal pressures	常压最大 工作压力 The maximum working pressure (normal pressure)	壳体试验压力 Shells test pressure	气密封试验压力 gas seal testing pressure	高压密封试验压力 High-pressure seal testing pressure
1.6	1.6	2.4	0.6	1.76
2.5	2.5	3.8	0.6	2.75
4.0	4.0	6.0	0.6	4.4
6.4	6.4	9.6	0.6	7.1
Class150	2.0	3.0	0.6	2.2
Class300	5.0	7.5	0.6	5.5

使用范围 Uses Scopes

壳体材料 Shells materials	阀座材料 Valve seats materials	适用温度 Applicable temperature	适用介质 Applicable medium
碳钢C型 C-type carbon steel	PTFE+不锈钢 PTFE+stainless steel	≤150℃	水、蒸汽 油品等 Water, the steam, fuel oil and so on
铬镍钛钢P型 Chromium nickel titanium steel P	PTFE+不锈钢 PTFE+stainless steel	≤150℃	醋酸类 Niter acids
铬镍钛钢R型 Chromium nickel titanium steel R	PTFE+不锈钢 PTFE+stainless steel	≤200℃	醋酸类 Vinegar acids
铬镍钛钢I型 Chromium nickel titanium steel I	本体+硬质合金 Main bodies + hard alloy	≤550℃	蒸汽等高温介质 Steam and other high temperature media

主要零件材料 Main Part Material

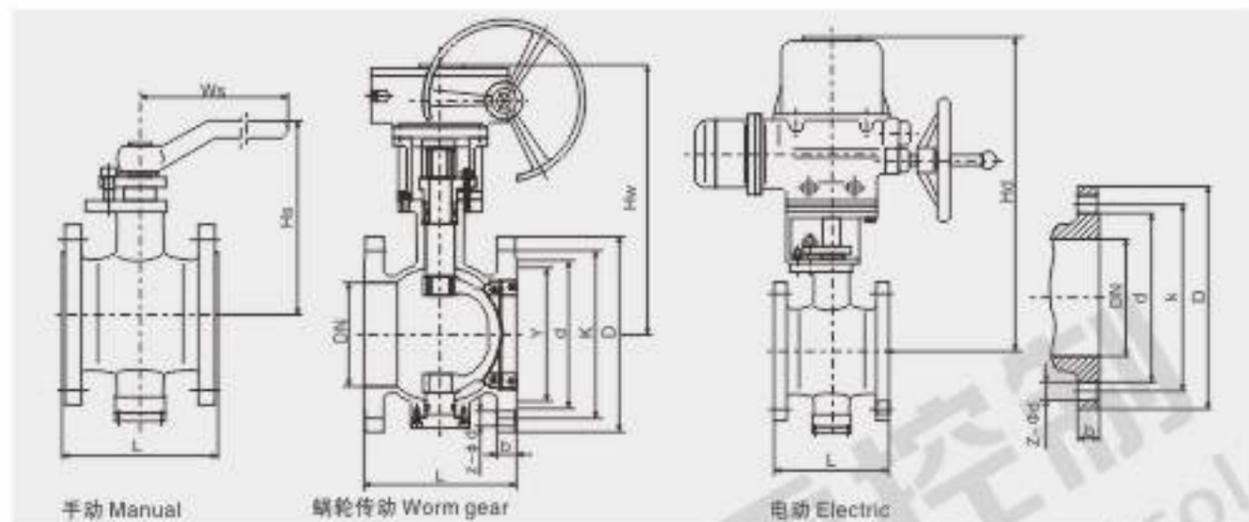
阀体、阀盖 Body, Cover	GB	WCB	ZG1Cr18Ni9Ti	ZG0Cr18Ni12Mo2Ti	ZG15Cr1Mo1V			
	ASTM	WCB	CF8	CF8M	WC9			
球体 Ball	GB	ZG2Cr13	ZG1Cr18Ni9Ti/ 表面特殊处理 Surfaces special handling	ZG0Cr18Ni12Mo2Ti/ 表面特殊处理 Surfaces special handling	ZG15Cr1Mo1V 表面特殊处理 Surfaces special handling			
	ASTM	CA15	CF8+HF	CF8M+HF	WC9+HF			
阀杆 Stem	GB	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti	25Cr2Mo2V			
	ASTM	420	304	316	F22a			
阀座 Seat	GB	PTFE	2Cr13	PTFE	1Cr18Ni9Ti	PTFE	0Cr18Ni12Mo2Ti	D517
	ASTM	PTFE	420	PTFE	304	PTFE	316	HF
填料 Packing	GB	PTFE	柔性石墨 Flexible graphite	PTFE	柔性石墨 Flexible graphite	PTFE	柔性石墨 Flexible graphite	柔性石墨 Flexible graphite
	ASTM	PTFE	柔性石墨 Flexible graphite	PTFE	柔性石墨 Flexible graphite	PTFE	柔性石墨 Flexible graphite	柔性石墨 Flexible graphite
螺栓 Bolt	GB	35	0Cr18Ni9	0Cr18Ni9	15Cr1Mo1V			
	ASTM	A193 B7	A320-B8	A320-B8	A193 B16			
螺母 Nut	GB	45	0Cr18Ni9	0Cr18Ni9	20CrMo			
	ASTM	A194 2H	A194-8	A194-8	A194-4			



主要外形尺寸 Main Outline Dimensions

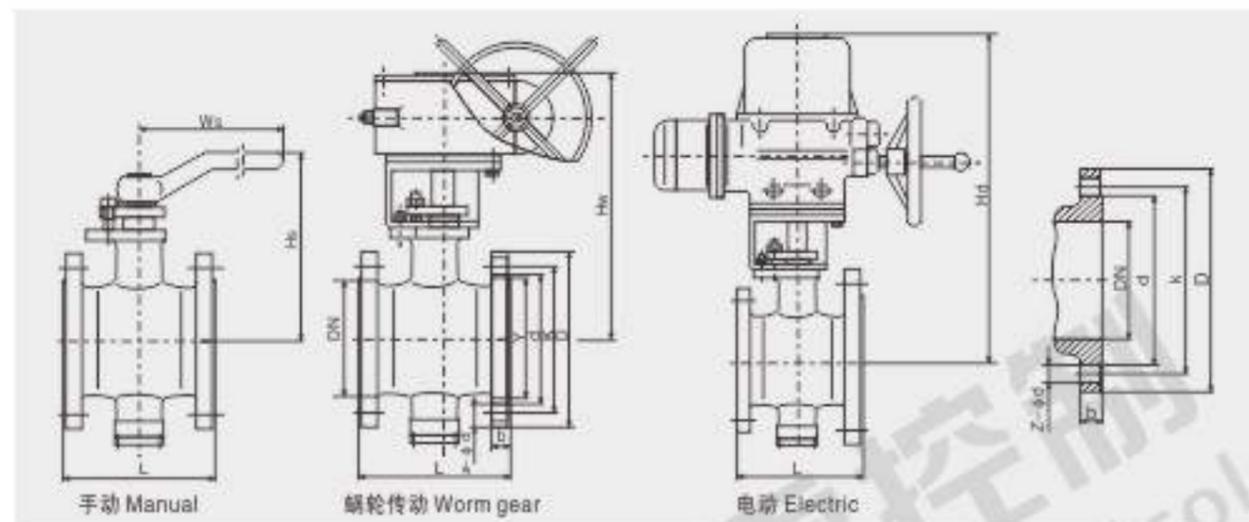
单位Unit:mm

公称压力 PN	公称口径 DN	L	D	K	d	Y	b	Z-Φd	WS	HS	HW	Hd
1.6MPa	50	124	165	125	100	-	16	4-Φ18	230	164	260	310
	65	145	185	145	120	-	18	4-Φ18	250	180	275	330
	80	165	200	160	135	-	20	8-Φ18	300	200	300	360
	100	194	220	180	155	-	20	8-Φ18	320	235	335	390
	125	210	250	210	185	-	22	8-Φ18	400	260	355	405
	150	229	285	240	210	-	24	8-Φ23	500	280	375	440
	200	243	340	295	265	-	26	12-Φ23	800	320	410	470
	250	297	405	355	320	-	30	12-Φ25	1000	355	485	550
	300	338	460	410	375	-	30	12-Φ25	1200	400	530	595
	350	400	520	470	435	-	34	16-Φ25	-	-	580	650
	400	400	580	525	485	-	36	16-Φ30	-	-	650	730
	450	502	640	585	545	-	40	20-Φ30	-	-	710	790
	500	533	715	650	608	-	44	20-Φ34	-	-	760	840
	600	686	840	770	718	-	48	20-Φ41	-	-	870	960
700	762	910	840	788	-	50	24-Φ41	-	-	910	1080	
800	864	1025	950	898	-	52	24-Φ41	-	-	935	1125	
900	914	1125	1050	998	-	54	28-Φ41	-	-	995	1255	
1000	-	1255	1170	1110	-	56	28-Φ48	-	-	1080	1385	
1200	-	1485	1390	1325	-	58	32-Φ54	-	-	1175	1490	
1400	-	1685	1590	1525	-	60	36-Φ54	-	-	1280	1565	
2.5MPa	50	124	165	125	100	-	20	4-Φ18	230	164	260	310
	65	145	185	145	120	-	22	8-Φ18	250	180	275	330
	80	165	200	160	135	-	22	8-Φ18	300	200	300	360
	100	194	230	190	160	-	24	8-Φ23	320	235	335	390
	125	210	270	220	188	-	28	8-Φ25	400	260	355	405
	150	229	300	250	218	-	30	8-Φ25	500	280	375	440
	200	243	360	310	278	-	34	12-Φ25	800	320	410	470
	250	297	425	370	332	-	36	12-Φ30	1000	355	485	550
	300	338	485	430	390	-	40	16-Φ30	1200	400	530	595
	350	400	555	490	448	-	44	16-Φ34	-	-	580	650
	400	400	620	550	505	-	48	16-Φ34	-	-	650	730
	450	502	670	600	555	-	50	20-Φ34	-	-	710	790
	500	533	730	660	610	-	52	20-Φ41	-	-	760	840
	600	686	845	770	718	-	56	20-Φ41	-	-	870	960
700	762	960	875	815	-	60	24-Φ48	-	-	990	1080	
800	864	1065	990	930	-	64	24-Φ48	-	-	935	1125	
900	914	1185	1090	1025	-	66	28-Φ54	-	-	995	1255	
1000	-	1320	1210	1140	-	68	28-Φ58	-	-	1080	1385	
1200	-	1520	1420	1350	-	72	32-Φ58	-	-	1175	1490	
1400	-	1755	1640	1560	-	78	36-Φ65	-	-	1280	1565	


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称压力 PN	公称通径 DN	L	D	K	d	Y	b	Z-φd	WS	HS	HW	Hd
4.0MPa	50	124	165	125	100	88	20	4-φ18	250	180	275	325
	65	145	185	145	120	110	22	8-φ18	300	200	290	345
	80	165	200	160	135	121	22	8-φ18	320	220	315	375
	100	194	235	190	160	150	24	8-φ23	400	260	350	405
	125	210	270	220	188	176	28	8-φ25	500	290	370	420
	150	229	300	250	218	204	30	8-φ25	800	310	390	455
	200	245	375	320	282	260	38	12-φ30	1000	350	435	495
	250	297	450	385	345	313	42	12-φ34	1200	390	510	575
	300	338	515	450	408	364	46	16-φ34	-	-	555	620
	350	400	580	510	465	422	52	16-φ34	-	-	605	675
	400	400	660	585	535	474	58	16-φ41	-	-	675	755
	450	502	685	610	560	524	60	20-φ41	-	-	735	815
500	533	755	670	612	576	62	20-φ48	-	-	785	870	
6.4MPa	50	124	180	135	105	88	26	4-φ23	400	180	275	325
	65	145	205	160	130	110	28	8-φ23	500	200	290	345
	80	165	215	170	140	121	30	8-φ23	650	220	315	375
	100	194	250	200	168	150	32	8-φ25	800	260	350	405
	125	210	295	240	202	176	36	8-φ30	1000	290	370	420
	150	229	345	280	240	204	38	8-φ34	1200	310	390	455
	200	245	405	345	300	260	44	12-φ34	1400	350	435	495
	250	297	470	400	352	313	48	12-φ41	-	-	510	575
	300	338	530	460	412	364	54	16-φ41	-	-	555	620
	350	400	600	525	475	422	60	16-φ41	-	-	605	675
	400	400	670	585	525	474	66	16-φ48	-	-	675	760


主要外形尺寸 Main Outline Dimensions

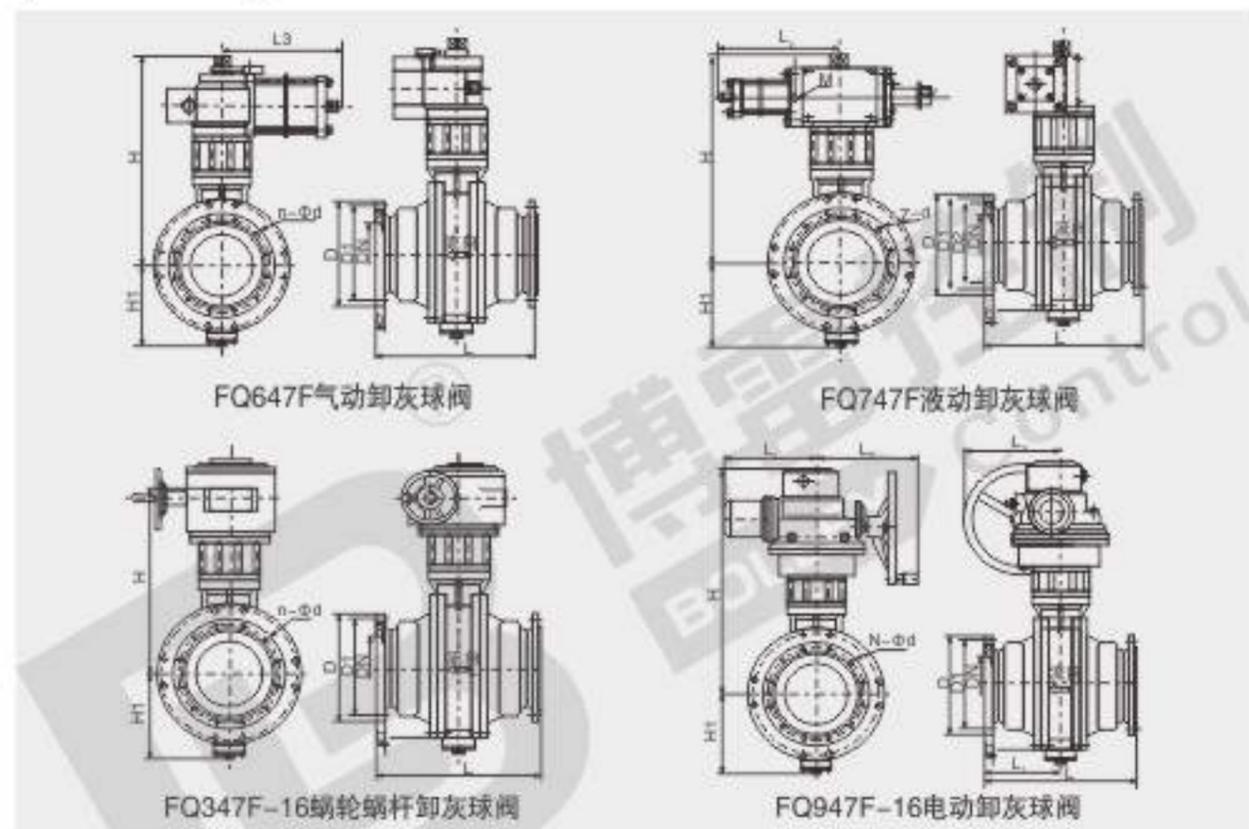
单位Unit:mm

公称压力 PN	公称通径 DN	L	D	K	d	Y	b	Z-φd	WS	HS	HW	Hd
Class 150	2"	124	152	120.5	92	-	16	4-φ19	230	164	260	310
	2 1/2"	145	178	139.5	105	-	18	4-φ19	250	180	275	330
	3"	165	190	152.5	127	-	19	4-φ19	300	200	300	360
	4"	194	229	190.5	157	-	24	8-φ19	320	235	335	390
	5"	210	254	216	186	-	24	8-φ22	400	260	355	405
	6"	229	279	241.5	216	-	26	8-φ22	500	280	375	440
	8"	243	343	298.5	270	-	29	8-φ22	800	320	410	470
	10"	297	406	362	324	-	31	12-φ25	1000	355	485	550
	12"	338	483	432	381	-	32	12-φ25	1200	400	530	595
	14"	400	533	476	413	-	35	12-φ29	-	-	580	650
	16"	400	597	540	470	-	37	16-φ29	-	-	650	730
	18"	430	635	578	533	-	40	16-φ32	-	-	710	790
	20"	533	699	635	584	-	43	20-φ32	-	-	760	840
	24"	660	813	749.5	692	-	48	20-φ35	-	-	870	960
	28"	840	927	864	800	-	71	28-φ35	-	-	910	1080
	32"	864	1060	978	914	-	81	28-φ41	-	-	935	1125
	36"	914	1168	1086	1022	-	90	32-φ41	-	-	995	1255
	40"	-	1289	1200	1124	-	90	36-φ41	-	-	1080	1385
48"	-	1511	1422	1359	-	108	44-φ41	-	-	1175	1490	
56"	-	1746	1651	1575	-	124	48-φ48	-	-	1280	1565	
Class 300	2"	124	165	127	92	-	23	8-φ19	250	180	275	325
	2 1/2"	145	190	149	105	-	26	8-φ22	300	200	290	345
	3"	165	210	168.5	127	-	29	8-φ22	320	220	315	375
	4"	194	254	200	157	-	32	8-φ22	400	260	350	405
	5"	210	279	235	186	-	35	8-φ22	500	290	370	420
	6"	229	318	270	216	-	37	12-φ22	800	310	390	455
	8"	245	381	330	270	-	42	12-φ25	1000	350	435	495
	10"	297	445	387.5	324	-	48	16-φ29	1200	390	510	575
	12"	338	521	451	381	-	51	16-φ32	-	-	555	620
	14"	400	584	514.5	413	-	54	20-φ32	-	-	605	675
	16"	400	648	571.5	470	-	58	20-φ35	-	-	675	755
	18"	502	711	628.5	533	-	61	24-φ35	-	-	735	815
	20"	533	775	686	584	-	64	24-φ35	-	-	785	870

□ 结构特点及用途 Structural Characteristics And Uses

本系列结构特点同喷煤球阀，是控制含尘气体、含颗粒液体、粉末等介质的理想设备，主要适用于高炉除尘卸灰系统。本系列球阀有气动、液动、电动、蜗轮蜗杆等驱动。

This series with the structure characteristics of the coal ball valve, is control dust-contained gas, liquid, powder contain grain medium of ideal equipment, mainly is suitable for the blast furnace dust ash system discharge. This series of ball valve has pneumatic, hydraulic, electric, worm gear and worm drive, etc.


□ 主要性能 The Main Performance

型号 Model	公称压力 Mpa Nominal pressure	强度试验 Mpa Strength test	密封试验 Mpa Seal test	适用温度 °C Suitable temperature	适用介质 Suitable medium
FQ647/747/947/AF-6C	0.6	0.9	0.66	≤350, 150	煤粉、灰渣 泥浆、煤灰等
FQ647/747/947/AF-16C	1.6	2.4	1.76		

□ 气动装置性能参数 Pneumatic Device Performance Parameters

公称口径 Nominal diameter	气缸型号 Cylinder model	供气压力 Supply pressure	管接头 Fittings	动作时间 Action time
DN200-250	QYQGA200×250	0.4-0.6MPa	M18×1.5	≤8S
DN300	QYQGA250×340	0.4-0.6MPa	M27×2	≤8S
DN350-400	QYQGA300×460	0.4-0.6MPa	M27×2	≤8S
DN500-600	QYQGA400×580	0.4-0.6MPa	M27×2	≤8S

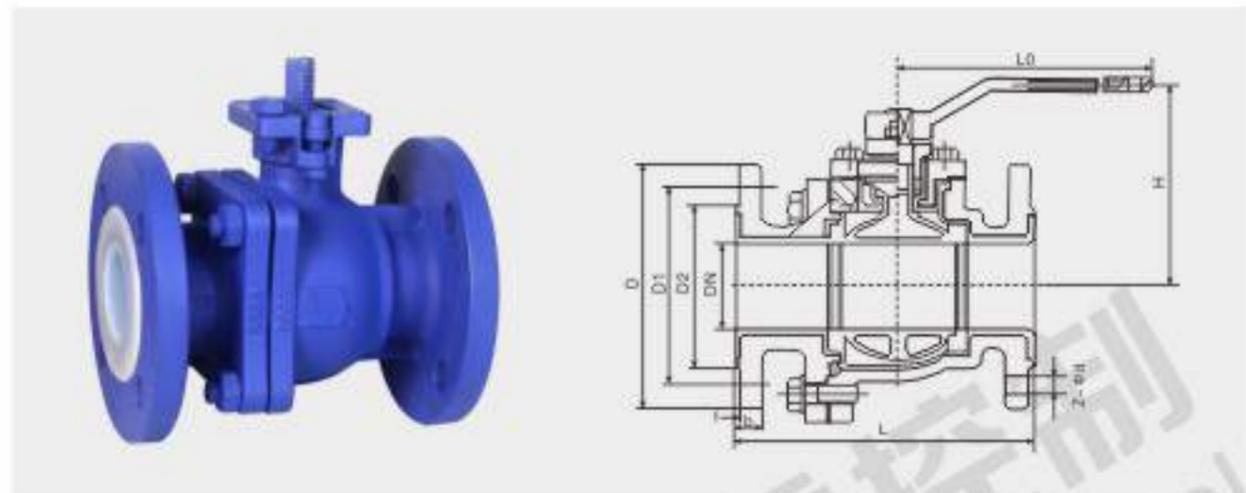
□ 液压装置性能参数 Hydraulic Device Performance Parameters

公称口径 Nominal diameter	液压型号 Hydraulic Model	液压系统压力 Hydraulic system pressure	管接头 Fittings	动作时间 Action time
DN200-250	QYDG100	4-6.3MPa	M18×1.5	≤15S
DN350-400	QYDG120			
DN500-600	QYDG160			

□ 主要外形尺寸 Main Outline Dimensions

单位Unit:mm

型号 Model	公称压力 Nominal pressure	公称口径 DN Nominal diameter	公称口径 DN							
			200	250	300	350	400	500	600	
气动卸灰球阀 FQ647F Pneumatic unloading the gray ball valve	0.6MPa	D	315	370	435	485	535	640	755	
		D1D	280	335	395	445	495	600	705	
		L	500	600	700	800	900	1000	1100	
		L3	655	655	815	1043	1043	1243	1243	
		H	714	821	936	1010	1049	1240	1320	
		H1	270	330	374	414	431	515	595	
		b	22	24	24	26	28	30	30	
	n-φd	8-φ18	12-φ18	12-φ23	12-φ23	16-φ23	16-φ23	20-φ25		
	1.6MPa	D	335	405	460	520	580	705	840	
		D1	295	355	410	470	525	650	770	
		L	500	600	700	800	900	1000	1100	
		L3	655	655	815	1043	1043	1243	1243	
		H	714	821	936	1010	1049	1240	1320	
		H1	270	330	374	414	431	515	595	
b		30	32	34	38	40	46	54		
n-φd	12-φ23	12-φ25	12-φ25	16-φ25	16-φ30	20-φ34	20-φ41			
液动卸灰球阀 FQ747F Hydraulic dumping of ash ball valve	1.6MPa	D	335	405	460	520	580	705	840	
		D1	295	355	410	470	525	650	770	
		D2	265	320	375	435	485	608	718	
		L	500	600	700	800	900	1000	1100	
		L2	578	578	578	578	578	668	668	
		H	708	797	836	866	896	1101	1161	
		H1	270	330	374	414	431	515	595	
	b	30	32	34	38	40	46	54		
	z-d	12-φ23	12-φ25	12-φ25	16-φ25	16-φ30	20-φ34	20-φ41		
	M	18×1.5	18×1.5	18×1.5	18×1.5	18×1.5	27×2	27×2		
	1.6MPa	D	335	405	460	520	580	705	840	
		D1	295	355	410	470	525	650	770	
		L	500	600	700	800	900	1000	1100	
		H	612	701	754	784	842	1010	1102	
H1		270	330	374	414	431	515	595		
b		30	32	34	38	40	46	54		
n-φd		12-φ23	12-φ25	12-φ25	16-φ25	16-φ30	20-φ34	20-φ41		
配用手动装置	S-01	S-02	S-03	S-04	S-05	S-06	S-07			
电动卸灰球阀 FQ947F Electric unloading the gray ball valve	1.6MPa	D	335	405	460	520	580	705	840	
		D1	295	355	410	470	525	650	770	
		L	500	600	700	800	900	1000	1100	
		L1	225	300	322	400	450	500	550	
		L2	274	476	476	476	476	476	476	
		L3	216	400	400	400	400	400	400	
		L4	185	381	381	381	381	381	381	
	H	702	898	937	997	1027	1147	1207		
	H1	270	330	374	414	431	515	595		
	b	30	32	34	38	40	46	54		
	n-φd	12-φ23	12-φ25	12-φ25	16-φ25	16-φ30	20-φ34	20-φ41		
	配用电动装置	DQ200A	QB44000	QB44000	QB45000	QB45000	QB56000	QB56000		


主要性能规范 The Main Performance Standard

型号 Model	公称压力 PN(Mpa)	试验压力Ps(Mpa) Test pressure		工作温度℃ Working temperature	适用介质 Applicable medium
		壳体 Shell	密封 Seal		
Q41F4-10/16	1.0	1.5	1.1	-30~180	除溶解碱金属、三氯化氮、元素氟外的各种浓度的盐酸、硫酸、氢氟酸、王水、硝酸、有机酸、磷酸、强氧化剂等强腐蚀性介质。
Q41F46-10/16	1.6	2.4	1.5	-30~160	In addition to dissolve alkali metal nitrate, three fluoride chloride, elements of the concentration of the various fluorine sulphuric acid, hydrochloric acid, nitric acid, hydrofluoric acid, using, organic acid, alkali, strong oxidizer, strong corrosive medium.

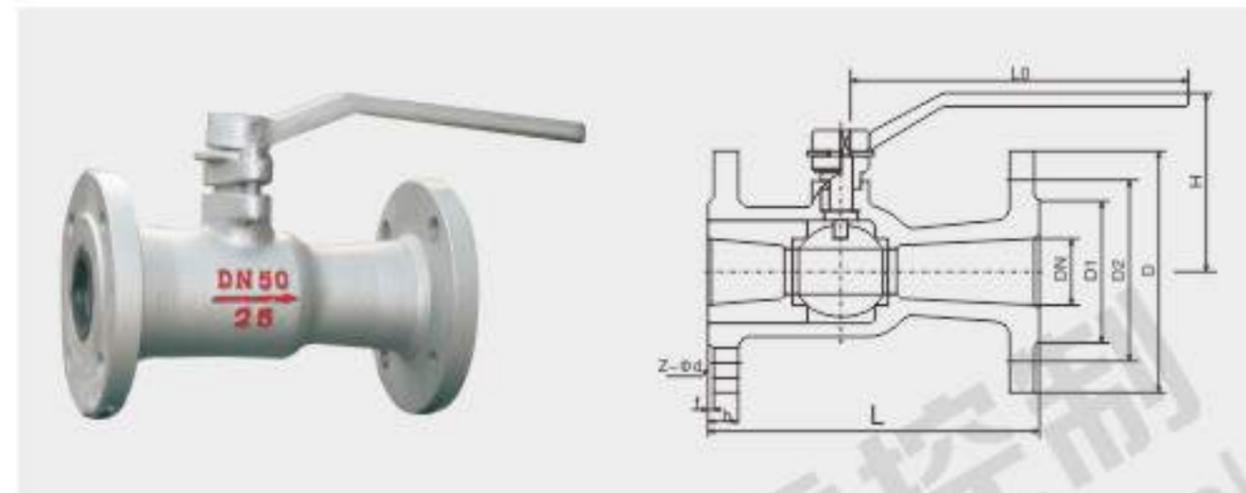
主要零件材料 Main Part Material

型号 Model	零件名称 Parts name	壳体 Body	球体 Sphere	密封圈 Sealing ring	填料 Packing
Q41F4-10/16	材料 Materials	铸钢衬聚四氟乙烯 Cast steel lining ptfе	铸钢外包聚四氟乙烯 Cast steel outsourcing ptfе	聚四氟乙烯 PTFE	聚四氟乙烯 PTFE
Q41F46-10/16		铸钢衬全氟乙丙烯 Cast steel lining fep	铸钢外包全氟乙丙烯 Cast steel outsourcing fep		

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN(mm)	L	D	D1	D2	t	b	Z-φd	H	L0
15	130	95	65	45	3	15	4-φ14	95	100
20	140	105	75	55	3	17	4-φ14	98	160
25	150	115	85	65	3	17	4-φ14	103	160
32	165	135	100	78	3	19	4-φ18	120	250
40	180	145	110	85	3	19	4-φ18	125	250
50	200	160	125	100	3	20	4-φ18	137	350
65	220	180	145	120	3	22	4-φ18	145	350
80	250	195	160	135	3	22	4-φ18	185	450
100	280	215	180	155	3	24	4-φ18	220	450
125	320	245	210	185	3	26	8-φ18	230	600
150	360	280	240	210	3	28	8-φ23	283	800
200	400	335	295	265	4	30	8-φ23	325	1200
250	450	390	350	320	-	30	12-φ23	-	-


用途 Use

 适用于水、蒸汽、气、导热油等
 适用温度: ≤350℃
 Suitable for water, steam, gas, heat conduction oil etc
 Applicable temperature: ≤350℃

特点 Characteristics

 密封可靠、流体阻力小、开关迅速、方便,但使用中必须全开或全关阀门,不能作调节流量使用。
 The sealing is reliable, fluid resistance small, switch quickly, convenient, but must be fully open or close switch should use valve, cannot be adjust flow use.

主要零件材料 Main Part Material

零件名称 Parts name	阀体 Body	螺塞 Screw	球体 Ball	阀杆 Stem	涂层 Coating	密封圈 Sealing ring	手柄 Wrench
材料 Materials	HT200	HT200	不锈钢 SS	2Cr13	中灰油漆 Gray paint in	聚四氟乙烯+石墨+高弹性橡胶 Pte + Graphite + High Elastic Rubber	灰铸铁 Gray cast iron

性能标准 Performance Standards

 按GB/T13927-92标准试验检测
 公称压力: PN1.0 PN1.6 (MPa)
 阀体: PN1.5 PN2.4
 密封(液): PN1.1 PN1.8
 密封(气): PN0.6

 According to GB/T13927-92 standard test
 Nominal pressure: PN1.0 PN1.6 (MPa)
 Body: PN1.5 PN2.4
 Seal (liquid): PN1.1 PN1.8
 Seal (gas): PN0.6

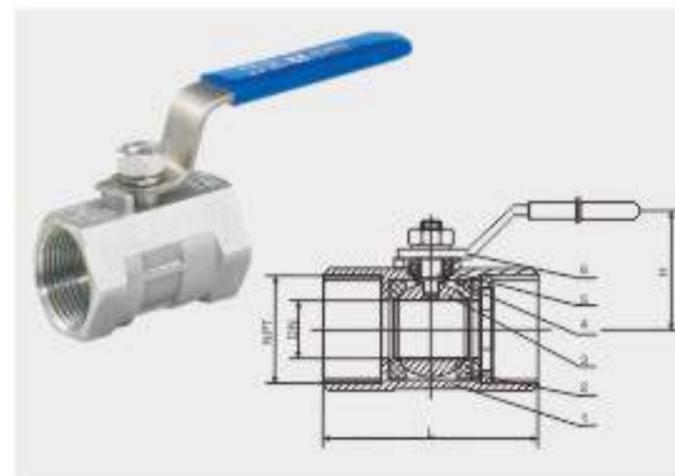
 设计与制造: GB/T12237-89
 结构长度: GB/T12221-89
 法兰连接: JB78

 Design and manufacturing: GB/T12237-89
 Structure length: GB/T12221-89
 Flange connection: JB78

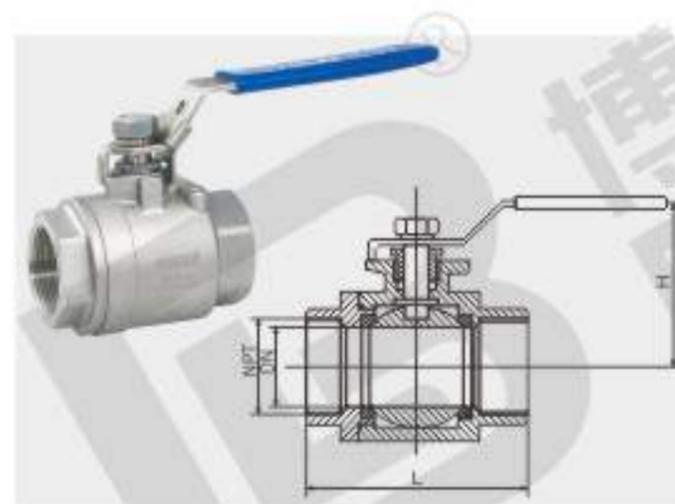
主要外形尺寸 Main Outline Dimensions

单位Unit:mm

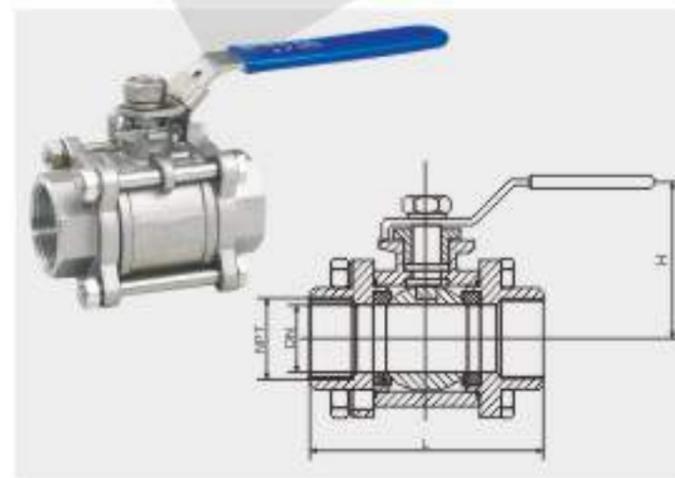
型号 Type	公称口径 DN(mm)	标准值 Standard							参考值 Reference		
		L	D	D1	D2	f	b	Z-Φd	L0	H	
QZ41M -10	40	165	145	85	110	3	18	4-18	250	155	
	50	178	160	100	125		20		300	175	
	65	195	180	120	145		22		320	195	
	80	210	195	135	160		24		360	225	
	100	229	215	155	180		8-18	26	450	320	
	125	254	245	185	210			28	320	270	
	150	280	280	210	240			30	360	290	
	200	330	335	265	295			32	450	320	
QJ41M -16	15	130	95	45	65	2	16	4-14	150	105	
	20	150	105	55	75				160	120	
	25	160	115	65	85				180	140	
	32	180	135	78	100	3	18	4-18	250	155	
	40	200	145	85	110				300	175	
	50	230	160	100	125				320	225	
	65	290	180	120	145				26	360	270
	80	310	195	135	160				28	320	250
	100	350	215	155	180				30	450	350
	125	400	245	185	210	32	12-23	8-23	270	290	
	150	480	280	210	240				320	355	405
	200	600	335	265	295				360	450	350
	250	730	405	320	355				450	405	
QJ41M -25C	15	130	95	45	65	2	16	4-14	150	105	
	20	150	105	55	75				160	120	
	25	160	115	65	85				180	140	
	32	180	135	78	100	3	20	4-18	250	155	
	40	200	145	85	110				300	175	
	50	230	160	100	125				320	225	
	65	290	180	120	145				26	360	270
	80	310	195	135	160				28	320	250
	100	350	230	160	190				30	450	350
	125	400	270	188	220	36	12-25	8-25	270	290	
	150	480	300	218	250				360	450	350
	200	600	360	278	310				450	405	
	250	730	425	332	370				450	405	
QP41M -25C	40	230	145	85	110	18	3	4-18	250	155	
	50	250	160	100	125	20	3	4-18	300	175	


主要外形尺寸 Main Outline Dimensions
 一片式 A chip

规格 Specifications		结构长度 Length of the structure	中心高 Center for high
DN	NPT	L	H
15	1/2"	55	50
20	3/4"	56	58
25	1"	68	66
32	1 1/4"	77.5	76
40	1 1/2"	82	85
50	2"	98	98


二片式 Second type

规格 Specifications		结构长度 Length of the structure	中心高 Center for high
DN	NPT	L	H
15	1/2"	63	68
20	3/4"	72	78
25	1"	82	92
32	1 1/4"	96	106
40	1 1/2"	107	126
50	2"	119	139


三片式 Three panel

规格 Specifications		结构长度 Length of the structure	中心高 Center for high
DN	NPT	L	H
15	1/2"	69.5	75
20	3/4"	81	93
25	1"	88	101
32	1 1/4"	107	117
40	1 1/2"	118	129
50	2"	139	148



蝶阀系列
Butterfly Valve Series

蝶阀结构特征 Butterfly Valve Design Features

系列蝶阀适用于食品、饮料、化工、工业环境水处理、高层建筑、给排水等管路作启闭（密封型）或调节介质流量之用。主要结构特点有：

Butterfly valves are used to open and close (seal type) or adjust the medium flow in pipes in the fields of foodstuff, drinks, chemical, industrial water treatment, high-rise constructions, water supply and drainage etc. They are mainly structured as following:

1、结构简单、体积小、重量轻、安装尺寸小。根据阀体连接形式可分为对夹式（包括凸耳对夹式）、法兰连接和对焊连接三种基本连接型式。

1. Simple structure, small sizes, light weight and low installatoin dimensions. According to the types of body connection, they are basically classified to wafer type (including lug wafer type), flanged and welded.



法兰连接形式
Flanged Connection



对接焊连接形式
Butt-welded Connection



对夹连接形式
Wafer Connection



凸耳对夹连接形式
Lug Wafer Connection

2、密封材料有软、硬两种（放置在阀体或蝶板上），可用于各种不同的工况，且密封性能好，使用寿命长。

2. Sealing materials may be soft or hard, placed on body or disc, to meet different working conditions, and to effect good seal and long life.

1) 软密封结构(见图a), 适用于单偏心 and 双偏心结构的蝶阀, 压力等级 < Class 600. (中线密封结构适用压力等级 < Class 250) 密封圈(材料为PTFE)放置在阀体上具有以下特点:

- A) 不需要使用附加的密封圈或金属支撑圈即可可靠密封。
- B) 可保持双向的无泄漏的密封。
- C) 维修量少, 寿命长。

1) Soft sealing structure (see fig. a), is applicable for single and double eccentric butterfly valves, pressure rating Class 600. Centered sealing structure is applicable for pressure rating < Class 250. Sealing ring (PTFE) is placed on the valve body to feature the following:

- A) To effect dependable sea with no need of accessoriar sealing ring or metal bracing ring.
- B) Bidirectional leakproof seal.
- C) Little maintenance and long service life.



软密封结构(图a)
Soft Sealing Structure (fig. a)



蝶板 Disc
密封圈 Sealing Ring
阀体 Body

蝶阀结构特征 Butterfly Valve Design Features

2) 多层次硬密封结构 (见图b) 多层次硬密封结构, 适用于单偏心、双偏心和三偏心结构的蝶阀, 压力等级 ≤ CLASS600, 其中三偏心蝶阀, 可保持双向无泄露。多层次密封圈可采用不锈钢和非金属材料复合而成, 其中非金属材料根据使用工况选用柔性石墨、PTFE或非石棉材料等。

2) Multilayer Hard Seal Structure (See fig. b) Multilayer hard seal structure is applicable for single, double and triple eccentric butterfly valves, pressure rating ≤ CLASS600. And, triple eccentric butterfly valve can maintain two-way leak-tightness. Multilayer sealing ring is composite of stainless steel and nonmetal material. The nonmetal material can be flex-ible graphite, PTFE or nonasbestos material etc. according to the actual working conditions.



多层次硬密封结构(图b)
Multilayer Hard Seal Structure(fig.b)

3) 弹性圈硬密封结构 (见图c) 采用J型金属密封圈结构, 适用于单偏心、双偏心结构的蝶阀, 压力等级 ≤ CLASS300, 此结构本身具有防火结构。可适用温度变化较大的场合, 具有优良的密封性, 寿命长, 易加工制造。

3) Elastic ring hard seal structure (see fig. c) is of the structure of J-type metal sealing ring. It is applicable for single and double eccentric butterfly valves, pressure rating ≤ CLASS 300. Provided with fireproof structure to adapt to conditions with great temperature changes, it is featured by outstanding seal, long service life and easy workmanship.



弹性圈硬密封结构 (图c) Elastic Ring Hard Seal Structure (fig.c)

3. 防火结构设计的蝶阀(见图d)可防止火灾事故的扩大, 一旦蝶阀的密封座着火燃烧后, 不锈钢金属密封圈便发挥作用使蝶阀保持紧急密封。

3. Fireproof butterfly valves (see fig. d) can stop the expansion of fire. Once the sealing seat of butterfly valve is on fire, the stainless steel sealing ring will act to make butterfly valve immediately sealed.



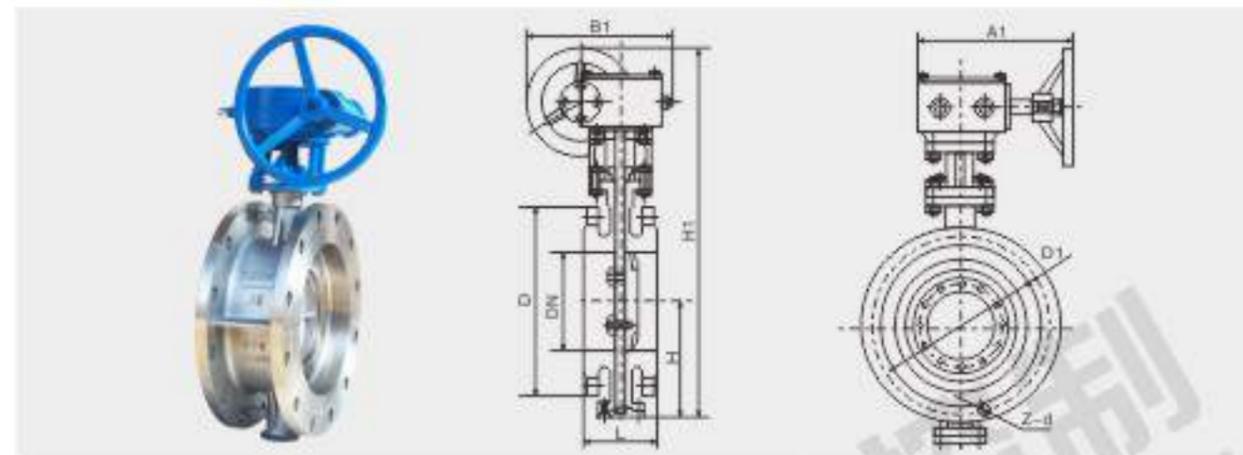
软密封防火结构 (图d) Soft Seal Fireproof Structure (fig.d)

4. 蝶阀在完全开启的情况下, 流阻较小, 部分开启的情况下能进行灵敏的流量控制。

4. When butterfly valve is fully opened, flow resistance is low. When partially opened, it may carry out sensitive flow control.

