PRODUCTION EQUIPMENT
生产装备

精良的现代化加工装备和独特的技术工艺实现了科源阀门的完美呈现，自主技术开发的高品质产品充分体现了科源对品牌国际化的战略的不懈追求。

Excellent modern digital fabrication equipment and unique process ensure perfect KEYUAN valve products. Self-developed high quality products fully present continuous pursuit of KEYUAN to stratagem of brand internationalization.

PRODUCTION EQUIPMENT
生产装备

科源引进国际领先的数控加工中心等先进生产设备。先后投资大量资金，对硬件设施进行升级换代，保证了阀门产品的国际先进水平。

The source of the introduction of advanced production equipment leading CNC machining center etc..Has invested a lot of money to upgrade the hardware facilitiesCertificate of the international advanced level of valve products.

QUALITY ASSURANCE
品质保障

为了提供高品质产品，公司配置了先进的检测设备以及
完善的检测手段，建立了一支严格要求的品质管理队伍，
实现了从原材料检测，生产过程检测，产品及应用全过
程的质量控制。

To ensure high quality of our products,
Our company has advanced testing facilities perfect testing methods.
We have a strict quality control team,
which can control entire process for raw materials ,
production process, products and application .

实验室
Laboratory

试压中心
Pressure Test Center

硬度计
Hardness Tester

力学性能测试
Mechanical Property Testing

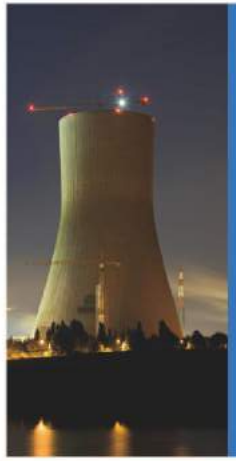
硬度试验
Hardness test

APPLICATION AREA
应用领域

科源阀门 KEYUAN VALVE

科源严格按标准精心打造严谨的检测体系，保障每一台阀门都以高品质、高标准服务于我们的客户，为您带来更大的汇报价值。

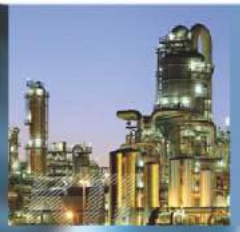
KEYUAN has the rigorous testing system in accordance with the strictest international standard to provide high quality and high standard requirement of service, making higher respect value of reward and to bring you greater market return value.



POWER
电力

OIL& GAS
石油/天燃气

WATER TREATMENT
船舶



CHEMICAL INDUSTRY
化工

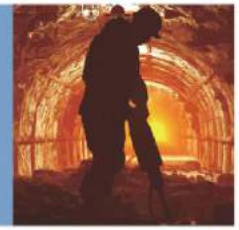
ENVIRONMENTAL PROTECTION
造纸

ENVIRONMENTAL PROTECTION
环保

METALLURGY
冶金

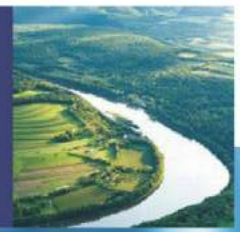
MECHANICS
机械

MINING
采矿



WATER CONSERVANCY
水利

AGRICULTURE
农业



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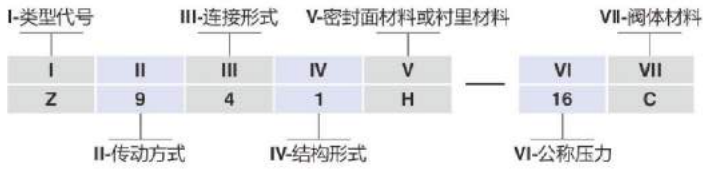


代号		0	1	2	3	4	5	6	7	8	9
III-传动方式		电磁动	电磁-液动	电-液动	蜗轮	正齿轮	锥齿轮	气动	液动	气-液动	电动
II-连接形式		-	内螺纹	外螺纹	-	法兰	-	焊接	对夹	卡箍	卡套
I-类型代号		IV-结构形式									
闸阀	Z	明杆					暗杆				-
		楔式		平行式			楔式		平行式		
		弹性闸阀	刚性				刚性				
			单闸板	双闸阀	单闸板	双闸板	单闸板	双闸板	单闸板	双闸板	
截止阀	J	-	直通式	Z型式	三通式	角式	直流式	平衡		-	-
节流阀	L							直通式	直角式		
柱塞阀	U										
球阀	Q	半球直通	浮动球					固定式			
			直通式	三通式Y形	-	三通式		四通式	直通式	三通式	
						Y形	T形			T形	Y形
蝶阀	D	非密封型三偏心	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	-	屋脊式	立式	截止式	-	直流式	直通式	-	角式Y形	-
旋塞阀	X	-	-	-	填料密封			-	油密封		-
					直通式	T形三通式	四通式		直通式	T形三通式	
止回阀	H	-	升降式				旋启式		回转蝶形	截止止回	-
			直通式	立式	角式	单瓣式	双瓣式	多瓣式			
安全阀	A	带散热片全启式	弹簧封闭		弹簧不封闭	弹簧封闭	杠杆式	带控制全启式	弹簧不封闭		脉冲式
			微启式	全启式	带扳手				带扳手		
					双联微启式	全启式			微启式	全启式	
减压阀	Y	-	薄膜式	弹簧薄膜式	洛塞式	波纹管式	杠杆式	-	-	-	-
疏水阀	S	-	浮球式	-	浮桶式	膨胀式	钟形浮子式	膜盒式	双金属片式	脉冲式	热动力式
排污阀	P	-	液面连续排放		-	-	液面间断排放				-
			直通式	角式			直流式	直通式	角式	浮动阀板型	
VI-公称压力		公称通径的数值用10倍兆(MPa)数表示；用于电站工业的阀门，当介质最高温度超过425°C时，标注工作压力。									

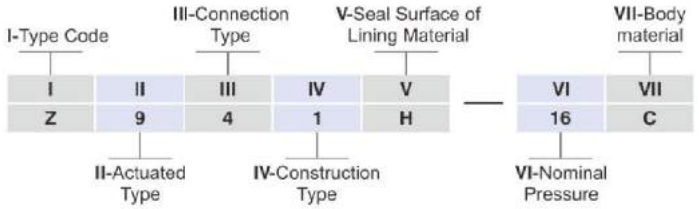
V-阀座密封面或衬里材料	代号	V-阀座材料	代号
巴氏合金	B	尼龙塑料	N
搪瓷	C	渗硼钢	P
渗氮钢	D	衬铅	Q
氟塑料	F	Mo2Ti系不锈钢	R
陶瓷	G	塑料	S
Cr13充系不锈钢	H	铜合金	T
衬胶	J	橡胶	X
蒙乃尔合金	M	硬质合金	Y

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-阀座材料	代号
钛及钛合金	TI	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的灰铸铁阀体和和PN≥2.5MPa的碳素钢阀体材料可省略本代号；
2. CF3, CF8, CF3M, CF8M等材料牌可直接标注在阀体上。