5. 驱动力矩小, 操作简便, 迅速。

5. Low driving moment, easy and quick operation.



产品执行标准 Production Enforce Standard

产品规范 Product Specification	设计规范 Design Spec	结构长度 Face to Face	连接法兰 Flange End	试验与检验 Test & Check
	GB/T 12238	GB/T 12221	JB/T79	GB/T13927

产品性能规范 Chief Property And Specification

试验压力 Test Pressure

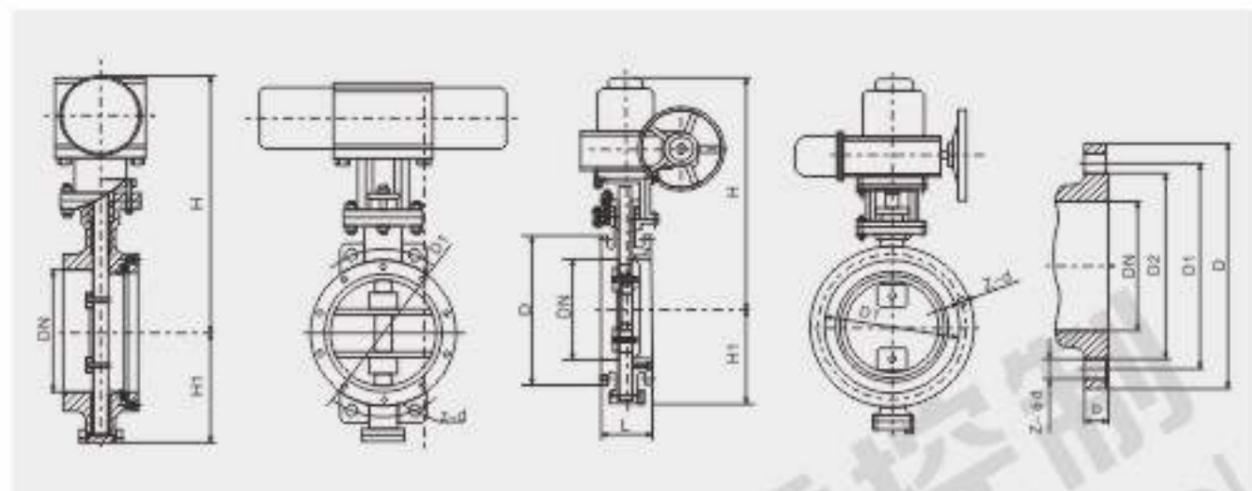
公称压力(Lb) Nominal Pressure	试验压力(MPa) Test pressure	
	壳体强度试验 Shell strength test	密封试验 Seal test
0.6	0.9	0.66
1.0	1.5	1.1
1.6	2.4	1.8
2.5	3.8	2.8
4.0	6.0	4.4

适用介质及适用温度 Applicable Medium & Applicable Temperature

产品类型 Product type	适用介质 Suitable medium	适用温度℃ Suitable Temperature℃
碳钢型(C) Carbon steel type	水、水蒸汽、油、蒸汽 Water, Steam, oil goods, Air	≤ 425
合金钢型(I) Alloy steel type	油品、蒸汽 oil goods, steam	≤ 650
不锈钢高温型(P) Stainless steel type	蒸汽、油品、酸类、海水 Steam, Oil goods, Acid and the like, Sea-water	≤ 900

主要零件材料 Main Part Material

阀体 Body		蝶板 Plate		转轴 Stem	衬套 Bushing	阀座 Seat		
材料名称 Material	代号 Code	材料名称 Material	代号 Code	材料名称 Material	材料名称 Material	材料名称 Material	代号 Code	适用温度℃ Suitable Temperature℃
灰铸铁 Cast Iron	Z	电镀球墨铸铁 Plated Ductile Iron	B1	不锈钢 Stainless Steel	润滑青铜 Lubricated Bronze	天然胶NR	X1	-20~+85
球墨铸铁 Ductile Iron	Q	铜合金 Copper Alloy	B2	耐蚀镍 Anti-corrosion Nickel		海伯伦Yypalon	X2	-29~+135 短时intermittent
铜合金 Copper Alloy	L	不锈钢 Stainless Steel	B3	镍铜合金 Nickel-copper Alloy		乙丙橡胶EPDM	X3	-35~+149
不锈钢 Stainless Steel	P	工业纯钛 Pure Titanium	B4	碳钢 Carbon Steel		氟丁橡胶Neoprene	X4	-46~+121 短时intermittent
碳钢 Carbon Steel	C	特种耐腐钢 Special Anticorrosion Steel	B5			丁腈橡胶NBR	X5	-50~+150 -29~+99 短时intermittent
					聚四氟乙烯 PTFE	耐磨橡胶Wear-resistant Rubber	X6	-35~+113 -23~+82 短时intermittent
						氟化橡胶Viton	X7	-23~+93 -10~+50 短时intermittent
						耐热乙丙橡胶	X8	-23~+150
						耐热- resistant EPCM	F4	-20~+150
						聚四氟乙烯塑料PTFE		-10~+150



主要外形尺寸 Main Outline Dimensions (PN0.6MPa) 单位Unit:mm

公称通径 DN	尺寸/mm Size										WT (kg)	
	L		D	D1	D2	b	Z-φd	H1	H		D43	D343
	短Short	长Long							D43	D343		
40	106	140	130	100	80	16	4-14	76	198	248	7	11
50	108	150	140	110	90	16	4-14	85	202	254	9	12
65	112	170	160	130	110	16	4-14	95	222	278	11.5	16
80	114	180	185/190	150	125	18	4-18	106	246	312	13	20
100	127	190	205/210	170	145	18	4-18	114	270	330	16.5	23
125	140	200	235/240	200	175	20	8-18	130	294	368	22	29
150	140	210	260/265	225	200	20	8-18	148	326	404	30.5	40.5
200	152	230	315/320	280	255	22	8-18	176	-	496	-	81
250	165	250	370/375	335	310	24	12-18	210	-	558	-	108
300	178	270	435/440	395	362	24	12-23	238	-	632	-	135
350	190	290	485/490	445	412	26	12-23	270	-	672	-	188
400	216	310	535/540	495	462	28	16-23	302	-	714	-	255
450	222	330	590/595	550	518	28	16-23	332	-	768	-	340
500	229	350	640/645	600	568	30	16-23	370	-	828	-	445
600	267	390	755	705	670	30	20-25/26	432	-	952	-	578
700	292	430	860	810	775	32	24-25/26	470	-	1000	-	749
800	318	470	975	920	880	34	24-30	530	-	1078	-	986
900	330	510	1075	1020	980	36	24-30	580	-	1180	-	1273
1000	410	550	1175	1120	1080	38	28-30	650	-	1272	-	1642
1200	470	630	1400	1340	1295	40	32-34	765	-	1418	-	2088
1400	530	710	1620	1560	1510	44	36-34	890	-	1519	-	2640
1600	600	790	1820	1760	1710	48	40-34	1010	-	1629	-	3230
1800	670	870	2045	1970	1910	50	44-41	1090	-	1763	-	3980
2000	760	950	2265	2180	2110	54	48-48	1195	-	2094	-	4880
2200		1000	2475	2390	2330	60	52-48	1300	-	2430	-	6780
2400		1100	2685	2600	2540	62	56-48	1450	-	2850	-	8570
2600		1200	2905	2810	2740	64	60-54			3012		11500
2800		1300	3115	3020	2950	68	64-54			3180		13500
3000		1400	3315	3220	3150	70	68-54			3335		14730

主要外形尺寸 Main Outline Dimensions (PN1.0MPa) 单位Unit:mm

公称通径 DN	尺寸/mm Size										WT (kg)	
	L		D	D1	D2	b	Z-φd	H1	H		D43	D343
	短Short	长Long							D43	D343		
40	106	140	145/150	110	85	18	4-18	76	198	248	8	11.5
50	108	150	160/165	125	100	18	4-18	85	202	254	9	12.5
65	112	170	180/185	145	120	20	4-18	95	222	278	12	17
80	114	180	195/200	160	135	20	4-18	106	246	312	14	21
100	127	190	215/220	180	155	22	8-18	114	270	330	17.5	24.5
125	140	200	245/250	210	185	24	8-18	130	294	368	25.5	30.5
150	140	210	280/285	240	210	24	8-23	148	326	404	32	42.5
200	152	230	335/340	295	265	26	8-23	176	-	496	-	86
250	165	250	390/395	350	320	26	12-23	210	-	558	-	114
300	178	270	440/445	400	368	28	12-23	238	-	632	-	142
350	190	290	500/505	460	428	28	12-23	270	-	672	-	198
400	216	310	565	515	482	30	12-25/26	302	-	714	-	268
450	222	330	615	565	532	30	20-25/26	332	-	768	-	358
500	229	350	670	620	585	32	20-25/26	370	-	828	-	468
600	267	390	780	725	685	36	20-30	432	-	952	-	608
700	292	430	895	840	800	36	24-30	470	-	1000	-	788
800	318	470	1010	950	905	38	24-34	530	-	1078	-	1038
900	330	510	1110	1050	1005	38	28-34	580	-	1180	-	1340
1000	410	550	1220	1160	1115	38	28-34	650	-	1272	-	1728
1200	470	630	1450	1380	1325	40	32-41	765	-	1418	-	2198
1400	530	710	1675	1590	1525	44	36-48	890	-	1519	-	2760
1600	600	790	1915	1820	1750	48	40-54	1010	-	1623	-	3470
1800	670	870	2115	2020	1950	50	44-54	1090	-	1763	-	4200
2000	760	950	2325	2230	2160	54	46-54	1195	-	2094	-	5360

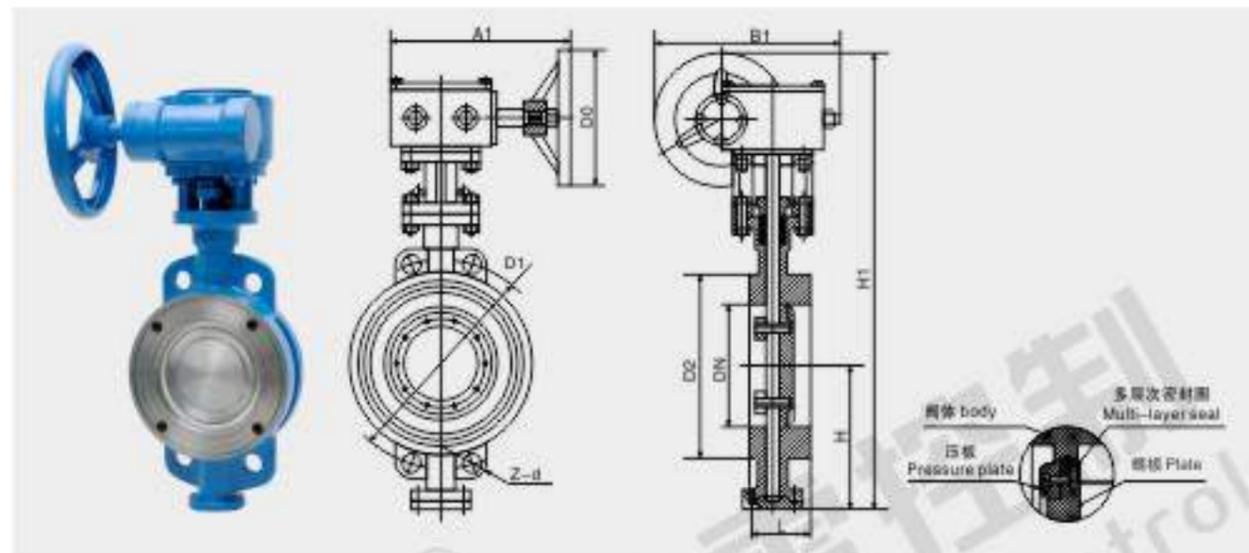
主要外形尺寸 Main Outline Dimensions (PN1.6MPa) 单位Unit:mm

公称通径 DN	尺寸/mm Size										WT (kg)	
	L		D	D1	D2	b	Z-φd	H1	H		D43	D343
	短Short	长Long							D43	D343		
40	106	140	145/150	110	85	16	4-18	76	198	248	8.5	12
50	108	150	160/165	125	100	16	4-18	85	202	254	9.5	13
65	112	170	180/185	145	120	18	4-18	95	222	278	12.5	17.5
80	114	180	195/200	160	135	20	8-18	106	246	312	14.5	21.5
100	127	190	215/220	180	155	20	8-18	114	270	330	18	25
125	140	200	245/250	210	185	22	8-18	130	294	368	24.5	31.5
150	140	210	280/285	240	210	24	8-23	148	326	404	33.5	44
200	152	230	335/340	295	265	26	12-23	176	-	496	-	89
250	165	250	405	355	320	30	12-25/26	210	-	558	-	117
300	178	270	460	410	375	30	12-25/26	238	-	632	-	146
350	190	290	520	470	435	34	16-15/26	270	-	672	-	204
400	216	310	580	525	485	36	16-30	302	-	714	-	275
450	222	330	640	585	545	40	20-30	332	-	768	-	368
500	229	350	715	650	608	44	20-34	370	-	828	-	480
600	267	390	840	770	718	48	20-36/41	432	-	952	-	622
700	292	430	910	840	788	50	24-36/41	470	-	1000	-	808
800	318	470	1020/1025	950	898	52	24-41	530	-	1078	-	1066
900	330	510	1120/1125	1050	998	54	28-41	580	-	1180	-	1372
1000	410	550	1255	1170	1110	56	28-42/48	650	-	1272	-	1762
1200	470	630	1485	1390	1325	58	32-48/54	765	-	1418	-	2242
1400	530	710	1685	1590	1525	60	36-48/54	890	-	1419	-	2900
1600	600	790	1930	1820	1750	68	40-58	1010	-	1629	-	3820

主要外形尺寸 Main Outline Dimensions (PN 2.5MPa)

单位Unit:mm

公称口径 DN	尺寸/mm Size								WT (kg)			
	L		D	D ₁	D ₂	b	Z-φd	H ₁	H		D43	D343
	短Short	长Long							D43	D343		
40	106	140	145/150	110	85	18	4-18	76	198	248	9.5	13
50	108	150	160/165	125	100	20	4-18	85	202	254	10.5	14
65	112	170	180/185	145	120	22	8-18	95	222	288	14	19
80	114	180	195/200	160	135	22	8-18	106	246	322	16.5	23.5
100	127	190	230	190	160	24	8-23	122	278	355	20.5	27.5
125	140	200	270	220	188	28	8-25/26	140	304	392	27	34
150	140	210	300	250	218	30	8-25/26	156	336	428	37	47.5
200	152	230	360	310	278	34	12-25/26	186	-	520	-	92
250	165	250	425	370	332	36	12-30	220	-	574	-	121
300	178	270	485	430	390	40	16-30	250	-	668	-	152
350	190	290	550/555	490	448	44	16-34	288	-	705	-	212
400	216	310	610/620	550	505	48	16-34/36	322	-	750	-	284
450	222	330	660/670	600	555	50	20-34/36	348	-	802	-	380
500	229	350	730	660	610	52	20-41/36	378	-	862	-	498
600	267	390	840/845	770	718	56	20-41	434	-	1006	-	640
700	292	430	955/960	875	815	60	24-48/42	470	-	1078	-	920
800	318	470	1070/1085	990	930	64	24-48	580	-	1180	-	1300
900	330	510	1180/1185	1090	1025	66	28-54/48	650	-	1272	-	1540
1000	410	550	1305/1320	1210	1140	68	28-58	765	-	1418	-	1880
1200	470	630	1545/1530	1420	1350	72	32-58	890	-	1510	-	2460
1400	530	710	1750/1755	1640	1560	78	36-65	1010	-	1629	-	3257



主要外形尺寸 Main Outline Dimensions (PN 4.0MPa)

单位Unit:mm

公称口径 DN	尺寸/mm Size								WT (kg)			
	L		D	D ₁	D ₂	b	Z-φd	H ₁	H		D43	D343
	短Short	长Long							D43	D343		
40	106	140	145/150	110	85	18	4-18	96	198	248	11	14.5
50	108	150	160/165	125	100	20	4-18	105	202	254	12.1	15.6
65	112	170	180/185	145	120	22	8-18	115	222	288	15.7	20.8
80	114	180	195/200	160	135	22	8-18	125	246	322	18.3	25.3
100	127	190	230/235	190	160	24	8-23	140	280	355	22.5	29.5
125	140	200	270	220	188	28	8-25/26	160	305	392	30	37
150	140	210	300	250	218	30	8-25/26	176	336	428	41	51.5
200	152	230	375	320	282	38	12-30	206	-	520	-	97
250	165	250	445/450	385	345	42	12-34	240	-	580	-	135
300	178	270	510/515	450	408	46	16-34	270	-	675	-	170
350	190	290	570/580	510	465	52	16-34/36	310	-	728	-	23.5
400	216	310	655/660	585	535	58	16-41	350	-	770	-	320
450	222	330	680/685	610	560	60	20-41	380	-	820	-	430
500	229	350	755	670	612	62	20-48/42	420	-	880	-	560
600	267	390	890	795	730	62	20-54/48	450	-	1030	-	715
700	292	430	995	900	835	68	24-54/48	490	-	1100	-	1050
800	318	470	1135/1140	1030	960	76	24-58	610	-	1210	-	1420

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	结构长度(标准值) Structure length (Standard)	外形尺寸(参考值)External dimension(consult)									连接尺寸(标准值) Connection dimension(standard)				D343H WT(Kg)	
		H	D373H			D673H			D973H			PN0.6MPa		PN1.0MPa		
			H1	A1	B1	H2	A2	B2	H3	A3	B3	D1	Z-d	D1		Z-d
50	43	112	350	180	200	625	245	72	530	250	255	110	4-14	125	4-18	12
65	46	115	370	180	200	625	245	72	530	250	255	130	4-14	145	4-18	13
80	64	125	380	180	200	645	245	72	565	250	255	150	4-18	160	8-18	15
100	64	138	420	180	200	675	355	92	600	250	255	170	4-18	180	8-18	17
125	70	164	460	180	200	715	355	92	640	250	255	200	8-18	210	8-18	27
150	76	175	555	270	280	800	355	92	704	300	315	225	8-18	240	8-22	29
200	89	215	780	400	425	850	250	170	775	300	315	280	8-18	295	8-22	45
250	114	243	840	400	425	925	250	170	945	300	315	335	12-18	350	12-22	69
300	114	285	995	450	560	1035	450	220	1070	300	315	392	12-22	400	12-22	86
350	127	320	1050	450	560	1070	450	220	1140	300	315	445	12-22	460	16-22	122
400	140	350	1220	535	580	1190	450	220	1210	300	315	495	16-22	515	16-26	141
450	152	350	1280	535	580	1250	650	280	1335	575	714	550	16-22	565	20-26	191
500	152	380	1365	535	580	1290	650	280	1415	575	714	600	20-22	620	20-26	260
600	154	435	1460	570	660	1455	850	380	1605	656	810	705	20-26	725	20-30	380
700	165	480	1520	750	550	1585	850	380	1844	656	810	810	24-26	840	24-30	450
800	190	530	1710	750	550	1700	1250	380	2040	656	810	920	24-30	950	24-33	650
900	203	595	1810	750	550	1965	1250	380	2255	785	863	1020	24-30	1050	28-33	830
1000	216	650	1900	900	750	2015	1250	380	2380	785	863	1120	28-30	1160	28-36	1050
1200	254	775	1180	1000	925	2250	1250	380	2640	785	863	1340	32-33	1380	32-39	1400
1400	279	870	1450	1000	925				2886			1560	36-36	1590	36-42	1900
1600	318	1000	1730	1000	925				3156			1760	40-36	1820	40-48	2900
1800	356	1110	3020	1100	980				3421			1970	44-39	2020	44-48	4000
2000	406	1250	3270	1100	980				3685			2180	48-42	2230	48-48	5300

注: Dd-代表多层次密封结构。 Note: Dd - on behalf of the multi-level seal structure .

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	结构长度(标准值) Structure length (Standard)	外形尺寸(参考值) External dimension(consult)									连接尺寸(标准值) Connection dimension(standard)				D343H WT(Kg)	
		H	D373H			D673H			D973H			PN1.6MPa		PN2.5MPa		
mm	L		H1	A1	B1	H2	A2	B2	H3	A3	B3	D1	Z-d	D1	Z-d	
50	43	112	350	180	200	625	245	72	530	250	255	125	4-18	125	4-18	12
65	46	115	370	180	200	625	245	72	530	250	255	145	4-18	145	8-18	13
80	64	125	380	180	200	645	245	72	565	250	255	160	8-18	160	8-18	15
100	64	138	420	180	200	675	355	92	600	250	255	180	8-18	190	8-22	17
125	70	164	460	180	200	715	355	92	640	250	255	210	8-18	220	8-26	27
150	76	175	555	270	280	800	355	92	704	300	315	240	8-22	250	8-26	29
200	89	215	780	400	425	850	250	170	775	300	315	295	12-22	310	12-26	45
250	114	243	840	400	425	925	250	170	945	300	315	355	12-26	370	12-30	69
300	114	285	995	450	560	1035	450	220	1070	300	315	410	12-26	430	16-30	86
350	127	320	1050	450	560	1070	450	220	1140	300	315	470	16-26	490	16-33	122
400	140	350	1220	535	580	1190	450	220	1210	300	315	525	16-30	550	16-36	141
450	152	350	1280	535	580	1250	650	280	1335	575	714	585	20-30	600	20-36	191
500	152	380	1365	535	580	1290	650	280	1415	575	714	650	20-33	660	20-36	260
600	154	435	1460	570	660	1455	850	380	1605	656	810	770	20-36	770	20-39	380
700	165	480	1520	750	550	1585	850	380	1844	656	810	840	24-36	875	24-42	450
800	190	530	1710	750	550	1700	1250	380	2040	656	810	950	24-39	990	24-48	650
900	203	595	1810	750	550	1965	1250	380	2255	785	863	1050	28-39	1090	28-48	830
1000	216	650	1900	900	750	2015	1250	380	2380	785	863	1170	28-42	1210	28-56	1050
1200	254	775	1180	1000	925	2250	1250	380	2640	785	863	1390	32-48	1420	32-56	1400
1400	279	870	1450	1000	925				2886			1590	36-48	1640	36-62	1900
1600	318	1000	1730	1000	925				3156			1820	40-56	1860	40-62	2900
1800	356	1110	3020	1100	980				3421			2020	44-56	2070	44-70	4000
2000	406	1250	3270	1100	980				3685			2230	48-62	2300	48-70	5300

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

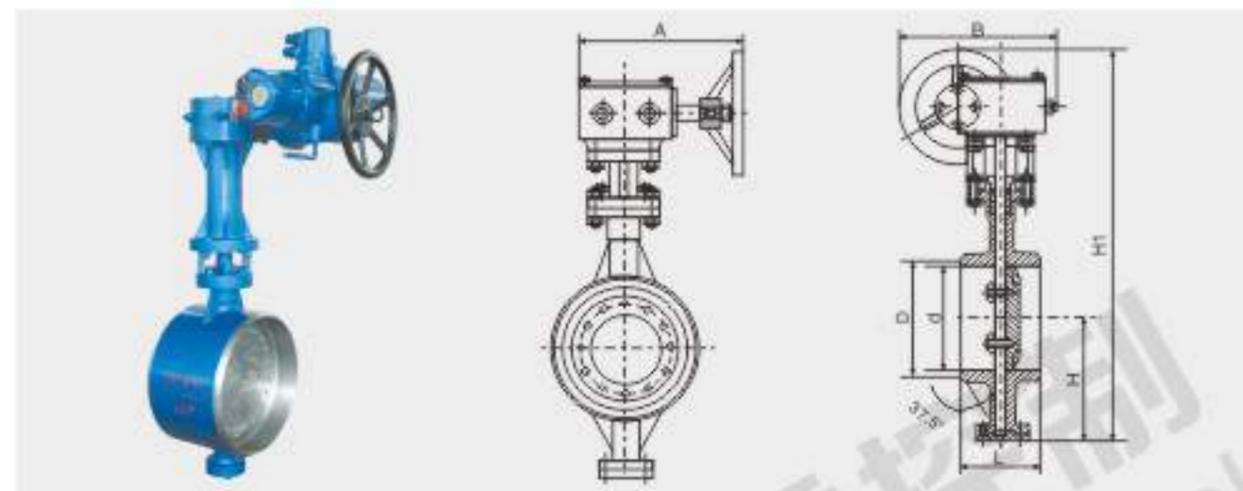
公称口径 DN	结构长度(标准值) Structure length (Standard)	外形尺寸(参考值) External dimension(consult)									连接尺寸(标准值) Connection dimension (standard)		
		H	D373H			D673H			D973H			PN4.0MPa	
mm	L		H1	A1	B1	H2	A2	B2	H3	A3	B3	D1	Z-d
50	43	112	350	180	200				530	250	255	125	4-18
65	46	115	370	270	280	625	250	170	530	250	255	145	8-18
80	64	120	380	270	280	625	250	170	565	250	255	160	8-18
100	64	138	420	270	280	645	250	170	600	250	255	190	8-22
125	70	164	460	380	420	675	250	170	640	250	255	220	8-26
150	76	175	555	380	420	715	450	220	705	300	315	250	8-26
200	89	208	780	400	425	800	450	220	775	300	315	320	12-30
250	114	243	840	400	425	850	450	220	945	300	315	385	12-33
300	114	285	995	450	560	925	450	280	1070	300	315	450	16-33
350	127	320	1050	450	560	1035	650	280	1140	300	315	510	16-36
400	140	350	1220	535	580	1070	650	280	1210	300	315	585	16-39
450	152	350	1280	535	580	1190	650	280	1335	575	714	610	20-39
500	152	380	1365	535	580				1415	575	714	670	20-42

注: 法兰标准: GB/T9113.1-2000 GB/T9111.5.1-2000.

Note: the flange standard: GB/T9113.1-2000 GB/T9111.5.1-2000.

用户注意: 表中H1、H2、H3尺寸均可根据用户需要加长(长杆蝶阀), 若需特殊材料定货时提出。

User note: H1, H2, H3 size in table all can according to user needs to lengthen (arbor for butterfly valves), if need special materials with order.



用途及特点

本蝶阀适用于高温、高压、防火、保温等管道上作启闭或调节介质之用。

其主要特点如下:

1. 结构紧凑, 体积小, 重量轻, 操作灵活, 使用方便;
2. 采用三维偏心弹性或多层次硬密封结构, 其密封性能可靠达到零泄漏;
3. 此阀无法兰, 对管道的保温包扎带来很大方便和美观;
4. 具有耐高温、高压、耐腐蚀、耐磨损等特点。

Uses and Features

This butterfly valve for opening and closing, or to adjust the medium temperature, high pressure, fire protection, thermal insulation pipe. Its main features are as follows:

1. Compact structure, small size, light weight, flexible, easy to use;
2. three-dimensional eccentric elasticity or multiple-level hard seal structure, reliable sealing performance to achieve zero leakage;
3. This valve without flange, pipe insulation, dressing to bring great convenience and aesthetics;
4. With high temperature, high pressure, corrosion resistance, wear-resistant characteristics.

传动型式 Transmission type

蜗轮传动、气动传动、电动传动。

Worm gear, pneumatic drive, electric drive.

采用标准 Standard

焊接尺寸 Welding Size: GB12224

结构长度 Length of the structure: GB/T12221-1989

压力试验 Pressure Test: GB/T13927-1992

主要技术参数 The main technical parameters

公称口径 Nominal diameter	DN(mm)	50-700				
公称压力 Nominal pressure	PN(MPa)	0.6	1.0	1.6	2.5	4.0
试验压力 Test pressure	强度试验 Strength test	0.9	1.5	2.4	3.75	6.0
	密封试验 Seal test	0.66	1.1	1.76	2.75	4.4
	气密封试验 Gas seal test	0.6	0.6	0.6	0.6	0.6
适用介质 Suitable medium	水、蒸汽、油品、酸类腐蚀性等 Water, steam, oil, acids and corrosive					
适用温度 Suitable temperature	碳钢 Carbon steel: -29℃-425℃ 不锈钢 Stainless Steel: -40℃-600℃					

主要零件材料 Main Part Material

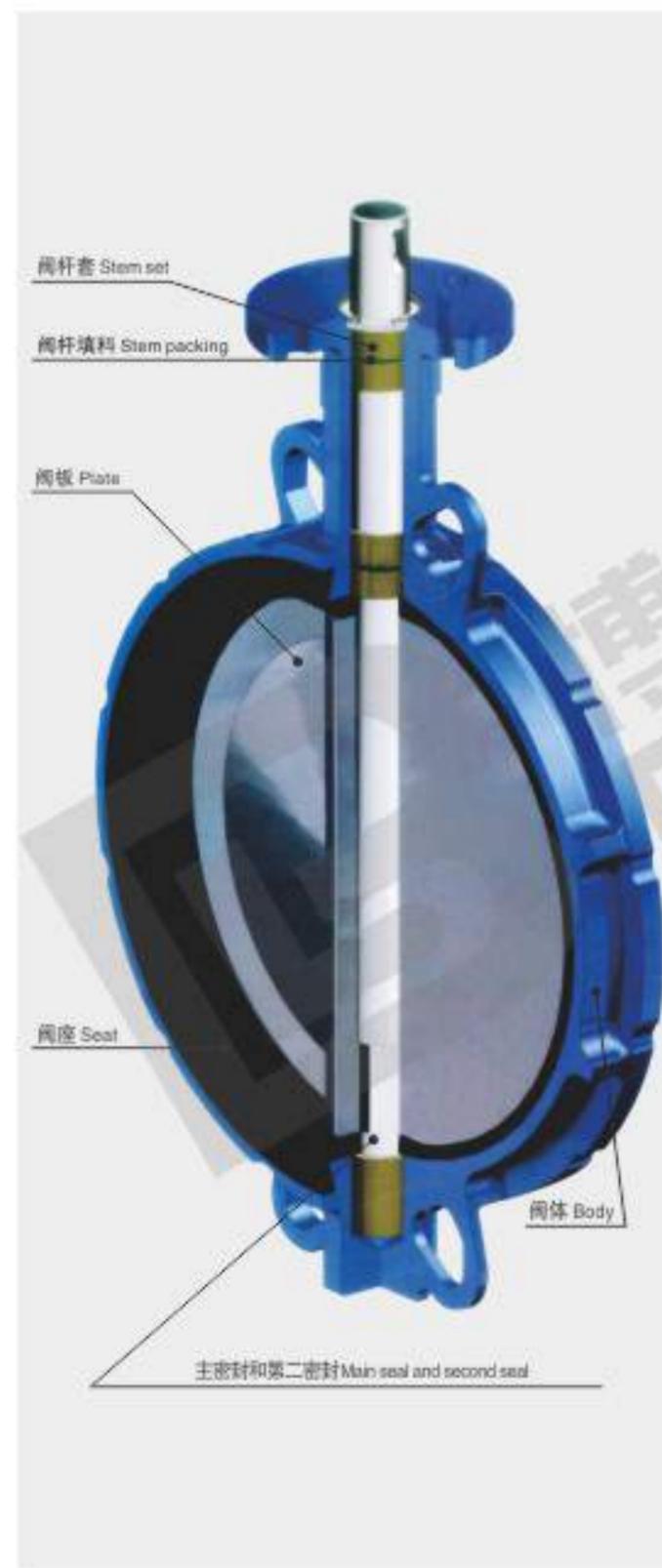
零件名称 Part Name	材料 Material
阀体 Body	铸钢, 不锈钢, 铬钼钢及特殊材料 Cast steel, stainless steel, chrome molybdenum steel and special materials
蝶板 Plate	铸钢, 合金钢(硬铬镀), 不锈钢, 铬钼钢及特殊材料 Cast steel, alloy steel (hard chrome plating), stainless steel, chrome molybdenum steel and special materials
密封圈 Ball seat	不锈钢, 抗磨材料 Stainless steel, anti-wear materials
阀杆 Stem	2Cr13, 1Cr13 不锈钢, 铬钼钢 2Cr13, 1Cr13 stainless steel, chrome molybdenum steel
填料 Packing	柔性石墨 Flexible Graphite

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称压力 Nominal pressure PN0.6MPa								
公称通径DN	外形尺寸 Dimensions							WT (kg)
	mm	L	D	d	H	H1	A	
600	390	636	602	499	1280	570	660	450
700	430	726	692	566	1480	750	550	660
800	470	826	792	632	1608	750	550	780
900	510	926	892	693	1857	750	550	820
1000	550	1028	992	757	2038	900	750	1460
1200	630	1228	1192	851	2237	1000	925	1590
1400	710	1428	1392	876	2411	1000	925	2185
1600	790	1628	1592	1095	2756	1000	925	3210
1800	870	1828	1792	1214	3093	1100	980	4090
2000	950	2028	1992	1332	3355	1100	980	5610
公称压力 Nominal pressure PN1.0MPa								
600	390	636	602	499	1280	570	660	465
700	430	726	692	566	1480	750	550	680
800	470	826	792	632	1608	750	550	810
900	510	926	892	693	1857	750	550	860
1000	550	1028	992	757	2038	900	750	1625
1200	630	1228	1192	851	2237	1000	925	1770
1400	710	1428	1392	876	2411	1000	925	2425
1600	790	1628	1592	1095	2756	1000	925	3560
1800	870	1828	1792	1214	3093	1100	980	4545
2000	950	2028	1992	1332	3355	1100	980	6230
公称压力 Nominal pressure PN1.6MPa								
80	180	90	78	90	356	180	200	27
100	190	110	96	100	375	180	200	34
125	200	135	121	113	401	180	200	41
150	210	161	146	130	450	270	280	43
200	230	222	202	205	545	400	425	81
250	250	278	254	235	630	400	425	102
300	270	330	303	275	715	450	560	132
350	290	382	351	309	817	450	560	164
400	310	432	398	346	923	535	580	193
450	330	484	450	392	1059	535	580	238
500	350	535	501	427	1126	535	580	302

公称压力 Nominal pressure PN1.6MPa								
通径 Path	外形尺寸 Dimensions							WT (kg)
	mm	L	D	d	H	H1	A	
600	390	636	602	509	1369	570	660	457
700	430	726	692	572	1492	750	550	810
800	470	826	792	638	1622	750	550	1093
900	510	926	892	700	1924	750	550	1410
1000	550	1028	992	785	2054	900	750	1870
1200	630	1228	1192	860	2259	1000	925	2082
1400	710	1428	1392	986	2610	1000	925	2850
1600	790	1628	1592	1106	2856	1000	925	4235
1800	870	1828	1792	1226	3121	1100	980	5346
2000	950	2028	1992	1345	3385	1100	980	7328
公称压力 Nominal pressure PN2.5MPa								
80	180	90	78	90	356	180	200	38
100	190	110	96	106	387	180	200	40
125	200	135	121	122	413	180	200	60
150	210	161	146	136	459	270	280	65
200	230	222	202	215	585	400	425	85
250	250	278	254	247	649	400	425	135
300	270	330	303	288	771	450	560	175
350	290	382	351	333	929	450	560	195
400	310	432	398	359	993	535	580	295
450	330	484	450	405	1053	535	580	350
500	350	535	501	444	1245	535	580	510
600	390	636	602	521	1750	570	660	625
700	430	726	692	586	1519	750	550	925
800	470	826	792	659	1659	750	550	1280
900	510	926	892	720	1829	750	550	1790
1000	550	1028	992	780	1949	900	750	1940
1200	630	1228	1192	889	2243	1000	925	2810
1400	710	1428	1392	1000	2262	1000	925	3500
公称压力 Nominal pressure PN4.0MPa								
80	180	90	78	108	430	180	200	39
100	190	110	96	108	392	180	200	50
125	200	135	120	120	414	180	200	75
150	210	161	145	135	494	270	280	100
200	230	222	200	202	578	400	425	135
250	250	278	252	235	673	400	425	190
300	270	330	301	280	793	450	560	240
350	290	382	351	315	921	450	560	320
400	310	432	398	355	1021	535	580	450
450	330	484	448	370	1143	535	580	500
500	350	535	495	420	1192	535	580	560
600	390	636	595	490	1327	570	660	720



- 阀杆套 Stem Set**
 抗腐蚀聚四氟乙烯阀杆套或铜套能吸收重负荷时的侧向推力。
 Corrosion resistance of pipe valve stem or copper can set absorb the heavy load of lateral thrust.
- 阀杆填料 Stem Packing**
 自调式U杯形填料与O型密封圈双重密封设计，可保证双向绝对密封防止外来物质进入阀杆腔内。
 Since the mode of U cup dressing and type O sealing ring double seal design, can guarantee the two-way sealed to prevent absolutely foreign matter into the valve stem cavity.
- 阀板 Plate**
 一片式设计，阀板边缘经球面加工和手工抛光，具有操作扭矩力低、阀座使用寿命长和密封性能好等优点。应用在卫生领域时，这样的设计完全防止收藏灰尘颗粒和细菌。阀杆和阀板表面也可以包一层丁腈橡胶或乙丙橡胶，防止金属表面侵蚀和腐蚀。阀板和阀杆按“薄板设计”可以提高Cv(比普通离心轴穿透阀板高50%)和较大的压力恢复能力，具有较小的压力，是一种节能阀门。
 A chip design, on the edge of the valve plate by the spherical surface processing and manual polishing, low operating torque force, seat the advantages of long service life and sealing performance is good. Application in the field of health, this design completely prevent collect dust particles and bacteria. The valve stem and valve plate surface can also pack a layer of nitrile rubber or ethylene propylene rubber, prevent the metal surface erosion and corrosion. The valve plate and valve stem click sheet design can improve the Cv(50% higher than normal spindle through valve plate) and larger pressure recovery ability, with smaller pressure, is a kind of energy-saving valve.
- 阀座 Seat**
 独特的舌槽结合式阀座设计，能够完全把阀体与管内介质隔离。与其他同类阀门比较，它具有阀座安装牢固、更换方便快捷、扭矩小的优点。阀座表面有模压成一体O型环，不需要再安装时另加法兰垫片。Unique design of combination tongue-and-groove seat can completely isolating medium body with tube. Compared with other similar valve, it has a seat installation is firm, fast and convenient to replace, the advantages of small torque. Seating surfaces are moulded into the integration of the O-rings, don't need to install additional flange gasket.
- 阀体 Body**
 阀体设计成可适用于美标、日标、国标等常用标准。阀体外涂层可选用环氧树脂涂层、聚酰胺纤维(尼龙)涂层及氟碳树脂等涂层，可适用于不同工况环境。
 The valve designed to apply to API, JIS, GB other common standards. Body outer coating can be used epoxy resin coating, polyamide (nylon) coating and fluorocarbon resin coating, can be applied to different working environment.
- 主密封和第二密封 Main Seal and Second Seal**
 这类密封完全把流体介质和阀体、阀杆相隔离，主密封是由通过机械加工和手工抛光的阀板肩部与阀座的内表面的预压接触来获得的。次密封是由阀杆和阀座孔的过盈配合获得的。
 This type of fluid and valve body, valve stem seal completely isolated, the primary seal is made by mechanical processing and manual polishing disc shoulder preloading contact with the inner surface of the seat to get. Seal is by the stem and valve seat hole of the interference fit.



产品概述 Product Overview

一片式设计，阀板边缘经球面加工和手工抛光，具有操作扭矩低、高压使用寿命长和密封性能好等优点。应用在卫生领域时，这样的设计完全防止收藏灰尘颗粒和细菌。阀杆和阀板表面也可以包一层丁腈橡胶或乙丙橡胶，防止金属表面侵蚀和腐蚀。阀板和阀杆按“鹰板设计”可以提高Cv(比普通心轴穿透阀板高50%)和较大的压力恢复能力，具有较小的压力，是一种节能阀门。

A chip design, on the edge of the valve plate by the spherical surface processing and manual polishing, low operating torque force, seat the advantages of long service life and sealing performance is good. Application in the field of health, this design completely prevent collect dust particles and bacteria. The valve stem and valve plate surface can also pack a layer of nitrile rubber or ethylene propylene rubber, prevent the metal surface erosion and corrosion. The valve plate and valve stem click sheet design can improve the Cv(50% higher than normal spindle through valve plate) and larger pressure recovery ability, with smaller pressure. Is a kind of energy-saving valve.

主要零部件材料 Main Parts And Materials

零件 Parts	材料 Material	零件 Parts	材料 Material
阀体 Body	灰铁 Gray iron	阀板 Plate	镍铝青铜 Nickel aluminum bronze
	球墨铸铁 Nodular cast iron		PTFE 涂层球墨铸铁 Coating for ductile iron
	碳钢 Carbon steel		尼龙涂层球墨铸铁 Nylon coating nodular cast iron
	超级奥氏体不锈钢 铝青铜合金镍铬铸铁等 Super austenitic stainless steel Cadmium nickel aluminum bronze alloy cast iron, etc		衬胶球墨铸铁 Rubber lining nodular cast iron
			双向不锈钢 Two-way stainless steel
	超级奥氏体不锈钢 Super austenitic stainless steel		
阀座 Seat	乙丙橡胶 Ethylene propylene rubber	阀杆 Stem	镍铬铸铁 Nickel chromium cast iron
	丁腈橡胶 Nitrile rubber		哈氏合金 Hartz alloy
	氟橡胶 Fluorine rubber		416不锈钢 Stainless steel
	硅橡胶 Silicone rubber		304不锈钢 Stainless steel
	聚四氟乙烯 Teflon		316不锈钢 Stainless steel
	双向不锈钢 Two-way stainless steel		
	蒙乃尔 Monel K500		

注：材料提供取决于阀门尺寸和系列，可提供客户要求的其它材料，请根据实际应用要求联系当地博雷销售代表。
Notice: Material providing depending on valve size and series, can provide other materials required by the customer, according to the actual application requirements please contact the local BOLLEY sales representative.



产品概述 Product Introduction

本厂生产的软密封对夹式蝶阀、A型、LT型对夹蝶阀是引进美国先进技术，国内首家生产，具有二十九年该产品生产历史。多次获得国家优质奖。传动方式有：手柄、蜗轮蜗杆传动、气动、电动等。口径范围为DN25~DN1000。

本厂蝶阀可用于石油、化工、食品、医药、造纸、水电、船舶、给排水、冶金、能源等系统的管路上，适用于多种腐蚀性气体、液体、半液体以及固体粉末介质。

The factory production of soft seal wafer butterfly type, type A, LT is the introduction of the advanced technology for wafer butterfly, the first domestic production, the product production 20 years history. National quality award many times. Driving mode are: handle, worm gear and worm drive, pneumatic, electric, etc. Size range for DN25 - DN1000.

Our factory butterfly valve can be used in petroleum, chemical, food, medicine, paper making, water and electricity, shipbuilding, water supply and drainage, metallurgy, energy, such as the pipeline system, applicable to a variety of corrosive gas, liquid, half liquid and solid powder medium.

产品特点 Product Features

蝶阀主要由阀体、转轴、阀板、阀座及驱动机构(手柄、蜗轮蜗杆、气动装置或电动装置)等组成，靠驱动机构带动轴及阀板旋转以实现启闭和控制流量的目的。

- 其特点如下：
- 1、结构简单紧凑、小巧轻便、运输、安装、拆卸容易。
 - 2、90°启闭，开关迅速。操作扭矩小，省力轻巧。
 - 3、密封性能好，使用寿命长，可达到零泄漏。
 - 4、选择不同的零部件材质，可适用于多种介质。
 - 5、流量特性近似于直线，调节性能好。

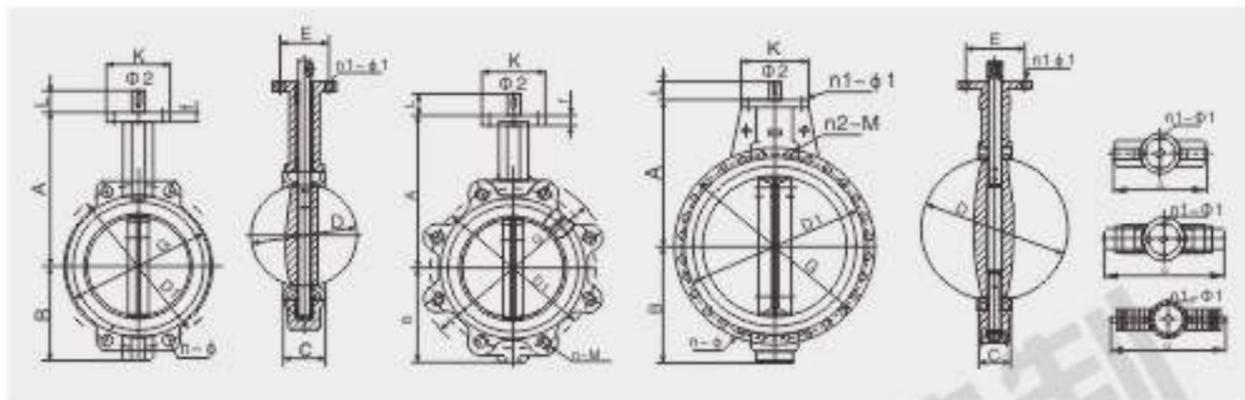
Butterfly valve is mainly composed of valve body, shaft, disc, seat and drive mechanism (handle, worm gear and worm device, pneumatic or electric actuator), etc, on the driving mechanism and disc drive shaft rotation to achieve the purpose of the opening and closing and control flow.

- Its characteristics are as follows:
1. Simple and compact structure, small and light, easy transportation, installation and disassembly.
 2. 90° opening and closing, switch is quick. Minimized operating torque, energy saving.
 3. Good sealing performance, long service life and can achieve zero leakage.
 4. Choose different parts material, can be applied to a variety of media.
 5. Flow characteristic similar to linear, adjust good performance.

主要性能参数 Main Performance Parameters

公称压力 Nominal pressure (MPa)	公称口径 Nominal diameter (mm)	试验压力 Test pressure(MPa)		适用温度 Applicable Temp ℃	适用介质 Applicable medium	驱动方式 Operation way
		壳体 Shell	密封 Sealing			
1.0	50 - 1000	1.5	1.1	-15 ~ 150	淡水、污水、海水、空气、蒸汽、食品、药品、各种油类、酸类、碱类等 Fresh water, sewage, sea water, air, steam, food, drug, various oil, acid, alkali, etc	手柄、蜗轮蜗杆传动、 电动、气动 Handle, worm gear and worm drive, motor, pneumatic
1.6		2.4	1.76			

结构型式 Structural style	公称压力 Nominal pressure (MPa)	型号 Model								
		D7A1X-10Z	D37A1X-10Z	D67A1X-10Z	D97A1X-10Z	D7A1X-10C	D37A1X-10C	D67A1X-10C	D97A1X-10C	
A型中碟 对夹式蝶阀 A Type midline wafer butterfly valve	1.0	D7A1X-10Z	D37A1X-10Z	D67A1X-10Z	D97A1X-10Z	D7A1X-10C	D37A1X-10C	D67A1X-10C	D97A1X-10C	
	1.6	D7A1X-16Z	D37A1X-16Z	D67A1X-16Z	D97A1X-16Z	D7A1X-16C	D37A1X-16C	D67A1X-16C	D97A1X-16C	
LT型中碟 单夹式蝶阀 LT Type midline single clip-on butterfly valve	1.0	D7L1X-10Z	D37L1X-10Z	D67L1X-10Z	D97L1X-10Z	D7L1X-10C	D37L1X-10C	D67L1X-10C	D97L1X-10C	
	1.6	D7L1X-16Z	D37L1X-16Z	D67L1X-16Z	D97L1X-16Z	D7L1X-16C	D37L1X-16C	D67L1X-16C	D97L1X-16C	
驱动方式 Operation way	手柄 Handle	蜗轮蜗杆传动 Worm gear operated	气动 Pneumatic	电动 Motor	手柄 Handle	蜗轮蜗杆传动 Worm gear operated	气动 Pneumatic	电动 Motor		
阀体材料 Body material		铸铁 Cast iron				碳钢 Carbon steel				

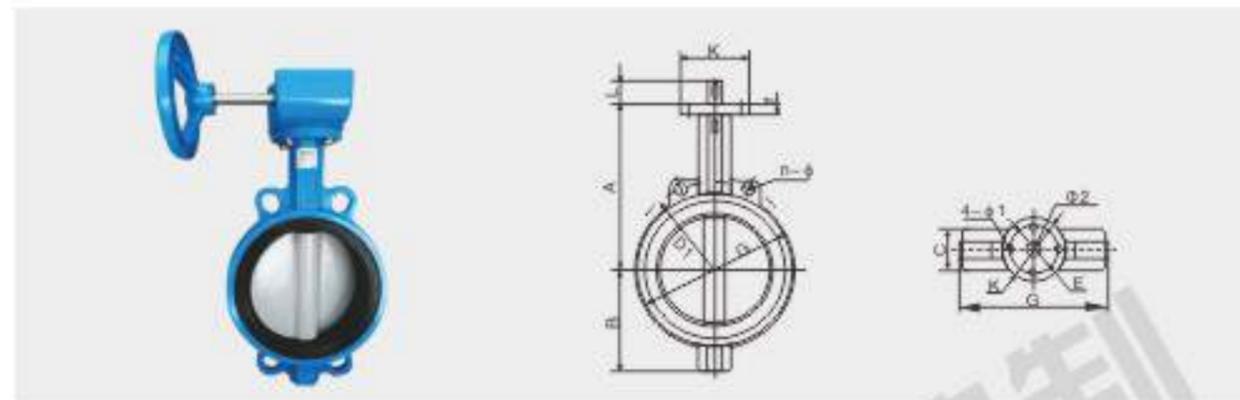


主要外形尺寸及重量 Main Overall Dimension And Weight

PN1.0/1.6MPa

规格Size (mm) (inch)	A	B	C	D	L	D1		n-Φ		K	E	n1-Φ1	Φ2	G		重量WT (kg)			
						A型 Type	LT型 Type	A型 Type	LT型 Type					A型 Type	LT型 Type	A型 Type	LT型 Type		
50	2"	161	80	42	52.6	32	120	125	4-23	4-M16	77	57.15	4-6.7	12.6	118	118	-	2.5	3.8
65	2.5"	175	89	44.7	64.3	32	136.2	145	4-26.5	4-M16	77	57.15	4-6.7	12.6	137	137	-	3.2	4.2
80	3"	181	95	45.2	78.6	32	160	160	8-18	8-M16	77	57.15	4-6.7	12.6	143	143	-	3.6	4.7
100	4"	200	114	52.1	104	32	185	180	4-24.5	8-M16	92	69.85	4-10.3	15.77	156	206	-	4.9	9.0
125	5"	213	127	54.4	123.3	32	215	210	4-23	8-M16	92	69.85	4-10.3	18.92	190	238	-	7.0	10.9
150	6"	226	139	55.8	155.7	32	238	240	4-25	8-M20	92	69.85	4-10.3	18.92	212	266	-	7.8	14.2
200	8"	260	175	60.6	202.4	45	295	295	4-25	8-M20	115	88.9	4-14.3	22.10	268	317	-	13.2	18.2
250	10"	292	203	65.6	250.5	45	357	350	4-29	12-M20	115	88.9	4-14.3	28.45	325	393	-	19.2	26.8
300	12"	337	242	76.9	301.5	45	407	400	4-29	12-M24	140	107.95	4-14.3	31.6	403	462	-	32.5	40
350	14"	368	267	76.2	333.5	45	467	460	4-30	16-M20	140	107.95	4-14.3	31.6	436	515	-	41.3	56
400	16"	400	309	85.7	389.6	51.2	515	515	4-26	16-M24	197	158.75	4-20.6	33.15	488	579	-	61	96
450	18"	422	328	104.6	440.5	72	525	525	4-30	16-M27	197	158.75	4-20.6	37.9	539	627	-	79	122
500	20"	480	360	130.23	491.6	77.5	650	650	4-33	20-M30	197	158.75	4-20.6	41.19	593	696	-	128	202
600	24"	562	459	151.36	592.5	82	725	725	20-30	20-M27	276	215.9	4-22.2	50.65	824	821	-	188	270
700	28"	624	520	163	695	82	770	770	20-36	20-M33	300	254	8-18	55	895	-	-	284	-
800	32"	672	591	188	794.7	82	950	-	24-33	-	300	254	8-18	55	1015	-	-	368	-
900	36"	720	656	203	864.7	82	1050	-	24-33	-	300	254	8-18	75	1115	-	4-M30	713	-
1000	40"	800	722	216	965	141	1160	-	24-36	-	300	254	8-18	85	1230	-	4-M33	864	-

注：
“A”型蝶阀DN50(20)~800(32)与“LT”型蝶阀DN50(2)~600(24)分别适用于PN1.0/PN1.6MPa二级压力等级，表示每格有二个尺寸的分别表示PN1.0/PN1.6MPa二种压力等级连接尺寸。蝶阀上法兰可适用于手动、蜗轮蜗杆传动、电动、气动等传动装置。
表中DN50(2)~DN500(20)中的D1和n-Φ尺寸为蝶阀本身安装定位尺寸，它包括国标、德标、英标、ISO等法兰连接标准。
Note: "A" Type butterfly valve (20") to 800 (32") and "LT" type butterfly valve (2") to 600 (24) respectively for PN1.0 / PN1.6 MPa secondary classes, says there are two size for each respectively PN1.0 / PN1.6 MPa two classes link size. The butterfly valve is used for manual, worm gear, electric, pneumatic, etc. In the table (2) to DN500 (20") of D1 and n-Φ installation location dimension size of butterfly valve itself, it includes the national standard, German standard, British standard, ISO standard flange.



产品特点 Product Features

1. 结构简单紧凑，小巧轻便，容易拆装及维修，并可任意位置安装。
2. 90° 回转启闭迅速，启闭力矩小。
3. 密封性能好，使用寿命长，可达到零泄漏。
4. 选择不同的零部件材质，可适用多种介质。
5. 流量特性趋于直线，调节性能好。
6. 适用于手柄、蜗轮蜗杆、电动及气动等传动装置。
7. 设计及制造标准符合API609。
8. 压力试验符合API598。
9. 结构长度符合API609。
10. 侧法兰标准符合GB/T17241.6及ANSI B16.1。

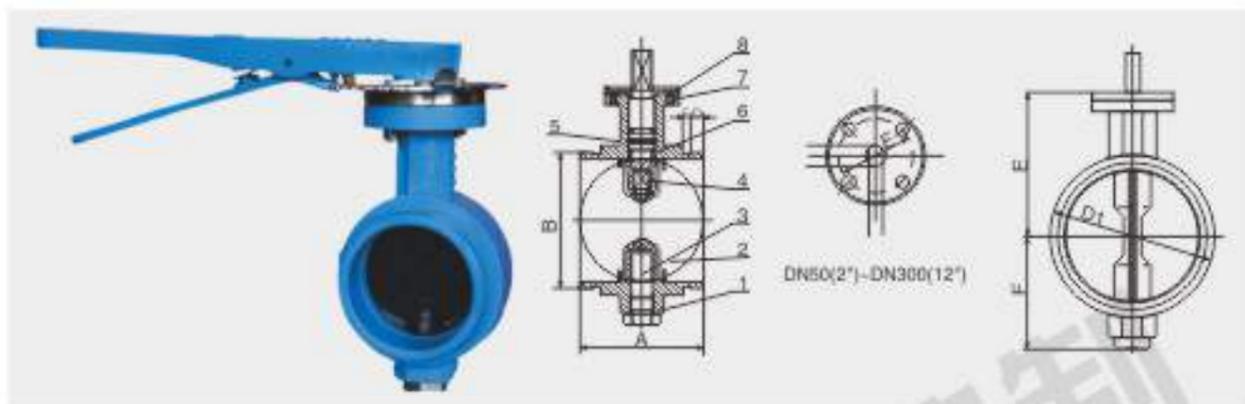
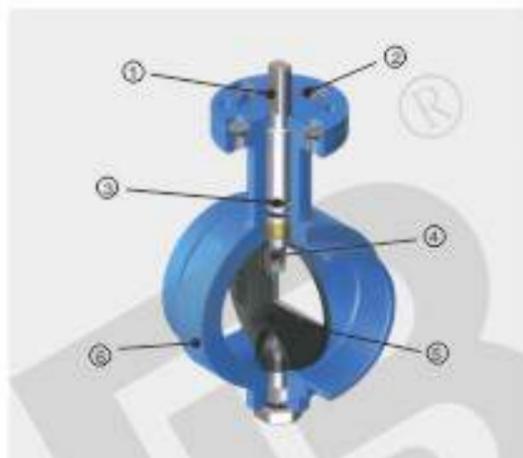
1. The structure is simple compact, compact, easy to assemble and repair, and can be installed in any position.
2. 90° rotating rapidly opening and closing, opening and closing torque is small.
3. Good sealing performance, long service life, can achieve zero leakage.
4. Choose different parts and materials, which can be used for multiple media.
5. The flow characteristic tends to line, the adjustment performance is good.
6. Applicable to handle, worm gear, electric and pneumatic actuators.
7. Design and manufacturing standards comply with API609.
8. The stress test was API598.
9. The structure length corresponds to API609.
10. The lateral flanged standard conforms to GB/T17241.6 and ANSI B16.1.

主要外形尺寸及重量 Main Overall Dimension and Weight

PN1.0/1.6MPa

规格Size DN(mm)	A	B	C	D1	L	n-Φ	K	E	4-Φ1	Φ2	G	重量WT (kg)
50	140	80	43	125	32	4-19	77	57.15	4-6.7	12.6	100	3.34
65	152	89	46	145	32	4-19	77	57.15	4-6.7	12.6	120	3.94
80	159	95	45.21	160	32	8-19	77	57.15	4-6.7	12.6	127	4.05
100	178	114	52.07	180	32	8-19	92	69.85	4-10.3	15.77	156	5.48
125	190	127	55.5	210	32	8-19	92	69.85	4-10.3	18.92	190	7.66
150	203	139	55.75	240	32	8-23	92	69.85	4-10.3	18.92	212	8.5
200	238	175	60.58	295	45	8-23	115	88.9	4-14.3	22.1	268	25
250	268	203	68	350	45	12-23	115	88.9	4-14.3	28.45	325	31.4
300	306	242	76.9	400	45	12-23	140	107.95	4-14.3	31.6	403	45.9
350	368	267	76.17	460	45	16-23	140	107.95	4-14.3	31.6	436	54

注：表中的连接尺寸以PN1.0MPa为例，实际产品中DN50~DN350规格的D1和n-Φ尺寸包括了PN1.0、PN1.6和ANSI CL125三种法兰连接标准。
Note: The connection size PN1.0 MPa, for example, in the actual product (DN350 specifications of D1 and n-Φ dimensions including PN1.0, PN1.6 and ANSI CL125 three flange connection standard.


沟槽式蝶阀剖面图 GD Series Butterfly Valve Section


1. 轴扁连接: 方便与各种传动装置连接, 能传动更大的扭矩。
 2. 控制装置法兰: 可以配用手柄, 蜗轮蜗杆传动。
 3. "O"型圈: 阀轴双密封。
 4. 半轴方连接: 无缝连接能适应各种恶劣工况。
 5. 阀板: 阀板包覆各种合成橡胶, 以适应不同的介质要求。
 6. 阀体: 采用卡箍式连接, 阀体内外表喷涂环氧树脂。
1. Shaft flat connection: convenient connection with all kinds of gear, can drive more torque.
 2. Control device for the flange: Can with handle, worm gear and worm drive.
 3. "O" type circle: Double valve shaft seal.
 4. Half shaft connection: There is no gap connection can adapt to all kinds of bad working conditions.
 5. Plate: Plate coated all kinds of synthetic rubber, to adapt to the different medium.
 6. Body: The clamp connection, the body appearance coating epoxy resin.

主要零件材料 Main Parts Material

序号 No.	名称 Name	代号 Code name	材料 Material	数量 Number	序号 No.	名称 Name	代号 Code name	材料 Material	数量 Number
1	阀体 Body		铁球(Iron ball) ASTM A536 65-45-12	1	5	O型圈 O-Ring	GB 819-85	丁腈橡胶 Nitrile rubber	3
2	阀板 Plate		球铁衬胶 Ductile iron rubber lining ASTM A536 65-45-12+Rubber	1	6	轴套 Bushing		F4 PTFE	1
3	下转轴 Under rotating shaft		1Cr17Ni2 431	1	7	十字轴衬套 Cross-shaft sleeve		Q235-A 镀锌(Galvanized) Zn-PLATED	4
4	上转轴 On rotating shaft		1Cr17Ni2 431	1	8	压盖 Gland		Q235-A 镀镍(Nickel plating) Ni-PLATED	1

主要外形尺寸 Main Overall Dimension

PN1.6MPa

DN(mm)	NPS(in)	A	B	C	D	E	F
50	2	81	60	8	16	85	57
65	2.5	97	73	8	16	106	65
80	3	97	89	8	16	113	75
100	4	116	114	10	16	135	90
125	5	148	141	10	16	148	110
150	6	148	168	10	16	181	124
200	8	134	219	11	19	204	155
250	10	159	273	13	19	230	190
300	12	166	324	13	19	270	230

产品概述 Product Overview

法兰连接中心板式蝶阀是最新获得的专利产品。综合了偏心法兰蝶阀和对夹蝶阀的部分优点, 填补了偏心法兰蝶阀与对夹蝶阀之间的一块空白。

Flange connection center plate type butterfly valve is the latest patent product. A combination of eccentric flanged butterfly valve and butterfly valve to the clamp part of advantages, to fill the eccentricity between flange butterfly valve and butterfly valve to the clamp a blank.

产品特点 Product Features

1. 双向密封性能优良, 扭矩值小, 零件加工性能优越。
 2. 流量特性趋于直线, 调节性能好。
 3. 法兰连接安装便捷, 立式、卧式安装均可。
 4. 密封副材料的多样性, 可供用户选择。
 5. 阀门可用于管道作放空阀用, 性能可靠。
 6. 阀座密封圈与阀体有机地结合为一体, 使阀门具有较长的使用寿命。
1. Two-way sealed performance is good, torque value, small parts processing superior performance.
 2. Flow curve tending to straight line. Excellent regulation performance.
 3. Flange connection installed easily, both vertical and horizontal installation.
 4. The diversity of the seal material, for users to choose.
 5. Can be used in the pipe end for exhaust valve, valve, reliable performance.
 6. Seat sealing and body organically combined into an organic whole, make the valve has a longer service life.


主要零部件材质 Main Parts And Materials

名称 Name	阀体 Body	阀板 Disc	转轴 Shaft
材料 Material	球墨铸铁、灰铸铁-橡胶(丁腈橡胶、乙丙橡胶) Ductile cast iron, grey cast-iron rubber (nitrile rubber, ethylene propylene rubber)	球墨铸铁、铜、不锈钢 Ductile iron, copper, SS	不锈钢 SS

主要性能参数 Main Performance Parameters

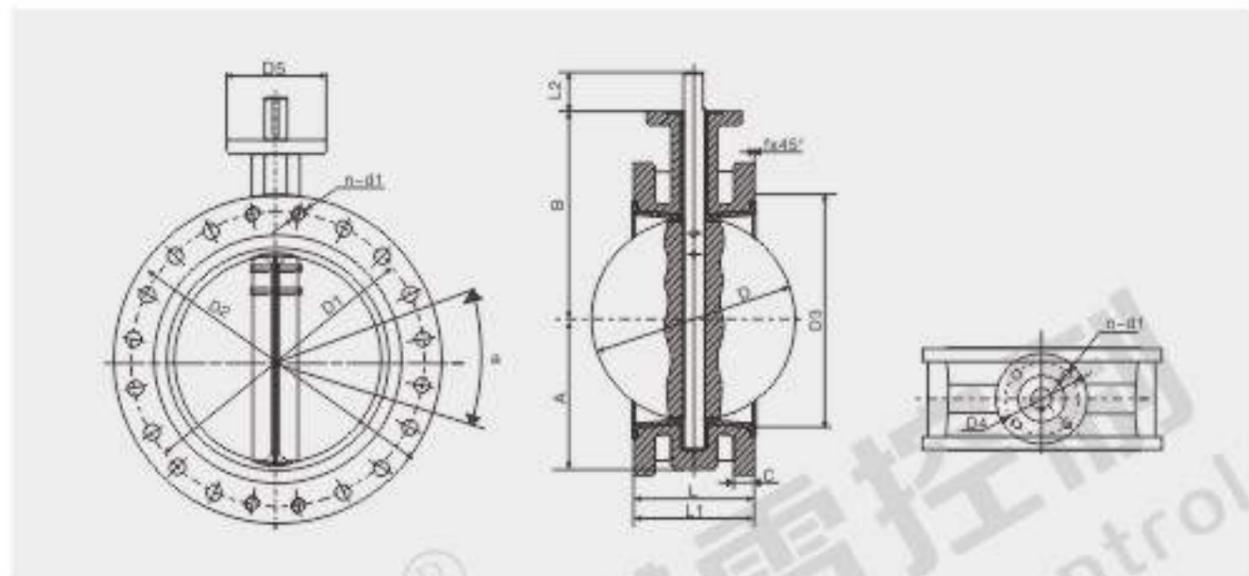
公称压力 Nominal pressure PN(MPa)	公称口径 Nominal diameter DN(mm)	试验压力 Test pressure(MPa)		适用温度 Applicable temp. ℃	适用介质 Applicable medium
		壳体 Shell	密封 Sealing		
1.0	50 - 1000	1.5	1.1	-10 - +120	水、油、气体等 Water, oil, gas, etc
1.6		2.4	1.76		

产品执行标准 Product Execution Standard

设计标准 Design standard	结构长度 Face-to-Face	法兰标准 End connection	压力试验 Test pressure
GB/T12238	GB/T12221	GB/T17241.6	GB/T13927

型号规格 Type Specification

D41X-10	D341X-10	D641X-10	D941X-10
D41X-16	D341X-16	D641X-16	D941X-16



主要外形尺寸及重量 Main Overall Dimension And Weight

PN1.0/1.6MPa

规格 Size DN	A	B	C	D	D ₁	D ₂	D ₃	D ₄	D ₅	L	L ₁	L ₂	n-d	a	f	n-d ₁	重量 Wt(kg)
50	83	120	20	52.9	125	165	99	57.15	65	108	111	32	4-19	90°	3	4-7	7.6
65	93	130	20	64.5	145	185	118	57.15	65	112	115	32	4-19	90°	3	4-7	9.7
80	100	145	22	78.8	160	200	132	57.15	65	114	117	32	8-19	45°	3	4-7	10.6
100	114	155	24	104	180	220	156	69.85	90	127	130	32	8-19	45°	3	4-10	13.8
125	125	170	26	123.3	210	250	184	69.85	90	140	143	32	8-19	45°	3	4-10	18.2
150	143	190	26	155.6	240	285	211	69.85	90	140	143	32	8-23	45°	3	4-10	21.7
200	170	205	26	202.5	295	340	266	88.9	125	152	155	45	8-23 12-23	45°/30°	3	4-14	31.8
250	198	235	28	250.5	350/355	395/405	319	88.9	125	165	168	45	12-23 15-28	30°	3	4-14	44.7
300	223	280	28	301.5	400/410	445/460	370	107.95	150	178	182	45	12-23 15-28	30°	4	4-14	57.9
350	279	310	30	333.3	460/470	505/520	429	107.95	150	190	194	45	16-23 16-28	22.5°	4	4-14	81.6
400	300	340	32	389.6	515/525	565/580	480	158.75	175	216	221	51.2/72	16-28 16-31	22.5°	4	4-20.6	106
450	345	375	32	440.5	565/585	615/640	530	158.75	175	222	227	51.2/72	20-28 20-31	18°	4	4-20.6	147
500	355	430	34	491.6	620/650	670/715	582	158.75	210	229	234	52.75/77.5	20-28 20-34	18°	4	4-20.6	165
600	410	500	36	592.5	725/770	780/840	682	215.9	210	267	272	70.2/82	20-31 20-37	18°	5	4-22	235
700	478	580	40	695	840	895/910	794	254	300	292	299	66/82	24-31 24-37	15°	5	8-18	338
800	529	620	44	794.7	950	1015/1025	901	254	300	318	325	66/82	24-34 24-40	15°	5	8-18	475
900	584	665	46	864.7	1050	1115/1125	1001	254	350	330	338	118	28-34 28-40	12.9°	5	8-22	595
1000	657	735	50	965	1180/1170	1230/1255	1112	254	350	410	417	141	28-37 28-43	12.9°	5	8-22	794

注：侧法兰连接标准符合：GB/T17241.6；结构长度标准符合：GB/T12221法兰连接的短结构；
蝶阀上法兰可适用于手柄、蜗轮蜗杆传动，电动和气动等传动装置。
表中“/”左面尺寸为PN1.0MPa尺寸，“/”右面尺寸为PN1.6MPa尺寸。

Note: The end connection standard fits: GB/T 17241.6; The structure length standard conforms to the short structure of GB/T 12221 flange connection.
The butterfly valve can be used on the handle, worm gear, electric and pneumatic gear.
The “/” left side of the table is the size of PN1.0 MPa, “/” the right size is PN1.6 MPa size.



产品概述 Product Overview

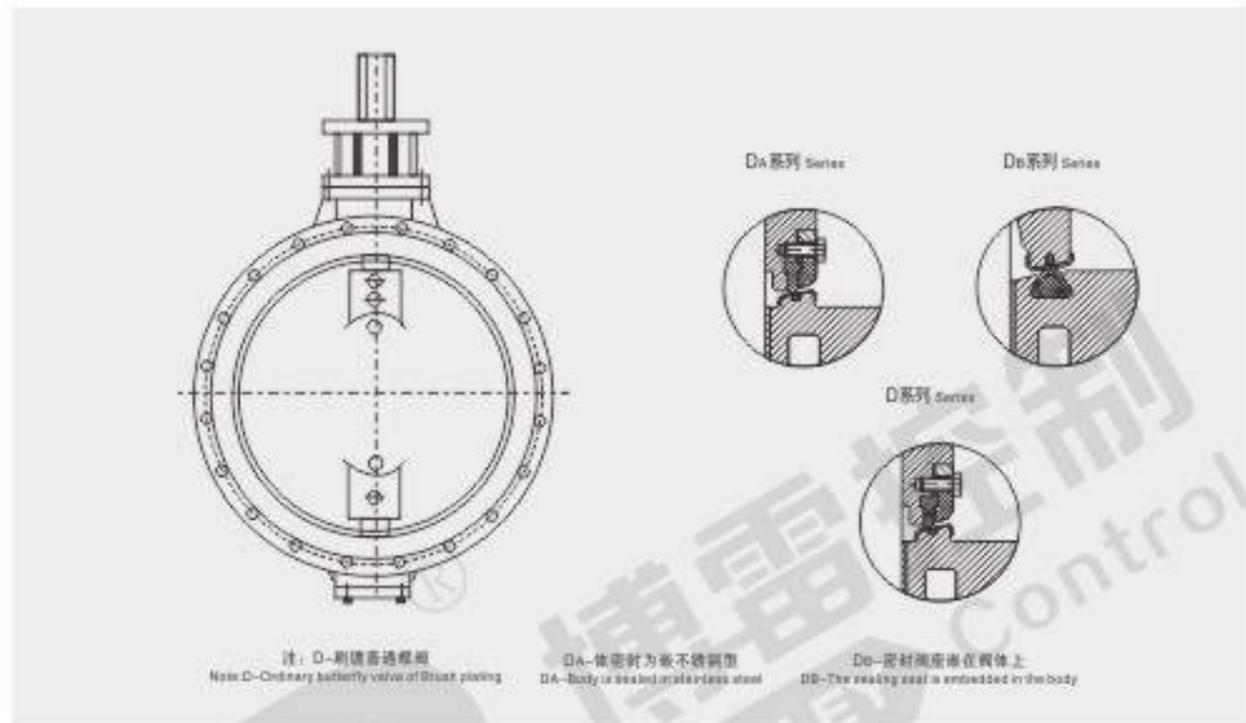
本蝶阀系我厂最新研制的软密封偏心法兰蝶阀，主要适用于水厂、电厂、钢厂冶炼、造纸、化工、水源工程、环境设施建设等系统供水排水用，尤其适用于水道管路上作为调节和截流设备使用。
This butterfly valve is our newly developed soft seal eccentric flanged butterfly valves, mainly suitable for water plants, power plants, steel mills, smelting, paper making, chemical industry, water engineering, water supply and drainage, environmental infrastructure projects such as system for water supply and drainage, especially suitable for waterway piping used as adjustment and the closure device.

产品特点 Product Features

1. 设计合理，结构紧凑，装卸容易，便于维修。
 2. 采用偏心结构，减少密封圈的摩擦，延长阀门使用寿命。
 3. 阀板密封圈采用“T”形结构，密封副呈线性密封。
 4. 完全密封，泄漏为零。
 5. 更换阀板密封圈、“O”形圈、蝶板、转轴等。材质，可适用多种介质和不同温度。
1. Reasonable design, compact structure, easy installation and easy maintenance.
 2. Adopts eccentric structure, reduce the friction sealing ring, prolong the service life of the valve.
 3. “T” shape structure, the valve sealing ring, the sealing deputy linear sealing.
 4. Completely sealed, zero leakage.
 5. Replace the valve plate seal, “O” ring, disc, shaft, etc. Material, can be used a variety of medium and different temperature.

主要性能参数 Main Performance Parameters

公称压力PN(MPa) Nominal pressure	1.0	1.6	
公称口径DN(mm) Nominal diameter	100 - 1200	100 - 1200	
试验压力 Test pressure (MPa)	壳体 Shell	1.5	2.4
	密封 Sealing	1.1	1.76
适用温度℃ Applicable temp.	-15 - +110		
适用介质 Applicable medium	淡水、污水、海水、空气等 Fresh water, sewage, sea water, air, etc		



产品执行标准 Product Enforce Standards

- 符合GB/T12238《通用阀门法兰和对夹连接蝶阀》标准。
- 试验符合GB/T13927《通用阀门压力试验》标准。
- 侧法兰连接符合GB/T17241.6《整体铸钢管法兰》标准。同时符合英标/德标/国家标准中PN1.0MPa、PN1.6MPa法兰连接标准。
- 结构长度

- (1)短结构符合GB/T12221《法兰连接金属阀门结构长度》中对夹式蝶阀长度系列尺寸规定。
(2)长结构符合GB/T12221《法兰连接金属阀门结构长度》中法兰连接蝶阀长度系列尺寸规定。

- In line with the GB/T12238 (General valve flange and connected to the clamp butterfly valve) standards.
- Test in accordance with GB/T13927 standard for (General valve pressure test).
- Side flange connection in accordance with GB/T17241.6 standard for (The whole cast iron pipe flanges). At the same time, the standard of PN1.0 MPa, PN1.6 MPa, PN1.6 MPa flanges is met in accordance with the standard.
- Face-to-face

- (1) Short structure accord with GB12221 (Length of flange connection structure of metal valve) in which the length of the length of the butterfly valves is specified.
(2) Long structure accord with GB12221 (The length of flange connection metal valve structure) with flange connecting butterfly valve length series size.

主要零件材料 Main Parts And Materials

名称 Name	阀体 Body	阀板 Plate	转轴 Turn shaft	轴套 Collar	阀板密封圈 Body sealing ring	阀体钢环 Body steel ring
国标GB	HT 200	QT 500	2Cr13	ZCuZn38Mn2Pb2	丁腈橡胶 NBR	0Cr18Ni9
美标ASTM	A126 ClassB	A536 65-45-12	420	B36	D2000AA6014	S32100
英标BS	BS 1452 Cr.180	BS 2789 Cr.500-7	420	BS1400	BS 2494 Buna-N	321S12



主要外形尺寸及重量 Main Overall Dimension And Weight

规格 Size DN	手动装置 Hand operations	D	D1	d	b	短结构 Short structure		长结构 Long structure		H	H1	H2	L					Φ	总重WT (kg)		
						n-d0	4-M	n-d0	短结构 Short structure				长结构 Long structure	L1	L2	L3	L4		L5	短结构 Short structure	长结构 Long structure
100	3D-15	220	180	158	24	-	-	8-φ17.5	446	234	122	-	190	190	48	212	-	180	180	-	25
150	3D-20	285	240	212	26	-	-	8-φ22	521.5	279	153	-	210	190	58	128	-	194	180	-	37
200	3D-50	340	295	268	28	4-φ22	M20	8-φ22	690	349	216	89	230	280	70	163	-	241	250	53	63
250	3D-120	390	350	320	28	8-φ22	M20	12-φ22	800	406	219	114	250	280	95	193	-	291	350	81	94
300	3D-30/250	450	400	370	28	8-φ22	M20	12-φ22	959	542	267	114	270	449	178	254	104	473	300	128	148
350	3D-30/250	505	460	430	30	12-φ22	M20	16-φ22	1048	583	315	127	290	449	178	254	104	473	300	156	188
400	3D-30/250	565	515	482	30	12-φ26	M24	16-φ26	1120	620	350	140	310	449	178	254	104	473	300	205	237
450	3D-30/250	615	565	532	34	16-φ26	M24	20-φ26	1190	667	373	152	330	449	178	254	104	473	300	228	268
500	3D-30/400	670	620	585	34	16-φ26	M24	20-φ26	1280	702	428	152	350	486	196	254	130	528	300	242	289
600	3D-60/800	780	725	685	35	16-φ30	M27	20-φ30	1409	759	450	178	390	627	244	245	162	596	400	414	480
700	3D-60/800	895	840	800	40	20-φ30	M27	24-φ30	1613	885	528	229	430	627	244	245	162	596	400	522	615
800	3D-120/1500	1015	950	905	44	20-φ33	M30	24-φ33	1736	1013	573	241	470	635	270	295	196	711	300	689	818
900	3D-120/1500	1115	1050	1005	44	24-φ33	M30	28-φ33	1860	1071	639	241	510	635	270	295	196	711	300	804	956
1000	3D-120/2500	1230	1160	1110	50	24-φ36	M33	28-φ36	2107	1234	723	300	550	955	455	296	295	807	300	1177	1277
1200	3D-120/2500	1455	1380	1330	52	28-φ39	M36	32-φ39	2326	1343	833	350	630	955	455	296	295	807	300	1508	1764

主要外形尺寸及重量 Main Overall Dimension And Weight

规格 Size DN	手动装置 Hand operations	D	D1	d	b	短结构 Short structure		长结构 Long structure		H	H1	H2	L					Φ	总重WT (kg)		
						n-d0	4-M	n-d0	短结构 Short structure				长结构 Long structure	L1	L2	L3	L4		L5	短结构 Short structure	长结构 Long structure
100	3D-15	220	180	156	24	-	-	8-φ19	446	234	122	-	190	202	48	121	-	180	180	-	25
150	3D-20	285	240	211	26	-	-	8-φ23	521.5	279	153	-	210	222	58	128	-	194	180	-	37
200	3D-50	340	295	266	30	8-φ23	M20	12-φ23	690	349	216	89	230	275	70	163	-	241	250	53	63
250	3D-120	405	355	319	32	8-φ28	M24	12-φ28	782	398	209	114	250	368	95	193	-	291	350	81	94
300	3D-30/250	460	410	370	32	8-φ28	M24	12-φ28	980	556	277	114	270	449	178	254	104	473	300	145	165
350	3D-30/250	520	470	429	36	12-φ28	M24	16-φ28	1048	586	315	127	290	449	178	254	104	473	300	190	214
400	3D-30/400	580	525	480	38	12-φ31	M27	16-φ31	1138	653	335	140	310	486	196	254	130	528	300	232	264
450	3D-30/400	640	585	548	40	16-φ31	M27	20-φ31	1202	672	380	152	330	486	196	254	130	528	300	352	392
500	3D-60/800	715	650	609	42	16-φ34	M30	20-φ34	1421	793	428	152	350	627	244	254	162	596	400	377	524
600	3D-60/800	840	770	720	48	16-φ37	M33	20-φ37	1488	808	480	178	390	627	244	245	162	596	400	625	700
700	3D-120/1500	910	840	794	49.5	20-φ37	M33	24-φ37	1889	1058	681	229	430	635	370	295	196	711	300	853	953
800	3D-120/1500	1025	950	901	43	20-φ40	M36	24-φ40	2032	1133	749	241	470	635	370	295	196	711	300	924	1075
900	3D-120/2500	1125	1050	1001	46.5	24-φ40	M36	28-φ40	2258	1266	842	241	510	955	455	295	295	807	300	1135	1319
1000	3D-120/2500	1255	1170	1112	50	24-φ43	M39	28-φ43	2325	1286	889	300	550	955	445	296	295	807	300	1562	1751
1200	3D-120/4000	1485	1390	1328	57	28-φ49	M45	32-φ49	2796	1568	978	350	630	1190	680	491	598	1089	500	3253	3541



D94A3X-10/16 D494A3X-10/16
D894A3X-10/16 D343X-10/16
D4943X-10/16 D8943X-10/16
注: 介质流向箭头板承受介质压力方向
Note: The medium flows to the valve plate under the pressure of the medium

主要外形尺寸及重量 Main Overall Dimension And Weight

PN1.0MPa

规格 Size DN	手动装置 Hand operations	D	D ₁	d	b	短结构 Short structure		长结构 Long structure	H	H ₁	H ₂	L		L ₁	L ₂	L ₃	L ₄	L ₅	Φ	总重WT (kg)	
						n-d0	4-M					n-d0	短结构 Short							长结构 Long	短结构 Short
100	802.20-1	220	180	158	24	-	-	8-φ17.5	569	279	122	-	190	323	134	79	420	253	220	-	40
150	802.20-1	285	240	212	26	-	-	8-φ22	642	321	153	-	210	323	134	79	420	253	220	-	53
200	802.60-1	340	295	268	28	4-φ22	M20	8-φ22	811	349	216	89	230	410	144	110	552	330	360	76	86.6
250	802.120-1	390	350	320	28	8-φ22	M20	12-φ22	856	486	219	114	250	410	144	110	552	330	360	105	117
300	802.250-1	450	400	370	28	8-φ22	M20	12-φ22	1008	531	267	114	270	473	148	140	625	365	500	161	181
350	802.250-1	505	460	430	30	12-φ22	M20	16-φ22	1097	572	315	127	290	473	148	140	625	365	500	189	221
400	802.250-1	565	515	482	30	12-φ25	M24	16-φ25	1169	609	350	140	310	473	148	140	625	365	500	238	270
450	802.250-1	615	565	532	34	16-φ26	M24	20-φ26	1219	636	373	152	330	473	148	140	625	365	500	261	301
500	802.500-0.5	670	620	585	34	16-φ26	M24	20-φ26	1318	680	428	152	350	473	148	140	625	365	500	260	307
600	802.500-0.5	780	725	685	35	16-φ30	M27	20-φ30	1380	720	450	178	380	473	148	140	625	365	500	380	446
700	802.1000-0.2	895	840	800	40	20-φ30	M27	24-φ30	1839	1629	528	229	430	590	148	140	696	230	500	598	691
800	Z60-3D1500	1015	950	905	44	20-φ33	M30	24-φ33	1663	942	573	241	470	834.5	180	439.5	970	510	360	781	910
900	Z60-3D1500	1115	1050	1005	44	24-φ33	M30	28-φ33	1787	1000	639	241	510	834.5	180	439.5	970	510	360	895	1048
1000	Z120-3D2500	1230	1160	1110	50	24-φ36	M33	28-φ36	1983	1108	723	300	550	1050	180	520	1044	553	360	1255	1355
1200	Z120-3D2500	1455	1380	1330	52	28-φ39	M36	32-φ39	2202	1217	833	350	630	1050	180	520	1044	553	360	1586	1842

主要外形尺寸及重量 Main Overall Dimension And Weight

PN1.6MPa

规格 Size DN	手动装置 Hand operations	D	D ₁	d	b	短结构 Short structure		长结构 Long structure	H	H ₁	H ₂	L		L ₁	L ₂	L ₃	L ₄	L ₅	Φ	总重WT (kg)	
						n-d0	4-M					n-d0	短结构 Short							长结构 Long	短结构 Short
100	802.20-1	220	180	156	24	-	-	8-φ19	569	279	122	-	190	323	134	79	420	253	220	-	40
150	802.20-1	285	240	211	26	-	-	8-φ23	642	321	153	-	210	323	134	79	420	253	220	-	53
200	802.60-1	340	295	266	30	8-φ23	M20	12-φ23	811	349	216	89	230	410	144	110	552	300	360	76	87
250	802.120	405	355	319	32	8-φ28	M24	12-φ28	909	446	219	114	250	410	144	110	552	330	360	105	118
300	802.250	460	410	370	32	8-φ28	M24	12-φ28	1029	542	278	114	270	473	148	140	625	365	500	178	208
350	802.250	520	470	429	36	12-φ28	M24	16-φ28	1097	572	315	127	290	473	148	140	625	365	500	223	247
400	802.500	580	525	480	38	12-φ31	M27	16-φ31	1172	626	336	140	310	473	148	140	625	365	500	250	282
450	802.500	640	585	548	40	16-φ31	M27	20-φ31	1246	656	381	152	330	473	148	140	625	365	500	318	358
500	802.500	715	650	609	42	16-φ34	M30	20-φ34	1379	741	428	152	350	473	148	140	625	365	500	345	392
600	802.1000	840	770	720	48	16-φ37	M33	20-φ37	1741	1051	480	178	390	590	148	140	696	430	500	591	666
700	Z60-3D1500	910	840	794	39.5	20-φ37	M33	24-φ37	1833	874	681	229	430	835	440	196	970	510	360	975	1075
800	Z60-3D1500	1025	950	901	43	20-φ40	M36	24-φ40	1976	949	749	241	470	835	440	196	970	510	360	1046	1197
900	Z120-3D2500	1125	1050	1001	46.5	24-φ40	M36	28-φ40	2225	1140	842	241	510	1050	520	295	1044	553	360	1417	1601
1000	Z120-3D2500	1255	1170	1112	50	24-φ43	M39	28-φ43	2292	1160	889	300	550	1050	520	295	1044	553	360	1844	2033
1200	Z200-3D4000	1485	1390	1328	57	28-φ49	M45	32-φ49	2661	1367	978	350	630	1274	672	414	1289	595	360	3377	3665



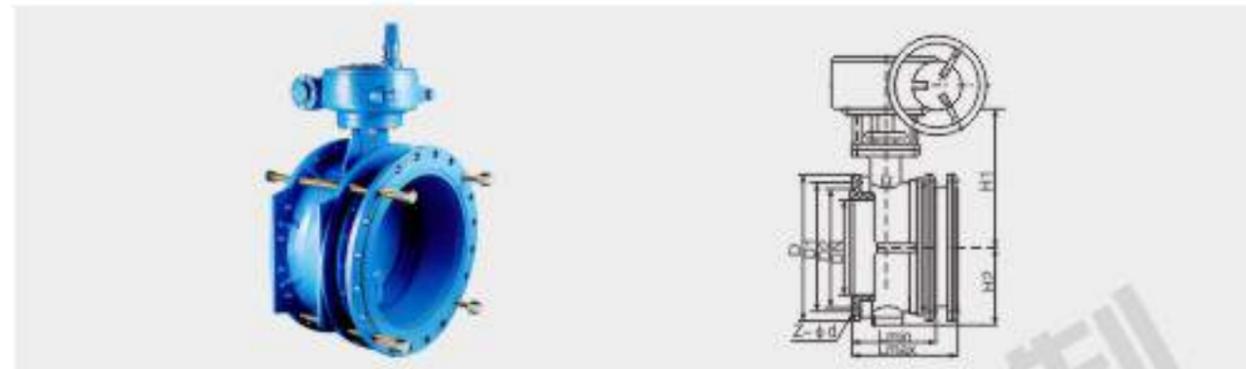
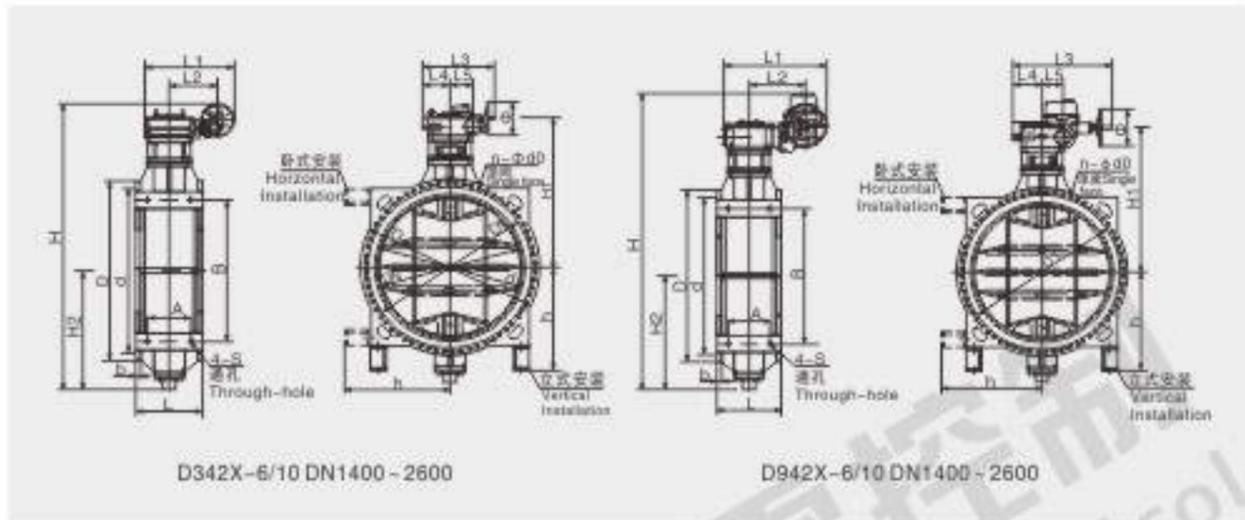
产品执行标准 Product Enforce Standards

- 符合GB/T12238《通用阀门法兰和对夹连接蝶阀》标准。
- 试验符合GB/T13927《通用阀门压力试验》标准。
- 侧法兰符合GB/T17241.6《整体铸铁管法兰》标准。
- 结构长度
 - 短结构符合GB/T12221《法兰连接金属阀门结构长度》中对夹蝶阀长系列尺寸规定。
 - 长结构符合GB/T12221《法兰连接金属阀门结构长度》中双法兰连接蝶阀长系列尺寸规定。

- In line with the GB/T12238《General valve flange and connected to the clamp butterfly valve》standards.
- Test in accordance with GB/T13927 standard for《General valve pressure test》.
- Side flange in accordance with GB/T17241.6 standard for《The whole cast iron pipe flanges》.
- Face-to-Face
 - Short structure in accordance with GB/T12221《The length of flange connection structure of metal valve》butterfly valve to the clamp long series of size.
 - Structure in line with the GB/T12221《Long the length of flange connection structure of metal valve》long series double flange butterfly valve size.

主要性能参数 Main Performance Parameters

公称压力 Nominal pressure(MPa)	1.0		0.6	
公称通径 Nominal diameter(mm)	1400-2000		2200-3000	
试验压力 Test pressure (MPa)	壳体 Shell	1.5	0.9	
	密封 Seal	1.1	0.66	
适用温度 Applicable temperature (°C)	-15--+80			
适用介质 Applicable medium	淡水、污水、海水、空气等 Fresh water, sewage, sea water, air, etc			



软密封单偏心蜗轮蜗杆传动法兰蝶阀主要外型尺寸及重量
Soft Sealant Single-eccentric Worm Gear Worm Drive Flanged Butterfly Valve With Its Main External Size And Weight PNO.6/1.0MPa

规格 Size DN	D	D1	d	b	h	蜗轮蜗杆 (Short)		蜗轮蜗杆 (Long)		H	H1	H2	B	A		L		4-S	L1	L2	L3	L4	L5	Φ	总重WT(kg)	
						n-do	4-M	n-do	n-do					短蜗轮 (Short)	长蜗轮 (Long)	短蜗轮 (Short)	长蜗轮 (Long)								短蜗轮 (Short)	长蜗轮 (Long)
1400	1675	1590	1530	62	960	32-042	4-M39	36-042	2995	1668	1078	1500	200	475	390	710	Φ33	1270	598	1089	387	414	500	3863	4280	
1600	1915	1820	1750	68	1050	36-048	4-M45	40-048	3245	1778	1218	1600	260	530	440	790	Φ33	1270	598	1089	387	414	500	4367	4953	
1800	2115	2020	1950	70	1197	40-048	4-M45	44-048	3720	2044	1426	1900	300	570	490	870	Φ33	1625	745	1399	387	602	500	6621	7416	
2000	2325	2230	2150	74	1320	44-048	4-M45	48-048	3851	2115	1486	2000	350	750	540	960	Φ36	1630	750	1430	417	602	500	8324	9327	
2200	2475	2390	2335	80	1377	-	-	52-042	4300	2400	1650	2110	-	750	-	1000	Φ45	1630	750	1430	417	602	500	-	10690	
2400	2685	2600	2545	82	1477	-	-	56-042	4551	2515	1786	2310	-	750	-	1100	Φ45	1630	750	1430	417	602	500	-	12320	
2600	2905	2810	2750	84	1675	-	-	60-048	5016	2735	2031	2640	-	800	-	1200	Φ45	1630	750	1430	417	602	500	-	14028	

软密封单偏心电动法兰蝶阀主要外型尺寸及重量
Main External Size And Weight Of The Soft Seal Single Eccentric Electric Flange Butterfly Valve PNO.6/1.0MPa

规格 Size DN	D	D1	d	b	h	蜗轮蜗杆 (Short)		蜗轮蜗杆 (Long)		H	H1	H2	B	A		L		4-S	L1	L2	L3	L4	L5	Φ	总重WT(kg)	
						n-do	4-M	n-do	n-do					短蜗轮 (Short)	长蜗轮 (Long)	短蜗轮 (Short)	长蜗轮 (Long)								短蜗轮 (Short)	长蜗轮 (Long)
1400	1675	1590	1530	62	960	32-042	4-M39	36-042	2861	1472	1078	1500	200	475	390	710	Φ33	1274	672	1289	280	414	360	4425	4008	
1600	1915	1820	1750	68	1050	36-048	4-M45	40-048	3111	1582	1218	1600	260	530	440	790	Φ33	1274	672	1289	280	414	360	5095	4509	
1800	2115	2020	1950	70	1197	40-048	4-M45	44-048	3585	1848	1426	1900	300	570	490	870	Φ33	1629	819	1682	410	602	360	7576	6781	
2000	2325	2230	2150	74	1320	44-048	4-M45	48-048	3672	1875	1486	2000	350	750	540	960	Φ36	1805	995	1442	410	602	360	8471	9519	
2200	2475	2390	2335	80	1377	-	-	52-042	4121	2160	1650	2110	-	750	-	1000	Φ45	1805	995	1442	410	602	360	-	10737	
2400	2685	2600	2545	82	1477	-	-	56-042	4372	2275	1786	2310	-	750	-	1100	Φ45	1805	995	1442	410	602	360	-	12467	
2600	2905	2810	2750	84	1675	-	-	60-048	4837	2495	2031	2640	-	800	-	1200	Φ45	1805	995	1442	410	602	360	-	14175	

性能规范 Performance Standard

本蝶阀适用于温度 $\leq 80^{\circ}\text{C}$ ，用于石油、化工、食品、医药、轻纺、造纸、电力、给排水、气体管路上，作调节流量和截流介质的作用，具有补偿管道热胀冷缩的功能。
This butterfly valve applicable for temperature $\leq 80^{\circ}\text{C}$, is used for petroleum, chemical industry, food, medicine, spinning, paper making, electric power, supply, exhaust water, air pipeline, it can adjust flow rate and cut liquid, and has function of compensate heat expansion and cold contract.