Sample



Code		0	1	2	3	4	5	6	7	8	9
II-Actuated Type		Electre magnetic	Electro-hydraulic	Electrical-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 Typt									
Gate Valve	Z	Rising stem					Non-rising stem				-
		Wedge type		Parallel type			Wedge type		Parallel type		
		Flexible	Rigid disc				Rigid disc				
			Single	Double	Single	Double	Single	Double	Single	Double	
Globe Valve	J	-	Through way	Z-Type	Tee	Angled	Straight flow	Balance type		-	-
Throttle Valve	L							Thyough way	Right-angled		
Piston Valves	U										
Ball Valve	Q	Half-ball through way	Floating type					Trunnion-mounted			
			Through way	Y-Pattern Tee	-	Tee		Four-way	Through way	Tee	
						L-Pattern	T-Pattern			T-Pattern	L-Pattern
Butterfly Valve	D	Non-seal tri-eccentric	Seal type					Non-seal type			
			Center line-type	Single-eccentric	Bi-eccentric	Link mechanism	Tri-eccentric	Center line-type	Bi-eccentric	Link mechanism	Tri-eccentric
Diaphragm Valve	G	-	Weir type	-	Globe type	-	Y-pattern	Center line-type	-	Y-pattern angle type	-
Plug Valve	X	-	-	-	Packing seal			-	Lubricate seal		-
					Through way type	T-pattern Tee	Four-way type		Through way type	Globe check	
Check Valve	H	-	Lift type				Swing type		Rotary type butterfly	Full lift	-
			Th way	Vertical type	Angle type	Single-plate	Double disc	Multi-disc			
Safety Valve	A	Spring seal type			Spring unseal	Single-seal	Lever	Spring unseal			Pulse
		Full lift with cooling fin	Low lift	Full lift	Spanner type			Full lift with control	Spanner type		
					Twin-low	Full lift			Low lift	Full lift	
Reducing Valve	Y	-	Diaphragm	Spring diaphragm	Piston	Bellows	Lever	-	-	-	-
Trap Valve Waste	S	-	Ball float	-	Open bucket	Expanion	bucket type Inverted	Membrane-box	Bembrane elements	Pulse	Hot-motive force
Valve	P	-	Continuous Discharge		-	-	Discontinuous discharge				-
			Throughway type	Angle type			Straight flow type	Through way type	Angle type	Float gateldec type	
VI-Nominal Pressure		The data of nominal diameter is express as ten times MPa valve; It will mark working pressure when medium tempersature over 42°C And be used in power station.									

V-seat seal surface of lining material	Code	V-seat seal surface of lining material	Code
Babbitt metal	B	Nylonplastic	N
Enamel	C	Boronizing steel	P
Nitrided steil	D	LeadLining	Q
Fluoroplastics	F	Mo2Ti series SS	R
Ceramic metal	G	Plastic	S
Cr13series SS	H	Copper alloy	T
Rubber lined	J	Rubber	X
Monel metal	M	Stellite	Y

Remark: 1. Code Wis express material of seat surface thai 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	TI	Spheroidal cast iron	Q
Carbon steel	C	Mo2Ti series SS	R
Cr13series SS	H	Plastic	S
Cr-Mo steel	I	Copper&Copper Alloy	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 material is 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.

BELLOWS VALVE
波纹管阀门

用途

国标波纹管截止阀适用于公称压力PN1.6~4.0MPa，工作温度-29~425℃的石油、化工、制药、化肥、电力行业等各种工况的管路上，切断或接通调节管路介质。

结构特点

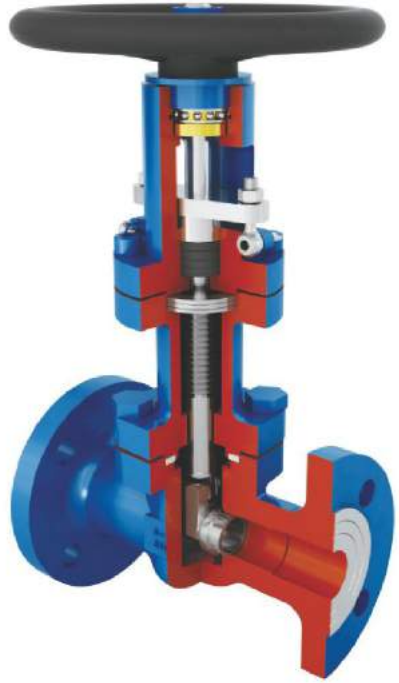
1. 产品结构合理、密封可靠、性能优良、造型美观；
2. 密封面堆焊Co基硬质合金、耐磨、耐腐、抗摩擦性能好、使用寿命长；
3. 阀杆调质及表面氮化处理，有良好的抗腐和抗摩擦性能；
4. 双重密封，性能更可靠；
5. 无升级手轮
6. 零件材质及法兰、对焊端尺寸可根据实际工况或用户要求合理选配，满足各种工程需要。
7. 阀芯可根据需要做成切断型和调节型。

Purpose

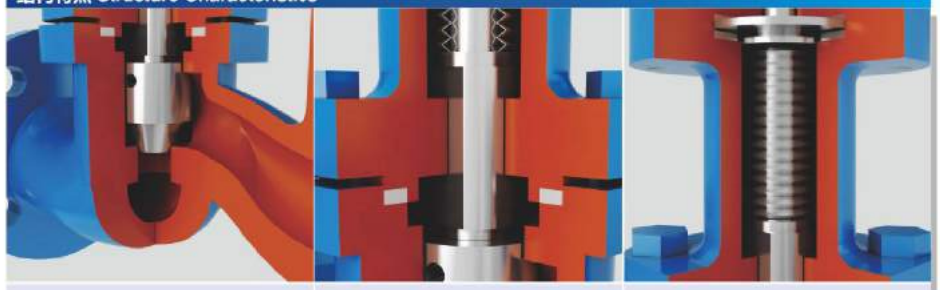
GB bellows globe valve for nominal pressure PN1.6~4.0MPa, operating temperature -29~425 degrees Celsius on the pipeline of petroleum, chemical, pharmaceutical, chemical fertilizer, electric power industry and so on Switch on regulating pipeline medium.

Structure Characteristics

1. Reasonable product structure, reliable sealing, excellent performance, beautiful appearance;
2. Sealing surface surfacing Co base hard alloy, wear resistance, corrosion resistance, friction resistance performance, service life Long;
3. Stem quenching and surface nitriding treatment, good corrosion resistance and friction resistance;
4. double seal, more reliable performance;
5. No upgrade hand wheel
6. The part material and flange, butt size according to actual conditions or user requirements and selection,Meet the needs of a variety of engineering.
7. spool can be made according to the need to cut off and adjust.



结构特点 Structure Characteristics



阀瓣锥形密封面具有“刮除效应”
The surface of conical sealing having a "scraped effect"

阀杆发个阀盖扁方设计防止阀杆旋转
The valve stem is designed to prevent the stem rotation

波纹管防护型空间设计
The design of bellows protection space

BELLOWS VALVE
波纹管阀门

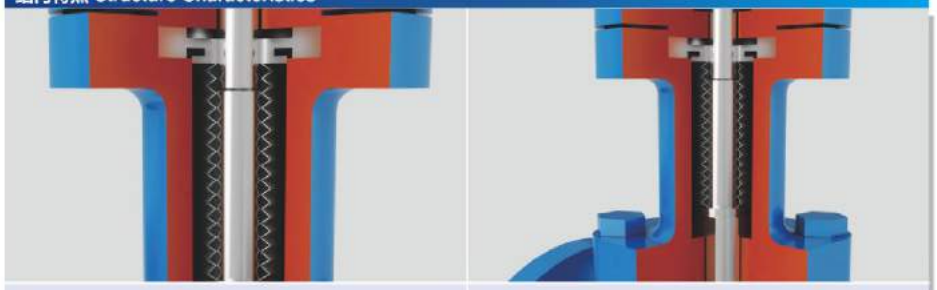
标准规范 Standard Specification

结构形式 Structural style	直通 Straight
驱动方式 Driving mode	手动 Manual
	电动 Electric
设计标准 Design standard	GB/T12235
结构长度 Structure length	GB/T9113, JB/T79, HG20596
连接法兰 Connecting flange	GB/T12221
试验和检验 Test and inspection	JB/T9092, GB/T13927

产品性能规范 Product Performance Specification

公称压力PN (MPa)	壳体试验压力 Shell test pressure (MPa)	密封试验压力 Seal test pressure (MPa)	适用温度 Applicable temperature (℃)	适用介质 Applicable medium
1.6	2.4	1.76	≤425℃	水、蒸气、油品等 Water, steam, oil, etc.
2.5	3.75	2.75		
4.0	6.0	4.4		

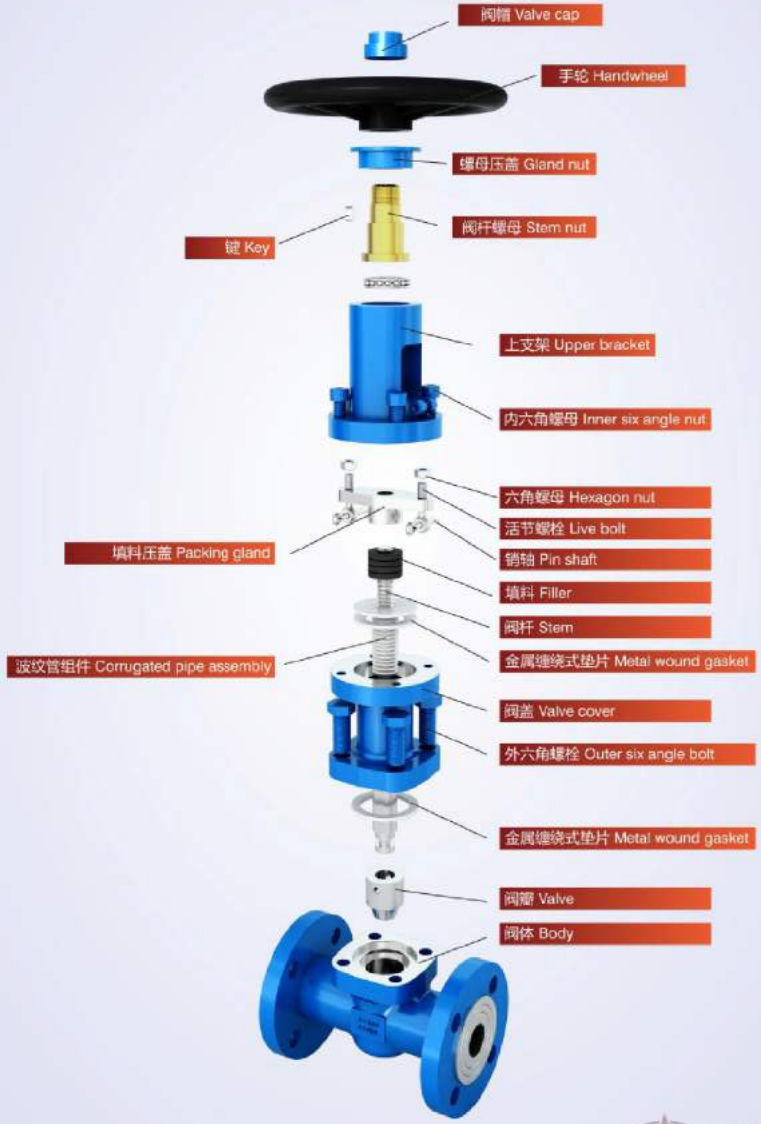
结构特点 Structure Characteristics

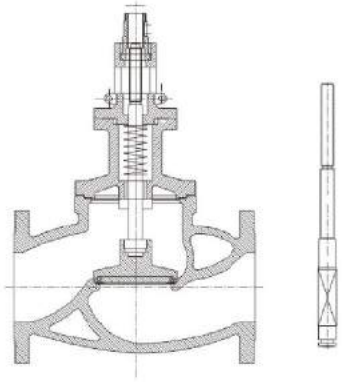


阀杆倒密封设计
The design of back seal stem

加长、多重壁、抗扭矩、长寿命（启闭10000次）波纹管
Lengthened, multi wall, anti torque, long life (open and close 10000 times) bellows

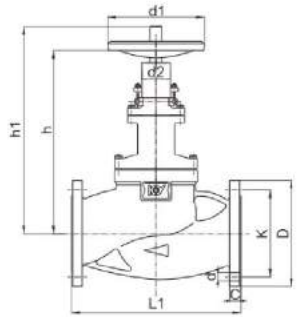
GB BELLOWS GLOBE VALVE
国标波纹管截止阀





主要零部件材质 Main Parts Material

序号 No.	零件名称 Part name	材质 Texture of material						
		WCB	WC6	WC9	CF8	CF8M	CF3	CF3M
1	阀体 Body	WCB	WC6	WC9	CF8	CF8M	CF3	CF3M
2	阀瓣 Disc	25+CM3	20Cr1MoV	25Cr2MoV	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti	00CM7NM2TI	00Cr18Ni12Mo2Ti
3	销轴 Pin shaft	25	1Cr13	20Cr1MoV	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti	00CM7NM2TI	00Cr18Ni12Mo2Ti
4	阀杆 Stem	1Cr13	20Cr1MoV	25Cr2MoV	0Cr18Ni9	0Cr18Ni12Mo2Ti	00CM7NM2TI	00Cr18Ni12Mo2Ti
5	波纹管组件 Corrugated pipe assembly	1Cr18Ni9Ti	1Cr18Ni9Ti	1Cr18Ni9Ti	0Cr18Ni9	0Cr18Ni12Mo2	00CM7NM2TI	00Cr18Ni12Mo2Ti
6	垫片 Shim	316夹柔性石墨/PTFE 316 clip flexible graphite /PTFE						
7	阀盖 Valve cover	WCB	WC6	WC9	CF8	CF8M	CF3	CF3M
8	双头螺栓 Double headed bolt	350rMo-A	35CrMoV	42CrMoV	1Cr17Ni12	0Cr18Ni12Mo2Ti		
9	六角螺母 Hexagon nut	45#	45#	35CrMoV	0Cr18Ni9Ti	0Cr18Ni12Mo2Ti		
10	填料 Filler	柔性石墨+碳素纤维+304钢丝 Flexible graphite + carbon fiber +304 steel wire						
11	填料压盖 Packing gland	WCB	WCB	WCB	CF8	CF8M	CF8M	
12	阀杆螺母 Stem nut	QAL9-4						
13	手轮 Handwheel	WCB QT400-18						



PN1.6MPa

公称通径 DN	L	h1	d1	d2	h	D	K	z-d	C	直通型 Kg
15	130	254	125	47	216	95	65	4×14	14	3.3
20	150	257	125	47	219	105	75	4×14	16	4.4
25	160	263	125	47	225	115	85	4×14	16	5.0
32	180	296	125	47	252	140	100	4×19	18	8.7
40	200	300	125	47	256	150	110	4×19	18	9.2
50	230	345	160	51	300	165	125	4×19	20	11.2
65	290	349	160	51	304	185	145	4×19	20	18.4
80	310	397	200	60	338	200	160	8×19	22	22.7
100	350	414	200	60	355	220	180	8×19	24	33.5
125	400	537	250	80	457	250	210	8×19	26	55.1
150	480	563	250	80	483	285	240	8×23	26	73.4
200	600	788	400	93	658	340	295	12×23	30	150.1
250	730	825	400	93	695	405	355	12×28	32	258.1
300	850	1017	400	93	887	460	410	12×28	32	370.4