特点 Product Features

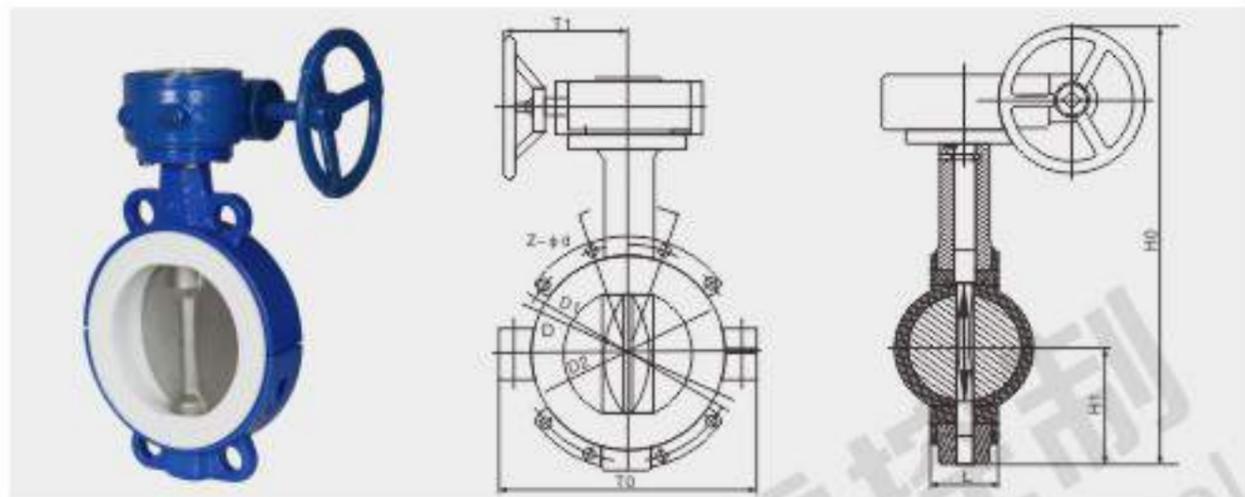
1. 设计新颖、合理、结构独特、重量轻、操作方便、启闭迅速。
 2. 本伸缩蝶阀既能起到调节流量和截流作用，又能补偿管道热胀冷缩功能，同时也便于安装和拆卸，为一阀多用产品。
1. Novel design, reasonable, special structure, light weight, easy operation, quick open/close.
2. This stretchy butterfly valve not only can effect adjust flow rate and cut liquid, also can compensate function of heat expansion and cold contract, meantime it easy installation and disassembly, it's multi-fuction product.

主要零件材料 Main Part Material

序号No	零件名称 Part name	材料名称 Material name
1	阀体 Body	铸铁、球墨铸铁、铸钢、不锈钢 Cast Iron, Nodular cast iron, Cast Steel, SS
2	阀板 Wedge	球墨铸铁、铜合金、不锈钢 Nodular cast iron, copper alloy, SS
3	阀杆 Stem	2Cr13、45号钢 2Cr13, 45 steel number 2Cr13, 45 steel
4	密封环 Seal ring	耐磨橡胶、丁腈橡胶等 Wear rubber, nitrile rubber Abrasive Resistant rubber, NBR etc
5	填料 Packing	丁腈橡胶O型垫等 NBR O type rubber pad

主要外形连接尺寸 Main External And Connection Dimension (SD341/641/941X) 单位Unit:mm

公称口径 Nominal diameter mm	尺寸(Size) (mm)										WT (kg)
	最短Lmin Shortest	安装标准L Instal standard	最长Lmax Longest	伸缩量ΔL Stretching capacity	H1	H2	D1	D	Z-φd	b	
SD341X											
50	180	200	220	40 60	241	70	125	165	4-φ18	21	16
65	190	210	230		264	70	145	180	4-φ18	23	18
80	210	230	250		276	70	160	210	8-φ18	23	21
100	237	257	277		314	70	180	238	8-φ18	27	23
125	255	275	295		340	70	210	250	8-φ18	27	33.3
150	280	300	320		365	70	240	290	8-φ22	28	37
200	338	358	378		435	80	295	345	8-φ22	29	60
250	350	380	410		495	80	350	405	12-φ22	30	77
300	390	420	450		580	85	400	460	12-φ22	30	98
350	420	450	480		635	85	460	505	16-φ22	32	126
400	450	480	510		709	185	515	565	16-φ26	32	180
450	480	510	540		750	185	565	625	20-φ26	32	222
500	510	540	570		841	190	620	670	20-φ26	34	295
600	570	600	630		1021	190	725	780	20-φ30	36	453
700	630	660	690		1144	240	840	895	24-φ30	40	-
800	690	720	750		1263	240	950	1015	24-φ33	44	-


性能规范 Specifications

型号 Model	公称压力 PN(MPa)	试验压力Ps(MPa) Test pressure		工作温度(°C) Working temperature	适用介质 Applicable medium
		壳体 Shell	密封 Seal		
D371F4-10	1.0	1.5	1.1	-30~180	硫酸、氢氟酸、磷酸、氯气、苯、强碱、王水、强氧化剂和还原剂等具有强腐蚀性的介质 Sulfuric acid, hydrofluoric acid, phosphoric acid, chlorine, benzene, alkali, wang, strong oxygen agents have the corrosive medium
D371F4-16	1.6	2.4	1.5	-30~180	
D371F46-10	1.0	1.5	1.1	-30~160	
D371F46-16	1.6	2.4	1.5	-30~160	

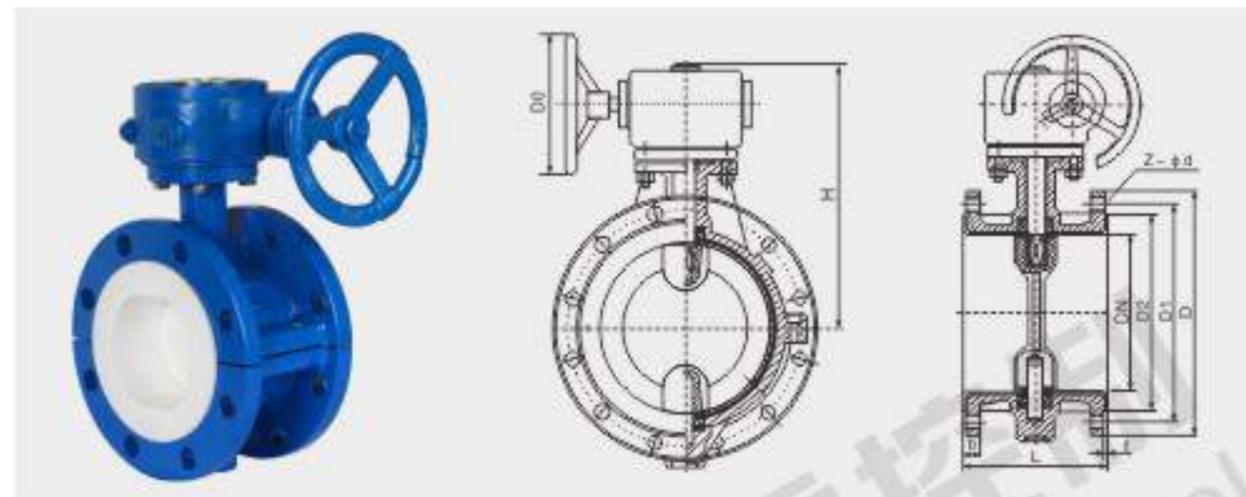
主要零件材料 Main Part Material

型号 Model	零件名称 Part name	壳体 Body	碟板 Dish plate	阀轴 Shaft	密封挡圈 Seal retainer	填料 Filling lining	蜗轮 Worm gear
D371F4-10/16	材料 Materials	碳钢衬聚四氟乙烯(F4) Carbon steel lining PTFE(F4)	碳钢衬聚四氟乙烯(F4) Carbon steel Sand core lining PTFE(F4)	2Cr13	聚四氟乙烯 F4PTFE(F4)	硅橡胶 Silicone rubber	灰铸铁、球墨铸铁 Grey cast iron, nodular cast iron
D371F46-10/16		碳钢衬全氟乙丙(F46) Carbon steel lining PFEP(F46)	碳钢衬全氟乙丙(F46)带芯 (F46)Carbon steel Sand core lining PFEP(F46)				

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN(mm)	尺寸Size(mm)										
	L	Ho	H1	D1	D	D2	To	T1	A	Z-φd	
50	43	193	-	125	160	100	-	-	45°	2-φ18	
65	46	234	-	145	180	120	-	-	45°	2-φ18	
80	46	275	-	160	195	140	-	-	45°	2-φ18	
100	52	415	95	180	216	158	210	157	45°	2-φ18	
125	56	440	108	210	246	188	237	157	45°	2-φ18	
150	56	500	121	240	290	216	278	159	45°	2-φ23	
200	60	575	168	295	336	270	330	159	45°	4-φ23	
250	68	645	196	350	392	320	390	203	30°	8-φ23	
300	78	745	220	400	440	376	447	203	30°	8-φ23	
350	78	845	265	460	500	424	520	203	22.5°	12-φ23	
400	102	975	305	515	564	484	570	286	22.5°	12-φ26	


性能规范 Specifications

型号 Model	公称压力 PN(MPa)	试验压力Ps(MPa) Test pressure		工作温度(°C) Working temperature	适用介质 Applicable medium
		壳体 Shell	密封 Seal		
D371F4-10	1.0	1.5	1.1	-30~180	硫酸、氢氟酸、磷酸、氯气、苯、强碱、王水、强氧化剂和还原剂等具有强腐蚀性的介质 Sulfuric acid, hydrofluoric acid, phosphoric acid, chlorine, benzene, alkali, wang, strong oxygen agent and reducing agent, etc have the corrosive medium
D371F4-16	1.6	2.4	1.5	-30~180	
D371F46-10	1.0	1.5	1.1	-30~160	
D371F46-16	1.6	2.4	1.5	-30~160	

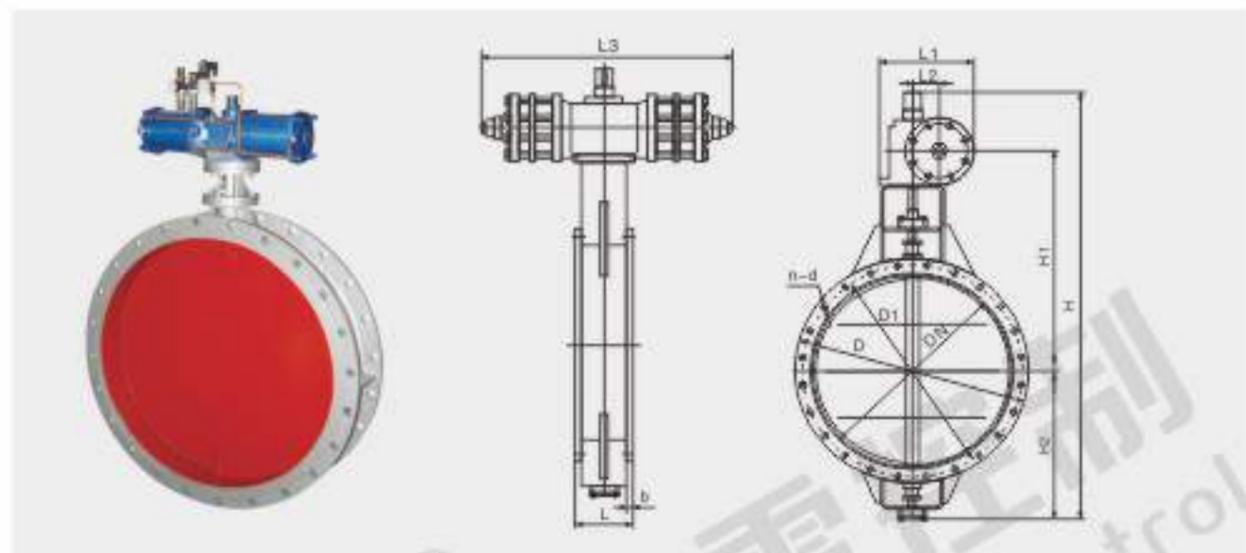
主要零件材料 Main Part Material

型号 Model	零件名称 Part name	壳体 Body	阀板、阀杆 Plate, Stem	密封挡圈 Seal Archives Circle	填料 Filling lining	蜗轮 Worm gear
D341F4-10/16	材料 Materials	碳钢衬聚四氟乙烯(F4) Carbon steel lining PTFE(F4)	碳钢衬聚四氟乙烯(F4) Carbon steel lining PTFE(F4)	聚四氟乙烯(F4) PFEP(F4)	硅橡胶 Silicone rubber	灰铸铁、球墨铸铁 Grey cast iron, nodular cast iron
D341F4-10/16		碳钢衬全氟乙丙(F46) Carbon steel lining PFEP(F46)	碳钢衬全氟乙丙(F46) Carbon steel lining PFEP(F46)			

主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN(mm)	标准值 Standard											
	L		D		D1		D2		F		Z-φd	
	PN1.0(Mpa)	PN1.6(Mpa)	PN1.0(Mpa)	PN1.6(Mpa)	PN1.0(Mpa)	PN1.6(Mpa)	PN1.0(Mpa)	PN1.6(Mpa)	PN1.0(Mpa)	PN1.6(Mpa)	PN1.0(Mpa)	PN1.6(Mpa)
40	105	105	145	145	110	110	85	85	3	3	4-φ18	4-φ18
50	110	110	160	160	125	125	100	100	3	3	4-φ18	4-φ18
65	110	110	180	180	145	145	120	120	3	3	4-φ18	4-φ18
80	115	115	195	195	160	160	135	135	3	3	4-φ18	8-φ18
100	120	120	215	215	180	180	155	155	3	3	8-φ18	8-φ18
125	130	130	245	245	210	210	185	185	3	3	8-φ18	8-φ18
150	140	140	280	280	240	240	210	210	3	3	8-φ23	8-φ23
200	150	150	335	335	295	295	265	265	3	3	8-φ23	12-φ23
250	165	165	390	405	350	355	320	320	3	3	12-φ23	12-φ25
300	175	175	440	460	400	410	368	375	4	4	12-φ23	12-φ25
350	190	190	500	520	460	470	426	435	4	4	16-φ23	16-φ25
400	315	315	565	580	515	525	482	485	4	4	16-φ25	16-φ30
450	220	220	615	640	565	585	532	545	4	4	20-φ25	20-φ30
500	230	230	670	705	620	650	585	608	4	4	20-φ25	20-φ34



气动通风蝶阀 Pneumatic Drive Butterfly Valve

该阀主要用于冶金工业的烧结、冶炼系统及建材、化工、能源、环保等行业的通风除尘管道，是一种安全可靠的调节、隔断装置。该阀结构紧凑，体积小、重量轻，密封效果好，泄漏量小。该阀可远程控制也可就地操作。

This valve is a dependable adjusting and cutoff device mainly used in the ventilating and dedusting pipeline in the fields of sintering and smelting system in metallurgy industry as well as building material, chemical, energy sources and environmental protection etc.

This valve is featured by compact structure, small volume, light weight, outstanding seal, little leakage, remote control and spot operation.

主要性能参数 Main Performance Parameters

公称压力: 0.1MPa

适用介质: 空气及含尘烟气

适用温度: <300℃

主体零件材料: 碳钢、合金钢

Nominal pressure: 0.1MPa

Applicable medium: air and dusty smoke gas

Applicable temperature: <300℃

Material of main parts: carbon steel, alloy steel

主要外形尺寸 Main Outline Dimensions (PN0.1MPa)

单位Unit:mm

DN	L	D	D1	b	N-d	H	H1	H2	L1	L2	L3	WT (kg)
200	140	320	280	16	8-17.5	721	415	225	220	70	450	68
250	140	375	335	16	12-17.5	771	440	250	220	70	450	78
300	170	440	395	16	12-22	832	470	280	220	70	450	86
350	170	490	445	16	12-22	981	515	320	280	100	650	150
400	190	540	495	16	16-22	1031	545	345	280	100	650	160
450	190	595	550	16	16-22	1091	570	375	280	100	650	174
500	190	645	600	20	20-22	1131	590	395	280	100	650	187
600	210	755	705	20	20-26	1322	716	466	380	120	1250	302
700	210	860	810	20	24-26	1422	766	516	380	120	1250	407
800	210	975	920	20	24-30	1565	830	585	260	120	1250	517
900	250	1075	1020	20	24-30	1615	880	635	260	120	1250	560
1000	250	1175	1120	20	28-30	1790	950	695	580	290	1500	600
1200	250	1375	1320	20	32-30	1990	1050	795	580	290	1500	750
1400	300	1575	1520	20	36-30	2170	1105	915	580	290	1500	980
1600	300	1790	1730	24	40-30	2370	1205	1015	580	290	1500	1290

用途及特点 Usage&Features

815、830系列蝶阀的主要结构特征为对夹式和法兰式三偏心结构，而815L、830L系列蝶阀的主要结构特征为阀体周边带凸耳且设计成带螺孔L单法兰结构。815、830系列蝶阀广泛应用于石油、化工及工业环保水处理、高层建筑、给排水等管道上。其特点为：由于采用的是三偏心结构，密封性能可靠，确保开启时蝶板不接触密封座，消除了密封座不均匀负载，延长了使用寿命，确保可靠的密封性能，具有耐高温、耐磨损、耐腐蚀等优点。

Main configuration characteristic of 815,830 series of butterfly valve is composed of wafer and flange three eccentricity,then main configuration characteristic of 815,830L series butterfly valve is edge of body with protruding ears and single flange configuration with screw.815,830 series of butterfly valve has been widely utilized in petroleum,chemical industry and industry environmental protection water treatment,higy building,water supplying and draining.The main characteristic is :due to use three eccentric configuration,hermetic capability reliably,which ensure disc never touch sealingseat when it start.solve the problem of hermetical seat burden unequally,prolong service life,and ensure reliable hermetic capability with advantage of high temperature resistant,wearable,antiseptis etc.

执行标准 Administer Standard

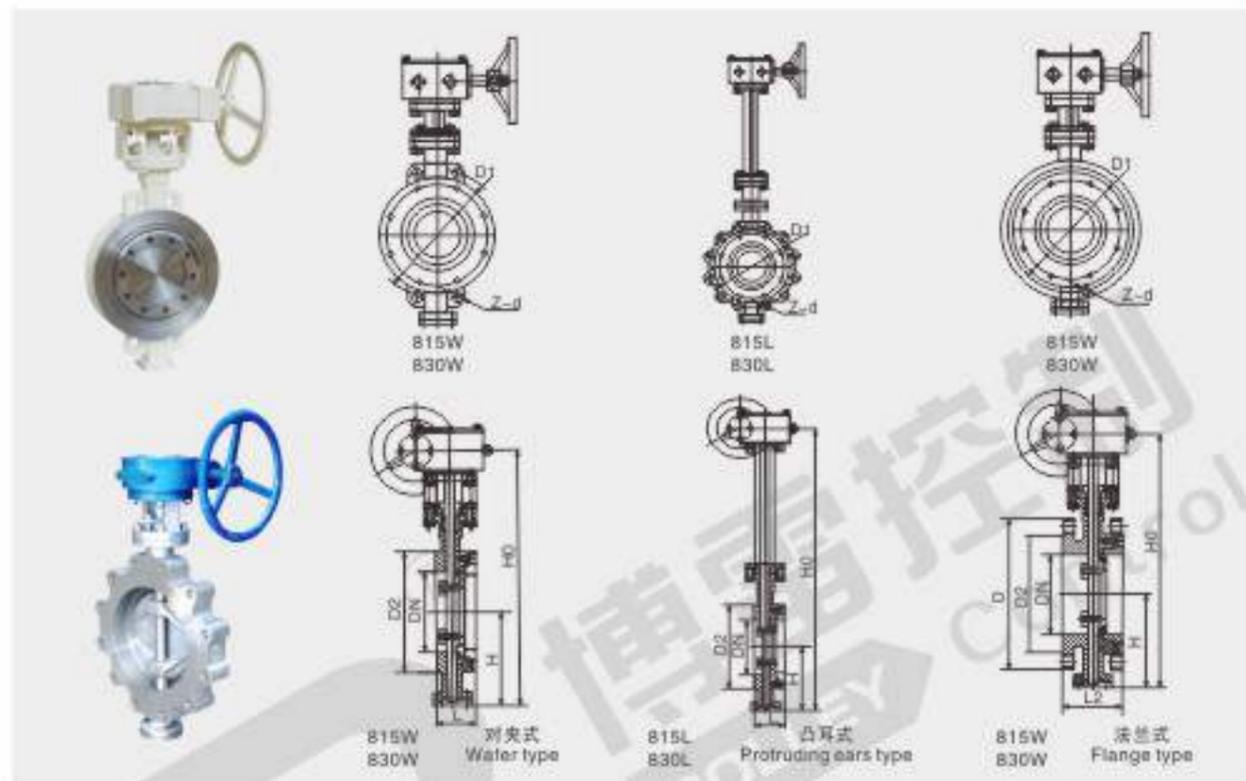
设计与制造 Design And Manufacture	结构长度 Face to face	法兰尺寸 Flange Dimension	试验—检验 Inspection And Test
API 609-2004	ANSI B16.10-2002	ANSI B16.5-2004	API 598-2004

压力试验 Pressure Test

公称口径 DN(mm) Nominal Diameter	830W		830L	
	2" - 36"		2" - 36"	
公称压力PN(Lb) Nominal Pressure	150		300	
试验压力(MPa) Test pressure	强度试验 Shell test		3.0	7.5
	密封试验 Seal test		2.2	5.5
适用介质 Appropriate medium	水、蒸汽、油品、海水等 Water,steam,oil,seawater			
适用温度 Appropriate temperaturer	-29-425℃			

主要零件材料 Main Part Material

零件名称 Parts name	材料 Material
阀体 Body	WCB, 304, 316, 316SS, CF8M
蝶板 Disc	WCB, 304, 316, 316SS, CF8M
阀杆 Stem	316, 2Cr13, 1Cr18Ni9Ti
密封圈 Seal ring	316, 氟塑料 Fluorine plastic
填料 Packing	柔性石墨、氟塑料 Flexible graphite, fluorine plastic


主要外形尺寸 Main Outline Dimensions 美标815W系列 API 815W Series 单位Unit:mm

规格 NPS	尺寸(mm) Dimensions									参考重量(kg) Consult wight	
	In	L	L1	H	H0	D	D1	D2	M		
2	43	108	110	345	152	120.5	92	M18	4-19	9	20
3	48	114	125	380	190	152.5	127	M18	4-19	11	29
4	54	127	145	415	229	190.5	157	M18	8-19	13	33
5	57	140	165	455	254	216	186	M20	8-22	16	38
6	57	140	175	545	279	241.5	216	M20	8-22	26	74
8	64	152	210	645	343	298.5	270	M20	8-22	34	86
10	71	165	250	695	406	362	324	M24	12-25	51	142
12	81	178	285	830	483	432	381	M24	12-25	72	167
14	92	190	320	900	533	476	413	M27	12-29	106	218
16	102	216	355	980	597	540	470	M27	16-29	133	275
18	114	222	380	1030	635	578	533	M30	16-32	176	315
20	127	229	415	1110	699	635	584	M30	20-32	190	395
24	154	267	475	1305	813	749.5	692	M33	20-35	394	580
30	165	292	580	1525	985	914	857	M33	28-35	476	717
32	190	318	630	1585	1060	978	914	M39	28-41	618	880
36	203	330	680	1765	1168	1085	1022	M39	32-41	762	1042

注：以上对夹式、对夹凸耳式、法兰式三种，传动方式有手动、蜗轮、气动和电动。用户订货时说明。
 Attention: Above three sorts such as wafer, wafer protruding ears, flange, driving mode such as manual, worm wheel, pneumatic, and electric, user should specify when ordered.

主要外形尺寸 Main Outline Dimensions 美标815L系列 API 815L Series 单位Unit:mm

规格 NPS	尺寸(mm) Dimensions							参考重量(kg) Consult wight	
	In	L	H	H0	D1	D2	M		
6	57	175	545	241.5	216	M20	8-22	28	
8	64	210	615	298.5	270	M20	8-22	36	
10	71	250	695	362	324	M24	12-25	53	
12	81	285	830	432	381	M24	12-25	74	
14	92	320	900	476	413	M27	12-29	110	
16	102	355	980	540	470	M27	16-29	138	
18	114	380	1030	578	533	M30	16-32	180	
20	127	415	1110	635	584	M30	20-32	196	
24	154	475	1305	749.5	692	M33	20-35	400	
30	165	580	1525	914	857	M33	28-35	482	
36	203	680	1765	1085	1022	M39	32-41	488	

主要外形尺寸 Main Outline Dimensions 美标830W系列 API 830W Series 单位Unit:mm

规格 NPS	尺寸(mm) Dimensions									参考重量(kg) Consult wight	
	In	L	L1	H	H0	D	D1	D2	M		
2	43	108	110	345	165	127	92	M18	8-19	9	20
3	48	114	125	380	210	168	127	M20	8-22	12	29
4	54	127	145	415	254	200	157	M20	8-22	13	35
5	59	140	165	455	279	235	186	M20	8-22	18	40
6	59	140	175	545	318	270	216	M20	12-22	28	81
8	73	150	210	645	381	330	270	M24	12-26	37	94
10	83	160	250	695	445	387	324	M27	16-29	56	158
12	92	178	285	830	521	451	381	M30	16-32	79	183
14	117	190	320	900	584	514	413	M30	20-32	116	239
16	133	216	355	980	648	571	470	M33	20-35	146	302
18	149	222	380	1030	711	628	533	M33	24-35	193	346
20	159	229	415	1110	775	686	584	M33	24-35	209	434
24	181	267	475	1305	914	813	692	M39	24-41	433	638
30	181	292	580	1525	1092	997	857	M45	28-49	523	788
36	203	330	680	1765	1270	1168	1022	M50	32-53	838	1146

主要外形尺寸 Main Outline Dimensions 美标830L系列 API 830L Series 单位Unit:mm

规格 NPS	尺寸(mm) Dimensions							参考重量(kg) Consult wight	
	In	L	H	H0	D1	D2	M		
6	59	175	545	270	216	M20	8-22	29	
8	73	210	615	330	270	M20	8-22	38	
10	83	250	695	387	324	M24	12-25	58	
12	92	285	830	451	381	M24	12-25	81	
14	117	320	900	514	413	M27	12-29	119	
16	133	355	980	591	470	M27	12-29	149	
18	149	380	1030	628	533	M30	16-32	198	
20	159	415	1110	686	584	M30	20-32	215	
24	181	475	1305	813	692	M33	20-35	436	
30	181	580	1525	997	857	M33	28-35	526	
36	203	680	1765	1168	1022	M39	32-41	843	

注：以上对夹式、对夹凸耳式、法兰式三种，传动方式有手动、蜗轮、气动和电动。用户订货时说明。
 Attention: Above three sorts such as wafer, wafer protruding ears, flange, driving mode such as manual, worm wheel, pneumatic, and electric, user should specify when ordered.

简介 Brief

本蝶阀适用于石油、化工、食品、医药、造纸、水电、船舶、给排水、冶炼、能源等系统管路上。可在多种腐蚀性、非腐蚀性气体、液体、半流体以及固体粉末管道和容器上作为调节和截流设备使用。特别广泛用于高层建筑消防系统及其它需要显示阀门开关状态的管线系统上。

The valve for the petroleum, chemical, food, medicine, paper, utilities, shipping, water supply and drainage, metallurgy, energy, and the system pipeline. In a variety of corrosive, non-corrosive gas, liquid, semi-fluid and solid powder pipelines and containers and the closure device as a regulator. Especially widely used in high-rise building fire safety systems and other needs to display the state of the pipeline valve switch on the system.

性能规范 Technical Data

公称口径DN(mm)Nominal Diameter	50 (2") - 250 (10")		
公称压力PN(MPa)Nominal Pressure	1.0	1.6	
试验压力 Testing Pressure	壳体 Shell	1.5	2.4
	密封 Sealing	1.1	1.75
适用温度℃ Suitable Temperature	-15~+150		
适用介质 Suitable Mediums	淡水、污水、海水、空气、蒸气、食品、药品等 Fresh water, sewage, water, air, steam, food, medicines, etc.		
微动开关容量 Microswitch capacity	AC 220V 1A DC 30V 0.5A		

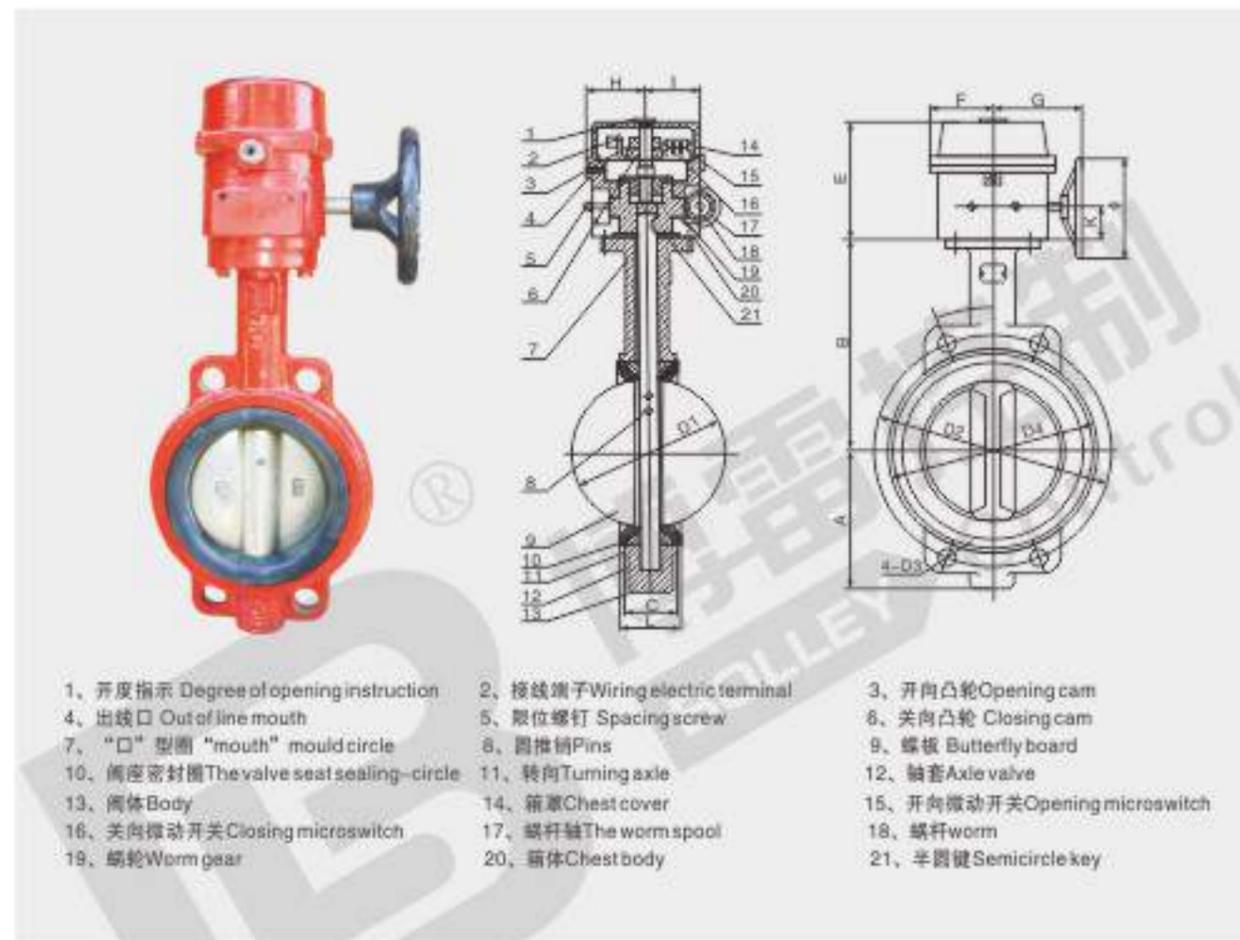
特点 Features

1. 小型轻便、容易拆装及维修，并可在任意位置安装。
 2. 结构简单，紧凑，90度回转后闭迅速。
 3. 操作扭矩小，省力轻巧。
 4. 流量特性趋于直线，调节性能好。
 5. 启闭试验次数多达数千次，寿命长。
 6. 达到完全密封，气体试验泄漏为零。
 7. 选择不同零件材质，可适用多种介质。
 8. 凡使用闸阀、截止阀、旋塞、胶管阀及隔膜阀的管路，特别在高层建筑消防及需显示阀门开关状态的管线系统上，均可用该阀替换。
1. small, lightweight, easy installation and maintenance, and can be installed anywhere.
2. the structure is simple, compact, 90-degree turn off operation.
3. operating torque, energy light.
4. the flow characteristics become linear, regulated performance.
5. the number of trials open and close as many as tens of thousands of times, long life.
6. to completely seal, zero leakage of the gas test.
7. the choice of different parts materials, applicable to a variety of media.
8. Where the use of gate valves, globe valves, cocks, valves and diaphragm hose pipes, particularly in high-rise building fire and the need to show off status of the valve on the pipeline system, can be replaced with the valve.

工作原理 The Work Principle

1. 本信号蝶阀由蜗轮蜗杆传动装置驱动轴及蝶板旋转实现启闭和控制流量。
 2. 旋转蜗轮蜗杆传动装置于轴，使蝶板达到启闭及调节流量目的，手轮顺时针方向转为阀门关闭。
 3. 蜗轮蜗杆传动装置箱体内设置微动开关有两种型式
- (1) 在传动装置箱体内设有开向、关向两微动开关，分别在阀门全开和关闭时动作，接通控制室“阀开”“阀关”指示灯电源，使之准确显示阀门开关状态。
- (2) 在传动装置箱体内只设关向微动开关(蝶板全关闭位置为0°)当蝶板由0~40°位置时微动开关动作，输出阀门关闭信号，40~90°位置时另一对常闭触点可输出阀门打开信号。可调整压动微动开关的凸轮，显示蝶板所处的不同位置。
1. the signal valve gear by the worm drive shaft and the rotating disc to achieve open and close, and control traffic.
2. rotating the handwheel worm gear so that the butterfly plate to open and close and regulate the flow purposes, the hand wheel clockwise into the valve closed.
3. set the worm gear cabinets, there are two types of micro-switches
- (1) has opened in the transmission to the cabinets, close to the two micro-switches, respectively, when the valve is fully open and close the action, connected to the control room "valve open", "valve off" light power, so that accurate show the valve switching state.
(2) in the transmission cabinets located just off the micro switch (disc full closed position to 0°) 0~40° when the butterfly plate position by the micro switch operation, the output signal, 40~90 degrees position, another pair of normally closed output valve open signal. Micro-Touch Adjustable pressure switch action cam, which shows the different disc positions.

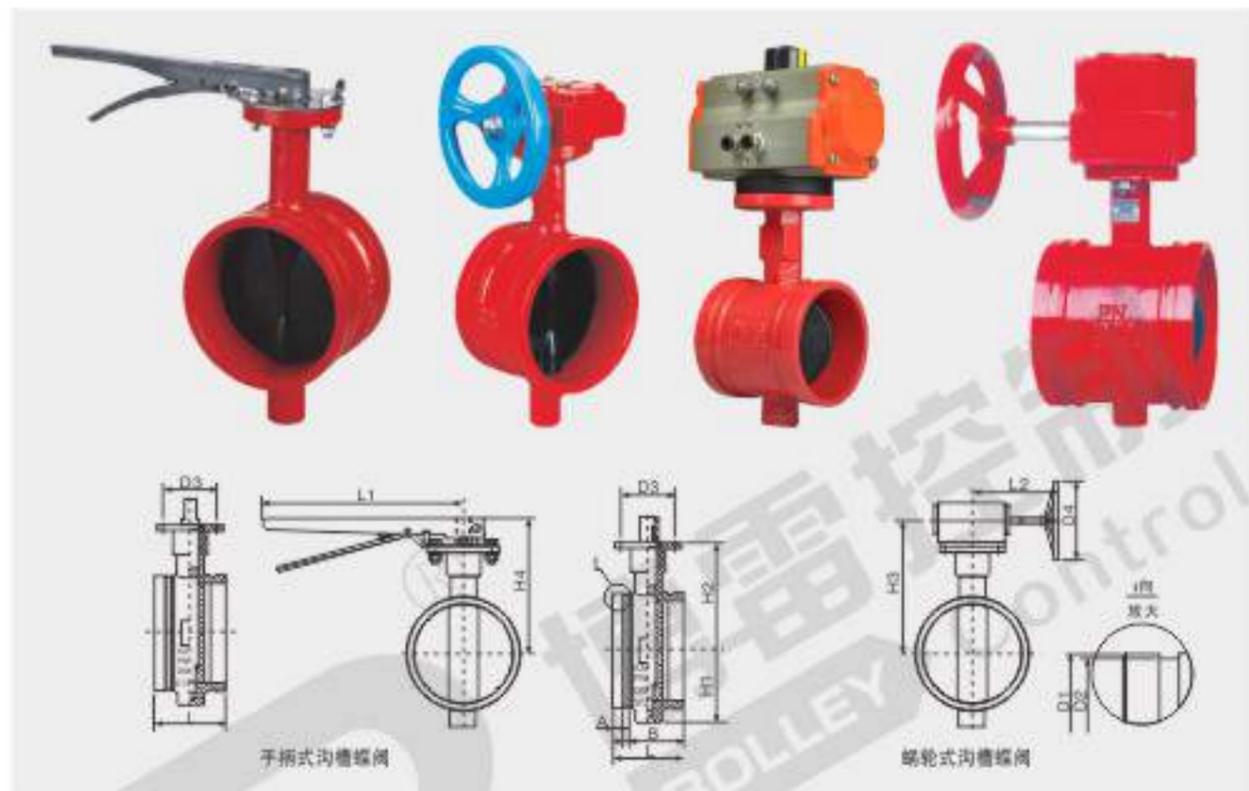
"A"型消防信号蝶阀外型尺寸, 连接尺寸和重量 "A" Fire Signal butterfly valve type Overall Dimensions, Connecting Dimensions And Weight



1. 开度指示 Degree of opening instruction
2. 接线端子 Wiring electric terminal
3. 开向凸轮 Opening cam
4. 出线口 Out of line mouth
5. 限位螺钉 Spacing screw
6. 关向凸轮 Closing cam
7. "口"型圈 "mouth" mould circle
8. 圆推销 Pins
9. 蝶板 Butterfly board
10. 阀座密封圈 The valve seat sealing-circle
11. 转向 Turning axle
12. 轴套 Axle valve
13. 阀体 Body
14. 箱盖 Chest cover
15. 开向微动开关 Opening microswitch
16. 关向微动开关 Closing microswitch
17. 蜗杆轴 The worm spool
18. 蜗杆 worm
19. 蜗轮 Worm gear
20. 箱体 Chest body
21. 半圆键 Semicircle key

公称口径 Nominal diameter DN	尺寸 Size (mm)																重量 weight (kg)	
	A	B	C	D1	D2	D3	D4	E	F	G	H	I	K	L	φ	α°		
	XD37 A1X-1.0/1.6																	
50	2"	80	161	42	52.9	120	23	100	150	60	103	75	41	35	45	150	45	8
65	2.5"	89	175	44.7	64.5	136.2	26.5	120	150	60	103	75	41	35	47.6	150	45	8.7
80	3"	95	181	45.2	78.8	160	18	127	150	60	103	75	41	35	49	150	22.5	9.1
100	4"	114	200	52.1	104	185	24.5	156	150	60	103	75	41	35	54.7	150	22.5	10.4
125	5"	127	213	54.4	123.3	215	23	190	150	60	103	75	41	35	58	150	22.5	12.5
150	6"	139	226	55.8	155.6	238	25	212	150	60	103	75	41	35	58.6	150	22.5	13.3
200	8"	175	260	60.6	202.5	295	25/23	268	150	60	127	85	63	40	63.4	200	22.5/15	22.2
250	10"	203	292	65.6	250.5	357	29	325	150	60	127	85	63	40	70	200	15	28.2

注Note: 3"另有4孔符合JB78-59标准, Pg=10kgf/cm平方, D2=160, D3=18, α=45°
3" have that 4 holes in addition fit the JB78-59 standards. Pg=10kgf/cm平方, D2=160, D3=18, α=45°


产品概述

沟槽式(卡箍)蝶阀是一种新型连接方式之蝶阀,它具有安装简易、省材、快速、节省空间等优点,广泛适用于市政、民建、工业等给排水及消防系统。
 Groove (clamp) butterfly valve is a new type of connection butterfly valve, which has the advantages of simple installation, material saving, fast, space saving and so on water supply and drainage and fire control system.

技术参数 Technical Parameters

公称通径 Nominal Diameter	DN50-DN200	
公称压力 Nominal Pressure	1.0/1.6MPa	
壳体试验压力 Shell Testing Pressure	1.5/2.4MPa	
密封试验压力 Sealing Testing Pressure	1.1/1.76MPa	
标准材料 Standard material	阀体 Body	QT450-10
	蝶板 Dish plate	QT450-10 整体包胶橡胶 whole package for rubber
	阀杆 Stem	2Cr13
表面处理 Surface treatment	环氧树脂涂层或喷塑 Epoxy resin paint coating or spray with enamel	

主要外形连接尺寸 Main Outline Dimensions

单位: mm

口径 Bore	L	H1	H2	H3	H4	A	B	D1	D2	D3	D4	L1	L2	沟槽型式 Groove type					
50	85	45	90	130	125	16	8	57	53.9	50(F05)	150	250	150	X					
								60.3	57.2	50(F05)				Y					
80	98	65	112	152	147			8	88.9	85				50(F05)	150	250	150	X	
									108	103.7				70(F07)				X	
100	116	79	121	161	156		16	9.5	114.3	110.1	70(F07)	150	250	150	Y				
									133	129.1	70(F07)				X				
125	149	93	148	188	183		16		9.5	139.7	135.5				70(F07)	150	268	150	Y
										141.3	137				70(F07)				Z
150	149	106	156	191	196	16	9.5	159		154.5	102(F10)	220	268	190	X				
								165.1		160.8	102(F10)				Y				
200	134	137	205	254.5	-	19		11.1	168.3	164	102(F10)				300	-	240	Z	
									219.1	214.4	102(F10)							X	


水力控制阀系列
 Hydraulic Control Valves Series

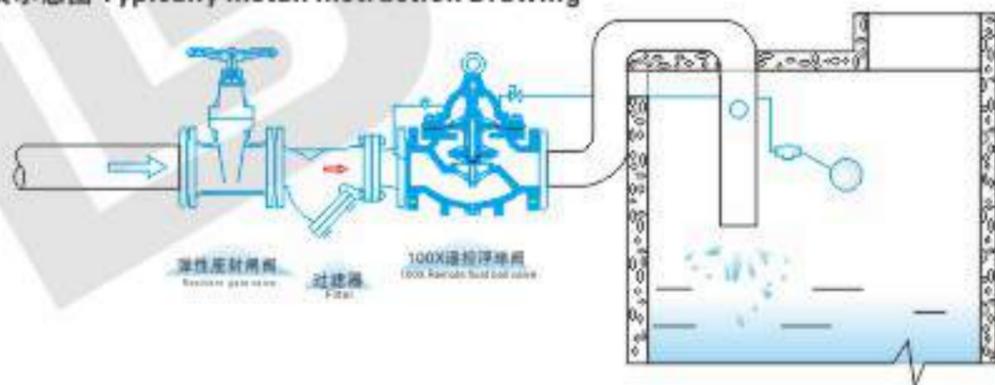
□ 产品概述 Product Description

100X隔膜式遥控浮球阀是兼具多种功能的水力操作式阀门。主要安装于水池或高架水塔的进水口处，当水位达到设定的高度时，主阀由浮球导阀控制关闭进水口停止供水；当水位下降后，主阀由浮球开关控制打开进水口向水池注水，实现自动补水。液位控制精确，不受水压干扰；100X隔膜式遥控浮球阀可随水池的高度及使用空间任意位置安装，维护、调试、检查方便、密封可靠，使用寿命长。隔膜式阀门性能可靠、强度高、动作灵活，适用于DN450mm口径以下的管道。DN500mm口径以上的建议使用活塞式。

100X model diaphragm remote float ball valve is hydraulic operated valve with many types function. Mainly installed on water inlet of pool or high plat water tower when water line achieve settled height, main valve controlled by ball float pilot valve to close water inlet. When water line drop, main valve controlled by ball float switch to open inlet inject water to pool, achieve auto water supply. Liquid level control accurately, don't impacted by water pressure; 100X model diaphragm remote float ball valve can be installed, maintenance, debug according to height of pool and free position of space, easy check, reliable sealing, long life span. Diaphragm type valve have reliable performance, high intensity, sensitive action, adapt to pipelike size smaller than DN450. we advise use piston type for size larger than DN500mm.