PN2.5MPa

公称通径 DN	L	h1	d1	d2	h	D	K	z-d	C	直通型 Kg
15	130	254	125	47	216	95	65	4×14	14	3.3
20	150	257	125	47	219	105	75	4×14	16	4.4
25	160	263	125	47	225	115	85	4×14	16	5.0
32	180	296	125	47	252	140	100	4×19	18	8.7
40	200	300	125	47	256	150	110	4×19	18	9.2
50	230	345	160	51	300	165	125	4×19	20	11.2
65	290	349	160	51	304	185	145	4×19	20	18.4
80	310	397	200	60	338	200	160	8×19	22	22.7
100	350	414	200	60	355	235	190	8×19	24	33.5
125	400	537	250	80	457	270	220	8×23	26	55.1
150	480	563	250	80	483	300	250	8×28	26	73.4
200	600	788	400	93	658	360	278	12×25	34	150.1
250	730	825	400	93	695	425	332	12×30	36	258.1
300	850	1017	400	93	887	485	390	12×30	40	370.4

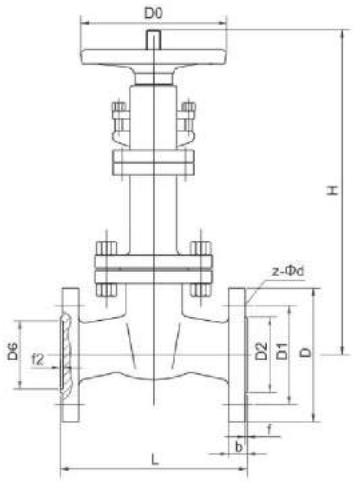
GB BELLOWS GATE VALVE
国标波纹管闸阀

主要零部件材质 Main Parts Material

序号 No.	零件名称 Part name	材质 Texture of material
1	阀体 Body	WCB, CF8, CF8M CF3, CF3M
2	闸板 Gate	25, 1Cr13, 2Cr13, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti20Cr1Mo1V, 25Cr2MoV
3	阀杆 Stem	25, 1Cr13, 2Cr13, 1Cr18Ni9Tis 0Cr18Ni12Mo2Ti 20Cr1Mo1V, 25Cr2MoV
4	波纹管组件 Corrugated pipe assembly	1Cr18Ni9Ti, 304, 316 304L, 316L
5	支架 Bracket	WCB, CF8, CF8M CF3, CF3M
6	垫片 Shim	柔性石墨+不锈钢, PTFE Flexible graphite + non pound steel, PTFE
7	阀盖 Valve cover	WCB, CF8, CF8M CF3, CF3M
8	六角螺母 Hexagon nut	0Cr18Ni9Ti, 0Cr18Ni12Mo2Ti, 35CrMoV, 25Cr2MoV
9	双头螺栓 Double headed bolt	0Cr18Ni9Ti, 0Cr18Ni12Mo2Ti, 35CrMoV, 25Cr2MoV
10	填料 Filler	柔性石墨, PTFE Flexible graphite,PTFE
11	填料压盖 Packing gland	WCB, CF8, CF8M CF3, CF3M
12	阀杆螺母 Stem nut	铜合金ZQA19-4 Copper alloy,ZQA19-4
13	手轮 Handwheel	WCB QT400-18

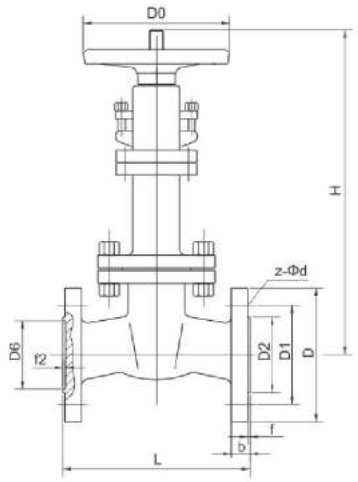
GB BELLOWS GATE VALVE
国标波纹管闸阀

科源阀门 KEYUAN VALVE



PN1.6MPa

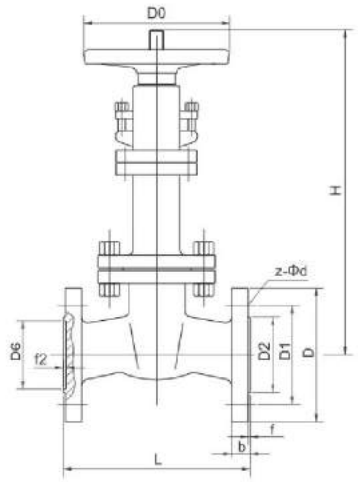
公称通径 DN	L	D	D1	D2	b-f	z-d	H	D0
15	130	95	65	45	16-2	4-14	230	160
20	150	105	75	55	16-2	4-14	240	160
25	160	115	85	65	16-2	4-14	240	160
32	180	135	100	78	18-2	4-18	370	200
40	200	145	110	85	18-3	4-18	400	200
50	250	160	125	100	20-3	4-18	430	200
65	265	180	145	120	22-3	8-18	430	200
80	280	195	160	135	22-3	8-18	460	250
100	300	215	190	155	24-3	8-23	520	250
125	325	270	220	188	28-3	8-25	600	250
150	350	300	250	218	30-3	8-25	675	350
200	400	360	310	278	34-3	12-25	820	400
250	450	425	370	332	36-3	12-30	995	400
300	500	485	430	390	40-4	16-30	1080	500
350	550	550	490	448	44-4	16-34	1220	500
400	600	610	550	505	48-4	16-34	1375	500



PN2.5MPa

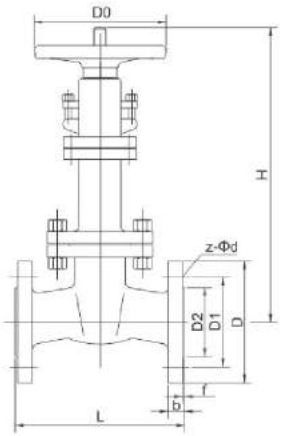
公称通径 DN	L	D	D1	D2	b-f	z-d	H	D0
15	130	95	65	45	16-2	4-14	230	160
20	150	105	75	55	16-2	4-14	240	160
25	160	115	85	65	16-2	4-14	240	160
32	180	135	100	78	18-2	4-18	370	200
40	200	145	110	85	18-3	4-18	400	200
50	250	160	125	100	20-3	4-18	430	200
65	265	180	145	120	22-3	8-18	430	200
80	280	195	160	135	22-3	8-18	460	250
100	300	215	190	155	24-3	8-23	520	250
125	325	270	220	188	28-3	8-25	600	250
150	350	300	250	218	30-3	8-25	675	350
200	400	360	310	278	34-3	12-25	820	400
250	450	425	370	332	36-3	12-30	995	400
300	500	485	430	390	40-4	16-30	1080	500
350	550	550	490	448	44-4	16-34	1220	500
400	600	610	550	505	48-4	16-34	1375	500
450	650	660	600	555	50-4	20-34	1450	600
500	700	730	660	610	52-4	20-41	1500	600
600	800	840	770	718	56-5	20-41	1600	600

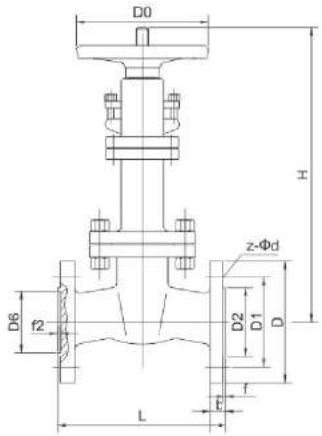
GB BELLOWS GATE VALVE
国标波纹管闸阀



PN4.0MPa

公称通径 DN	L	D	D1	D2	b-f	z-d	H	DO	D6	f2
15	130	95	65	45	16-2	4-14	230	160	40	4
20	150	105	75	55	16-2	4-14	240	160	51	4
25	160	115	85	65	16-2	4-14	240	160	58	4
32	180	135	100	78	18-2	4-18	370	200	66	4
40	200	145	110	85	18-3	4-18	400	200	76	4
50	250	160	125	100	20-3	4-18	430	200	88	4
65	280	180	145	120	22-3	8-18	430	200	110	4
80	310	195	160	135	22-3	8-18	460	250	121	4
100	350	230	190	160	24-3	8-23	535	250	150	4.5
125	400	270	220	188	28-3	8-25	615	250	176	4.5
150	450	300	250	218	30-3	8-25	685	350	204	4.5
200	550	375	320	282	38-3	12-30	840	400	260	4.5
250	650	445	385	345	42-3	12-34	1015	400	313	4.5
300	750	510	450	408	46-4	16-34	1135	500	364	4.5
350	850	570	510	465	52-4	16-34	1245	500	422	5
400	950	655	585	535	58-4	16-41	1410	500	474	5





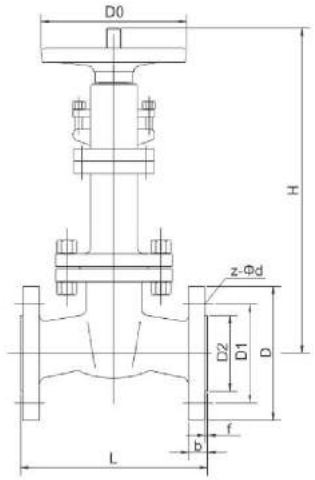
PN1.6MPa

公称通径 DN	L	D	D1	D2	b-f	z-d	H	D0
15	130	95	65	45	16-2	4-14	230	160
20	150	105	75	55	16-2	4-14	240	160
25	160	115	85	65	16-2	4-14	240	160
32	180	135	100	78	18-2	4-18	370	200
40	200	145	110	85	18-3	4-18	400	200
50	250	160	125	100	18-3	4-18	430	200
65	265	180	145	120	18-3	4-18	430	200
80	280	195	160	135	20-3	8-18	460	250
100	300	215	180	155	20-3	8-18	520	250
125	325	245	210	185	22-3	8-18	600	250
150	350	280	240	210	24-3	8-23	675	350
200	400	335	295	265	26-3	12-23	820	400
250	450	405	355	320	30-3	12-25	995	400
300	500	460	410	375	30-4	12-25	1080	500
350	550	520	470	435	34-4	16-25	1220	500
400	600	580	525	485	36-4	16-30	1375	500

PN2.5MPa

公称通径 DN	L	D	D1	D2	b-f	z-d	H	D0
15	130	95	65	45	16-2	4-14	230	160
20	150	105	75	55	16-2	4-14	240	160
25	160	115	85	65	16-2	4-14	240	160
32	180	135	100	78	18-2	4-18	370	200
40	200	145	110	85	18-3	4-18	400	200
50	250	160	125	100	20-3	4-18	430	200
65	265	180	145	120	22-3	8-18	430	200
80	280	195	160	135	22-3	8-18	460	250
100	300	215	190	155	24-3	8-23	520	250

GB BELLOWS GATE VALVE
国标波纹管闸阀



PN1.6MPa

公称通径 DN	L	D	D1	D2	b-f	z-d	H	D0
15	130	95	65	45	16-2	4-14	230	160
20	150	105	75	55	16-2	4-14	240	160
25	160	115	85	65	16-2	4-14	240	160
32	180	135	100	78	18-2	4-18	370	200
40	200	145	110	85	18-3	4-18	400	200
50	250	160	125	100	18-3	4-18	430	200
65	265	180	145	120	18-3	4-18	430	200
80	280	195	160	135	20-3	8-18	460	250
100	300	215	190	155	20-3	8-18	520	250
125	325	270	220	188	22-3	8-18	600	250
150	350	300	250	218	24-3	8-23	675	350
200	400	360	310	278	26-3	12-23	820	400
250	450	425	370	332	30-3	12-25	995	400
300	500	485	430	390	30-4	12-25	1080	500
350	550	550	490	448	34-4	16-25	1220	500
400	600	610	550	505	36-4	16-30	1375	500
450	650	660	600	555	40-4	20-30	1450	600
500	700	730	660	610	44-4	20-34	1500	600
600	800	840	770	718	48-5	20-41	1600	600

GATE VALVE
闸阀系列

保障每一台阀门都以高品质、
高标准服务于我们的客户，
为您带来更大的汇报价值。

To ensure that each valve with high quality,
High standards of service to our customers,
Bring you greater reporting value.

用途

法兰连接铸钢闸阀适用于公称压力PN1.6~42.0MPa(Class150~2500)，工作温度≤600°C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。

Purpose

Flanged cast steel gate valves are suitable for nominal pressure PN1.6~42.0MPa (Class150~2500),Al kinds of pipeline working temperature less than 600 DEG C petroleum, chemical industry, power plant and so on, cut offOr through the pipeline medium.

结构特点

1. 设计制造严格GB/T12234，API600，API602标准。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. 公称压力≥15.0MPa(Class900),中腔采用自紧密封式结构,密封性随压力升高而增强,保证了密封性能。
5. 阀门设有倒密封结构，密封可靠。
6. 零件材质及法兰、对焊端尺寸可根据工况或用户要求合理选配，满足各种工程需求。

Structure Characteristics

1. Design and manufacture of strict GB/T 2234, API600, API602 standards. Reasonable product structure. Reliable sealing, excellent performance, beautiful appearance.
2. Sealing surface surfacing Co base hard alloy, wear resistance, corrosion resistance, good abrasion resistance, sevice lifeLong.
3. Stem hardened and surface nitriding treatment, good corrosion resistance and scratch resistance.
4. Nominal pressure is greater than or equal to 15.0MPa (Class900), in the cavity with self tightening sealing structure, sealing withincreased pressure to ensure the sealing performance.
5. Valve with reverse seal structure, reliablesealing.
6. The part material and flange, butt size according to the actualconditionsoruser requirementsreasonable matchingcan fullMeet the needs of a variety of engineering.

产品适用范围 Product Scope of Application

基本型号 Basic model	(Hs,Ps)Z11H, (Hs,Ps)Z11Y, (Ps)Z41H, (Ps)Z41Y, (Ps)Z441H (Ps)Z441Y, (Ps)Z541H, (Ps)Z541Y, (Ps)Z941H, (Ps)Z941Y			
压力等级范围 Pressure range	PN1.6~42.0MPa(Class150~2500)			
通径范围 Path range	DN15~1000mm(1"~40")			
驱动方式 Driving mode	手轮驱动 Hand wheel drive			齿轮动、电动 Gear motor, electric
适用范围 Scope of application	Class150~300 (PN1.6~4.0)	Class150~300 (PN6.4~10.0)	Class900~2500 (PN15.0~42.0)	2"~40" (DN50~1000mm)
	1/2"~24" (DN15~600mm)	1/2"~12" (DN15~300mm)	1/2"~10" (DN15~250mm)	

产品性能规范 Product Performance Specification

压力等级 Pressure class		常温试验压力 Test pressure at room temperature(MPa) 壳体试验 Shell test	密封试验 Seal test	上密封试验 Upper seal test	适用温度 Applicable Temperature	适用介质 Applicable Medium
公称压力 (MPa)	1.6	2.4	1.76	1.76	-196~600°C	水、蒸气、油品等 Water, steam, oil, etc.
	2.5	3.8	2.75	2.75		
	4.0	6.0	4.4	4.4		
	6.4	9.6	7.04	7.04		
	10.0	15.0	11.0	11.0		
	16.0	24.0	17.6	17.6		
	25.0	37.5	27.5	27.5		
磅级 (Lb)	150	3.0	2.2	2.2		
	300	7.5	5.5	5.5		
	600	15.0	11.0	11.0		
	900	22.5	16.5	16.5		
	1500	37.5	27.5	27.5		
	2500	63.0	46.2	46.2		