□ 典型安装示意图 Typically Install Instruction Drawing



□ 主要外形连接尺寸 Main Outline Dimensions

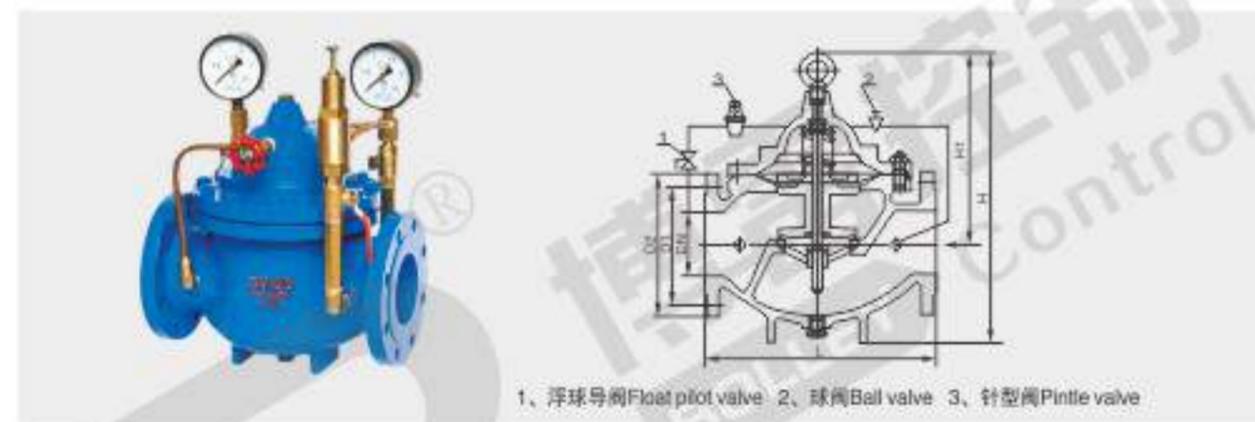
单位Unit: mm

DN	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450
L	150	160	180	200	203	216	241	292	330	356	495	622	698	787	914	978
H1	179	179	179	210	210	215	245	305	365	415	510	560	658	696	735	735
H	212	212	212	265	265	310	350	460	520	570	840	890	1030	1090	1150	1150

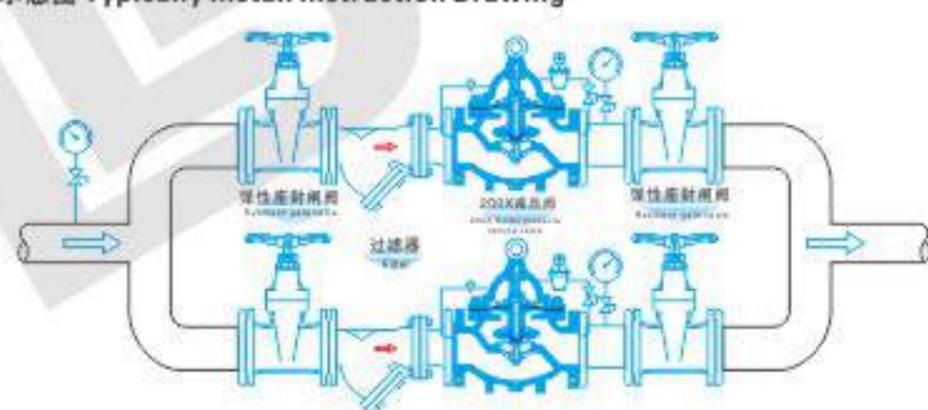
□ 产品概述 Product Description

200X减压阀，是一种利用介质自身能量来调节与控制管路压力的智能型阀门。200X减压阀用于生活给水、消防给水及其他工业给水系统，通过调节减压导阀，即可调节主阀的出口压力。出口压力不因进口压力、进口流量的变化而变化，安全可靠地将出口压力维持在设定值上，并可根据需要调节设定值以达到减压目的。该阀减压精确，性能稳定、安全可靠、安装调节方便，使用寿命长。

200X model pressure reduce valve, is a digital valve regulated by fluid itself and control pipeline pressure. 200X model pressure reduce valve is used for water supply, fire control water supply and other industrial water supply system, use pressure reduce and regulate pilot valve, can regulate outlet pressure of main valve. Outlet pressure not changed due to change of inlet pressure, inlet flow rate, safe and reliable keep outlet pressure on set value, and can achieve aim of pressure reduce according to regulated set value. This valve pressure reduce accurately, performance smooth, safe and reliable, easy install and regulation, long life span.



□ 典型安装示意图 Typically Install Instruction Drawing



□ 主要外形连接尺寸 Main Outline Dimensions

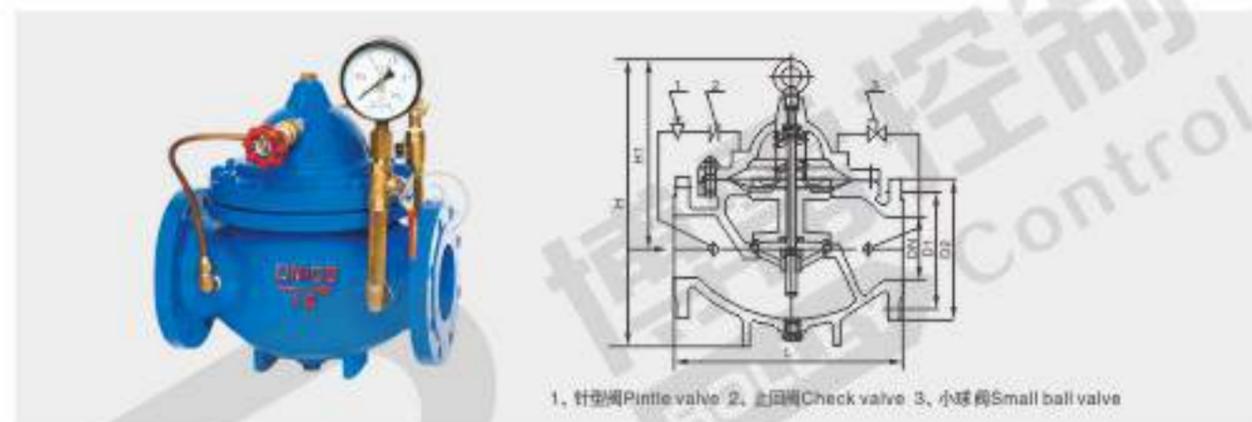
单位Unit: mm

DN	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450
L	150	160	180	200	203	216	241	292	330	356	495	622	698	787	914	978
H1	179	179	179	210	210	215	245	305	365	415	510	560	658	696	735	735
H	342	342	342	395	395	405	430	510	560	585	675	730	760	840	910	910

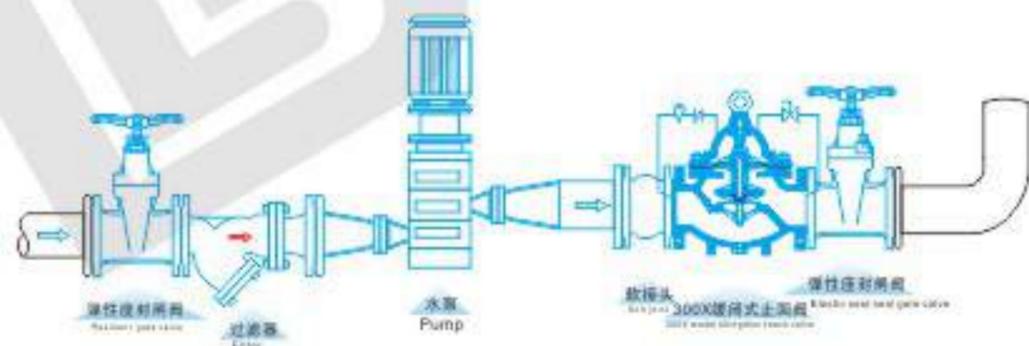
产品概述 Product Description

300X缓闭式止回阀是安装在高层建筑给水系统以及其他给水系统的水泵出口处,防止介质倒流、水锤及水击现象的智能型阀门。该阀兼具电动阀、逆止阀和水锤消除器三种功能,可有效地提高供水系统的安全可靠性。并将缓开、速闭、缓闭消除水锤的技术原理一体化,防止开泵水锤和停泵水锤的产生。只需操作水泵电机启闭按钮,阀门即可按照水泵操作规程自动实现启闭,流量大、压力损失小。适用于DN600mm口径以下的阀门。

300X model tilting disc check valve is a intelligent valve which installed on pump outlet of high-rise building water supply system and other water supply systems, to avoid fluid flow backwards, counter weight and water hammer. This valve have electric actuated valve, check valve and water hammer remove device three function, can effectively increase safe reliability of water supply system. And make technical principle integration of slow open, quick close and slow remove counter weight, to avoid open pump and close pump counter weight happen. Only need operate pump motor open/close button, then valve can auto open/close according to pump operation spec, large flow rate, little pressure loss. Suitable for valve size smaller than DN600mm.



典型安装示意图 Typically Install Instruction Drawing



主要外形连接尺寸 Main Outline Dimensions

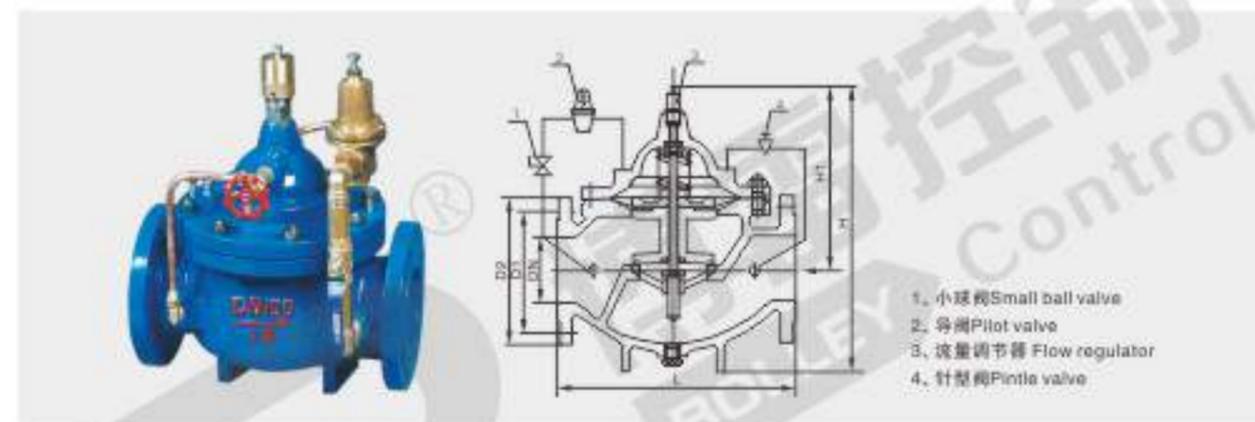
单位Unit: mm

DN	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450
L	150	160	180	200	203	216	241	292	330	356	495	622	698	787	914	978
H1	106	106	106	137	137	145	178	232	286	318	413	502	600	638	677	677
H	172	172	172	225	225	270	289	375	420	570	722	769	906	1025	1027	1027

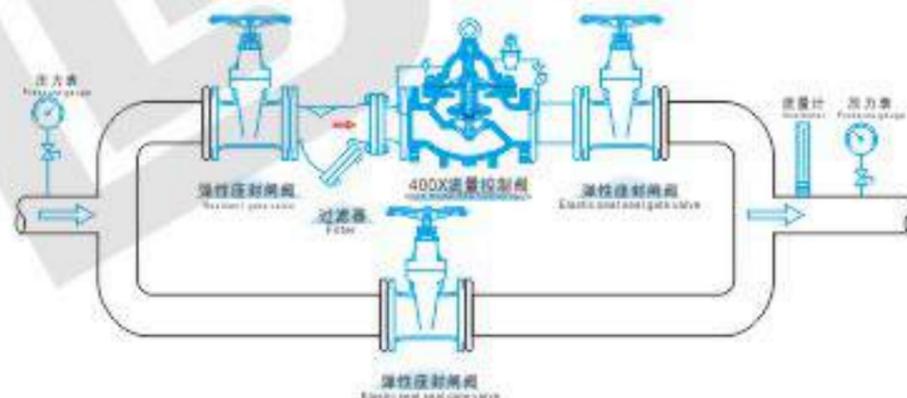
产品概述 Product Description

400X流量控制阀,是一种采用高精度先导式方式控制流量的多功能阀门。适用于配水管需控制流量和压力的管路中,保持预定流量不变,将过大流量限制在一个预定值,并将上游高压适当减低,即使主阀上游的压力发生变化,也不会影响主阀下游的流量。该阀一改常规节流阀使用孔板或纯机械地减小流通面积的原理,利用相关先导,最大限度地减少能量在节流过程中的损失。如遇紧急情况400X流量控制阀可以完全截止流量,避免损失。控制灵敏度,安全可靠,调试简便,使用寿命长。

400X model flow control valve, is a multi function valve which use high accurate pilot way control flow. Suitable for pipeline need control flow and pressure, keep preset flow unchanged, let super large flow rate limited at a preset value, and properly reduce upstream high pressure, even if pressure of main valve upstream changed, won't effect flow rate of main valve downstream. This valve is different from normal choke valve whose principle is use plate hole or pure mechanical reduce flow area, use relate pilot valve, max. reduce energy loss in the process of throttle. If meet emergency situation, 400X model flow control valve can competely block flow, avoid loss. High control sensitivity, safe reliability, easy debug, long life span.



典型安装示意图 Typically Install Instruction Drawing



主要外形连接尺寸 Main Outline Dimensions

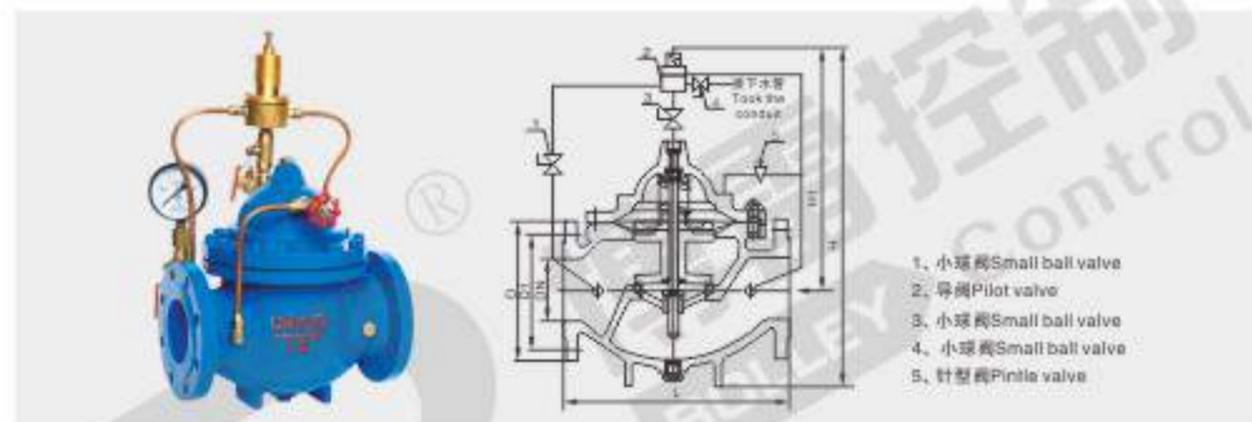
单位Unit: mm

DN	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450
L	150	160	180	200	203	216	241	292	330	356	495	622	698	787	914	978
H1	247	247	247	278	278	298	313	350	365	420	450	470	490	526	570	570
H	342	342	342	395	395	405	430	510	560	585	675	730	760	840	910	910

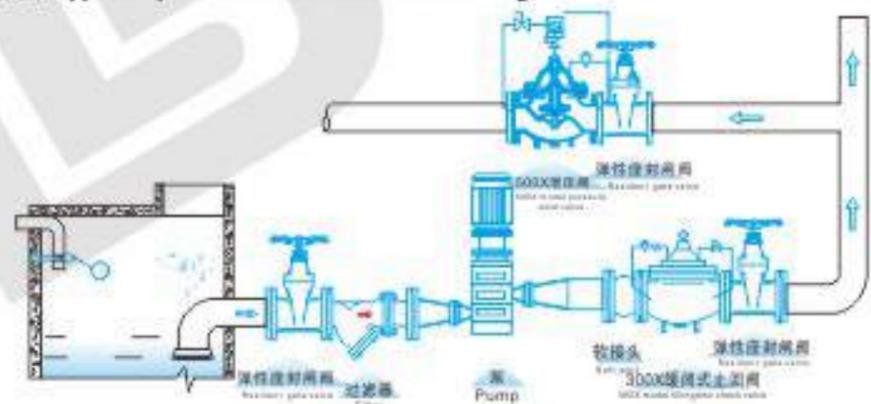
产品概述 Product Description

500X泄压/持压阀主要用于消防或其他供水系统中，以防止系统超压或维持消防供水系统的压力。消防泵关闭后还可以减小水锤的冲击。也用于大型供水系统的水锤消除装置。并且阀门控制系统的进口处装有一个自清洗滤网，利用流体特性，使比重较大、直径较大的悬浮颗粒不会进入控制系统，确保系统循环畅通无阻，使阀门能安全可靠地运行。系统动作平稳、强度高、使用寿命长。适用于DN600mm口径以下的管道。

500X model pressure relief/keep valve mainly used for fire control or other water supply systems, to avoid system over pressure or keep pressure for fire control water supply system. Also can reduce impact from counter weight after fire pump closed. Also used for counter weight remove device of large water supply system. And the valve control system inlet have auto clean strainer, according to fluid character, let big specific gravity, big diameter grain don't into control system, ensure system circle freely, valve work safety and reliability. System action smoothly, high strength, long life span. Suitable for size smaller than DN600mm.



典型安装示意图 Typically Install Instruction Drawing



主要外形连接尺寸 Main Outline Dimensions

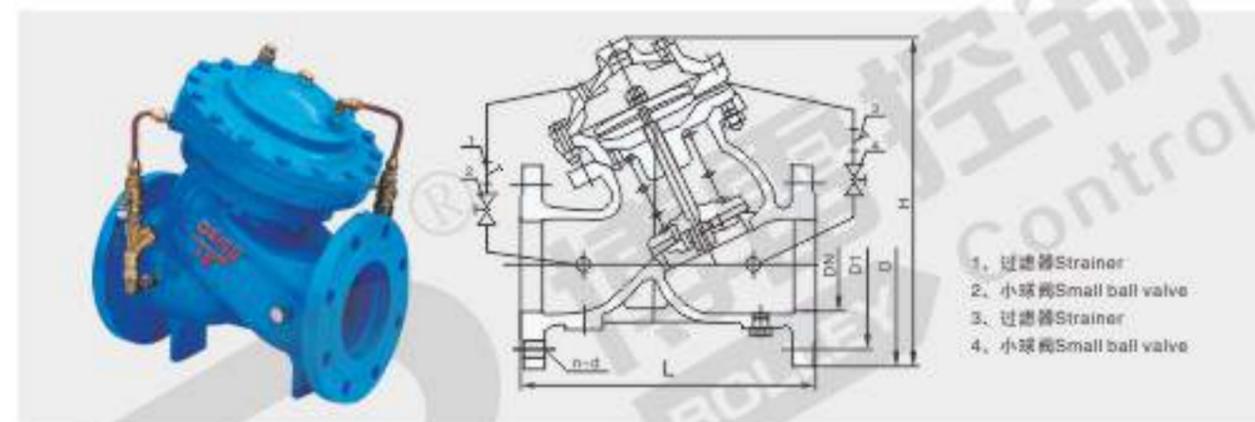
单位Unit: mm

DN	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450
L	150	160	180	200	203	216	241	292	330	356	495	622	698	787	914	978
H1	463	463	463	516	516	520	537	596	653	709	805	855	953	990	1030	1030
H	557	557	557	610	610	625	642	750	808	864	1135	1185	1325	1385	1445	1445

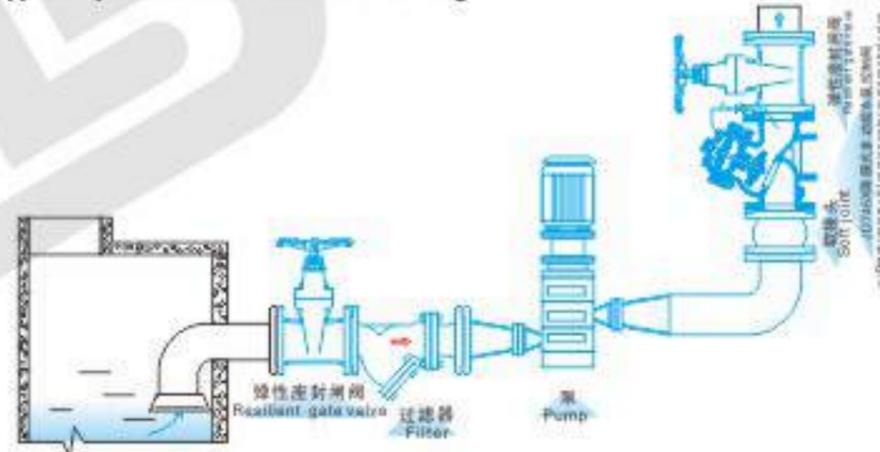
产品概述 Product Description

JD745X隔膜式多功能水泵控制阀是安装在高层建筑给水系统以及其他给水系统的水泵出口处，防止介质倒流、水锤及水击现象的智能型阀门。该阀兼具电动阀、逆止阀和水锤消除器三种功能，可有效地提高供水系统的安全可靠性。并将缓开、速闭、缓闭消除水锤的技术原理一体化，防止开泵水锤和停泵水锤的产生。只需操作水泵电机启闭按钮，阀门即可按照水泵操作规程自动实现启闭，流量大、压力损失小。隔膜式适用于DN600mm口径以下的阀门。

JD745X Diaphragm multi function water pump control valve is a intelligent valve which installed on water pump outlet of high-rise construction water supply system and other water supply system, avoid fluid return and water hammer. This valve have electric valve, check valve and water hammer remove device three function, can effective increase safety of water supply system. And make slow open, quick close, slow close remove water hammer technology integrated, avoid water hammer happen when open and close pump. Only need to operate water pump open/close button, then valve can auto open/close according to water pump operation spec, large flow rate, low pressure loss. Diaphragm type is suitable for valve size smaller than DN600mm.



典型安装示意图 Typically Install Instruction Drawing



主要外形连接尺寸 Main Outline Dimensions

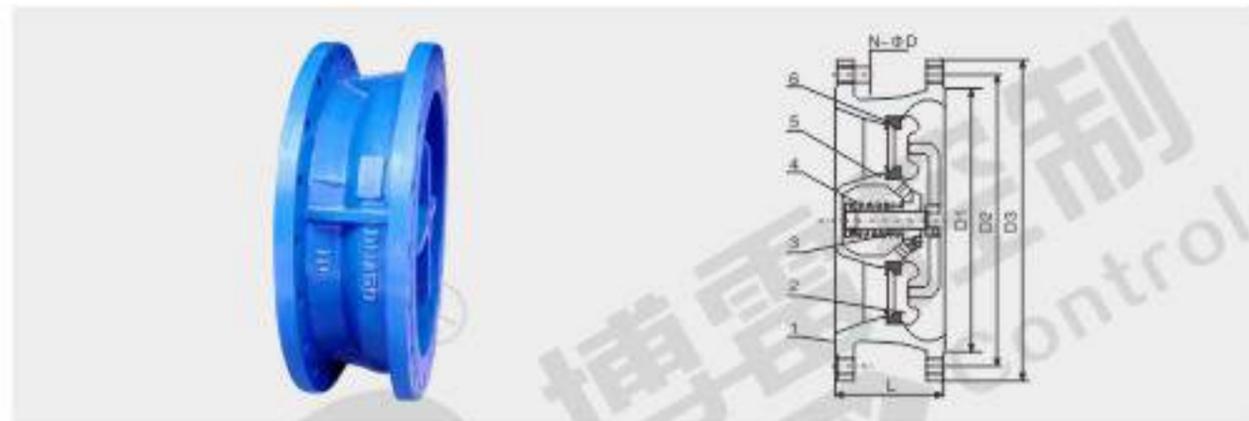
单位Unit: mm

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	1200
L	203	216	241	292	330	356	457	533	610	686	762	864	914	1067	1300	1450	1650	1800	2000
H	293	328	364	418	481	543	673	729	927	957	1188	1218	1256	1600	1800	1870	1980	2300	2600

产品概述 Product Description

CVKR静音止回阀采用符合水力学的轮廓设计, 取得最佳的流线型水路, 内部附有导流体的设计能保证最小的压力损失。静音式止回阀安装于水泵出水口处, 可在水流倒流前先行快速关闭, 避免产生水锤、水击声和破坏性冲击, 以达到静音、防止倒流和保护设备的目的。广泛用于给排水、消防、暖通、工业等系统。

CVKR silence check valve use hydraulics profile design, have good streamline water trace, inside valve have pilot fluid design can ensure min. pressure loss. Silence check valve installed water pump outlet, can fast close before water return, to avoid water hammer happen, and destructive impact, to achieve avoid fluid return and protect device. Widely used for drain water, fire control, construction, HAV, industrial system.



主要技术参数 The Main Technical Parameters

公称直径 Nominal Diameter	DN1300-600mm
公称压力 Nominal pressure	1.0-1.6-2.5MPa
工作温度 Working temperature	0℃-80℃
密封试验 Sealing test	1.1倍公称压力 1.1Times Nominal pressure
壳体试验 Shell test	1.5倍公称压力 1.5Times Nominal pressure

材质说明 Material Explanation

序号 Number	零件名称 Part name	材质 Material
1	阀体 Body	GG25
2	阀盘 Disc	QA19-4
3	轴承 Bearing	QA19-4
4	弹簧 Spring	SUS316
5	导流体 Diffuser	GG25
6	阀座 Seat	QA19-4

主要外形连接尺寸 Main Outline Dimensions

单位 Unit: mm

型号 Type	公称直径 Nominal diameter	D1		D2		D3		N-ΦD		L
		1.0Mpa	1.6Mpa	1.0Mpa	1.6Mpa	1.0Mpa	1.6Mpa	1.0Mpa	1.6Mpa	
CVKR-0300	DN300	370	400	410	460	12-13	12-28	171		
CVKR-0350	DN350	429	460	470	520	16-23	16-28	184		
CVKR-0400	DN400	480	515	525	580	16-28	16-31	191		
CVKR-0450	DN450	530	565	585	640	20-28	20-31	203		
CVKR-0500	DN500	582	620	650	715	20-28	20-34	219		
CVKR-0600	DN600	682	725	770	810	20-31	20-37	222		
CVKR-0700	DN700	794	840	840	895	24-31	24-37	280		
CVKR-0800	DN800	901	950	950	1015	24-34	24-40	356		
CVKR-0900	DN900	1001	1050	1050	1125	28-40	28-40	368		
CVKR-1000	DN1000	1112	1160	1170	1230	28-43	28-43	432		
CVKR-1200	DN1200	1328	1380	1390	1455	32-49	32-49	524		

产品概述 Product Description

DRVZ(H42X)静音式止回阀主要由阀体、阀座、导流体、阀瓣、轴承及弹簧等主要零件组成, 内部流道采用流线型设计, 压力损失很小。阀瓣启闭行程很短, 停泵时可快速关闭, 防止巨大的水锤声, 具有静音关闭的特点。

该阀主要用于给排水、消防、暖通系统, 可安装于水泵出水口处, 以防止倒流及水锤对泵的伤害。

DRVZ(H42X) model silence type check valve is made up of body, seat, fluid pilot, disc, bearing and spring etc. main parts, inside channel use streamline design, very low pressure loss. Disc close travel is very short, can quick close when pump stop, avoid huge water hammer sound, have silence close character.

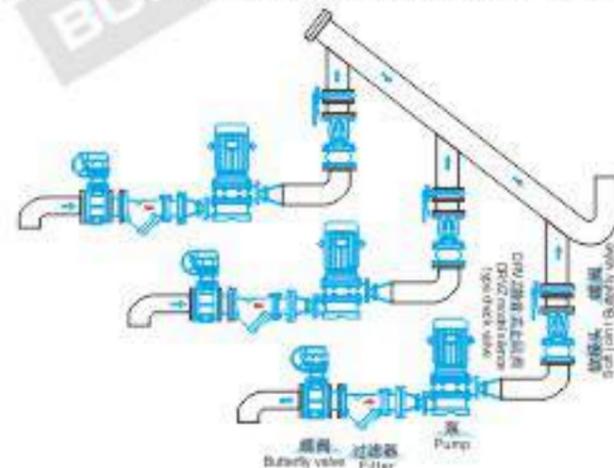


主要技术参数 The Main Technical Parameters

公称压力: 1.0-2.5MPa
公称直径: 50-350mm
适用介质: 水、油品、海水、污水
适用温度: 0-80℃
法兰标准: GB/T 17241.6 GB/T 9113
试验标准: GB/T 13927 API 598

Nominal pressure: 1.0-2.5MPa
Nominal diameter: 50-350mm
Suitable medium: water, oil, sea water, sewage
Applicable temperature: 0-80℃
Flange standard: GB/T 17241.6 GB/T 9113
Test standard: GB/T 13927 API 598

典型安装示意图 Typical Installation Drawing



主要零件材料 Main Part Material

阀体、导流体 Body, Diversion Body	阀座、轴承、阀瓣、轴 Seat, Bearing, Disc, Shaft	弹簧 Spring
铸铁、球墨铸铁、碳钢、不锈钢 Cast iron, Nodular Cast iron, Carbon Steel, SS	铝青铜或铭不锈钢 Aluminum bronze or Incription SS	不锈钢 SS

主要外形连接尺寸 Main Outline Dimensions

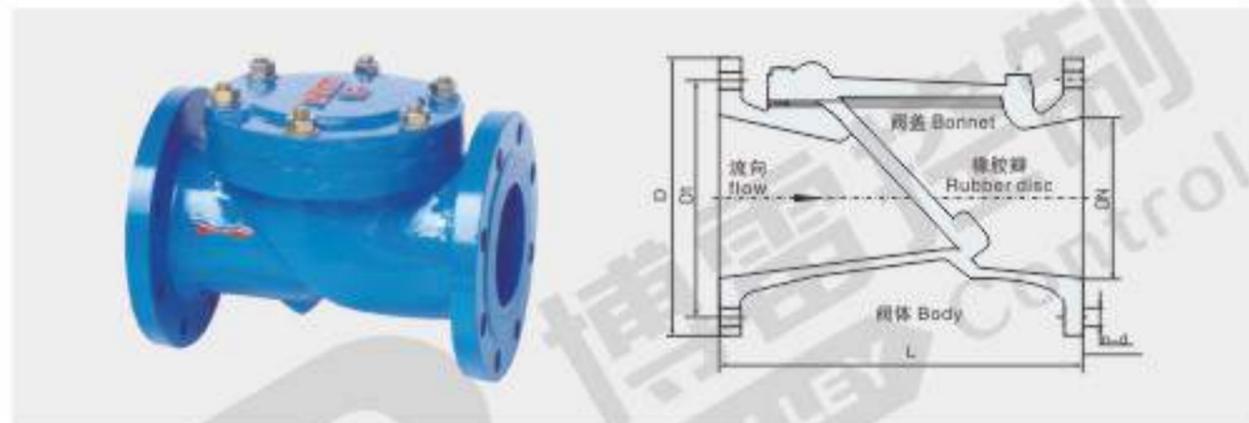
单位 Unit: mm

DN	40	50	65	80	100	125	150	200	250	300	350
L	110	120	150	180	229	254	267	292	330	356	381

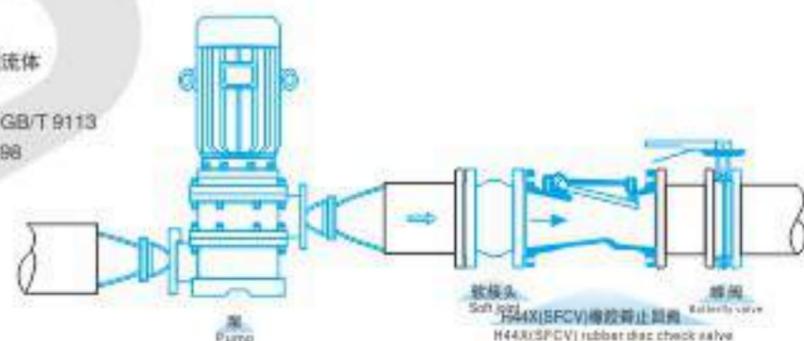
产品概述 Product Description

H44X(SFCV)橡胶瓣止回阀主要由阀体、阀盖及橡胶瓣三种主要零件组成。其中橡胶瓣由钢板、钢棒及强化训练尼龙布做衬底，外层包覆橡胶制成，阀瓣开关寿命可达100万次。该阀采用全流面积式设计，具有水头损失小，不易堆积杂物，维修简便等特性。该阀主要适用于给排水系统，可安装于水泵出水口处，以防止倒流及水锤对泵损害。该阀还可安装在蓄水池进出水管的旁通管上，以防止池水倒流至给水系统中。

H44X(SFCV) rubber disc check valve is mainly made up of body, bonnet and rubber disc three main parts. The rubber disc is use steel plate, steel bar and strengthen Nylon cloth as supporting base, outside lined rubber, disc open/close life span can achieve 1 million times. This valve use full port area design, have little water head loss, not easy pile sundries, easy maintenance etc. characters. This valve is mainly suitable for water supply system, can be installed on water pump outlet, to avoid fluid backwards and water hammer damage to pump. This valve also can be installed on by pass pipe of pool's inlet and outlet, to avoid pool water backwards into water supply system.


主要技术参数 The Main Technical Parameters

公称压力Nominal pressure: 1.0~1.6MPa
 公称口径Nominal diameter: 50~800mm
 适用介质Applicable medium: 水及弱腐蚀性流体
 适用温度Applicable temperature: 0~80℃
 法兰标准Flange standards: GB/T 17241.6 GB/T 9113
 试验标准Test standard: GB/T 13927 API 598

典型安装示意图 Typically Install Instruction Drawing

主要零件材料 Main Part Material

零件名称 Part name	阀体 Body	阀盖 Bonnet	阀瓣 Disc
材料 Material	铸铁、铸钢 Cast Iron, Cast Steel	铸铁、铸钢 Cast Iron, Cast Steel	钢材+强化尼龙布 Steel+reinforced nylon cloth

主要外形连接尺寸 Main Outline Dimensions

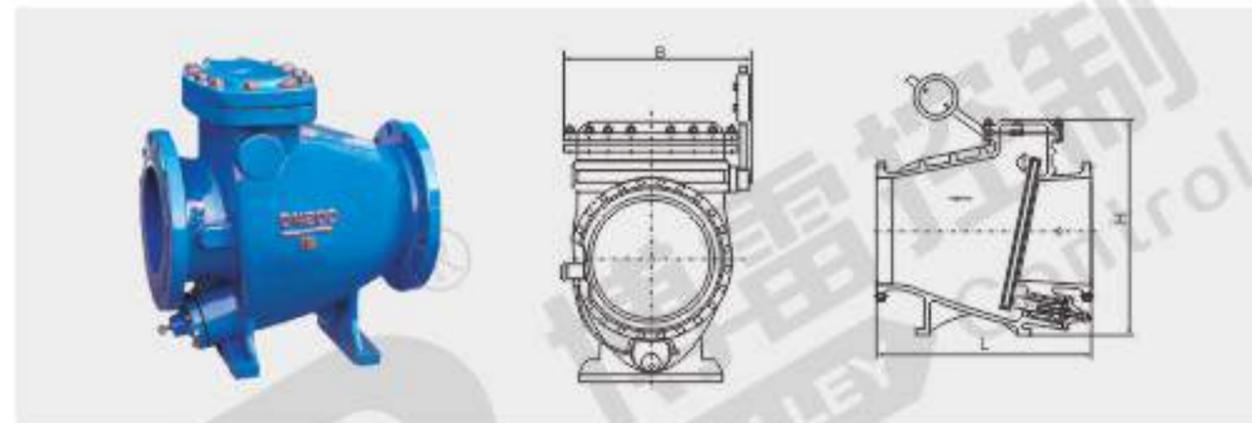
单位Unit: mm

DN	50	65	80	100	150	200	250	300	350	400	450	500	600
L	203	216	241	292	356	495	622	698	787	914	978	978	1295

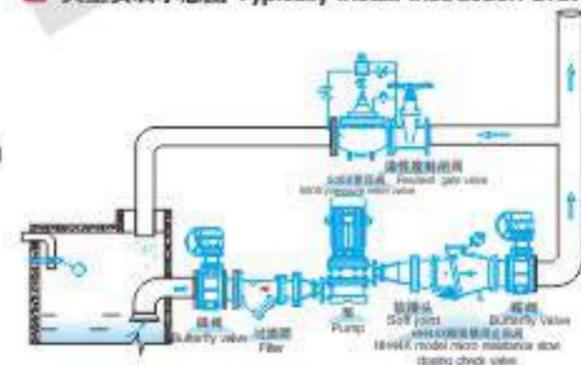
产品概述 Product Description

HH44T/X/H 微阻缓闭止回阀用于给排水管道，安装在水泵出口处再来防止介质逆流和消除破坏性水锤，并能有效地减少阀门关闭水锤压力，可保障管网安全运行。它具有阀瓣轻、开度大、节电效果显著，流体阻力小，水锤消除机构设计新颖，密封性能稳定可靠，耐磨损、使用寿命长、运行平稳、无振动、无噪声等特点。

HH44T/X/H model micro resistance slow closing check valve is used for drain water pipeline, is installed on water pump outlet to avoid fluid backwards and remove destructive water hammer, and can effective reduce valve close water hammer pressure, can ensure pipeline work safety. It have characters of light disc, big open position, good save electric power, low fluid resistance, new water hammer remove structure, steady sealing performance, wear well, long life span, smooth working, without vibration, without noise etc.


主要技术参数 The Main Technical Parameters

公称压力Nominal pressure: 1.0~2.5MPa
 公称口径Nominal diameter: 40~800mm
 适用介质Applicable medium: 水及弱腐蚀性流体
 适用温度Applicable temperature: 0~80℃ (如需, 可达200℃)
 法兰标准Flange standards: GB/T 17241.6 GB/T 9113
 试验标准Test standard: GB/T 13927 API 598

典型安装示意图 Typically Install Instruction Drawing

主要零件材料 Main Part Material

零件名称 Part name	阀体、阀盖 Body, Bonnet	阀瓣 Disc	阀轴 Shaft
材料 Material	灰铸铁、铸钢 Gray Cast iron, Cast Steel	钢板、橡胶组合件 Steel plate, rubber discreteness	不锈钢SS

主要外形连接尺寸 Main Outline Dimensions

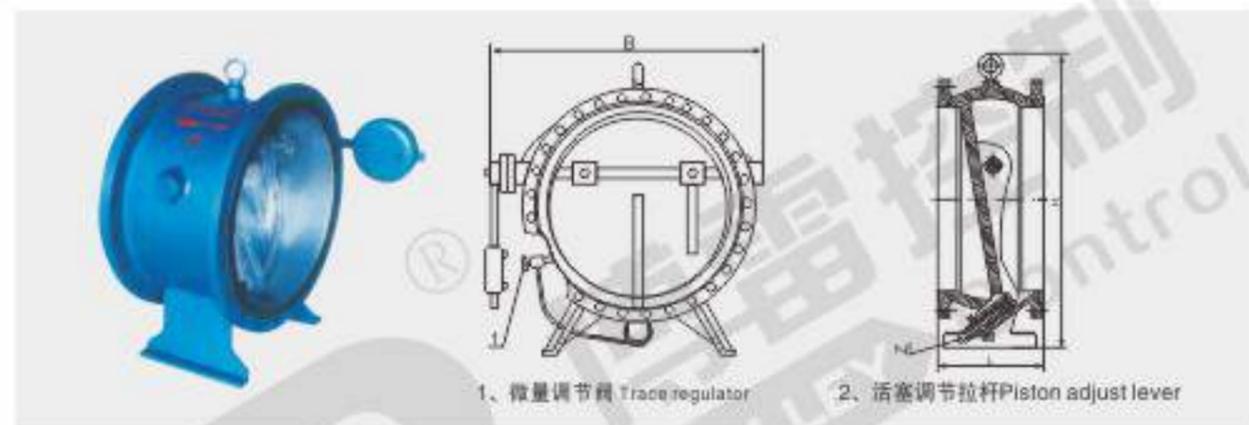
单位Unit: mm

DN (mm)	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800
L	200	230	290	310	350	400	480	500	600	700	800	900	1000	1100	1300	1400	1500
H	300	300	320	354	350	380	500	580	670	730	820	920	950	1100	1200	1550	1700
B	220	270	290	300	320	340	410	450	550	580	630	700	800	900	990	1120	1300

产品概述 Product Description

DHH44X/H-10/16微阻缓闭止回阀主要用于工业、城市给排水管道和高层住宅、高级宾馆、加压输水泵的出口处。在设计上充分考虑了使用环境的要求，采用斜板式结构，达到目的无震动、无噪音、运行平稳、确保宾馆、住宅环境安静，并具有节能的效果。用缓慢关闭的方式使局部倒流水向系统内泄流，从而大大降低了停泵倒流的水压冲击力，消除了破坏性水锤峰值的产生，截流密封采用了丁腈橡胶，密封性能好，减震耐磨、使用寿命长、维护方便等特点。

DHH44X/H-10/16 micro slow closing check valve mainly used for outlet of industry, city drainage pipeline and high-rise construction, advanced hotel, compression water pump. Fully consider the requirements of environment on design, use tilting disc structure, so achieve no shake, no noise, working smoothly, ensure hotel, house have quiet environment, and save energy. It can make part backward fluid drain to inside system by slow closing, so that greatly reduce pressure impact from stop pump backwards fluid, remove destructive water hammer, NBR seat, have characters of good sealing performance, reduce shake and wear well, long life span, easy maintenance etc.



主要技术参数 The Main Technical Parameters

公称压力Nominal pressure: 1.0-1.6MPa
公称口径Nominal diameter: 200-2000mm
适用介质Applicable medium: 水、油品、海水、污水
Water, oil, water, sewage
适用温度Applicable temperature: 0-80℃
法兰标准Flange standards: GB/T 17241.6 GB/T 9113
试验标准Test standard: GB/T 13927 API 598



主要零件材料 Main Part Material

零件名称 Part name	阀体 Body	蝶板 Disc	密封圈 Sealing ring	阀杆 Stem	缓冲油缸 Buffer oil cylinder
材质 Material	灰铸铁、碳钢 Gray Cast Iron, Carbon steel	铜制、不锈钢 Copper casting, SS	丁腈橡胶 NBR	不锈钢SS	不锈钢SS

主要外形连接尺寸 Main Outline Dimensions

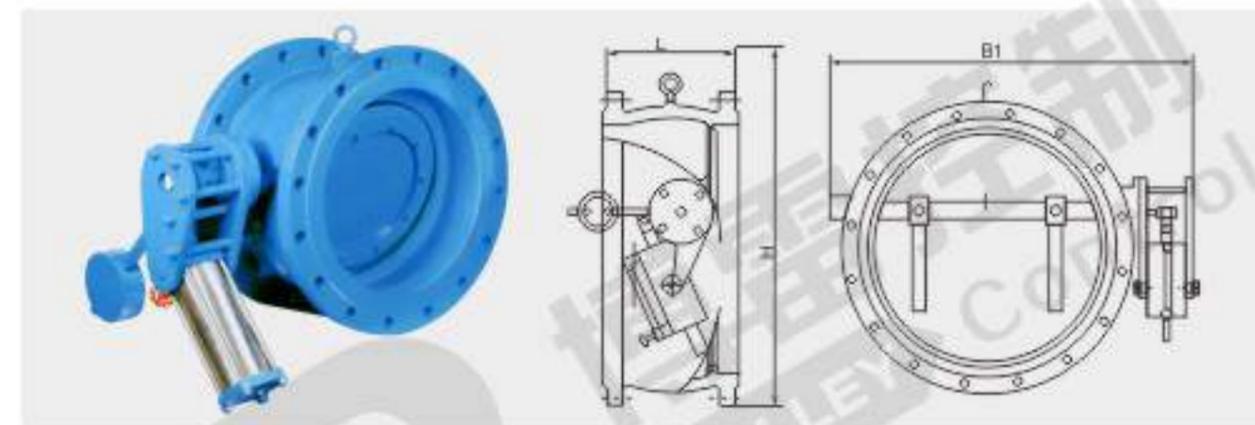
单位Unit: mm

DN	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400	1600	2000
L	230	250	270	290	310	330	350	390	430	470	510	550	630	710	790	950
H	550	630	690	780	860	910	980	1070	1220	1320	1430	1550	1800	1980	2150	2550
B	450	520	590	670	750	780	850	970	1080	1200	1300	1450	1670	1880	1950	2450

产品概述 Product Description

HH47H、H47XF、HDH47X型蝶式缓冲止回阀，主要用于工业供水、污水处理厂的水泵出口处，防止管网中介逆流。自动消除破坏性水锤，从而保证水泵和管路不受损坏。该阀主要由阀体、阀瓣、缓冲装置和微量调节阀组成。该产品具有结构新颖、体积小、流体阻力小、运行平衡、密封可靠、耐磨损、缓冲性能好等特点，是工业用水和城市排污的最佳产品。

HH47H、H47XF、HDH47X model butterfly type buffered check valve, mainly installed on water pump outlet of industrial water supply, sewage dispose factory, avoid fluid return in pipeline. Auto remove destructive water hammer, so ensure water pump and pipeline don't be damaged. This valve mainly is made up of body, disc, buffer device and micro control valve. This product have characters of new structure, small volume, low fluid resistance, smooth working, reliable sealing, wear well, good buffer performance, is the best product for industry water and city drain sewage.