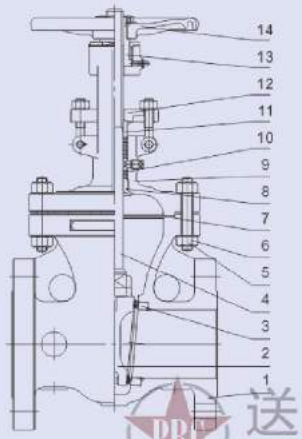
产品采用标准 Products Using Standard

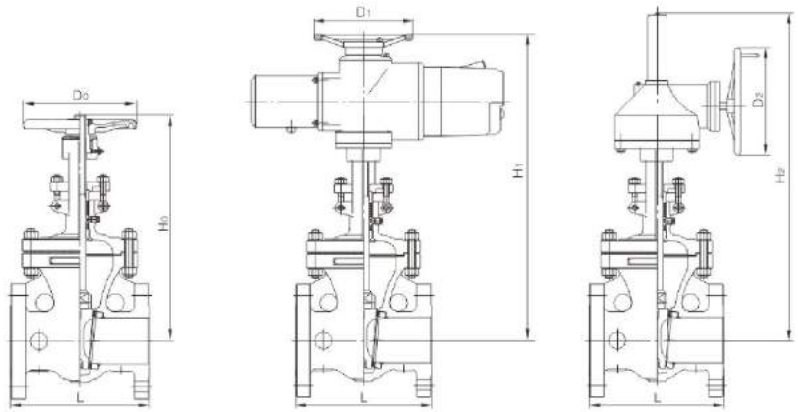
结构形式 Structural style	栓接阀盖明杠支架结构 Plug valve bar support structure of Ming gai	结构长度 Structure length	GB/T 12221
驱动方式 Driving mode	手动、齿轮动、电动 Manual, gear, electric	连接法兰 Connecting flange	GB/T 9113,JB/T 79,HG20592
设计标准 Design standard	GB/T 12234	试验和检验 Test and inspection	JB/T 9092

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

主要零部件材质 Main Parts Material

序号 No.	零件名称 Part name	材质 Texture of material
1	阀体 Body	WCB, WCI, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
2	阀板 Plate	WCB, WCI, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
3	阀座 Seat	A105, 304, 1Cr5Mo, 12Cr1MoV
4	阀杆 Stem	1Cr13, 2Cr13, 1Cr18Ni9 0Cr18Ni2Mo2Ti, 20Cr1Mo1V, 25Cr2MoV
5	双头螺柱 Double headed stud	35CrMoA, 0Cr18Ni9 0Cr17Ni12Mo2, 25Cr2MoV
6	六角螺母 Hexagon nut	45, 35CrMoA, 25Cr2MoV 0Cr18Ni9, 0Cr17Ni12Mo2
7	垫片 Shim	柔性石墨+不锈钢 Flexible graphite + stainless steel
8	上密封座 Upper seal seat	1Cr13, 2Cr13, 1Cr18Ni9 0Cr18NH2Mo2Ti, 20Cr1Mo1V, 25Cr2MoV
9	阀盖 Valve cover	WCB, WCI, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
10	填料 Filler	柔性石墨 Flexible graphite
11	填料压套 Packing press sleeve	1Cr13, 2Cr13, 1Cr18Ni9, 0Cr18Ni12Mo2T
12	填料压盖 Packing gland	WCB, CF8, CF8M, CF8C,CF3, CF3M
13	阀杆螺母 Stem nut	铜合金 Copper alloy
14	手轮 Handwheel	KTH330, QT400-17





PN1.6MPa

传动方式 Transmission mode		手动 Manual			电动 Electric				齿轮动 Gear moving			
DN (mm)	L	H0	D0	重量 Weight(kg)	H1	D1	电动装置 Motor unit	重量 Weight(kg)	H2	D2	齿轮装置 Gear unit	重量 Weight(kg)
15	130	170	120	-	-	-	-	-	-	-	-	-
20	150	190	140	-	-	-	-	-	-	-	-	-
25	160	205	160	-	-	-	-	-	-	-	-	-
32	180	270	180	-	-	-	-	-	-	-	-	-
40	200	310	200	-	630	590	YMG-Z10	-	-	-	-	-
50	250	358	240	-	678	590	YMG-Z10	-	-	-	-	-
65	265	373	240	-	693	590	YMG-Z15	-	-	-	-	-
80	280	435	280	-	755	590	YMG-Z20	-	-	-	-	-
100	300	500	300	-	820	590	YMG-Z20	-	-	-	-	-
125	325	614	350	-	934	590	YMG-Z30	-	-	-	-	-
150	350	674	360	-	994	590	YMG-Z30	-	-	-	-	-
200	400	818	400	-	1138	590	YMG-Z30	-	-	-	-	-
250	450	969	450	-	1409	810	YMG-Z45	-	-	-	-	-
300	500	1145	560	-	1588	810	YMG-Z60	-	1310	310	BA-0	-
350	550	1280	640	-	1755	830	YMG-Z90	-	1468	310	BA-0	-
400	600	1452	640	-	1902	830	YMG-Z120	-	1780	460	BA-1	-
450	650	1541	720	-	2141	870	YMG-Z180	-	1880	460	BA-1	-
500	700	1676	720	-	2276	870	YMG-Z250	-	2110	160	BA-2	-
600	800	1874	800	-	2474	870	YMG-Z250	-	2410	460	BA-2	-
700	900	-	-	-	3046	1170	YMG-Z350	-	2600	460	BA-2	-
800	1000	-	-	-	3250	1170	YMG-Z500	-	2860	610	BAA-3	-
900	1100	-	-	-	3509	1060	YMG-Z800	-	3170	610	BAA-3	-
1000	1200	-	-	-	3873	1060	YMG-Z1000	-	-	-	-	-

PN2.5MPa

传动方式 Transmission mode		手动 Manual			电动 Electric				齿轮动 Gear moving			
DN (mm)	L	H0	D0	重量 Weight(kg)	H1	D1	电动装置 Motor unit	重量 Weight(kg)	H2	D2	齿轮装置 Gear unit	重量 Weight(kg)
15	130	170	120	-	-	-	-	-	-	-	-	-
20	150	190	140	-	-	-	-	-	-	-	-	-
25	160	205	160	-	-	-	-	-	-	-	-	-
32	180	270	180	-	-	-	-	-	-	-	-	-
40	200	310	200	-	630	590	YMG-Z10	-	-	-	-	-
50	250	358	240	-	678	590	YMG-Z10	-	-	-	-	-
65	265	373	240	-	693	590	YMG-Z15	-	-	-	-	-
80	280	435	280	-	755	590	YMG-Z20	-	-	-	-	-
100	300	500	300	-	820	590	YMG-Z20	-	-	-	-	-
125	325	614	350	-	934	590	YMG-Z30	-	-	-	-	-
150	350	674	360	-	994	590	YMG-Z30	-	-	-	-	-
200	400	818	400	-	1138	590	YMG-Z30	-	-	-	-	-
250	450	969	450	-	1409	810	YMG-Z45	-	-	-	-	-
300	500	1145	560	-	1588	810	YMG-Z60	-	1310	310	BA-0	-
350	550	1280	640	-	1755	830	YMG-Z90	-	1468	310	BA-0	-
400	600	1452	640	-	1902	830	YMG-Z120	-	1780	460	BA-1	-
450	650	1541	720	-	2141	870	YMG-Z180	-	1880	460	BA-1	-
500	700	1676	720	-	2276	870	YMG-Z250	-	2110	160	BA-2	-
600	800	1874	800	-	2474	870	YMG-Z250	-	2410	460	BA-2	-
700	900	-	-	-	3046	1170	YMG-Z350	-	2600	460	BA-2	-
800	1000	-	-	-	3250	1170	YMG-Z500	-	2860	610	BAA-3	-
900	1100	-	-	-	3509	1060	YMG-Z800	-	3170	610	BAA-3	-
1000	1200	-	-	-	3873	1060	YMG-Z1000	-	-	-	-	-

PN4.0MPa

传动方式 Transmission mode		手动 Manual			电动 Electric				齿轮动 Gear moving			
DN (mm)	L	H0	D0	重量 Weight(kg)	H1	D1	电动装置 Motor unit	重量 Weight(kg)	H2	D2	齿轮装置 Gear unit	重量 Weight(kg)
15	130	135	120	-	-	-	-	-	-	-	-	-
20	150	190	140	-	-	-	-	-	-	-	-	-
25	160	205	160	-	-	-	-	-	-	-	-	-
32	180	270	180	-	-	-	-	-	-	-	-	-
40	200	310	200	-	630	590	YMG-Z10	-	-	-	-	-
50	250	371	280	-	670	590	YMG-Z10	-	-	-	-	-
65	280	391	280	-	712	590	YMG-Z15	-	-	-	-	-
80	310	455	320	-	775	590	YMG-Z20	-	-	-	-	-
100	350	551	360	-	875	590	YMG-Z20	-	-	-	-	-
125	400	628	400	-	948	590	YMG-Z20	-	-	-	-	-
150	450	708	400	-	1030	590	YMG-Z30	-	-	-	-	-
200	550	885	460	-	1325	590	YMG-Z45	-	-	-	-	-
250	650	906	560	-	1400	810	YMG-Z60	-	-	-	-	-
300	750	1203	640	-	1655	830	YMG-Z120	-	1500	460	BA-1	-
350	850	1341	640	-	1795	830	YMG-Z180	-	1960	460	BA-1	-
400	950	1492	720	-	2093	870	YMG-Z250	-	2170	460	BA-1	-
500	1150	-	-	-	2645	870	YMG-Z250	-	2450	610	BA-2	-
600	1350	-	-	-	2865	1170	YMG-Z350	-	2940	640	BA-2	-
700	1450	-	-	-	3450	1170	YMG-Z500	-	-	-	-	-
800	1650	-	-	-	3920	1060	YMG-Z800	-	-	-	-	-

PN6.4MPa

传动方式 Transmission mode		手动 Manual			电动 Electric				齿轮动 Gear moving			
DN (mm)	L	H0	D0	重量 Weight(kg)	H1	D1	电动装置 Motor unit	重量 Weight(kg)	H2	D2	齿轮装置 Gear unit	重量 Weight(kg)
15	170	140	100	-	-	-	-	-	-	-	-	-
20	190	140	100	-	-	-	-	-	-	-	-	-
25	210	215	180	-	-	-	-	-	-	-	-	-
32	230	270	180	-	-	-	-	-	-	-	-	-
40	240	345	200	-	665	590	YMG-Z10	-	-	-	-	-
50	250	470	200	-	790	590	YMG-Z15	-	-	-	-	-
65	280	520	250	-	840	590	YMG-Z20	-	-	-	-	-
80	310	570	300	-	890	590	YMG-Z20	-	-	-	-	-
100	350	700	300	-	1020	590	YMG-Z30	-	-	-	-	-
125	400	780	350	-	1100	590	YMG-Z30	-	-	-	-	-
150	450	850	350	-	1290	590	YMG-Z45	-	-	-	-	-
200	550	1035	400	-	1475	810	YMG-Z60	-	1420	310	BA-0	-
250	650	1050	560	-	1500	830	YMG-Z90	-	1580	460	BA-1	-
300	750	1470	640	-	1820	830	YMG-Z120	-	1770	460	BA-1	-
350	850	-	-	-	2216	870	YMG-Z180	-	2060	460	BA-1	-
400	950	-	-	-	2838	870	YMG-Z250	-	2270	460	BA-1	-
500	1150	-	-	-	3320	1170	YMG-Z350	-	-	-	-	-
600	1350	-	-	-	3684	1170	YMG-Z500	-	-	-	-	-

PN10.0MPa

传动方式 Transmission mode		手动 Manual			电动 Electric				齿轮动 Gear moving			
DN (mm)	L	H0	D0	重量 Weight(kg)	H1	D1	电动装置 Motor unit	重量 Weight(kg)	H2	D2	齿轮装置 Gear unit	重量 Weight(kg)
40	240	360	320	-	680	590	YMG-Z15	-	-	-	-	-
50	250	490	360	-	810	590	YMG-Z20	-	-	-	-	-
65	280	540	400	-	860	590	YMG-Z20	-	-	-	-	-
80	310	572	400	-	896	590	YMG-Z30	-	-	-	-	-
100	350	573	400	-	1013	590	YMG-Z45	-	-	-	-	-
125	400	744	560	-	1184	810	YMG-Z60	-	-	-	-	-
150	450	800	560	-	1250	830	YMG-Z90	-	-	-	-	-
200	550	800	560	-	1250	830	YMG-Z120	-	1490	310	BA-0	-
250	650	1050	600	-	1650	870	YMG-Z180	-	1720	460	BA-1	-
300	750	1200	640	-	1800	870	YMG-Z250	-	1890	460	BA-1	-
350	850	-	-	-	2030	1170	YMG-Z350	-	2180	610	BA-2	-
400	950	-	-	-	2250	1170	YMG-Z500	-	2390	610	BA-2	-
500	1150	-	-	-	2550	1060	YMG-Z800	-	-	-	-	-

PN16.0MPa

传动方式 Transmission mode		手动 Manual			电动 Electric				齿轮动 Gear moving			
DN (mm)	L	H0	D0	重量 Weight(kg)	H1	D1	电动装置 Motor unit	重量 Weight(kg)	H2	D2	齿轮装置 Gear unit	重量 Weight(kg)
40	160	395	320	-	670	590	YMG-Z15	-	-	-	-	-
50	300	612	360	-	832	590	YMG-Z20	-	-	-	-	-
65	340	677	360	-	880	590	YMG-Z30	-	-	-	-	-
80	390	686	400	-	905	590	YMG-Z30	-	-	-	-	-
100	450	751	450	-	1071	590	YMG-Z45	-	-	-	-	-
125	525	868	560	-	1163	810	YMG-Z60	-	-	-	-	-
150	600	997	640	-	1170	830	YMG-Z90	-	1250	460	BA-1	-
200	750	1224	720	-	1440	830	YMG-Z120	-	1520	460	BA-1	-
250	850	-	-	-	1760	870	YMG-Z180	-	1540	610	BA-2	-
300	950	-	-	-	2230	870	YMG-Z250	-	1620	610	BA-3	-

PN25.0MPa

传动方式 Transmission mode		手动 Manual			电动 Electric				齿轮动 Gear moving			
DN (mm)	L	H0	D0	重量 Weight(kg)	H1	D1	电动装置 Motor unit	重量 Weight(kg)	H2	D2	齿轮装置 Gear unit	重量 Weight(kg)
50	350	350	360	-	813	590	YMG-Z30	-	-	-	-	-
65	410	410	400	-	855	590	YMG-Z30	-	-	-	-	-
80	470	470	400	-	1016	590	YMG-Z45	-	-	-	-	-
100	550	550	560	-	1099	810	YMG-Z60	-	-	-	-	-
125	650	650	560	-	1160	830	YMG-Z90	-	-	-	-	-
150	750	750	640	-	1240	830	YMG-Z120	-	-	-	-	-
200	830	832	720	-	1520	870	YMG-Z180	-	-	-	-	-
250	991	991	800	-	1680	870	YMG-Z250	-	-	-	-	-