主要技术参数 The Main Technical Parameters

公称压力Nominal pressure: 1.0-2.5MPa
公称口径Nominal diameter: 40-1400mm
适用介质Applicable medium: 水、油品、海水、污水
Water, oil, water, sewage
适用温度Applicable temperature: 0-80℃ (如需, 可达200℃)
If need be, can reach 200℃ |
法兰标准Flange standards: GB/T 17241.6 GB/T 9113
试验标准Test standard: GB/T 13927 API 598

典型安装示意图
Typically Install Instruction Drawing



主要零件材料 Main Part Material

零件名称 Part name	阀体 Body	蝶板 Disc	密封圈 Sealing ring	阀杆 Stem	填料 Packing
材料 Materials	灰铸铁、碳钢 Gray Cast Iron, Carbon steel	灰铸铁、球墨铸铁、铸钢 Gray Cast iron, Nodular cast iron, Cast Steel	丁腈耐油橡胶、氯丁橡胶 Butyl oil resistant rubber, Neoprene	不锈钢SS	聚四氟乙烯 PTFE

主要外形连接尺寸 Main Outline Dimensions

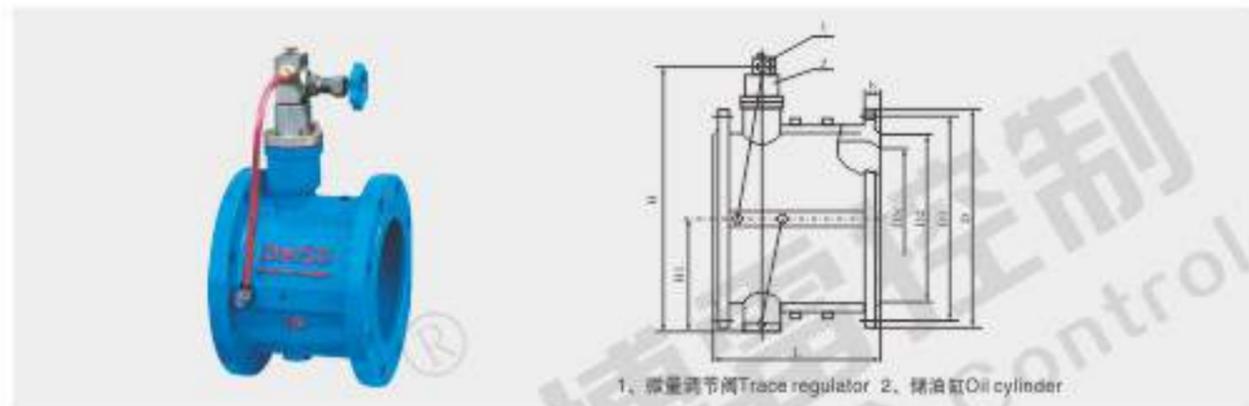
单位Unit: mm

DN	200	250	300	350	400	450	500	600	700	800	900	1000	1200	1400
L	230	250	270	290	310	330	350	390	430	470	510	550	630	710
H	550	630	690	780	860	910	980	1070	1220	1320	1430	1550	1800	1980
B1	540	600	650	710	770	830	900	1090	1200	1320	1420	1550	1780	2000

产品概述 Product Description

HH46X、HH48X、HH49X消声缓闭止回阀系列产品可在清水、污水、海水等介质的排水管道上，既能防止介质的倒流，又能有效地限制破坏性水锤，保证管线的运行安全。它具有结构新颖、体积小、重量轻、流体阻力小、密封可靠、启闭平稳、耐摩擦、使用寿命长、油压、缓闭不受介质影响，有较好节能效果等特点。

HH46X、HH48X、HH49X model silence slow closing check valve series product can be used for clean water, sewage, sea water etc. fluid pipeline, not only can avoid fluid return, also can effectively limit destructive water hammer, ensure pipeline safe. It has characters of new structure, small volume, light weight, low fluid resistance, reliable sealing, steady open/close, wear well, long life span, oil pressure, slow closing don't impacted by fluid, save energy well etc.

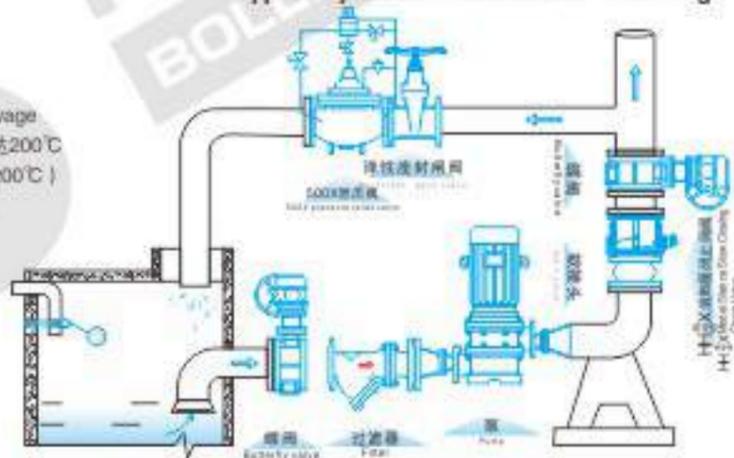


主要技术参数 The Main Technical Parameters

公称压力Nominal pressure: 1.0~2.5MPa
公称口径Nominal diameter: 40~1000mm
缓闭时间Slowly-closing time: 3~60秒
适用介质Applicable medium: 清水、海水、污水
Clear water, sea water, sewage
适用温度Applicable temperature: 0~80℃ (如需变, 可达200℃)
If need be, can reach 200℃
法兰标准Flange standards: GB/T17241.6 GB/T 9113
试验标准Test standard: GB/T 13927 API 598

典型安装示意图

Typically Install Instruction Drawing



主要零件材料 Main Part Material

零件名称 Part name	阀体 Body	阀瓣 Disc	阀杆、油缸、活塞 Stem, Oil cylinder, Piston	弹簧 Spring	阀座 Stem
材质 Material	铸铁、铸钢 Cast Iron, Cast Steel	碳钢 Carbon steel	不锈钢SS	不锈钢SS	丁腈橡胶 NBR

主要外形连接尺寸 Main Outline Dimensions

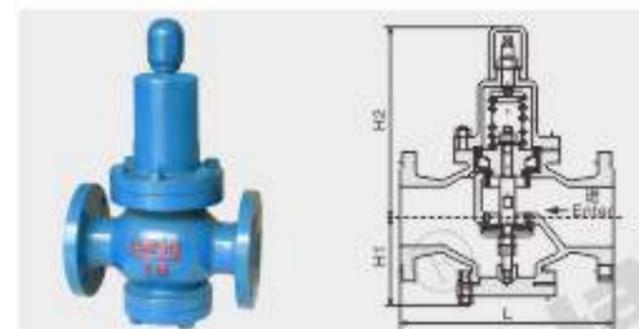
单位Unit: mm

DN	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
L	140	150	170	180	190	200	210	230	250	270	290	310	330	350	390	430	470	510	550
H	200	215	225	235	280	290	310	350	415	450	480	550	585	640	720	780	840	990	1050
H1	88	98	108	118	130	148	172	210	240	264	297	324	351	379	434	491	549	600	655

产品概述 Product Description

Y42X型减压稳压阀，是一种以活塞代替膜片的压力调节阀。比膜片式提高寿命三倍以上。口径小于DN50的建议选用Y110和Y116（螺纹连接）的隔膜型减压阀；口径大于等于DN50的建议选用Y42X（法兰连接）的活塞型减压阀。该类阀门属于可调节型减压阀，阀后的压力可根据需要调节，投入使用后阀后压力始终减至并稳定在设定值，不因阀前压力、流量的波动而改变。阀门选材优质，性能可靠，使用寿命长。

Y42X model pressure reduce valve, is a use piston replace diaphragm pressure regulate valve. Its life span is 3 times more than diaphragm type. We recommend use Y110 and Y116 (threaded end) model diaphragm type pressure reduce valve if size < DN50; we recommend use Y42X (flange end) model piston type pressure reduce valve if size ≥ DN50. This valve is belong to regulable pressure reduce valve, valve outlet pressure can be regulated as requested, valve outlet pressure always reduce and retain on set value after work, don't change due to valve inlet pressure, flow rate changed. Valve option good material, performance reliable, long life span.



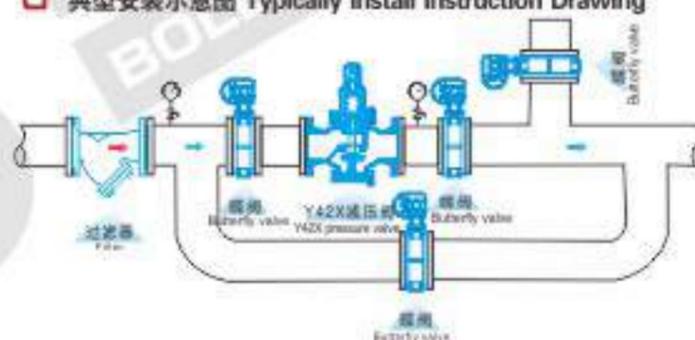
技术参数 Technical Parameters

公称压力Nominal pressure: 1.6~6.4MPa
公称口径Nominal diameter: 20~400mm
适用介质Applicable Medium: Air or the corrosive liquid
适用温度Applicable temperature: 0~90℃
法兰标准Flange standards: GB/T 17241.6
GB/T 9113
试验标准Test standard: GB/T 13927 API 598

主要零件材料 Main Part Material

零件名称 Part name	材料 Materials
阀体、上盖、下盖 Body, up bonnet, down bonnet	铸铁、球铁、铸钢 Cast iron, Ductile iron, Cast Steel
调节弹簧 Adjusting spring	硅锰钢 Silico-manganese steel
活塞 Piston	不锈钢SS
缸套 Cylinder cap	不锈钢SS

典型安装示意图



主要外形连接尺寸 Main Outline Dimensions

单位Unit: mm

DN	L				H1				H2			
	PN16、25	PN40	PN64	PN16	PN25	PN40	PN64	PN64	PN16	PN25	PN40	PN64
20	160	160	170	90	90	90	90	90	220	220	220	220
25	180	200	200	95	95	100	105	105	255	255	265	265
32	200	220	220	100	100	100	110	110	255	255	265	265
40	220	240	240	115	115	130	130	130	325	325	330	330
50	250	270	270	120	120	135	135	135	325	325	330	330
65	260	280	300	125	125	130	145	145	330	330	340	355
80	310	330	330	135	135	150	160	160	340	340	340	360
100	350	380	380	108	108	185	185	185	317	317	360	360
125	400	450	450	190	200	200	245	245	560	560	565	565
150	450	500	500	205	210	240	280	280	580	580	585	585
200	500	560	560	220	245	245	310	310	630	630	635	635
250	600	-	-	270	-	-	-	-	750	-	-	-
300	800	-	-	310	-	-	-	-	780	-	-	-
350	850	-	-	390	-	-	-	-	850	-	-	-
400	900	-	-	420	-	-	-	-	925	-	-	-

产品概述

Y型过滤器, 是使用水力控制阀及精密的易堵塞的机械产品所必需具备的过滤设备。通常安装于水力控制阀等设备的进口端, 防止颗粒性杂质进入通道, 造成堵塞, 使阀门或其他设备失灵而不能正常使用。Y型过滤器的结构简单, 流阻小, 可在线排除污物而不需拆除。

Product Description

Y type strainer, is a necessary filter device for hydraulic control valve and accuracy easy block machinery products. Normally installed on hydraulic control valve etc. device inlet, avoid impurity such as grain enter channel, cause block, make valve or other device failure and can't work. Y type strainer have easy structure, low fluid resistance, can drain sewage online and don't need disassembly.



主要技术参数 The Main Technical Parameters

型号 Type	公称压力(MPa) Nominal pressure	壳体试验压力(Mpa) Seat test pressure	工作压力(Mpa) Operating pressure
SY4P	1.6	2.4	1.6

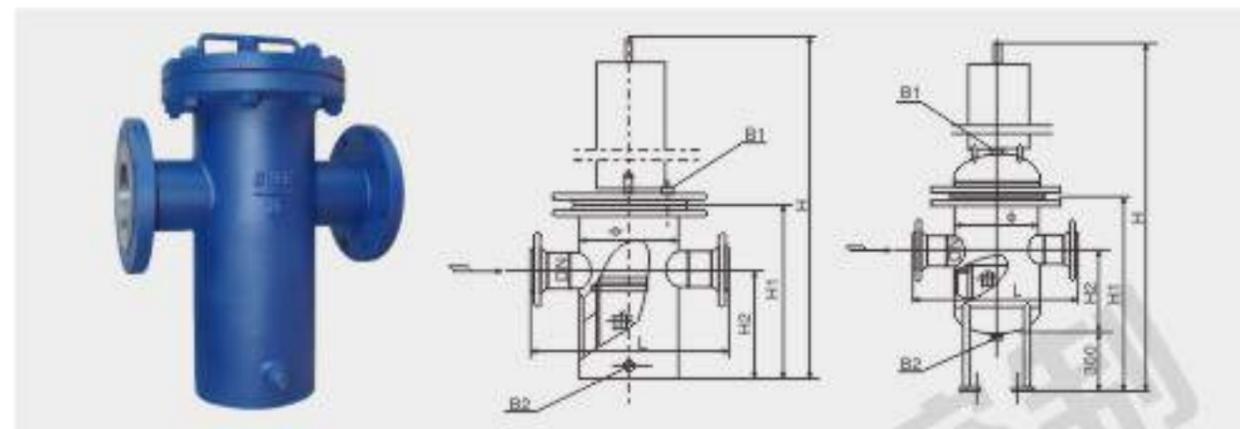
主要零件材料 Main Part Material

零件名称 Part name	管体 Pipe body	滤网 Screen	伸缩拉杆 Companding drag link	O形圈 O ring
材质 Material	灰铸铁、不锈钢、铸铜 Gray Cast iron, SS, Cast Steel	不锈钢 SS	碳钢镀锌 CS plated Zn	丁腈橡胶 Buna- N rubber

主要外形连接尺寸 Main Outline Dimensions

SY4P-16型 (type) 10/25 单位Unit: mm

DN		65	80	100	125	150	200	250	300	350	400	450	500
L	螺纹 Thread	-	-	-	-	-	-	-	-	-	-	-	-
	法兰 Flange	250	280	350	400	440	500	580	670	780	850	850	100
H	螺纹 Thread	-	-	-	-	-	-	-	-	-	-	-	-
	法兰 Flange	198	210	250	305	358	450	503	578	598	618	693	765
H1	螺纹 Thread	-	-	-	-	-	-	-	-	-	-	-	-
	法兰 Flange	270	295	344	422	485	602	710	815	844	872	978	1080



主要外形和连接尺寸 Main External And Connection Dimension

单位 Unit:mm

公称 通径DN Nominal diameter	L	H	H1	H2	φ	B1排放口 Blowdown Tap			有效过滤面积(m²) Strainer Area	WT (Kg)
						I	II	III		
25	220	480	160	260	76	R1/2'	DN20 平面 RF	DN20 凸面 M	0.003619	13.8
32	220	495	160	270	76				0.003619	16.5
40	280	550	180	300	114				0.005718	19
50	280	550	180	300	114				0.005718	23
65	330	650	220	350	140				0.009613	39
80	340	740	260	400	168				0.001539	52
100	420	880	310	470	219	R3/4'	DN20 平面 RF	DN20 凸面 M	0.02464	82
150	500	1175	430	620	273				0.04866	208
200	560	1540	530	780	325				0.07858	245
250	660	1890	640	930	426				0.12065	280
300	750	2130	840	1200	478				0.16537	390

主要外形和连接尺寸 Main External And Connection Dimension

单位 Unit:mm

公称 通径DN Nominal diameter	L	H	H1	H2	φ	B1排放口 Blowdown Tap			有效过滤面积(m²) Strainer Area	WT (Kg)
						I	II	III		
200	560	1875	540	230	325	R3/4'	DN20 平面 RF	DN20 凸面 M	0.07858	303
250	660	2170	650	270	426				0.12065	439
300	750	2690	860	320	480				0.16537	576
350	800	3085	1010	370	500	R1'	DN20 平面 RF	DN20 凸面 M	0.2225	833
400	840	3445	1150	400	550				0.2916	839
450	960	3810	1310	440	600				0.3642	978
500	1080	4145	1440	470	700				0.4587	1444

产品概述 Product Description

倒流防止器，是一种安装在各类管路系统中用于严格制止介质倒流，保护其后的介质或设备不受污染的止逆类阀门。由两个串联的止回阀和过滤部分组成，密封严密，确保介质无一点回流，安全可靠，使用寿命长。

Backflow preexhauster is a check valve which installed on various pipeline system to strictly resist fluid return, protect its behind fluid or device don't polluted. It's made up of two sequent check valve and filter parts, sealing good, ensure fluid without return, safety, long life span.



HDF41X倒流防止器
Backflow preexhauster

HDF21X全铜丝口倒流防止器
HDF21X all the copper wire mouth backflow preventer

主要零件材料 Main Part Material

序号 No	零件名称 Part name	材料 Materials
1	阀体 Body	铸铁, 球墨铸铁, 铸钢 Cast iron, Nodular cast iron, Cast Steel
2	阀盖 Bonnet	铸铁, 球墨铸铁, 铸钢 Cast iron, Nodular cast iron, Cast Steel
3	阀盘 Diaphragm	球墨铸铁 Nodular cast iron
4	弹簧 Spring	不锈钢, 铬钒钢 SS, Chromium vanadium steel
5	排污阀 Blowdown valves	黄铜 Brass

主要技术参数 The Main Technical Parameters

公称压力 Nominal pressure: 1.0 ~ 2.5MPa
公称口径 Nominal diameter: 40 ~ 100mm
缓闭时间 Slowly-closing time: 3~60秒 seconds
适用介质 Applicable medium: 清水、海水、污水
Clear water, sea water, sewage
适用温度 Applicable temperature: 0 ~ 80℃(如需要, 可达200℃)
If need be, can reach 200℃
法兰标准 Flange standards: GB/T 17241.6 GB/T 9113
试验标准 Test standard: GB/T 13927 API 598

主要外形连接尺寸 Main Outline Dimensions

单位 Unit: mm

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	458	482	551	653	735	793	1008	1186	1340	1505	1670	1886	1986	2318
H	210	235	264	308	356	400	503	595	705	705	905	910	921	1210

产品概述 Product Description

AVAX型自动排气阀主要应用于暖通空调系统，往往安装在制高点或弯头等处，以排除管道中多余气体，提高管路使用效率及降低能耗。

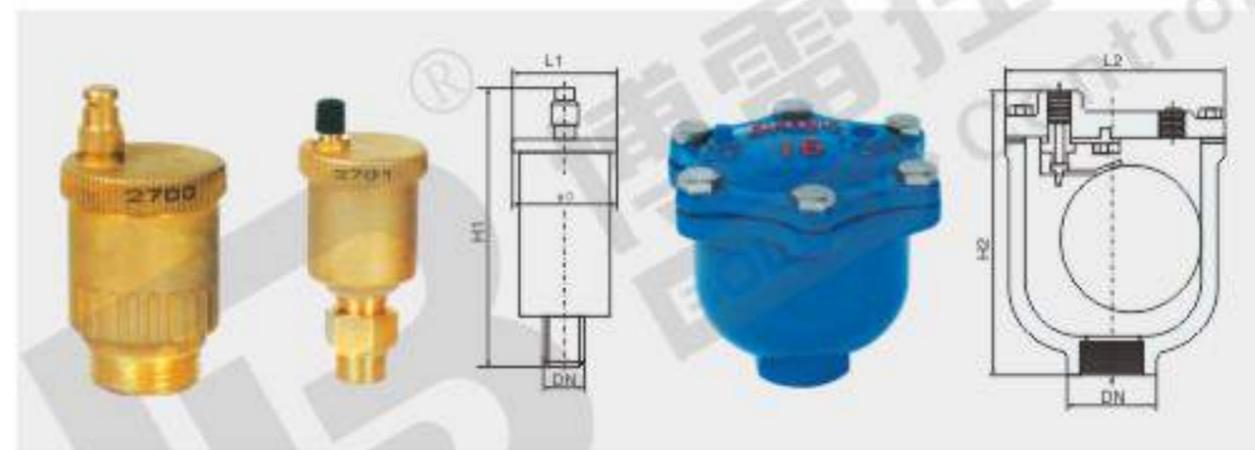
ARVX微量排气阀在一般情况下，水中约含2VOL%的溶解空气，在输水过程中，这些空气由水中不断释放出来，聚集在管线的高点处，形成空气袋(AIP POCKET)，使输水变得困难，系统输水能力可因此下降约5-15%。此微量排气阀主要功能就是排除这2VOL%的溶解空气，并适合装置于高层建筑，厂区内配管，小型泵站用以保护或改善系统的输水效率及节约能源。

单杆式(SIMPLE LEVER TYPE)微量排气阀，为一类似椭圆形阀体，内部所有零件包括浮球、杠杆、阀座等均为304不锈钢，内部使用标准排气孔径1/6"，适用于PN16工作压力环境。

AVAX model auto exhaust valve is used for HVAC air conditioning system, always installed on top high position or elbow position etc., to release redundant air inside pipeline, increase pipeline use efficiency and reduce energy loss.

ARVX Trace Exhaust Valve under normal condition, include 2 VOL% soluble air in the water, during the access of pumping water, the air release constantly from water, collect at the top of pipeline, form air bad(AIP POCKET), make pumping hardy, system pumping ability drop around 5-15% accordingly. Main function of this micro exhaust valve is remove the 2 VOL% soluble air, and adapt the device to high-rise construction, workshop area, small pump station to protect or improve system pumping efficiency and save energy.

Simple lever type micro exhaust valve, is similar to a scoop body, inside all parts include float ball, lever, seat etc. are SS304, inside use standardized exhaust hole diameter 1/6" suitable for PN16 working condition.



主要技术参数

The Main Technical Parameters

公称压力 Nominal pressure: 1.0~1.6MPa
公称口径 Nominal diameter: 10~25mm
适用介质 Applicable medium: 水、油等非腐蚀性液体
Water, oil, and the corrosive liquid, etc
适用温度 Applicable temperature: 0 ~ 100℃
试验标准 Test standard: GB/T13927 API 598

主要零件材料 Main Part Material

ARVX微量排气阀 ARVX Micro Exhaust Valve				
名称 Name	阀体、阀盖 Body, Bonnet	浮球 Ball float	杠杆、杠杆架 lever, lever bracket	塞头 Plug head
材质 Material	球墨铸铁、铸铁 Nodular cast iron, Cast Iron	304不锈钢 304SS	304不锈钢 304SS	合成橡胶 BUNA-NVITOL
AVAX自动排气阀 AVAX Auto exhaust valve	全铜 All the copper			

主要外形连接尺寸 Main Outline Dimensions

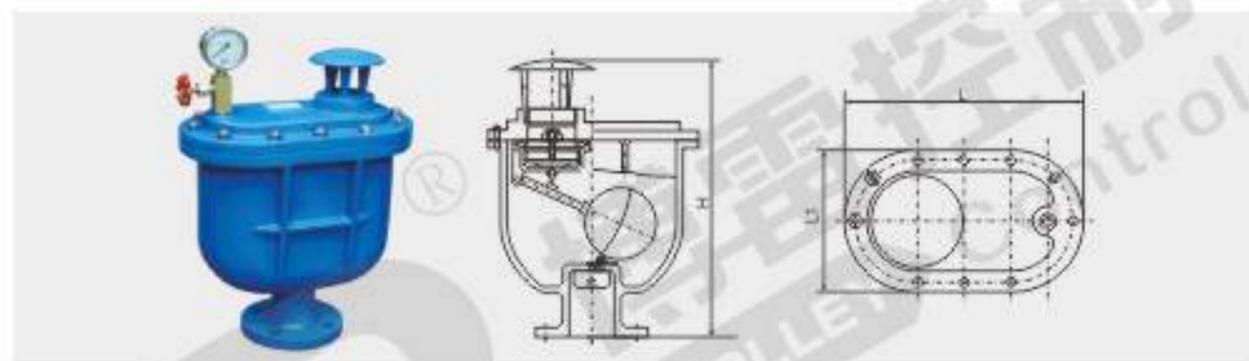
单位 Unit: mm

DN	10(3/8")	15(1/2")	20(3/4")	25(1")
L1	47	47	47	47
H1	113	113	113	113
L2	102	102	102	102
H2	127	127	127	127

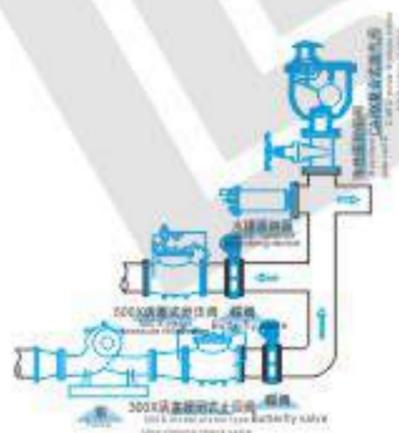
□ 产品概述

CARX复合式排气阀阀体为圆桶状，阀门内件包括不锈钢浮球、杠杆及阀瓣。本阀安装在泵出口处或配水管线中，用来排除集积在管中的空气，以提高管及水泵的使用效率，当管内一旦产生负压时，此阀迅速吸入外界空气，以防止管线因负压而损坏。当管内开始注水时，阀瓣处在开启的位置，进行大量排气，当空气排完时阀内充满水，浮球上升并带动阀瓣关闭，停止排气，当管内水正常输送时，如有少量空气聚集在阀内到相当的程度，阀内水位下降，此时空气由小孔排出。当水泵停止时，管内水流空或透管内产生负压，此时塞头迅速开启，吸入空气，确保管线安全。

CARX model composition type exhaust valve, the body is tubish shape. Trim include SS float ball, lever and disc. This valve is installed on pump outlet or water pipeline, to remove air inside pipe, increase use efficiency of pipeline and pump, when happen steel pressure inside pipe, this valve resort outside air into valve quickly, to avoid pipeline damaged due to negative pressure. When pipe start injecting water, disc is at open position, heavily exhaust, body filled with water when rackup air, float ball rise and make disc close, stop exhaust, when pipe pumping normally, if little air collected to some certain valve, water line inside valve drop, air is exhaust through small hole. When water pump stop, water inside pipe flow empty or meet negative pressure inside pipe, chock plug quickly open, absorb air, ensure pipeline safety.



□ 典型安装示意图
Typically Install Instruction Drawing



□ 主要技术参数 The Main Technical Parameters

公称压力 Nominal pressure: 1.0- 1.6MPa
公称口径 Nominal diameter: DN25- 32mm为螺纹连接 is screw thread joint
DN50 - 200mm为法兰连接 For flange connection
适用介质 Applicable medium: 水、油等非腐蚀性液体
Water, oil, and the corrosive liquid, etc
适用温度 Applicable temperature: 0 -100℃
法兰标准 Flange standards: GB/T17241.6 GB/T 9113
试验标准 Test standard: GB/T 13927 API 598

□ 主要零件材料 Main Part Material

零件名称 Part name	阀体 Body	阀盖 Bonnet	浮球 Ball float	杠杆架 Lever bracket	杠杆 Lever	塞头 Chock plug
材质 Material	球墨铸铁、铸铁 Nodular cast iron, Cast iron	球墨铸铁 Nodular cast iron	不锈钢 SS	不锈钢 SS	铝青铜 Aluminum bronze	铝青铜 Aluminum bronze

□ 主要外形连接尺寸 Main Outline Dimensions

单位Unit: mm

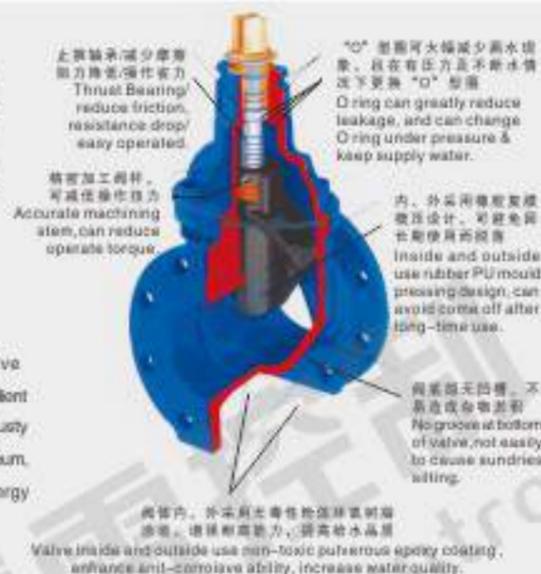
DN	25	32	50	65	80	100	150	200
L	280	280	360	360	400	465	537	537
L1	176	176	208	208	244	275	332	332
H	330	330	475	475	552	623	686	686

□ 产品概述

本厂引进欧洲高科技阀门制造技术所生产的弹性座封闸阀，利用闸板整体包胶产生弹性变形的补偿作用达到良好的密封效果，克服了一般闸阀密封不良、漏水、生锈的现象。可广泛用于自来水、污水、建筑、石油、化工、食品、医药、轻纺、电力、船舶、冶金、能源系统等流体管线上作为调节器和截流装置使用。

□ Product Description

We company introduce resilient gate valve use European high tech valve manufacture technology, integrate lined rubber gate casue compensate effect by resilient deform have good sealing result, overcome bad sealing performance, leakage and rusty of normal gate valve. It's widely used for daily use water, sewage, construction, petroleum, chemical industry, food making, medicine, spinning, power, ship, metallurgy, energy system ect. fluid pipeline as regulator and cut-off device.



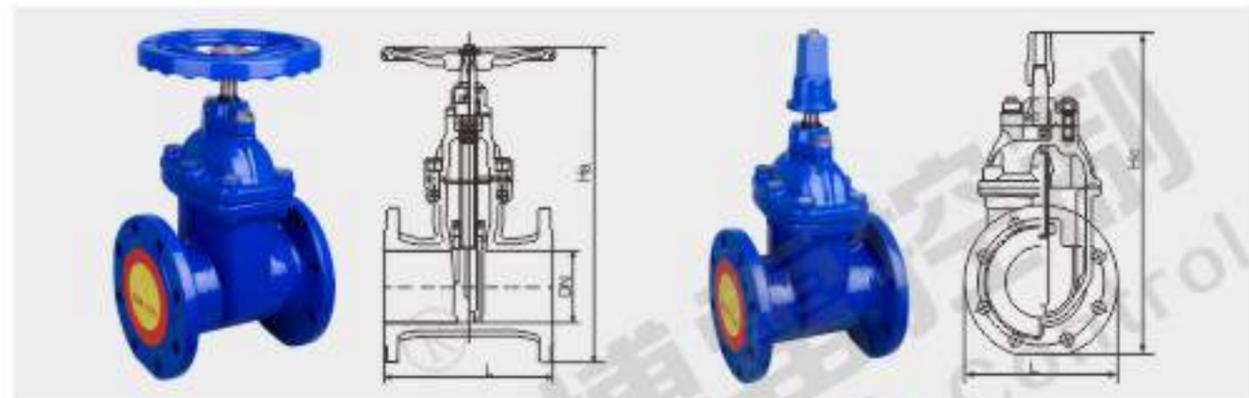
重量轻: 本阀采用树脂砂造型球墨铸铁材料制成，强度高、荷重小，重量较传统闸阀重量减轻约20%-30%，安装维修方便。
平底式阀座: 传统的闸阀通常是凹陷式阀座，增大了流体阻力，且易堆积焊渣、石块、泥沙等杂物，不利于密封和流面。而本公司生产的弹性座封闸阀采用平底式全流域直通式设计，相当于直管道，不易堆积杂物，确保密封可靠，使流体畅通无阻。
闸瓣整体包胶: 闸瓣采用高品质的橡胶进行整体内、外包胶，欧洲一流的橡胶硫化技术使得硫化后的闸瓣能够保证精确几何尺寸，且橡胶与球墨铸铁闸瓣接合牢固，不易脱落且弹性记忆佳。
精铸阀体: 阀体采用精密铸造，精确的几何尺寸使得阀体内部无需任何加工即可保证闸门的密封性。闸板骨架采用球墨铸铁，整体包覆橡胶，具有几何尺寸精确，包覆牢固，不脱落，弹性记忆佳，可互换。
耐腐蚀: 阀体内外表面采用粉体环氧树脂涂装，内件采用不锈钢或铜合金可防止阀体的腐蚀及生锈，并可用于污水系统、及地下等恶劣环境。
不易碎裂: 以往传统铸铁闸阀常因外物击中、碰撞或重压而造成断裂等现象。由于本体改用球墨铸铁，此种情形已可大幅度减少。
“O”型环密封圈: 由于阀体采用三道“O”型环密封圈密封设计，可减少开关时的摩擦阻力，大幅减少漏水现象及可以不停水施工更换密封圈。
有助生饮: 由于阀体内部以无毒环氧树脂涂装，闸瓣的内外表面均以橡胶完全覆盖而不至于出现锈水或腐蚀现象，可供生饮。

Light weight: this valve is made by resin sand shape ductile iron, high strength, low loading, weight is 20%-30% lower than traditional gate valve.
Plain base seat: traditional gate valve normal is hollow type seat, increase fluid resistance, and easy pile welding slag, stone, mud and sand etc. sundries, which not good to seal and fluid face. But we compay produced resilient seat gate valve use plain base full fluid area through type design, is equivalent to straight pipe, not easy pile sundries, ensure sealing reliable, make fluid no resistance.
Disc integrated plated rubber: disc use high quality rubber lined inside and outside, European top class rubber vulcanization technology can make vulcanized valve ensure dimensions accurately, and make rubber hardly cover ductile iron material disc, not easily come off and have good resilience.
Precision casting body: body use precision casting, accurate dimensions make body inside without machining and ensure good sealing. Gate use ductile iron, lined with rubber, have advantages of accurate dimensions, cover hard, not easily come off, good resilience, can changeable.
Anti-corrosion: body inside and outside use pulverous epoxy coating, trim use stainless steel or copper alloy can resist body corrosive and rusty, and can used for sewage system and bad environment under ground.
Not easily crumbled: traditional cast iron gate valve normally cause crumbled due to knocked, hit or press etc. But the body use ductile iron, this case already much reduced.
O ring seal ring: as body use three layers O ring sealing design, can reduce open or close friction, greatly reduce leakage and change sealing ring under water supply.
Help drink: as body inside coated with non-toxic epoxy coating, disc inside/outside surface lined with rubber will not rusty or corrosion.

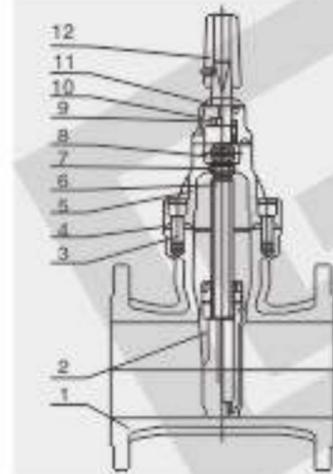
产品概述 Product Description

RVHX、RVCX暗杆弹性座封闸阀，利用闸门整体包胶产生变形补偿作用达到良好的密封效果，克服了一般闸阀密封不良、漏水和生锈的现象，更有效的节约安装空间。可广泛用于自来水、污水、建筑、石油、化工、食品、医药、轻纺、电力、船舶、冶金、能源系统等流体管线上作为调节器和截流装置使用。

RVHX,RVCX model non rising stem resilient gate valve, integrate lined rubber gate casue compensate effect by resilient deform have good sealing result, overcome bad sealing performance, leakage and rusty of normal gate valve. It's widely used for daily use water, sewage, construction, petroleum, chemical industry, food making, medicine, spinning, power, ship, metallurgy energy system ect. fluid pipeline as regulator and cut-off device.



主要零件材料 Main Part Material



序号No	名称Name	材质Material
1	闸体 Body	球墨铸铁、铸钢 Nodular cast iron, Cast Steel
2	闸板 Wedge	球墨铸铁+三元乙丙或丁腈橡胶 Ductile iron coated with epdm or buna n
3	内六角螺栓 Bolt	碳化处理 Carbonization processing
4	密封圈 Seal ring	丁腈橡胶 Buna-N
5	闸盖 Cover	球墨铸铁、铸钢 Nodular cast iron, Cast Steel
6	闸杆 Stem	不锈钢 SS
7	"O"形密封圈 "O" type sealing ring	丁腈橡胶 Buna-N
8	止推轴承 Thrust bearing	锡青铜 Tin bronze
9	螺栓 Screw	不锈钢 SS
10	压盖 Plate	球墨铸铁、铸钢 Nodular cast iron, Cast Steel
11	防尘罩 Dust guide	丁腈橡胶 Buna-N
12	手轮(传动帽) The handwheel (transmission cap)	铸铁 Cast iron

主要技术参数 The Main Technical Parameters

公称压力Nominal pressure: 1.0-2.5MPa
公称直径Nominal diameter: 50-600mm
工作温度: 0-80℃

适用介质Applicable medium: 水、油、气等 Water, oil, gas, etc
法兰标准Flange standards: GB/T 17241.6 GB/T 9113
试验标准Test standard: GB/T 13927 API 598

主要外形连接尺寸 Main Outline Dimensions

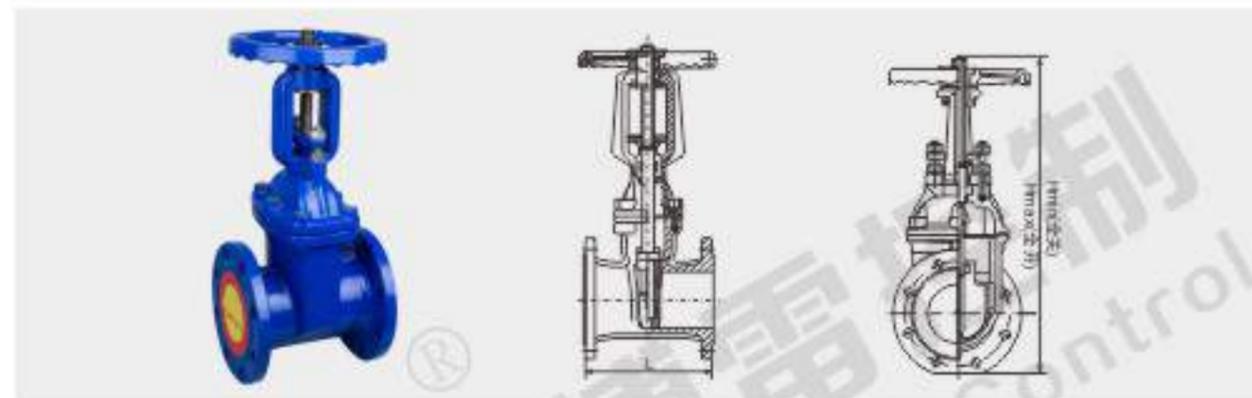
单位Unit: mm

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	178	190	203	229	254	267	292	330	356	381	406	432	457	508
Ha	313	332	372	424	497	562	680	837	948	1010	1220	1280	1480	1665
Hc	355	375	415	476	540	600	720	875	990	1050	1245	1310	1560	1750

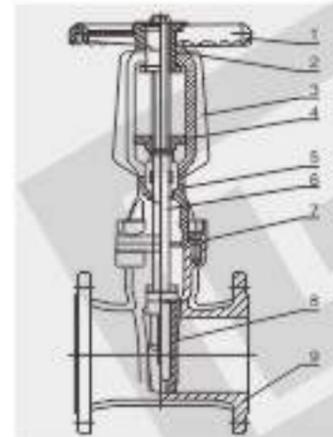
产品概述 Product Description

RRHX明杆弹性座封闸阀除具有弹性座封闸阀的优点之外，并可以直观显示阀门开度，启闭迅速可靠，故常应用于消防及工业系统。一般安装于距地面较高位置。

RVEX model electric resilient gate valve, can install various electric actuator according to client's requirements, achieve remote control and auto control. Have sensitive, reliable, easy maintenance etc. features. It's widely use for daily use water, sewage, construction, petroleum, chemical industry, food making, medicine, spinning, power, ship, metallurgy energy system ect. fluid pipeline as regulator and cut-off device.



主要零件材料 Main Part Material



序号No	名称Name	材质Material
1	手轮 Hand wheel	可锻铸铁 Malleable iron
2	闸杆螺母 Stem nut	铜合金 Copper alloy
3	支架 Yoke	球墨铸铁、铸钢 Nodular cast iron, Cast Steel
4	压盖 Plate	球墨铸铁、铸钢 Nodular cast iron, Cast Steel
5	密封圈 Sealing ring	丁腈橡胶、三元乙丙 Buna-N rubber, EPDM
6	闸杆 Stem	不锈钢 SS
7	中口垫 Mouth pad in	丁腈橡胶、三元乙丙 Buna-N rubber, EPDM
8	闸板 Wedge	球墨铸铁+三元乙丙或丁腈橡胶 Nodular cast iron+EPDM or Buna-N rubber
9	闸体 Body	球墨铸铁、铸钢 Nodular cast iron, Cast Steel

主要技术参数 The Main Technical Parameters

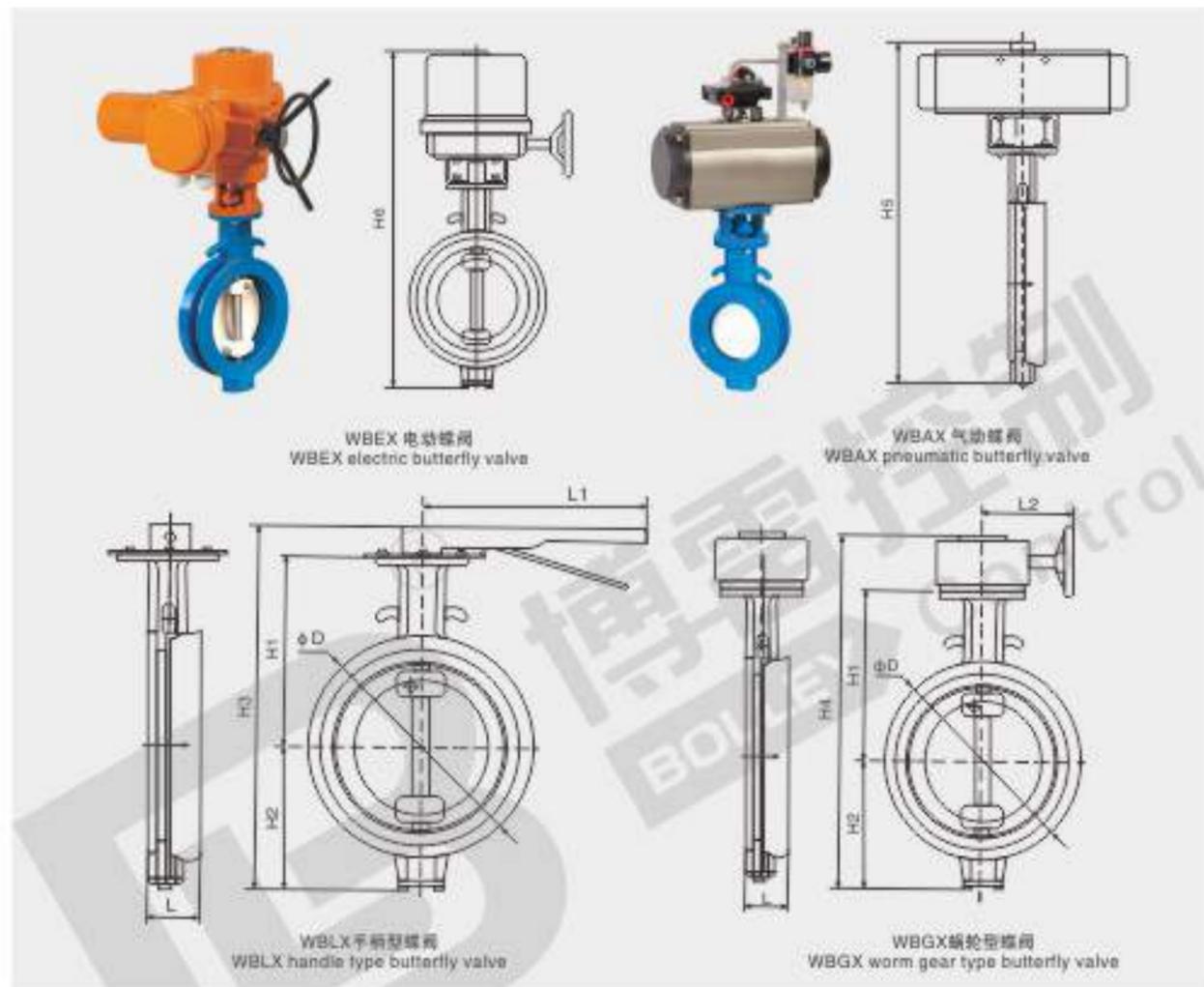
公称压力Nominal pressure: 1.0-2.5MPa
公称直径Nominal diameter: 50-400mm
工作温度: 0-80℃

适用介质Applicable medium: 水、油、气等
法兰标准Flange standards: GB/T 17241.6 GB/T 9113
试验标准Test standard: GB/T 13927 API 598

主要外形连接尺寸 Main Outline Dimensions

单位Unit: mm

DN	50	65	80	100	125	150	200	250	300	350	400
L	178	190	203	229	254	267	292	330	356	381	406
(全关) Hmin	322	332	350	420	581	581	736	882	1009	1300	1380
(全开) Hmax	374	398	429	524	721	736	942	1013	1117	1655	1805



主要外形连接尺寸 Main Outline Dimensions

(PN1.0~1.6MPa) 单位Unit: mm

公称口径 Nominal diameter	L	L1	L2	φD	H1	H2	H3	H4	H5	H6
50	43	267	154	106	112.5	77	224	251	330	408
65	46	267	154	124	123	85	240	270	377	430
80	46	267	154	162	138	95	279	309	411	462
100	52	267	154	162	150	105	286	318	467	512
125	56	345	154	192	168	129	329	359	503	582
150	56	345	154	216	190	132	354	381	557	639
200	60	353	238	270	227.5	165	438	464	655	706
250	68	353	238	326	251	197	493	520	745	782
300	83	-	227	376	284.5	234	-	596	842	825
350	92	-	227	436	310	283	-	670	-	887
400	102	-	270	484	343	325	-	781	-	1030
450	114	-	280	534	390	369	-	852	-	1160
500	127	-	338	590	423	404	-	610	-	1343
600	154	-	385	690	550	470	-	1100	-	1536

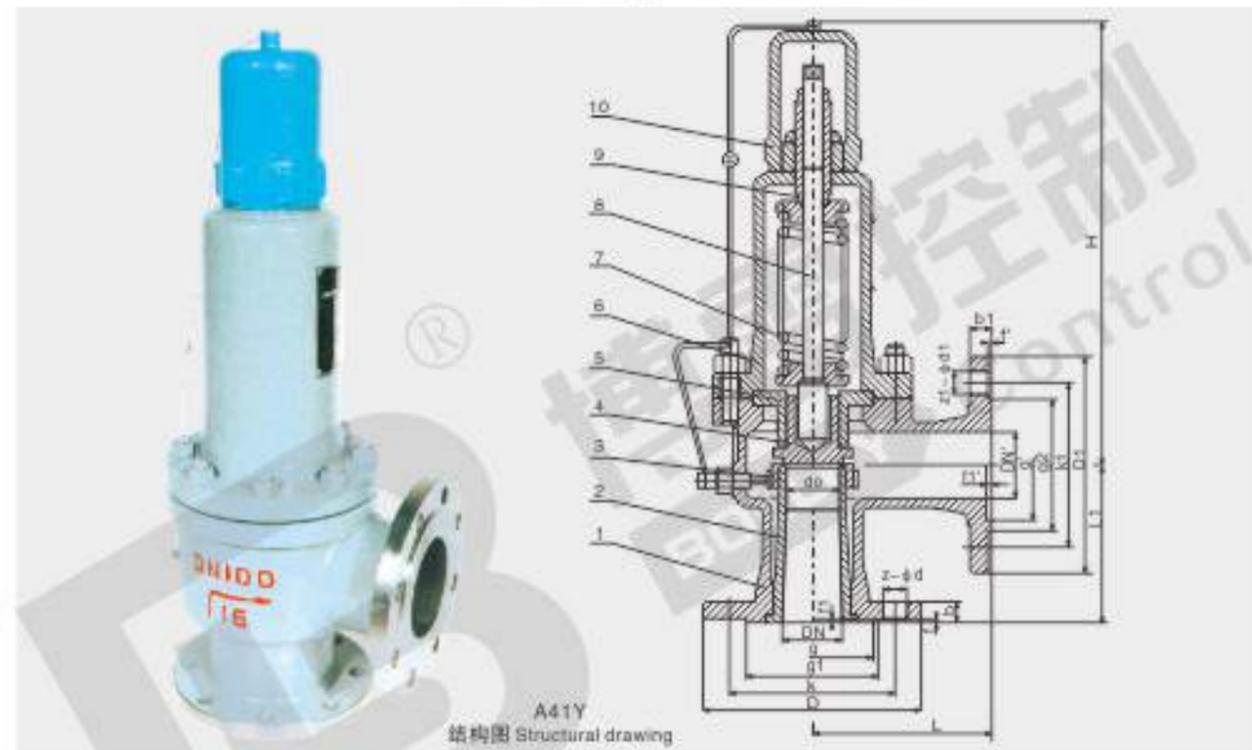


其它阀系列
Other Valve Series

系列 Series

A41H-16C A41Y-16P A41Y-16R
A41H-25 A41Y-25P A41Y-25R
A41H-40 AA41Y-40P A41Y-40R
A41Y-64 AA41Y-64P A41Y-64R
A41Y-100 AA41Y-100P A41Y-100R
KA41H-16C KA41Y-25P KA41Y-40R

A41H型适用工作温度 $\leq 300^{\circ}\text{C}$ 的石油汽、空气、水等介质的设备或管路上。A41Y/R型适用于工作温度 $\leq 200^{\circ}\text{C}$ 有腐蚀性介质的设备或管路上，作为超压保护装置。连接法兰标准按JB/T...94/系列1。
A41H type are used for the equipment and pipeline of the petroleum gas, air, water etc medium what the working temperature art less than 300°C . A41Y/R type are used for the equipment and pipeline of the quality with corrode medium what the working temperature are less less than 200°C . take for extre for pressure devices. flange connecting dimen sians of comply with standard series list of JB/T...94.



主要零部件材料 Materials For Main Parts

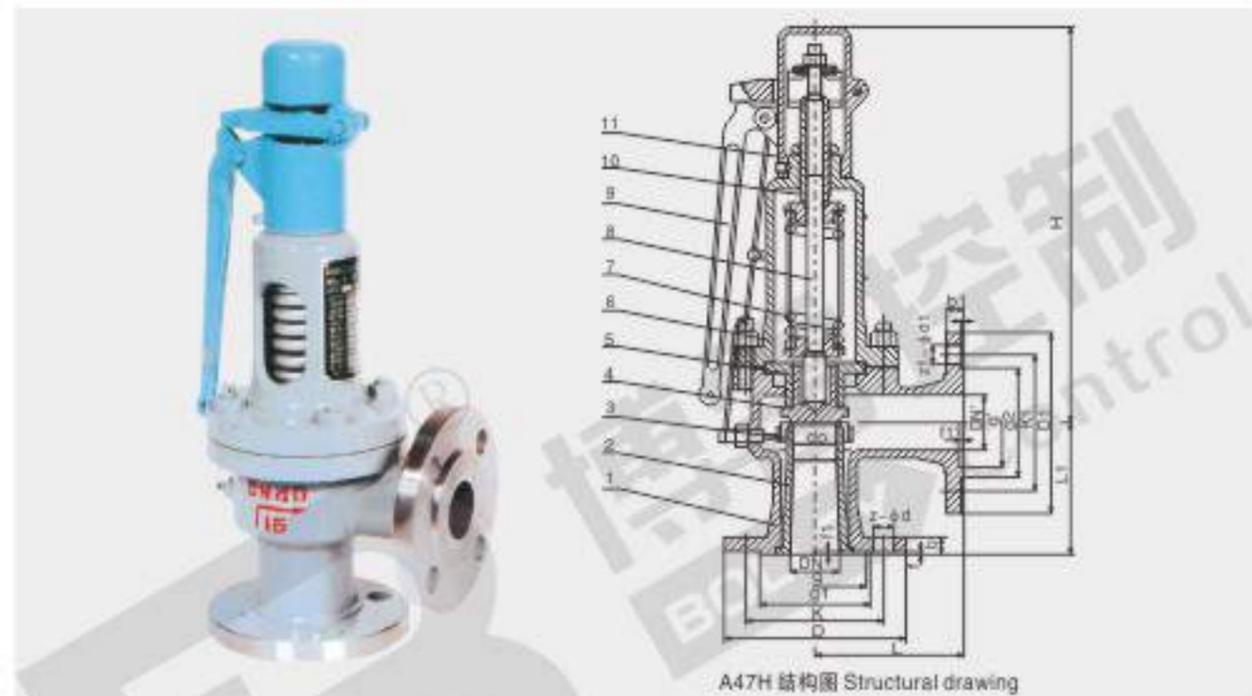
NO	零件名称 Name of part	A41H-C/KA41Y-C 材料 Materials	A41Y-P/KA41Y-P 材料 Materials	A41Y-R/KA41Y-R 材料 Materials
1	阀体 Body	WCB	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
2	阀座 Seat	ZG2Cr13/1Cr18Ni9Ti	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
3	调节阀 Adjusting ring	ZG2Cr13/1Cr18Ni9Ti	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
4	阀瓣 Disc	ZGr13/1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
5	导向套 Guide sleeve	ZG2Cr13/1Cr18Ni9Ti	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
6	阀盖 Bonnet	ZG230-450	ZG230-450	ZG230-450
7	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon
8	阀杆 Stem	2Cr13	1Cr18Ni12Mo2Ti	1Cr18Ni12Mo2Ti
9	调整螺杆 Adjusting bolt	45	2Cr13	2Cr13
10	保护罩 Cap	ZG200-400	ZG200-400	ZG200-400
	密封材料 Seating surface of material	堆焊D507	堆焊Co基硬质合金 Depositing stellite	

外形尺寸和连接尺寸 Dimensions(mm)

型号 Type	公称口径 DN	dn	D	K	g	g1	b	f	f1	Z-Φd	DN'	D1	k1	g2	g'	b1	f'	f1'	Z1-Φd1	L	L1	-H	
A41H-16C A41Y-16P A41Y-16R	20	15	105	75		55	16	2		4-14	20	105	75	55		16	2		4-14	100	85	276	
	25	20	115	85		65	16	2		4-14	25	115	85	65		16	2		4-14	100	85	276	
	32	25	140	100		78	18	2		4-18	32	140	100	78		18	2		4-18	115	100	285	
	40	32	150	110		85	18	3		4-18	40	150	110	85		18	3		4-18	120	110	292	
	50	40	165	125		100	20	3		4-18	50	165	125	100		20	3		4-18	135	120	370	
	65	50	185	145		120	20	3		4-18	65	185	145	120		20	3		4-18	140	130	375	
	80	65	200	160		135	20	3		8-18	80	200	160	135		20	3		8-18	160	135	373	
	100	80	220	180		155	22	3		8-18	100	220	180	155		22	3		8-18	170	160	513	
	125	100	250	210		185	22	3		8-18	125	250	210	185		22	3		8-18	190	190	260	
	150	125	285	240		210	24	3		8-23	150	285	240	210		24	3		8-23	205	195	570	
200	150	340	295		265	26	3		12-23	200	340	295	265		26	3		12-23	240	230	717		
250	200	405	355		320	30	3		12-26	250	405	355	320		30	3		12-26	350	320	940		
300	250	460	410		375	30	4		12-26	300	460	410	375		30	4		12-26	350	320	980		
A41H-25 A41Y-25P A41Y-25R	20	15	105	75		55	16	2		4-14	20	105	75	55		16	2		4-14	100	85	276	
	25	20	115	85		65	16	2		4-14	25	115	85	65		16	2		4-14	100	85	276	
	32	25	140	100		78	18	2		4-18	32	140	100	78		18	2		4-18	115	100	285	
	40	32	150	110		85	18	3		4-18	40	150	110	85		18	3		4-18	120	110	292	
	50	40	165	125		100	20	3		4-18	50	165	125	100		20	3		4-18	135	120	370	
	65	50	185	145		120	22	3		8-18	65	185	145	120		20	3		8-18	140	130	375	
	80	65	200	160		135	24	3		8-18	80	200	160	135		20	3		8-18	160	135	373	
	100	80	230	190		160	24	3		8-23	100	230	190	155		20	3		8-18	170	160	513	
	125	100	270	220		188	26	3		8-26	125	270	220	185		22	3		8-18	190	190	560	
	150	125	300	250		218	30	3		8-26	150	300	250	210		24	3		8-23	205	195	570	
200	150	360	310		278	34	3		12-26	200	360	310	265		26	3		12-23	240	230	717		
250	200	425	370		332	36	3		12-30	250	425	370	320		30	3		12-26	350	320	940		
300	250	485	430		390	40	4		16-30	300	485	430	375		30	4		12-26	350	320	980		
A41H-40 A41Y-40P A41Y-40R	20	15	105	75		51	55	18	2	4	4-14	20	105	75	55	18	2	4	4-14	100	85	276	
	25	20	115	85		58	65	16	2	4	4-14	25	115	85	65	16	2	4	4-14	100	85	276	
	32	25	140	100		66	78	18	2	4	4-18	32	140	100	78	18	2	4	4-18	115	100	285	
	40	32	150	110		76	85	18	3	4	4-18	40	150	110	85	18	3	4	4-18	120	110	292	
	50	40	165	125		88	100	20	3	4	4-18	50	165	125	100	20	3	4	4-18	135	120	370	
	65	50	185	145		110	120	22	3	4	8-18	65	185	145	120	20	3	4	4-18	140	130	375	
	80	65	200	160		121	135	22	3	4	8-18	80	200	160	135	20	3	4	8-18	160	135	373	
	100	80	235	190		150	160	24	3	4.5	8-23	100	235	190	155	22	3	4	8-18	170	160	513	
	125	100	270	220		178	188	26	3	4.5	8-26	125	270	220	185	22	3	4	8-18	190	190	560	
	150	125	300	250		204	218	30	3	4.5	8-26	150	300	250	210	24	3	4	8-23	205	195	570	
200	150	375	320		262	282	36	3	4.5	12-30	200	340	295	265	26	3		12-23	240	230	717		
250	200	450	385		313	345	42	3	4.5	12-34	250	405	355	320	30	3		12-26	350	320	940		
300	250	515	450		364	408	48	4	4.5	16-34	300	460	410	375	30	4		12-26	350	320	980		
A41H-64 A41Y-64P A41Y-64R	20	15	130	90		51	68	20	2	4	4-18	20	105	75	55	58	16	2	4	4-14	100	95	268
	25	20	140	100		58	78	22	2	4	4-18	25	115	85	65	66	16	2	4	4-14	100	95	268
	32	25	155	110		66	82	24	2	4	4-23	32	140	100	78	76	18	2	4	4-18	115	105	279
	40	32	170	125		76	95	24	3	4	4-23	40	150	110	85	88	18	3	4	4-18	135	115	330
	50	40	180	135		88	105	26	3	4	4-23	50	165	125	100	110	20	3	4	4-18	160	125	360
	65	50	205	160		110	130	28	3	4	8-23	65	185	145	120	121	22	3	4	8-18	175	160	503
	80	65	215	170		121	140	30	3	4	8-23	80	200	160	135	150	22	3	4	8-18	175	160	496
	100	80	250	200		150	168	32	3	4.5	8-26	100	235	190	176	24	3	4.5	8-23	190	180	530	
	150	100	345	280		204	240	38	3	4.5	8-34	150	300	250	218	260	30	3	4.5	8-26	280	260	657
	A41H-100 A41Y-100P A41Y-100R	20	15	130	90		51	68	22	2	4	4-18	20	105	75	55	58	16	2	4	4-14	100	95
25		20	140	100		58	78	24	2	4	4-18	25	115	85	65	66	16	2	4	4-14	100	95	265
32		25	155	110		66	82	24	2	4	4-23	32	140	100	78	76	18	2	4	4-18	115	105	279
40		32	170	125		76	95	26	3	4	4-23	40	150	110	85	88	18	3	4	4-18	135	115	330
50		40	195	145		88	112	28	3	4	4-26	50	165	125	100	110	20	3	4	4-18	160	125	360
65		50	220	170		110	138	32	3	4	8-26	65	185	145	120	121	22	3	4	8-18	175	160	503
80		65	230	180		121	148	34	3	4	8-26	80	200	160	135	150	22	3	4	8-18	175	160	493
100		80	265	210		150	172	38	3	4.5	8-30	100	235	190	176	24	3	4.5	8-23	190	180	530	
150		100	355	290		204	250	46	3	4.5	12-34	150	300	250	218	260	30	3	4.5	8-26	280	260	657

□ 系列 Series

A47H-16C A47Y-64 本厂阀门适用于工作温度≤350℃的蒸汽、空气等介质的设备或管路上。作为超压保护装置。连接法兰标准按JB/T94的系列1。
A47H-25 A47H-64 This safety valve are used for the equipment and pipeline of the steam, air etc medium what the working temperature are less than 350℃. Take for extre pressure protection devices. Flange connecting dimensions of comply with Standard series first of JB/T-94.
A47H-40 A47Y-100
A47H-100



□ 主要零部件材料 Materials For Main Parts

NO	零件名称 Name of part	材料 Materials
1	阀体 Body	WCB
2	阀座 Seat	ZG2Cr13
3	调节圈 Adjustig ring	ZG2Cr13
4	阀瓣 Disc	2Cr13
5	导向套 Guide sieve	2Cr13
6	阀盖 Bonnet	ZG230/450
7	弹簧 Spring	50CrVA
8	阀杆 Stem	2Cr13
9	扳手 Levr	ZG200-400
10	调整螺杆 Adjusting bolt	45
11	保护罩 Cap	ZG200-400
	密封材料 Seating surface of material	"H" 型堆焊D507, "Y" 堆焊Co基硬质合金 "H" type depositing d507, "Y" type depositing stellite

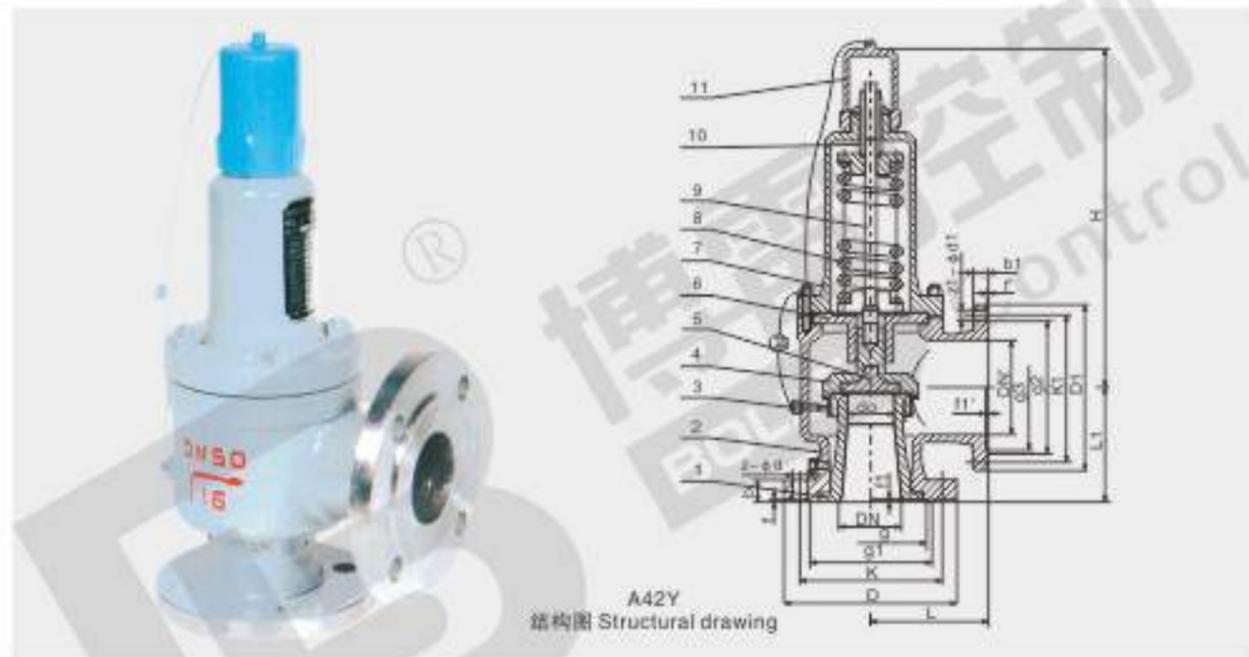
□ 外形尺寸和连接尺寸 Dimensions(mm)

型号 Type	公称口径 (DN)	d0	D	K	g	g1	b	f	f1	Z-φd	DN'	D1	k1	g2	g'	b1	f'	f1'	Z1-φd1	L	L1	~H
A47H-16C	20	15	105	75		55	16	2		4-14	20	105	75	55		16	2		4-14	100	85	270
	25	20	115	85		65	16	2		4-14	25	115	85	65		16	2		4-14	100	85	270
	32	25	140	100		78	18	2		4-18	32	140	100	78		18	2		4-18	115	100	312
	40	32	150	110		85	18	3		4-18	40	150	110	85		18	3		4-18	120	110	320
	50	40	165	125		100	20	3		4-18	50	165	125	100		20	3		4-18	135	120	390
	65	50	185	145		120	20	3		4-18	65	185	145	120		20	3		4-18	140	130	395
	80	65	200	160		135	20	3		8-18	80	200	160	135		20	3		8-18	160	135	400
	100	80	220	180		155	22	3		8-18	100	220	180	155		22	3		8-18	170	160	600
	125	100	250	210		185	22	3		8-18	125	250	210	185		22	3		8-18	190	190	620
	150	125	285	240		210	24	3		8-23	150	285	240	210		24	3		8-23	205	195	625
	200	150	340	295		265	26	3		12-23	200	340	295	265		26	3		12-23	240	230	798
250	200	405	355		320	30	3		12-26	250	405	355	320		30	3		12-26	350	320	981	
300	250	460	410		375	30	4		12-26	300	460	410	375		30	4		12-26	350	320	1005	
A47H-25	20	15	105	75		55	16	2		4-14	20	105	75	55		16	2		4-14	100	85	270
	25	20	115	85		65	16	2		4-14	25	115	85	65		16	2		4-14	100	85	270
	32	25	140	100		78	18	2		4-18	32	140	100	78		18	2		4-18	115	100	312
	40	32	150	110		85	18	3		4-18	40	150	110	85		18	3		4-18	120	110	320
	50	40	165	125		100	20	3		4-18	50	165	125	100		20	3		4-18	135	120	390
	65	50	185	145		120	22	3		8-18	65	185	145	120		20	3		4-18	140	130	395
	80	65	200	160		135	24	3		8-18	80	200	160	135		20	3		8-18	160	135	400
	100	80	230	190		160	24	3		8-23	100	220	180	155		20	3		8-18	170	160	600
	125	100	270	220		188	28	3		8-26	125	250	210	185		22	3		8-18	190	190	620
	150	125	300	250		218	30	3		8-26	150	285	240	210		24	3		8-23	205	195	625
	200	150	360	310		278	34	3		12-26	200	240	295	265		26	3		12-23	240	230	798
250	200	425	370		332	36	3		12-30	250	405	355	320		30	3		12-26	350	320	981	
300	250	485	430		390	40	4		16-30	300	460	410	375		30	4		12-26	350	320	1005	
A47H-40	20	15	105	75	51	55	16	2	4	4-14	20	105	75	55		16	2		4-14	100	85	270
	25	20	115	85	58	65	16	2	4	4-14	25	115	85	65		16	2		4-14	100	85	270
	32	25	140	100	66	78	18	2	4	4-18	32	140	100	78		18	2		4-18	115	100	312
	40	32	150	110	76	85	18	3	4	4-18	40	150	110	85		18	3		4-18	120	110	320
	50	40	165	125	88	100	20	3	4	4-18	50	165	125	100		20	3		4-18	135	120	390
	65	50	185	145	110	120	22	3	4	8-18	65	185	145	120		20	3		4-18	140	130	395
	80	65	200	160	121	135	22	3	4	8-18	80	200	160	135		20	3		8-18	160	135	400
	100	80	235	190	150	160	24	3	4.5	8-23	100	220	180	155		22	3		8-18	170	160	600
	125	100	270	220	178	188	28	3	4.5	8-26	125	250	210	185		22	3		8-18	190	190	620
	150	125	300	250	204	218	30	3	4.5	8-26	150	285	240	210		24	3		8-23	205	195	625
	200	150	375	320	260	282	38	3	4.5	12-30	200	340	295	265		26	3		12-23	240	230	798
250	200	450	385	313	345	42	3	4.5	12-34	250	405	355	320		30	3		12-26	350	320	981	
300	250	515	450	364	408	46	4	4.5	16-34	300	460	410	375		30	4		12-26	350	320	1005	
A47H-64 A47Y-64	20	15	130	90	51	68	20	2	4	4-18	20	105	75	55	58	16	2	4	4-14	100	95	301
	25	20	140	100	58	78	22	2	4	4-18	25	115	85	65	66	16	2	4	4-14	100	95	301
	32	25	155	110	66	82	24	2	4	4-23	32	140	100	78	76	18	2	4	4-18	115	105	312
	40	32	170	125	76	95	24	3	4	4-23	40	150	110	85	88	18	3	4	4-18	135	115	366
	50	40	180	135	88	105	26	3	4	4-23	50	165	125	100	110	20	3	4	4-18	160	125	396
	65	50	205	160	110	130	28	3	4	8-23	65	185	145	120	121	22	3	4	8-18	175	160	570
	80	65	215	170	121	140	30	3	4	8-23	80	200	160	135	150	22	3	4	8-18	175	160	565
A47H-100 A47Y-100	100	80	250	200	150	168	32	3	4.5	8-26	100	235	190	160	176	24	3	4.5	8-23	190	180	597
	150	100	345	280	204	240	38	3	4.5	8-34	150	300	250	218	260	30	3	4.5	8-26	280	260	738
	20	15	130	90	51	68	22	2	4	4-18	20	105	75	55	58	16	2	4	4-14	100	95	301
	25	20	140	100	58	78	24	2	4	4-18	25	115	85	65	66	16	2	4	4-14	100	95	301
	32	25	155	110	66	82	24	2	4	4-23	32	140	100	78	76	18	2	4	4-18	115	105	312
	40	32	170	125	76	95	26	3	4	4-23	40	150	110	85	88	18	3	4	4-18	135	115	366
	50	40	195	145	88	112	28	3	4	4-26	50	165	125	100	110	20	3	4	4-18	160	125	396
65	50	220	170	110	138	32	3	4	8-26	65	185	145	120	121	22	3	4	8-18	175	160	570	
80	65	230	180	121	148	34	3	4	8-26	80	200	160	135	150	22	3	4	8-18	175	160	565	
100	80	265	210	150	172	38	3	4.5	8-30	100	235	190	160	176	24	3	4.5	8-23	190	180	597	
150	100	355	290	204	250	46	3	4.5	12-34	150	300	250	218	260	30	3	4.5	8-26	280	260	738	

系列 Series

- A42Y-16C A42Y-64 A42Y-100
- A42Y-16P A42Y-40P A42Y-100P
- A42Y-16R A42Y-40R A42Y-100R
- KA42Y-16 KA42Y-40(P) KA42Y-100(P)
- DA42Y-16(P) DA42Y-40(P) DA42Y-100(P)
- A42Y-25 A42Y-64
- A42Y-25P A42Y-84P
- A42Y-25R A42Y-84R
- KA42Y-25(P) KA42Y-84(P)
- DA42Y-25(P) DA42Y-84(P)

A42Y-C型适用于工作温度 $\leq 300^{\circ}\text{C}$ 空气、石油气、液体等介质的设备和管路上。
A42Y-P型及A42Y-R型适用于工作温度 $\leq 200^{\circ}\text{C}$ 有腐蚀性的介质的设备和管路上；
作为超压保护装置。
连接法兰标准按JB/T.....94系列1。 $\geq 6.4\text{MPa}$ 按JB/T.....94系列2。
A42Y-C type are used to the equipment and pipeline of the air, petroleum gas, liquid etc medium what the working temperature are less than 300°C .
A42Y-P type and A42Y-R type are used for the equipment and pipeline of the quality with corode medium what the working temperature are less than 200°C . Take for extra pressure protection devices.
Flange connecting dimensions of comply with Standard series First of JB/T.....94. Comply with Standard seriestwice of JB/T.....94 when more than 6.4MPa.



主要零部件材料 Materials For Main Parts

NO	零件名称 Name of part	A42Y-C/KA42Y-C 材料 Materials	A42Y-C/KA42Y-C 材料 Materials	A42Y-R 材料 Materials	A42Y-P 材料 Materials
1	阀体 Body	2Cr13/1Cr18Ni9Ti	2G1Cr18Ni9Ti	2G1Cr18Ni12Mo2Ti	ZG1Cr18Ni9Ti
2	阀座 Seat	WCB	2G1Cr18Ni9Ti	2G1Cr18Ni12Mo2Ti	LCB/ZG1Cr18Ni9Ti
3	调节圈 Adjusting ring	2Cr13/1Cr18Ni9Ti	1Cr18Ni9Ti	Cr18Ni12Mo2Ti	1Cr18Ni9Ti
4	阀瓣 Disc	2Cr13/1Cr18Ni9Ti	1Cr18Ni9Ti	Cr18Ni12Mo2Ti	1Cr18Ni9Ti
5	反冲盘 Disc holder	2Cr13/1Cr18Ni9Ti	1Cr18Ni9Ti	Cr18Ni12Mo2Ti	1Cr18Ni9Ti
6	导向套 Guide sleeve	2Cr13/1Cr18Ni9Ti	1Cr18Ni9Ti	Cr18Ni12Mo2Ti	1Cr18Ni9Ti
7	阀盖 Bonnet	ZG230-450	ZG230-450	ZG230-450	ZG1Cr18Ni9Ti
8	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon	50CrVA
9	阀杆 Stem	2Cr13	1Cr18Ni9Ti/1Cr12NO2Ti	1Cr18Ni9Ti/1Cr12NO2Ti	1Cr18Ni9Ti
10	调整螺杆 Adjusting bolt	45	2Cr13	2Cr13	2Cr13
11	阀帽 Cap	ZG200-400	ZG200-400	ZG200-400	ZG230-450
	密封面材料 Sealing surface of material	堆焊Co基硬质合金 Depositing stellite			

外形尺寸和连接尺寸 Dimensions(mm)

型号 Type	公称口径 (DN)	d0	D	K	g	g1	b	f	f1	Z-Φd	DN'	D1	K1	g2	g3	b1	f'	f1'	Z1-Φd1	L	L1	-h
A42Y-16C A42Y-16P A42Y-16R KA42Y-16C DA42Y-16C(P)	20	15	105	75		55	16	2		4-14	25	115	85		65	16	2		4-14	110	95	378
	25	16	115	85		65	18	2		4-14	32	140	100		78	18	2		4-18	110	95	378
	32	20	140	100		78	18	2		4-18	40	150	110		85	18	3		4-18	115	100	378
	40	25	150	110		85	18	3		4-18	50	165	125		100	20	3		4-18	120	110	406
	50	32	165	125		100	20	3		4-18	65	185	145		120	20	3		4-18	135	120	450
	65	40	185	145		120	20	3		4-18	80	200	160		135	20	3		8-18	160	140	520
	80	50	200	160		135	20	3		8-18	100	220	180		155	22	3		8-18	170	135	525
	100	65	220	180		155	22	3		8-18	125	250	210		185	22	3		8-18	195	175	690
	125	80	250	210		185	22	3		8-18	150	285	240		210	24	3		8-23	210	190	780
	150	100	285	240		210	24	3		8-23	175	310	270		240	26	3		8-23	255	230	838
	200	125	340	295		265	26	3		12-23	250	405	355		320	30	3		12-26	300	260	992
250	150	405	355		320	30	3		12-26	300	460	410		375	30	4		12-26	350	320	1256	
300	220	460	410		375	30	4		12-26	400	580	525		485	36	4		16-30	370	350	1283	
350	250	520	470		435	34	4		16-26	500	715	650		608	44	4		20-34	500	450	1520	
400	280	580	525		485	36	4		16-30	500	715	650		608	44	4		20-34	500	450	1530	
A42Y-25C A42Y-25P A42Y-25R KA42Y-25C DA42Y-25C(P)	20	15	105	75		55	16	2		4-14	25	115	85		65	16	2		4-14	110	95	378
	25	16	115	85		65	18	2		4-14	32	140	100		78	18	2		4-18	110	95	378
	32	20	140	100		78	18	2		4-18	40	150	110		85	18	3		4-18	115	100	378
	40	25	150	110		85	18	3		4-18	50	165	125		100	20	3		4-18	120	110	406
	50	32	165	125		100	20	3		4-18	65	185	145		120	20	3		4-18	135	120	450
	65	40	185	145		120	22	3		8-18	80	200	160		135	20	3		8-18	160	140	520
	80	50	200	160		135	24	3		8-18	100	220	180		155	22	3		8-18	170	135	525
	100	65	230	190		160	24	3		8-23	125	250	210		185	22	3		8-18	195	175	690
	125	80	270	220		188	28	3		8-26	150	285	240		210	24	3		8-23	210	190	780
	150	100	300	250		218	30	3		8-26	175	310	270		240	26	3		8-23	255	230	838
	200	125	360	310		278	34	3		12-26	250	405	355		320	30	3		12-26	300	260	992
250	150	425	370		332	36	3		12-30	300	460	410		375	30	3		16-30	350	320	1268	
300	220	485	430		390	40	4		16-30	400	580	525		485	36	4		4-14	370	350	1283	
A42Y-40C A42Y-40P A42Y-40R KA42Y-40C DA42Y-40C(P)	20	15	105	75	51	55	16	2	4	4-14	25	115	85		65	16	4		4-18	110	95	378
	25	16	115	85	58	65	16	2	4	4-14	32	140	100		78	18	2		4-18	110	95	378
	32	20	140	100	66	78	18	2	4	4-18	40	150	110		85	18	2		4-18	115	100	378
	40	25	150	110	76	85	18	3	4	4-18	50	165	125		100	20	3		4-18	120	110	406
	50	32	165	125	88	100	20	3	4	4-18	65	185	145		120	20	3		4-18	135	120	450
	65	40	185	145	110	120	22	3	4	8-18	80	200	100		135	20	3		8-18	160	140	520
	80	50	200	160	121	135	22	3	4	8-18	100	220	180		155	22	3		8-18	170	135	525
	100	65	235	190	150	160	24	3	4.5	8-23	125	250	210		185	22	3		8-18	195	175	690
	125	80	270	220	176	188	28	3	4.5	8-26	150	285	240		210	24	3		8-23	210	190	780
	150	100	300	250	204	218	30	3	4.5	8-26	175	310	270		240	26	3		8-23	255	230	838
	200	125	375	320	260	282	38	3	4.5	12-30	250	405	355		320	30	3		12-26	300	260	992
250	150	450	385	313	345	42	3	4.5	12-34	300	460	410		375	30	3		12-26	350	320	1266	
A42Y64 A42Y-84P A42Y-84R KA42Y-84P DA42Y-84P(P)	20	10	125	90	51	68	20	2	4	4-18	25	115	85	58	65	16	4	4	4-14	96	85	264
	25	16	140	100	58	78	22	2	4	4-18	32	140	100	66	78	18	2	4	4-18	110	100	277
	32	20	155	110	66	82	22	2	4	4-23	40	150	110	76	85	18	2	4	4-18	130	110	289
	40	25	170	125	76	95	24	3	4	4-23	50	165	125	88	100	20	3	4	4-18	130	120	319
	50	32	180	135	88	105	24	3	4	4-23	65	185	145	110	120	22	3	4	8-18	135	130	289
	65	40	205	160	110	130	26	3	4	8-23	80	200	160	121	135	22	3	4	8-18	175	160	493
	80	50	215	170	121	140	28	3	4	8-23	100	235	190	150	160	24	3	4.5	8-23	175	160	483
	100	65	250	200	150	168	30	3	4.5	8-26	125	270	220	176	188	28	3	4.5	8-25	195	195	613
	150	100	345	280	204	240	32	3	4.5	8-34	200	375	320	260	282	38	3	4.5	12-30	280	265	894
	20	10	125	90	51	68	20	2	4	4-18	25	115	85	58	65	16	3	4	4-14	96	85	264
	25	16	140	100	58	78	22	2	4	4-18	32	140	100	66	78	18	2	4	4-18	110	100	277
32	20	155	110	66	82	24	2	4	4-23	40	150	110	76	85	18	2	4	4-18	130	110	289	
40	25	170	125	76	95	26	3	4	4-23	50	165	125	88	100	20	3	4	4-18	130	120	319	
50	32	195	145	88	112	28	3	4	4-26	65	185	145	110	120	22	3	4	8-18	135	130	389	
65	32	220	170	110	138	32	3	4	8-26	80	200	160	121	135	22	3	4	8-18	175	160	493	
80	40	230	180	121	148	34	3	4	8-26	100	235	190	150	160	24	3	4.5	8-23	175	160	483	
100	50	265	210	150	172	38	3	4.5	8-30	125	270	220	176	188	28	3	4.5	8-25	195	195	613	
150	80	355	290	204	250	46	3	4.5	12-34	200	375	320	260	282	38	3	4.5	12-30	280	265	894	

系列 Series

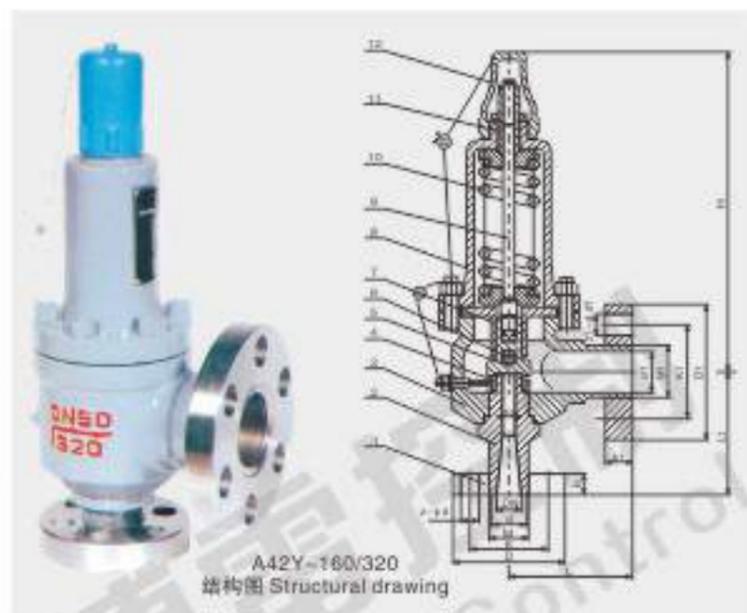
A42Y-160 A42Y-320P
A42Y-320 A42Y-160R
A42Y-160P A42Y-320R

A42Y-160/320适用于工作温度 $\leq 200^{\circ}\text{C}$ 的空气、氮氢混合气等介质的设备或管路上。A42Y160P/320P、A42Y-160R/320R适用于工作温度 $\leq 200^{\circ}\text{C}$ 有腐蚀性介质的设备或管路上。作为超压保护装置。

连接法兰按JB/T2769-92的标准。

A42Y-160/320 type are Used for the equipment and pipeline of the air, N₂, H₂ mixed gas, etc. medium what the working temperature are less than 200 °C. A42Y-160R/320R, A42Y-160P/320P, type are used for the equipment and pipeline of the quality with corrode medium what the working temperature are less than 200 °C, than for extra pressure protection devices.

Flange connecting dimensions of comply with Standard of JB/T2769-92.



A42Y-160/320
结构图 Structural drawing

主要零部件材料 Materials For Main Parts

No	零件名称 Name of part	A42Y-160 KA42Y-230	材料 Materials	A42Y-160P A42Y-320P	材料 Materials	A42Y-160R A42Y-320R	材料 Materials
1	法兰 Flange	35/35CrMoA		2Cr13		1Cr18Ni12Mo2Ti	
2	阀座 Seat	2Cr13		1Cr18Ni9Ti		1Cr18Ni12Mo2Ti	
3	阀体 Body	40		1Cr18Ni9Ti		1Cr18Ni12Mo2Ti	
4	调节阀 Adjusting ring	2Cr13		1Cr18Ni9Ti		1Cr18Ni12Mo2Ti	
5	阀瓣 Disc	2Cr13		1Cr18Ni9Ti		1Cr18Ni12Mo2Ti	
6	反冲盘 Disc holder	2Cr13		1Cr18Ni9Ti		1Cr18Ni12Mo2Ti	
7	导向套 Guide sleeve	2Cr13		1Cr18Ni9Ti		1Cr18Ni12Mo2Ti	
8	阀盖 Bonnet	ZG230-450		ZG230-450		ZG230-450	
9	阀杆 Stem	2Cr13		1Cr18Ni9Ti		1Cr18Ni9Ti	
10	弹簧 Spring	50CrVA		50CrVA包裹聚酰材料 Coated Teflon		50CrVA包裹聚酰材料 Coated Teflon	
11	调整螺栓 Adjusting bolt	45		2Cr13		2Cr13	
12	阀帽 Cap	ZG200-400		ZG200-400		ZG200-400	
	密封面材料 Sealing surface of material		堆焊Co基硬质合金 Depositing stellite				

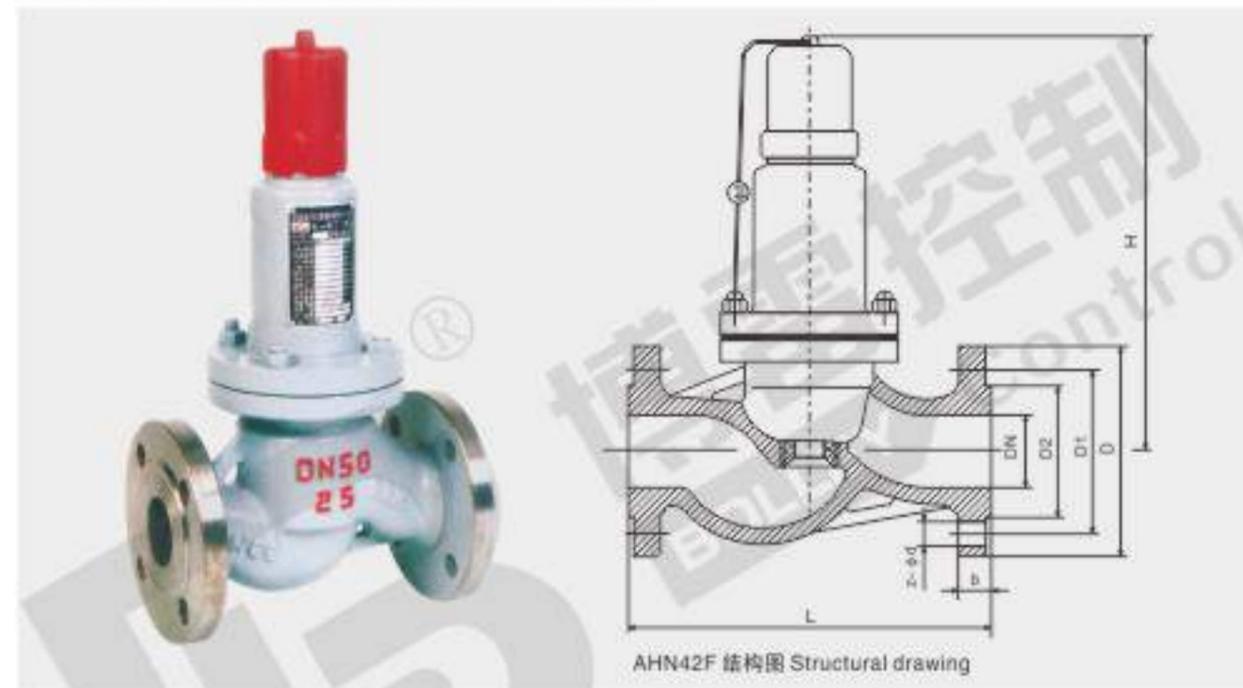
外形尺寸和连接尺寸 Dimensions (mm)

型号 Type	公称口径 (DN)	d0	d	M	K	D	Z-Φd	b	d1	M1	K1	D1	Z-Φd1	b1	L	L1	-H
A42Y-160	15	8	20	M24×2	60	95	3-18	20	29	M42×2	80	115	4-18	22	95	100	220
	20	8	27	M33×2	68	105	3-18	20	29	M42×2	80	115	4-18	22	95	100	220
	25	14	28	M33×2	68	105	3-18	20	50	M64×3	115	165	6-26	32	150	150	280
	32	15	37	M42×2	80	115	4-18	22	50	M64×3	115	165	6-26	32	150	150	390
	40	20	47	M52×2	115	165	6-26	28	65	M80×3	145	200	6-29	40	180	180	495
A42Y-320	50	25	59	M64×2	115	165	6-26	32	80	M100×3	170	225	6-33	50	165	165	400
	15	8	27	M33×2	68	105	3-18	20	29	M42×2	80	115	4-18	22	95	100	220
	20	8	30	M33×2	75	110	3-18	22	29	M42×2	80	115	4-18	22	95	100	220
	25	14	35	M42×2	80	115	4-18	22	50	M64×3	115	165	6-26	32	150	150	280
	32	15	41	M48×2	95	135	4-22	25	50	M64×3	115	165	6-26	32	150	150	390
A42Y-400	40	20	58	M64×2	115	165	6-26	32	65	M80×3	145	200	6-29	40	180	180	495
	50	25	70	M80×2	145	200	6-29	40	80	M100×3	170	225	6-33	50	165	165	400

AHN42F-P18
用途 Purpose

本阀门安装于液化石油气站罐泵出口的液相回流管道上，当泵前压力超过规定值时，阀门自动开启并起安全回流作用，保证设备和管道的安全运行。

This valve is mounted on the liquidoid reflux pipeline of the pan pump's outlet of the liquefied petroleum gas station, when front pump pressure exceeds the stipulated value, the valve will open automatically and lead to safe return of the liquid so that ensures the safe operation of equipments and pipelines.



AHN42F 结构图 Structural drawing

外形尺寸和连接尺寸 Dimensions (mm)

公称口径 Nominal diameter DN (mm)	尺寸 Dimension (mm)						
	D	D1	D2	b	Z-Φd	L	H
40	150	110	85	16	4-18	200	236
50	165	125	100	16	4-18	230	266
65	185	145	120	20	4-18	290	430
80	200	160	135	20	8-18	310	490
100	215	180	155	22	8-18	350	548
150	280	240	210	24	8-23	480	706

系列Series

A48Y-18C A44Y-16P
A48Y-25 A44Y-25P
A48Y-40 A44Y-40P
A48Y-64 A44Y-64P
A48Y-100 A44Y-100P

A44Y-16C A44Y-16R
A44Y-25 A44Y-25R
A44Y-40 A44Y-40R
A44Y-64 A44Y-64R
A44Y-100 A44Y-100R

A48Y型适用于工作温度 $\leq 350^{\circ}\text{C}$ 的蒸汽、空气等介质的设备和管路上。A44Y型适用于工作温度 $\leq 300^{\circ}\text{C}$ 的空气、石油等介质的设备或管路上，作为超压保护装置。

连接法兰标准PN $\leq 6.4\text{MPa}$ 按JB/T-94系列1。PN $\geq 6.4\text{MPa}$ 按JB/T-94系列2标准。

A48Y type are used for the equipment and pipeline of the with steam and air etc medium what the working temperature are less than 350°C . A44Y type are used for the equipment and pipeline of the with air and petroleum gas medium what the working temperature are less than 300°C . Take for extra pressure protection devices.

Flange connecting dimensions of comply with Standard series first of JB/T-94 when the pressure less than 6.4MPa, comply with Standard series second of JB/T-94 when more than 6.4MPa.



主要零部件材料 Materials For Main Parts

NO	零件名称 Name of part	A48Y-C A44Y-C 材料 Materials	A44Y-P 材料 Materials	A44Y-R 材料 Materials
1	阀体 Body	WCB	ZG1Cr18Ni9Ti	CF8M
2	阀座 Seat	2Cr13	1Cr18Ni9Ti	316
3	调节圈 Adjusting ring	ZG2Cr13	ZG1Cr18Ni9Ti	0Cr18Ni12Mo2Ti
4	反冲盘 Disc holder	ZG2Cr13	ZG1Cr18Ni9Ti	316
5	阀瓣 Disc	2Cr13	1Cr18Ni9Ti	316
6	导向套 Guide sleeve	2Cr13	1Cr18Ni9Ti	0Cr18Ni12Mo2Ti
7	阀盖 Bonnet	ZG230-450	ZG230-450	ZG230-450
8	弹簧 Spring	50CrVA	50CrVA包裹氟塑料 Coated Teflon	50CrVA包裹氟塑料 Coated Teflon
9	阀杆 Stem	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
10	扳手 Lever	ZG200-400	ZG200-400	ZG200-400
11	调整螺杆 Adjusting bolt	45	2Cr13	2Cr13
12	保护罩 Cap	ZG200-400	ZG200-400	316
	密封面材料 Sealing surface of material	堆焊Co基硬质合金 Depositing stellite		

外形尺寸和连接尺寸 Dimensions

型号 Type	公称 口径 (DN)	d0	D	K	g	g1	b	f	f1	Z-Φd	DN'	D1	K1	g2	g3	b1	f'	f1'	Z1-Φd1	L	L1	-h
A48Y-16C A44Y-16C A44Y-16P A44Y-16R	20	15	105	75		55	16	2		4-14	25	115	85		65	18	2		4-14	110	95	411
	25	16	115	85		65	16	2		4-14	32	140	100		78	18	2		4-18	110	95	411
	32	20	140	100		78	18	2		4-18	40	150	110		85	18	3		4-18	115	100	411
	40	25	150	110		85	18	3		4-18	50	165	125		100	20	3		4-18	120	110	472
	50	32	165	125		100	20	3		4-18	65	185	145		120	20	3		4-18	135	120	532
	65	40	185	145		120	20	3		4-18	80	200	160		135	20	3		8-18	160	140	556
	80	50	200	160		135	20	3		8-18	100	220	180		155	22	3		8-18	170	135	561
	100	65	220	180		155	20	3		8-18	125	250	210		185	22	3		8-18	195	175	667
	125	80	250	210		185	22	3		8-18	150	285	240		210	24	3		8-23	210	190	857
	150	100	285	240		210	24	3		8-23	175	310	270		240	26	3		8-23	255	230	915
	200	125	340	295		265	26	3		12-23	250	405	355		320	30	3		12-26	300	260	1073
	250	150	405	355		320	30	3		12-26	300	460	410		375	30	4		12-26	350	320	1307
300	220	460	410		375	30	4		12-26	400	580	525		485	36	4		16-30	370	350	1233	
350	250	520	470		435	34	4		16-26	500	715	650		608	44	4		20-34	500	450	1711	
400	280	580	525		485	36	4		16-30	500	715	650		608	44	4		20-34	500	450	1780	
A48Y-25 A44Y-25 A44Y-25P A44Y-25R	20	15	105	75		55	16	2		4-14	25	115	85		65	18	2		4-14	110	95	411
	25	16	115	85		65	16	2		4-14	32	140	100		78	18	2		4-18	110	95	411
	32	20	140	100		78	18	2		4-18	40	150	110		85	18	3		4-18	115	100	411
	40	25	150	110		85	18	3		4-18	50	165	125		100	20	3		4-18	120	110	472
	50	32	165	125		100	20	3		4-18	65	185	145		120	20	3		4-18	135	120	532
	65	40	185	145		120	22	3		8-18	80	200	160		135	20	3		4-18	160	140	556
	80	50	200	160		135	22	3		8-18	100	220	180		155	22	3		8-18	170	135	561
	100	65	230	190		160	24	3		8-23	125	250	210		185	22	3		8-18	195	175	667
	125	80	270	220		188	26	3		8-26	150	285	240		210	24	3		8-18	210	190	857
	150	100	300	250		218	30	3		8-26	175	310	270		240	26	3		8-23	255	230	915
	200	125	360	310		278	34	3		12-26	250	405	355		320	30	3		8-23	300	260	1073
	250	150	425	370		332	36	3		12-30	300	460	410		375	30	4		12-26	350	320	1307
300	220	485	430		390	40	4		16-30	400	580	525		485	36	4		12-26	370	350	1233	
350	250	555	490		448	44	4		16-34	500	715	650		608	44	4		16-30	500	450	1711	
400	280	620	550		505	48	4		16-36	500	715	650		608	44	4		20-34	500	450	1780	
A48Y-40 A44Y-40 A44Y-40P A44Y-40R	20	15	105	75	51	55	16	2	4	4-14	25	115	85		65	16	2		20-34	110	95	411
	25	16	115	85	58	65	16	2	4	4-14	32	140	100		78	18	2		4-14	110	95	411
	32	20	140	100	66	78	18	2	4	4-18	40	150	110		85	18	3		4-14	115	100	411
	40	25	150	110	76	85	18	3	4	4-18	50	165	125		100	20	3		4-18	120	110	472
	50	32	165	125	88	100	20	3	4	4-18	65	185	145		120	20	3		4-18	135	120	532
	65	40	185	145	110	120	22	3	4	8-18	80	200	160		135	20	3		8-18	160	140	556
	80	50	200	160	121	135	22	3	4	8-18	100	220	180		155	22	3		8-18	170	135	561
	100	65	235	190	150	160	24	3	4.5	8-23	125	250	210		185	22	3		8-18	195	175	697
	125	80	270	220	176	188	26	3	4.5	8-26	150	285	240		210	24	3		8-23	210	190	857
	150	100	300	250	204	218	30	3	4.5	8-26	175	310	270		240	26	3		8-23	255	230	915
	200	125	375	320	260	282	38	3	4.5	12-30	250	405	355		320	30	3		12-26	300	260	1073
	250	150	450	385	313	345	42	3	4.5	12-34	300	460	410		375	30	4		12-26	350	320	1307
300	220	515	450	364	408	46	4	4.5	16-34	400	580	525		485	36	4		16-30	370	350	1233	
350	250	580	510	422	465	52	4	5	16-36	500	715	650		608	44	4		20-34	500	450	1711	
400	280	660	585	474	535	58	4	5	16-41	500	715	650		608	44	4		20-34	500	450	1711	
A48Y-64 A44Y-64 A44Y-64P A44Y-64R	20	10	125	90	51	68	22	2	4	4-18	25	115	85	58	65	16	2	4	4-14	96	85	297
	25	16	140	100	58	78	22	2	4	4-18	32	140	100	66	78	18	2	4	4-18	110	100	310
	32	20	155	110	66	82	24	2	4	4-23	40	150	110	76	85	18	3	4	4-18	130	110	322
	40	25	170	125	76	95	24	3	4	4-23	50	165	125	88	100	20	3	4	4-18	135	120	352
	50	32	180	135	88	105	26	3	4	4-23	65	185	145	110	120	22	3	4	8-18	155	130	425
	65	40	205	160	110	130	28	3	4	8-23	80	200	160	121	135	22	3	4	8-18	175	160	570
A48Y-100 A44Y-100 A44Y-100P A44Y-100R	80	50	215	170	121	140	30	3	4	8-23	100	235	190	150	160	24	3	4.5	8-23	175	160	560
	100	65	250	200	150	168	32	3	4.5	8-26	125	270	220	176	188	28	3	4.5	8-25	195	195	690
	150	100	345	280	204	240	38	3	4.5	8-34	200	375	320	260	282	38	3	4.5	12-30	280	265	935
	20	10	125	90	51	68	22	2	4	4-18	25	115	85	58	65	16	2	4	4-18	96	85	297
	25	16	140	100	58	78	24	2	4	4-18	32	140	100	66	78	18	2	4	4-18	110	100	310
	32	20	155	110	66	82	24	2	4	4-23	40	150	110	76	85	18	3	4	4-18	130	110	322
A48Y-100 A44Y-100 A44Y-100P A44Y-100R	40	25	170	125	76	95	26	3	4	4-23	50	165	125	88	100	20	3	4	4-18	135	120	352
	50	32	195	145	88	112	28	3	4	4-26	65	185	145	110	120	22	3	4	8-18	155	130	425
	65	32	220	170	110	138	32	3	4	8-26	80	200	160	121	135	22	3	4	8-18	175	160	570

□ 系列 Series

A21F-16C A21W-16P K21Y-16C
A21H-16C A21W-40P K21Y-16P
A21H-40C A21F-40P A21Y-16R
A21H-64C A21W-64P A21Y-40R
A21Y-100 A21W-100P A21Y-64R
A21H-160 A21W-16P A21Y-100R
A21Y-160R

A21F、A21H-C型适用于工作温度 $\leq 200^{\circ}\text{C}$ 的空气、氨、石油气……等介质的设备或管路上。A21W-P、R型适用于温度 $\leq 200^{\circ}\text{C}$ 有腐蚀性气体或液体的设备或管路上，作为超压保护装置。KA21Y型适用于温度 $\leq 100^{\circ}\text{C}$ 的液化石油气等。

A21F、A21H-C type are used for the equipment and pipeline of the air, ammonia, petroleum gas, etc, medium what the working temperature are less than 200°C . A21W-P, R type are used for the equipment and pipeline of the quality with corode gas and liquid medium what the working temperature are less than 200°C . Take for extrapressure protection devices. KA21Y type are used for liquefied petroleum gas what the working temperature are less than 100°C .



A21型
结构图 Structural drawing

□ 主要零部件材料 Materials For Main Parts

NO	零件名称 Name of part	A21H/A21F 材料 KA21Y-C Materials	A21W-P/A21F-P 材料 KA21Y-p Materials	A21Y-R 材料 Materials
1	管接头 Union	20	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
2	管接头螺母 Union nut	35	2Cr13	1Cr18Ni9Ti
3	阀座 Seal	35	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
4	阀体 Body	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
5	阀瓣 Disc	2Cr13/2Cr13+PTFE	1Cr18Ni9Ti/1Cr18Ni9Ti+PTFE	1Cr18Ni12Mo2Ti
6	弹簧座 Spring washer	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
7	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon
8	锁紧螺母 Lacking nut	Q235-A	2Cr13	1Cr18Ni9Ti
9	弹簧导向垫 Spring guide	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
10	调节螺母 Adjusting nut	Q235-A	2Cr13	1Cr18Ni12Mo2Ti
	密封面材料 Sealing surface of material	"Y" 型堆焊Co基硬质合金 Depositing stellite, "H" 型堆焊D507 Depositing D507, "Y" 型为阀门体 Body		

□ 外形尺寸和连接尺寸 Dimensions

型号 Type	公称通径(DN) Nominal diameter	d0	d	D0	M	d1	D1	L	L1	-H
KA21-16C A21H-16C A21H-40 A21W-16P A21W-40P KA21-16P	15	12	15	20	M27×1.5	G1/2"	30	35	76	66
	20	16	20	25	M33×1.5	G3/4"	34	40	87	68
	25	18	25	31	M39×1.5	G1"	40	52	100	105
A21Y-64 A21Y-16P A21Y-40 A21Y-100 A21Y-100P	15	10	15	25	M39×1.5	G1"	44	52	100	66
	20	10	20	31	M39×1.5	G1"	44	52	100	68
	25	12	25	31	M39×1.5	G1"	44	52	100	105
A21W-160 /160P	15	8	20	/	M24×2	G1"	44	52	100	261
	20	8	25	/	M33×2	G1"	44	52	100	261
	25	8	28	/	M36×2	G1"	44	52	100	285

□ 系列 Series

A27H-10 A27Y-10P A27Y-10R
A27H-16 A27Y-16P A27Y-16R
A27H-25 A27Y-25P A27Y-25R
A27H-40 A27Y-40P A27Y-40R

A27H型适用于工作温度 $\leq 200^{\circ}\text{C}$ 的水、空气、蒸气等介质的设备或管路上。A27Y适用于工作温度 $\leq 200^{\circ}\text{C}$ 有腐蚀性介质的设备或管路上，作为超压保护装置。

A27H type are used for the equipment and pipeline of water, air, steam etc, medium what the working temperature are less than 200°C . A27Y type are used for the equipment and pipeline of the quality with corode medium what the working temperature are less than 200°C . Take for extre pressure devices.



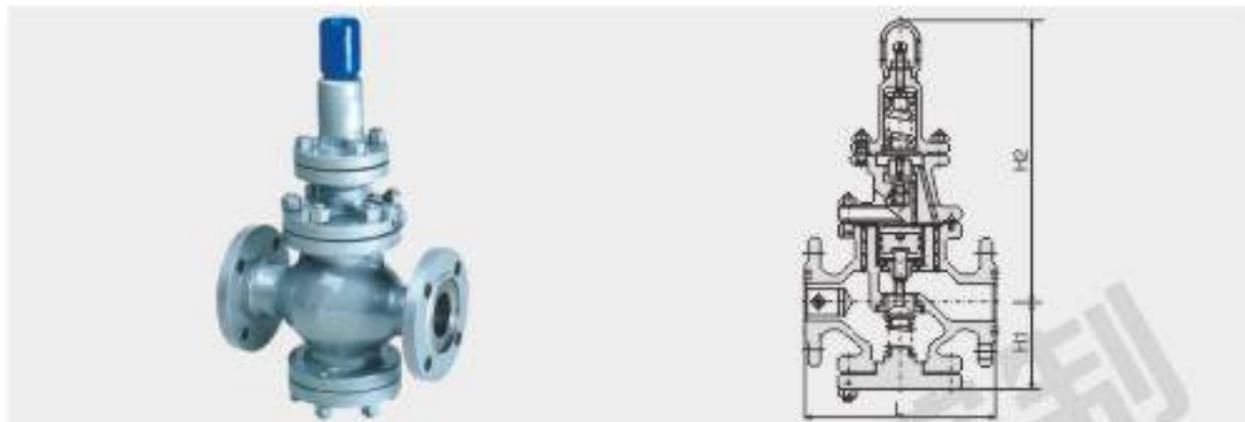
A27H(W)
结构图 Structural drawing

□ 主要零部件材料 Materials For Main Parts

NO	零件名称 Name of part	A27H 材料 Materials	A27W-P 材料 Materials	A27W-R 材料 Materials
1	阀体 Body	HT350	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
2	阀座 Seal	35	ZG1Cr18Ni9Ti	ZG1Cr18Ni12Mo2Ti
3	调节阀 Adjusting ring	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
4	阀瓣 Disc	2Cr13	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
5	弹簧 Spring	50CrVA	50CrVA包覆氟塑料 Coated Teflon	50CrVA包覆氟塑料 Coated Teflon
6	阀杆 Stem	2Cr13	2Cr13	1Cr18Ni9Ti
7	调整螺杆 Adjusting bolt	45	2Cr13	1Cr18Ni9Ti
8	保护罩 Cap	ZG200-400	ZG200-400	1Cr18Ni9Ti
	密封面材料 Sealing surface of material	堆焊D507 Depositing D507	堆焊Co基硬质合金 Depositing stellite	

□ 外形尺寸和连接尺寸 Dimensions

公称通径 Nominal diameter DN(mm)	尺寸 Dimensions (mm)					
	d0	Rc	L	L1	G	H
15	10	1/2"	40	65	1/2"	135
20	15	3/4"	45	65	3/4"	140
25	20	1"	45	76	1"	155
32	25	1 1/4"	55	85	1 1/4"	170
40	32	1 1/2"	60	90	1 1/2"	310
50	40	2"	67	105	2"	322
65	50	2 1/2"	76	128	2 1/2"	344
80	65	3"	110	148	3"	395



产品概述 Products Overview

Y43H蒸汽减压阀适用于蒸汽管路上。通过减压阀的调节，可使进口压力降至某一需要的出口压力，当进口压力或流量变动时，减压阀依靠介质本身的能量可自动保持出口压力在小范围内波动。

Y43H steam pressure reducing valve for steam piping. Through the adjustment of the pressure reducing valve, can make the inlet pressure drop to a outlet pressure, when the inlet pressure or flow changes Pressure valve depend on the energy of the medium itself can automatically maintain export pressure fluctuations on a small scale.

主要零件材料 Main Part Material

零件名称 Part Name	材料 Material
阀体、阀盖 Body, Bonnet	灰铸铁、铸钢、不锈钢 Grey cast iron, cast steel, SS
付阀瓣、付阀座、膜片主阀瓣、主阀座、活塞 Pay valve disc, Pay valve seat Diaphragm valve, main valve seat, piston	不锈钢 SS
付阀弹簧、主阀弹簧 Valve springs, the main valve spring	铬钒钢 Chrome vanadium steel
调节弹簧 Adjust the spring	硅锰钢 Silicon manganese steel
活塞环 Piston ring	合金铸铁 Alloy cast iron

主要外形尺寸(法兰尺寸按JB/T79-94标准) Main Outline Dimension (Flange Size According To Standard JB/T79-94)

公称压力 PN(MPa)	公称口径 DN(mm)	尺寸(mm)			公称压力 PN(MPa)	公称口径 DN(mm)	尺寸(mm)		
		L	H1	H2			L	H1	H2
1.6MPa	20	160	89	312	2.5MPa	250	600	270	545
	25	160	101	315		300	800	335	575
	32	200	107	320		350	850	390	650
	40	220	113	325		400	900	430	710
	50	250	120	335		25	200	101	315
	65	260	125	340		32	220	107	320
	80	310	140	360	40	240	113	325	
	100	350	150	390	50	270	120	335	
	125	400	190	415	65	280	140	365	
	150	450	205	440	80	330	150	385	
	200	500	220	475	100	380	150	385	
	250	600	270	545	125	450	190	425	
	300	800	335	575	150	500	210	445	
	350	850	390	650	200	560	245	485	
400	900	430	705	25	200	110	370		
2.5MPa	25	200	101	315	32	220	125	380	
	32	200	107	320	40	240	130	395	
	40	220	113	325	50	270	135	405	
	50	250	120	335	65	300	145	410	
	65	260	125	340	80	330	170	445	
	80	310	140	360	100	380	175	455	
	100	350	150	390	125	450	245	504	
	125	400	190	425	150	500	280	555	
	150	450	210	445	200	560	310	581	
	200	500	245	485					

产品特点 Product Features

本系列减压阀属于先导活塞式减压阀。由主阀和导阀两部分组成。主阀主要由阀座、主阀盘、活塞、弹簧等零件组成。导阀主要由阀座、阀瓣、膜片、弹簧、调节弹簧等零件组成。通过调节调节弹簧压力设定出口压力，利用膜片传感出口压力变化，通过导阀启闭驱动活塞调节主阀节流部位过流面积的大小，实现减压稳压功能。

产品用途：本产品主要用于气体管路，如空气、氮气、氧气、氢气、液化气、天然气等气体。

This series of pressure reducing valve belongs to the guide piston type pressure reducing valve. Consists of two parts, the main valve and pilot valve. The main valve is mainly composed of valve seat, the main valve, spring and other parts. Pilot valve is mainly composed of the seat, disc, diaphragm, spring, adjusting spring and other parts. By adjusting the adjusting the spring pressure setting outlet pressure, the use of diaphragm sensing outlet pressure changes, through the pilot valve opening and closing drive piston to adjust the size of the main valve throttle position over-current, realize the function of reduced pressure regulator.

Product use: this product is mainly used for gas pipeline, such as air, nitrogen, oxygen, hydrogen gas, liquefied petroleum gas, natural gas, etc.

主要技术参数和性能指标 Main Technical Parameters And Performance Indicators

公称压力(Mpa) Nominal pressure	1.6	2.5	4.0	6.4	10.0	16.0
壳体试验压力(Mpa)* Shell test pressure	2.4	3.75	6.0	9.6	15.0	24
密封试验压力(Mpa) Seal test pressure	1.6	2.5	4.0	6.4	10.0	16.0
最高进口压力(Mpa) Highest inlet pressure	1.6	2.5	4.0	6.4	10.0	16.0
出口压力范围(Mpa) Outlet pressure range	0.1-1.0	0.1-1.6	0.1-2.5	0.5-3.5	0.5-3.5	0.5-4.5
压力特性偏差(Mpa)ΔP2P Pressure characteristic deviation	GB12246-1989					
流量特性偏差(Mpa)P2G Flow characteristic deviation	GB12246-1989					
最小压差(Mpa) Minimum differential pressure	0.15	0.15	0.2	0.4	0.8	1.0
渗流量 Amount of leakage	X/F(聚四氟乙烯/橡胶); O Y(硬密封); GB12245-1989 X/F(PTFE PVC/rubber); O Y(Hard seal); GB12245-1989					

*: 壳体试验不包括膜片、顶盖 *; Shell test does not include the diaphragm and the top

主要零件材料 Materials For Main Parts

零件名称 Part name	零件材料 Parts material
阀体、阀盖、底座 Body, Cover, Bottom cover	WCB/FCB*
阀座、阀盘 Seat, Disc	2Cr13/304*
缸套 Cylinder liner	2Cr13/25(镀铬 Hard chrome plating)/304*
活塞 Piston	2Cr13/铜合金/铜合金* 2Cr13/Copper alloy/copper alloy*
活塞环 Piston ring	合金铸铁/对位聚苯* Alloy cast iron/para polystyrene*
导阀座、导阀杆 Guide seat, Stem	2Cr13/304*
膜片 Diaphragm	1Cr18Ni9Ti
主阀、导阀弹簧 Main valve and pilot valve springs	50CrVA
调节弹簧 Adjust the spring	60Si2Mn
密封垫(X/F型号) Gasket (X/F type)	橡胶/聚四氟乙烯 PTFE/Rubber
导阀体、导阀盖 Pilot valve, pilot valve cover	25/304*

*: 用于氧气介质时的材料 *; When used in oxygen medium materials



流量系数 Discharge Coefficient(Cv):

DN	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	500
Cv	1	2.5	4	6.5	9	16	25	36	64	100	140	250	400	570	780	1020	1500

外形尺寸 Overall Dimensions(PN1.6-4.0):

单位Unit: mm

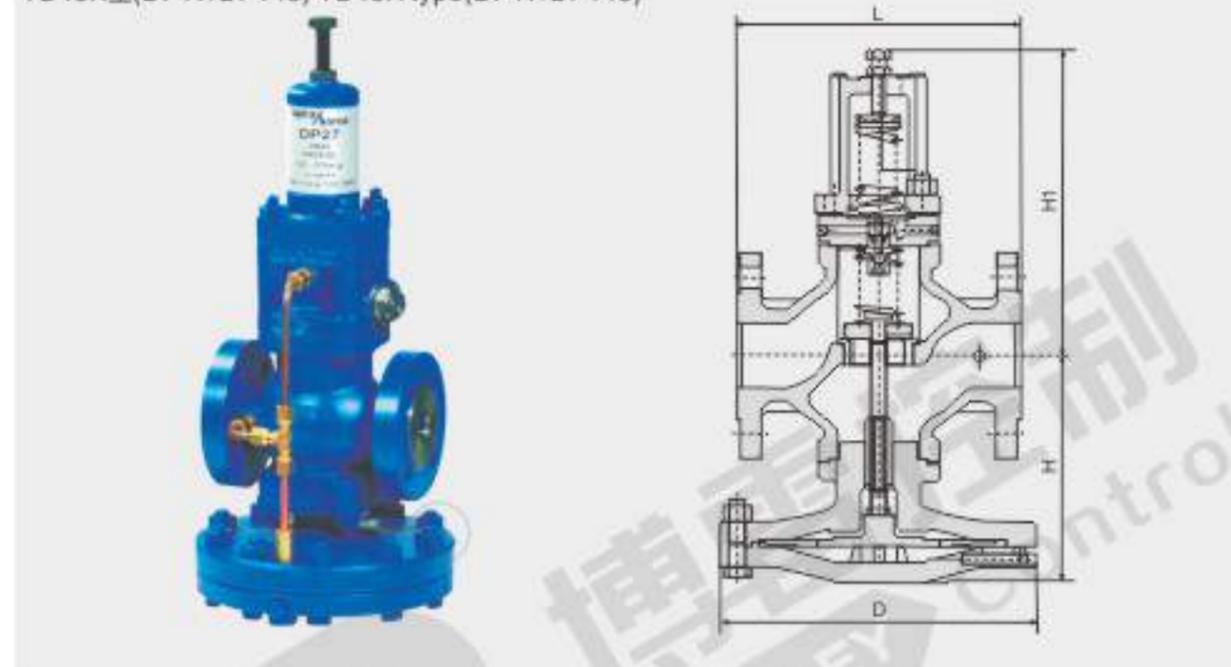
公称口径DN Nominal diameter	外形尺寸 Overall dimensions			
	L		H	H1
	1.6/2.5MPa	4.0MPa		
15	160	180	290	90
20	160	180	300	98
25	180	200	300	110
32	200	220	300	110
40	220	240	320	125
50	250	270	320	125
65	280	300	325	130
80	310	330	365	160
100	350	380	365	170
125	400	450	475	200
150	450	500	475	210
200	500	550	515	240
250		650	560	290
300		800	705	335
350		850	745	375
400		900	780	405
450		900	730	455
500		950	835	465

外形尺寸 Overall Dimensions(PN6.4-16.0):

单位Unit: mm

公称口径DN Nominal diameter	外形尺寸 Overall dimensions			
	L		H	H1
	6.4MPa	10.0/16.0MPa		
15	180	180	300	100
20	180	200	310	105
25	200	220	31	120
32	220	230	310	120
40	240	240	335	135
50	270	300	335	135
65	300	340	340	140
80	330	360	380	170
100		380	380	185
125		450	490	215
150		500	490	225
200		550	535	260
250		650	580	310
300		800	725	355
350		850	765	395
400		900	800	435
500	950		855	495

YD43H型(DP17/DP143) YD43H type(DP17/DP143)



结构特点和用途 Structural Characteristics And USES

本系列减压阀是本公司参考国外先进产品而研制开发成功的新型先导式超大膜片减压阀，本产品在普通减压阀的基础上做了很大的改进。膜片采用了新型材料，并大大加大了工作面积，因此阀门上游压力或下游负荷细微的变化都能及时准确的反馈到主阀膜片，来调节主阀的开度，确下游压力的稳定。本产品的另一个突出的特点为：同一个阀体上可安装和互换多个导阀，在稳压的同时，实现温度控制、上游压力的控制，远程的开关控制等。
This series valve is the company reference foreign advanced products and research and development of successful new large pilot operated diaphragm pressure reducing valve, this product is on the basis of ordinary pressure reducing valve made great improvements. The diaphragm adopted new materials, and greatly increased the work area, so the valve upstream or downstream pressure load slight change can be timely and accurate feedback to the main valve diaphragm, to adjust the opening of the main valve, the stability of the downstream pressure. This product is another outstanding characteristic is: the same multiple pilot valve can be installed on the valve body and swaps, at the same time of voltage regulator, realize the temperature control, upstream pressure control, the switch of the remote control, etc.

流量系数 Discharge Coefficient (Cv)

DN	15	20	25	32	40	50	65	80	100	125	150
Kv值	2.8	5.5	8.1	12.0	17.0	28.0	45.5	60.1	93.3	146	186

主要零件材料 The Major Parts Material

用于氧气介质时的材料 When used in oxygen medium materials

零件名称 Part name	材料牌号 Material mark
阀体、阀盖 Body, Bonnet	WCB
阀座 Seat	2Cr13
阀瓣 Clack	2Cr13
阀杆 Stem	2Cr13
膜片 Diaphragm	316
调节弹簧 Adjust the spring	60Si2Mn
主阀弹簧 Main valve spring	50CrVA

主要技术参数和性能指标 Main Technical Parameters And Performance Indicators

在饱和蒸汽条件下 Under the condition of saturated steam

阀门设计条件 The Valve Design Conditions	PN 25
PMA最高允许压力 PMA maximum Allowable Stress	26barg
TMA最高允许温度 TMA Maximum Allowable Temperature	350℃
最低允许温度 Minimum allowed temperature	0℃
PMO最大工作压力 PMO maximum working pressure	17barg
TMO最大工作温度 TMO maximum working temperature	285℃
出口压力范围 Barg outlet pressure range, barg	1.2-17

连接尺寸(近似值) Connection Size (approximation)

DN	L	H1	H	D
15	147	221	133	185
20	154	224	136	182
25	160	235	145	207
32	180	236	156	207
40	200	238	176	255
50	230	246	183	255
65	250	295	200	320
80	310	323	230	350
100	350	340	263	380
125	400	359	306	455
150	450	375	330	

连接形式 Connection form
连接方式: 法兰 Connection mode: flange
法兰连接标准: JB/T79 GB9113 Flange connection standard: JB/T79 GB9113
ANSI B16.5 DIN2545 Bs4504 ANSI B16.5 DIN2545 Bs4504



概述 Overview

ZJHP型气动单座调节阀由气动多弹簧薄膜执行机构和低流阻单座阀组成, 新型执行机构高度低、重量轻、装校简便, 新型阀体结构紧凑、流通顺畅, 具有大的流量系数。
本产品操作稳定, 具有可靠的动作特性, 微小的阀座泄露、精确的流量特性、宽大的可调范围等特点。它必将以独特的优点在广泛应用中取得高质量的控制效果, 符合GB/T4213-1992。
ZJHP pneumatic single seat control valve pneumatic multi-spring diaphragm actuators and low flow resistance of a single seat valve, new execution institutions a low profile, light weight, easy assembly and calibration, the new body structure is compact, smooth flow, with a large flow coefficient. The operation of the product is stable, reliable operating characteristics, the tiny seat leak, precise flow characteristics, large adjustable range point. It will certainly unique advantages in a wide range of applications and quality control. Products comply with fossil power stations, accord with GB/T4213-1992.

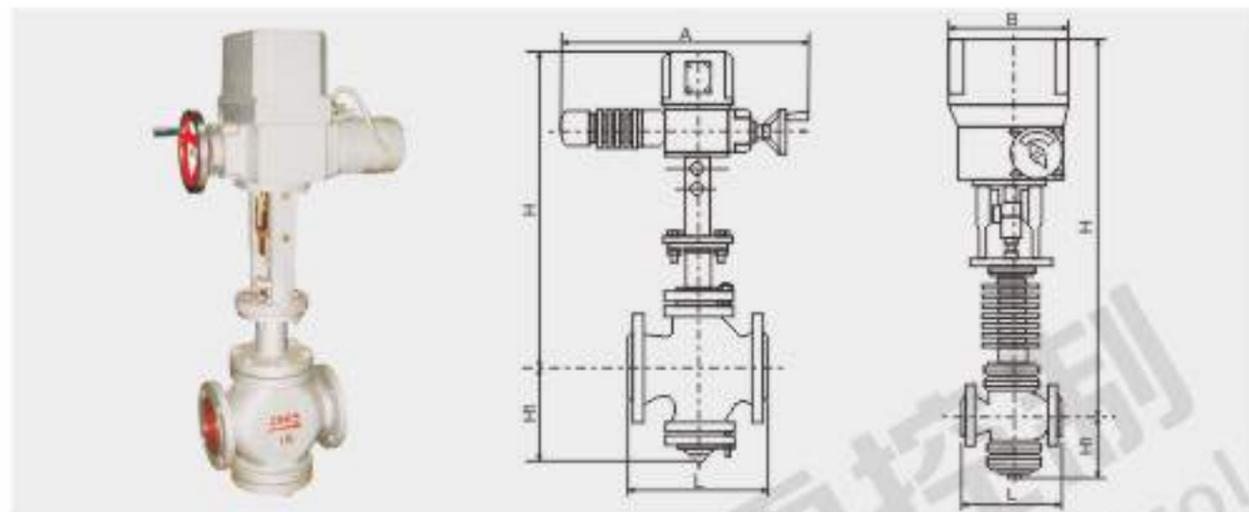
主要零件材料 Main Part Material

零件名称 Part Name	材料 Material	温度范围 Temperature range	备注 Note
阀体/上阀盖 Body On, Cover	HT200	-15~200℃	
	WCB	-20~425℃	
	ZG1Cr18Ni9Ti	-40~550℃	
	ZG0Cr18Ni12Mo2Ti	-40~600℃	
阀芯、阀座 Spool, Seat	1Cr18Ni9	-40~550℃	
	0Cr18Ni12Mo2Ti	-40~550℃	
填料 Filler	聚四氟乙烯 PTFE	-40~200℃	
膜片 Diaphragm	丁腈橡胶夹增强涤纶织物 Nitrile rubber clip enhanced polyester fabric		
压缩弹簧 Compression spring	60Si2Mn		
膜盖 Membrane cover	A3		

主要外形尺寸 Main Outline Dimensions

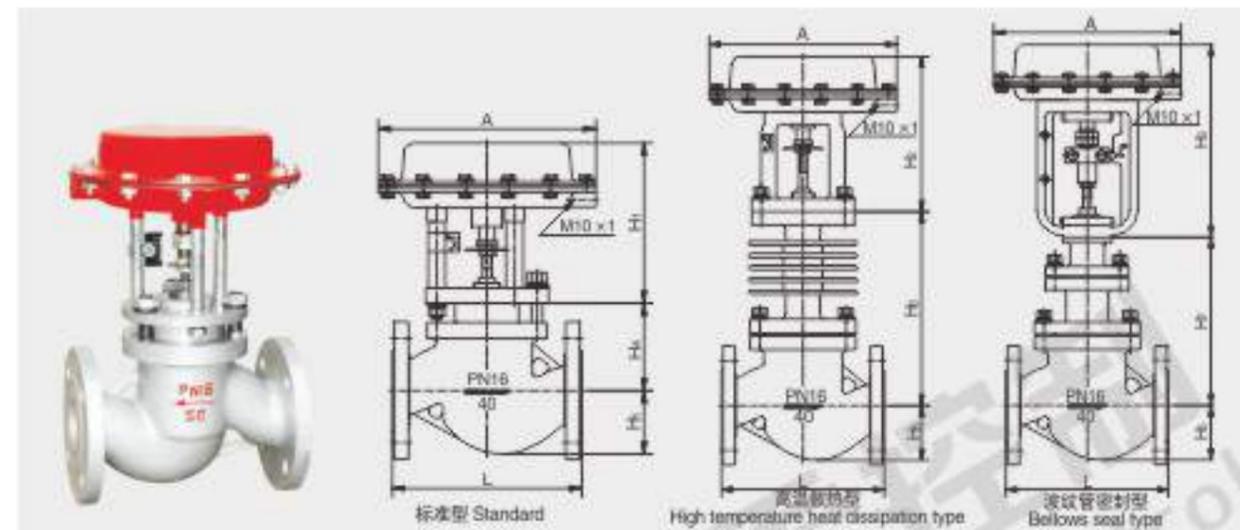
单位 Unit: mm

DN	L			H		H1				重量 WT(Kg)		φA	
	PN16	PN40	PN64	普通 Common	高温 High Temperature	PN6	PN16	PN40	PN64	PN6	PN16		PN40
20	184	194	206	398	548	45	52	65	19	23	285		
25	185	197	210	410	560	50	57	70	20	24			
32	200	210	220	418	578	56	70	78	24	31			
40	222	235	251	455	620	65	75	85	26	35			
50	254	267	286	475	627	70	82	90	30	40			
65	276	292	311	610	790	80	92	102	47	66	360		
80	298	317	337	622	807	95	100	107	55	78			
100	352	368	394	640	850	105	110	117	65	99			
125	410	425	440	864	1122	120	125	135	148	140			
150	451	473	508	870	1130	132	142	150	175	160			
200	600	620	650	890	1150	160	170	187	207	250	470		
250	650	670	690	1203	1523	187	202	225	235	350			470
300	740	770	800	1234	1554	220	230	257	265	500			660


主要外形尺寸 Main Outline Dimensions

单位Unit:mm

公称口径 DN	L			ZMAP型 Type			ZMAN型 Type			A (长) Long	B (宽) Width	电动执行 机构型号 Electric actuator framework type	输出推力 MPa (kgf/cm ²) Output thrust	行程 h(mm) Journey	额定流量系数C Rating flux coefficient	
	PN1.6 (MPa)	PN4.0 (MPa)	PN6.4 (MPa)	H		H1	H		H1						单座 One- seater	双座 Two- seater
				常温型 normal temperature	散热型Heat -scattering type		常温型 normal temperature	散热型Heat -scattering type								
20	180	185	190	495	655	95	-	-	-	490	ZAZ-25 KDZ-310	2.5、40 (25,400)	10	1.2-5	-	
25	185	190	205	767	928	112	787	937	117					8	10	
32	200	210	220	793	940	118	793	943	120					12	16	
40	220	230	240	812	983	129	832	982	139					20	25	
50	250	255	265	842	993	144	842	992	144	520	DKZ-310	40 (400)	25	32	40	
65	275	285	295	967	1127	178	987	1147	188					50	63	
80	305	310	325	990	1142	191	1017	1177	208					80	100	
100	350	355	370	999	1151	195	1041	1207	220					120	160	
125	410	425	440	1092	1307	245	1142	1357	270	630	DKZ-410	64 (640)	60	200	250	
150	450	460	475	1112	1327	255	1162	1377	280					280	400	
200	550	560	570	1187	1402	290	1244	1459	320					450	630	
250	670	740	750	-	-	-	1472	1599	440					700	1000	
300	770	805	820	-	-	-	1530	1747	502	260	DKZ-510	160 (1600)	100	1000	1600	


主要零件材料 The Major Parts Material

零件名称 Part name	材料 Material
阀体 Body	HT200、ZG230-450、ZG0Cr18Ni9Ti
阀芯、阀座 Core, Seat	1Cr18Ni9Ti, 0Cr18Ni12M02Ti(堆焊Stellite)PTFE
阀杆 Stem	1Cr18Ni9Ti, 2Cr13
密封套筒 Sealing sleeve	HT200、ZG230-450、Q235A、1Cr18Ni9Ti
膜片 Diaphragm	丁腈、乙炔、氟、耐油橡胶 Nitrile, Yibing, fluorine, oil resistant rubber
膜盖 Diaphragm	Q235、Q235涂PTFE
填料 Packing	聚四氟乙烯、柔性石墨 PTFE, flexible graphite
弹簧 Spring	60Si2Mn
垫片 Gasket	XB350、石墨夹金属 Graphite with steel

外形尺寸及重量 The Overall Dimensions And Weight

单位Unit:mm

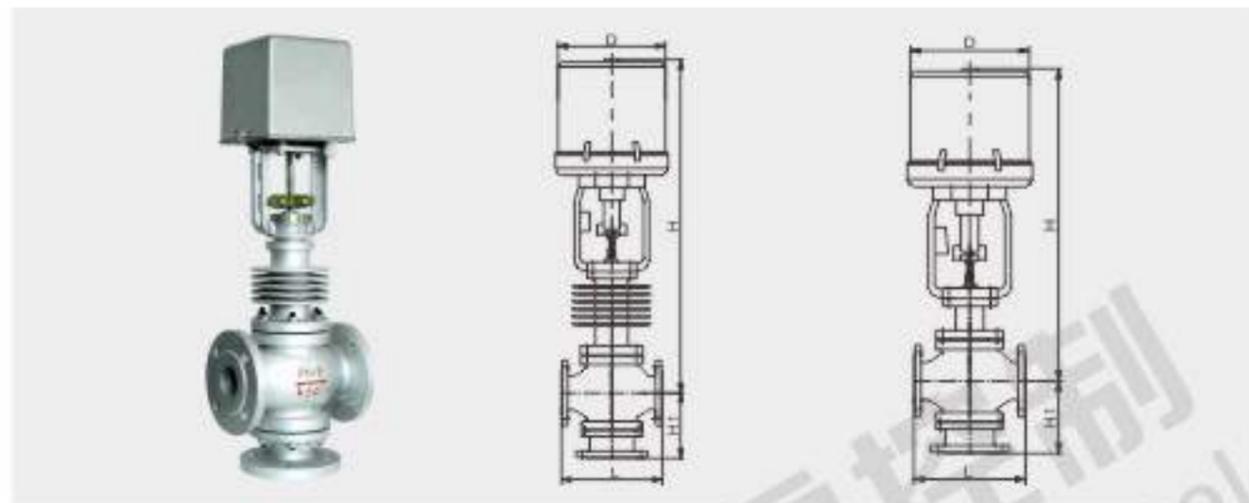
公称口径DN(mm)	20	25	32	40	50	65	80	100	125	150	200
L	PN16/40	150	160	180	200	255	290	310	350	400	480
	PN64	206	210	222	251	286	311	337	394	440	508
A	195		230		310		395		500		
H ₁	160		168		219		262		325		
H ₂	170		190		240		333		451		
H ₃	228		235		280		333		451		
H ₄	PN16/40	78	78	88	92	119	138	153	168	198	223
	PN64	86	86	96	100	129	154	158	186	205	230
H ₅	PN16/40	43	48	57	66	80	92	100	120	134	156
	PN64	49	54	61	70	84	97	105	125	138	163
H ₆	PN16/40	208	208	224	228	228	334	334	342	408	453
	PN64	220	220	240	240	240	350	350	360	420	470
H ₇	PN16/40	180	180	190	205	215	308	323	338	368	393
	PN64	188	188	198	213	225	324	328	356	375	400
重量WT(kg)	10	12	15	18	23	35	45	60	75	90	120

注：1、表中重量为不带附件标准型配薄膜执行机构PN16数据。

2、阀体法兰及法兰端面距可按用户指定标准制造，如：ANSI、JIS、DIN等标准。

Note: 1. Weight is not in the table with attachments standard with thin film actuator PN16 data.

2. The valve flange and flange face distance can be made according to the user to specify the standard, such as ANSI, JIS, DIN and other standards.


□ 技术参数和性能指标 Technical Parameters and Performance metrics

公称通径 Nominal diameter DN(mm)	分流 Confluence	25	32	40	50	65	80	100	125	150	200	250	300		
	分流 Shunt	8.5	13	21	34	53	85	135	210	340	535	800	1280		
额定流量系数 Rated flow coefficient (Kv)	分流 Confluence	8.5	13	21	34	53	85	135	210	340	535	800	1280		
	分流 Shunt	可用分流结构代替 Can be substituted for confluence structure						85	135	210	340	535	800	1280	
公称压力 Nominal pressure (MPa)	1.6、2.5、4.0、6.4														
额定行程 Rated stroke(mm)	16			25			40			60			100		
执行机构型号 Actuator models	361LSA-20 381LSA-20			361LSA-20 381LSA-20			361LSA-30/50 381LSA-30/50			361LSC-65/99 381LSC-65/99			361LSC-99/160 381LSC-99/160		
控制信号 Control signal	输入: 4-20mA, 或1-5V 反馈4-20mA														
固有流量特性 intrinsic flow feature	直线 Straight line														
固有可调比 intrinsic adjustable ratio	30														

□ 外形尺寸 Overall Dimensions

单位Unit:mm

公称通径 DN(mm)	L		行程 Trip	D	H ₁			H	
	PN (MPa)				PN (MPa)			常温 Normal temperature	高温散热 High temperature heat dissipation
	1.6、4.0	6.4			1.6	4.0	6.4		
25	160	210	16	225	134	134	160	555	707
32	180	222	25		133	133	170	561	709
40	200	251			154	154	180	660	812
50	230	286			154	154	200	675	827
65	290	311	40	255	190	190	230	863	1027
80	310	337			210	210	250	868	1032
100	350	394			220	220	282	872	1036
125	400	440	60	310	280	280	310	905	1120
150	450	508			280	280	430	920	1135
200	550	610			320	320	480	950	1165
250	708	752	100	310	475	475	495	1203	1485
300	850	819			555	555	585	1285	1557

注: 以配381L型执行机构为例, H₂也可由设计院或用户指定, 尺寸L见上图, 技术参数更改, 恕不另行通知!
 Note: With 381 L actuators, for example, H₂ can also be used by the design institute or the user to specify, size L, pictured above, technical parameters change, without prior notice!

服务体系 SERVICE SYSTEM

一、售前服务/Before Service

当好客户的参谋和助手, 让用户的每一份投资都获得丰厚的回报。

- (1) 设备型号的选择。
- (2) 根据客户的特殊要求, 设计制造产品。
- (3) 为客户培训技术人员。
- (4) 提供新、特、难工程施工技术咨询或拟定合适的施工方案。

Be good adviser and assistant to customer, make customer achieve rich return on each investment.

- (1) Model option.
- (2) Design&manufacture product according to customer's requirements.
- (3) Train technician for customer.
- (4) Offer new, special,hard engineering working technical consult or draw suitable working case.

二、售中服务/Under Service

尊重客户: 给客户一个放心, 一份轻松, 一份惊喜; 致力于提高客户的整体价值。

Respect customer; give customer rest assured, take easy, and surprise; devote to increase customer's whole value.

- (1) 保修期内送货上门。
- (2) 产品的预验收。
- (3) 向顾客介绍博雷控制的服务体系。
- (1) Provide home delivery service in warranty period.
- (2) Pre-inspection for product.
- (3) Introduction service system of BOLLEY CONTROL to customer.

三、售后服务/After Service

提高客户整体价值, 让客户无后顾之忧。

Increase customer's whole value, let customer don't have further trouble.

- (1) 协助用户拟定首次施工方案。
- (2) 设备安装调试。
- (3) 现场培训操作人员。
- (4) 定期巡检设备。
- (5) 快速主动, 现场排故。
- (6) 保修配件送货上门。
- (7) 重点工程的跟踪服务。
- (8) 积极寻找潜在不满意用户, 抱怨资源化。
- (9) 提供超值服务。
- (10) 提供技术交流的机会。
- (11) 开展大项维修业务。
- (1) Assist client draw up first construction case.
- (2) Equipment install and debug.
- (3) Train locale operation persons.
- (4) Timely test device.
- (5) Fast initiative, locale solve problem.
- (6) Home delivery for warranty spare parts.
- (7) Important engineering trace service.
- (8) Initiative looking for dissatisfy client, complain reclamation.
- (9) Offer above value service.
- (10) Offer technology communication opportunity.
- (11) Carry out big maintenance business.