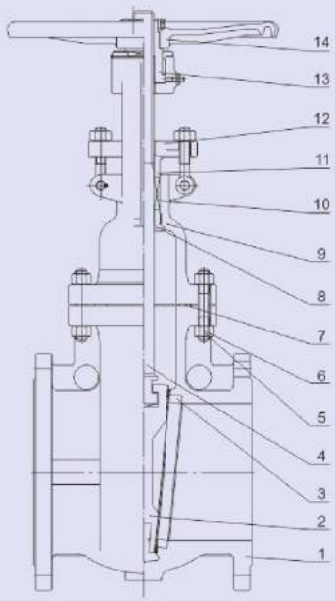
产品采用标准 Products Using Standard

结构形式 Structural style	压力密封阀盖明杠支架结构 The pressure seal valve bar support structure of Ming gai
驱动方式 Driving mode	手动、齿轮动、电动 Manual, gear, electric
设计标准 Design standard	API 600、API 6D
结构长度 Structure length	ASME B 16.10
连接法兰 Connecting flange	ASME B 16.15
试验和检验 Test and inspection	API 598

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

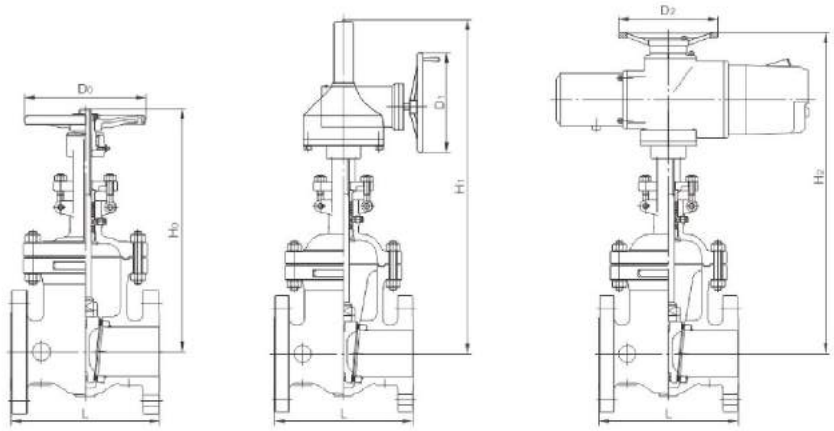
主要零部件材质 Main Parts Material

序号 No.	零件名称 Part name	材质 Texture of material
1	阀体 Body	ASTM A216-WCB ASTM A217-WC1、WC6、WC9、C5 ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
2	阀板 Plate	ASTM A216-WCB ASTM A217-WC1、WC6、WC9、C5 ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
3	阀座 Seat	ASTM A105 ASTM A182-F11、F22、F5、F9
4	阀杆 Stem	ASTM A182Gr.F6a、ASTM A1 82F22 ASTMAI82-F304、F316、F321、F304L、F316L
5	双头螺柱 Double headed stud	ASTM A193-B7、A320-B8、A193-B8M
6	六角螺母 Hexagon nut	ASTM A194-2H、A194-8、A194-8M
7	垫片 Shim	柔性石墨+不锈钢 Flexible graphite + stainless steel
8	上密封座 Upper seal seat	ASTM A182Gr.F6a、ASTM A1 82F22 ASTMAI82-F304、F316、F321、F304L、F316L
9	阀盖 Valve cover	ASTM A216-WCB ASTM A217-WC1、WC6、WC9、C5 ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
10	填料 Filler	柔性石墨 Flexible graphite
11	填料压套 Packing press sleeve	ASTM A182Gr.F6a、ASTM CHIA182-F304、F316、F321、F304L、F316L
12	填料压盖 Packing gland	ASTM A216-WCB ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
13	阀杆螺母 Stem nut	铜合金 Copper alloy
14	手轮 Handwheel	ASTM A47-32510



API GATE VALVE
API闸阀

科源阀门 KEYUAN VALVE



Class 150

传动方式 Transmission mode		手动 Manual			齿轮动 Gear moving			
NPS (in)	L	H0	D0	重量 Weight(kg)	H1	D1	齿轮装置 Gear unit	重量 Weight(kg)
2	178	360	200	-	-	-	-	-
2 ½	190	410	200	-	-	-	-	-
3	203	440	250	-	-	-	-	-
4	229	500	250	-	-	-	-	-
5	254	580	300	-	-	-	-	-
6	267	660	300	-	-	-	-	-
8	292	775	350	-	-	-	-	-
10	330	925	450	-	-	-	-	-
12	356	1100	500	-	-	-	-	-
14	381	1295	600	-	1651	310	BA-0	-
16	406	1435	600	-	1879	460	BA-1	-
18	432	1626	650	-	2184	460	BA-1	-
20	457	1829	650	-	2431	610	BA-2	-
24	508	2175	700	-	2873	610	BA-2	-
26	559	2235	750	-	3086	610	BA-2	-
28	610	2310	750	-	3327	610	BA-2	-
30	610	2695	800	-	3606	610	BAA-3	-
32	660	-	-	-	3708	610	BAA-3	-
36	711	-	-	-	3924	610	BAA-3	-
40	812	-	-	-	4318	610	BAA-3	-
42	812	-	-	-	4546	610	BAA-3	-
48	1066	-	-	-	5181	610	BAA-3	-

Class 300

传动方式 Transmission mode		手动 Manual			齿轮动 Gear moving				电动 Electric			
NPS (in)	L	H0	D0	重量 Weight(kg)	H1	D1	齿轮装置 Gear unit	重量 Weight(kg)	H2	D2	电动装置 Motor unit	重量 Weight(kg)
2	216	380	200	-	-	-	-	-	-	-	-	-
2 ½	241	410	250	-	-	-	-	-	-	-	-	-
3	283	450	250	-	-	-	-	-	-	-	-	-
4	305	530	300	-	-	-	-	-	-	-	-	-
5	381	700	300	-	-	-	-	-	-	-	-	-
6	403	730	350	-	-	-	-	-	-	-	-	-
8	419	820	450	-	-	-	-	-	-	-	-	-
10	457	1010	500	-	-	-	-	-	-	-	-	-
12	502	1130	560	-	-	-	-	-	-	-	-	-
14	762	1489	600	-	1790	460	BA-1	-	-	-	-	-
16	838	1580	650	-	1968	460	BA-1	-	-	-	-	-
18	914	2017	700	-	2273	610	BA-2	-	-	-	-	-
20	991	2228	700	-	2482	610	BA-2	-	-	-	-	-
24	1143	2650	750	-	3054	610	BA-2	-	-	-	-	-
26	1245	-	-	-	3219	610	BA-2	-	-	-	-	-
28	1346	-	-	-	3378	610	BAA-3	-	-	-	-	-
30	1397	-	-	-	3530	610	BAA-3	-	-	-	-	-
32	1524	-	-	-	3695	610	BAA-3	-	-	-	-	-
36	1727	-	-	-	3987	610	BAA-3	-	-	-	-	-
40	1955	-	-	-	4445	610	BAA-3	-	-	-	-	-
42	2032	-	-	-	4699	610	BAA-3	-	-	-	-	-
48	2966	-	-	-	5435	610	BAA-3	-	-	-	-	-

Class 600

传动方式 Transmission mode		手动 Manual			齿轮动 Gear moving				电动 Electric			
NPS (in)	L	H0	D0	重量 Weight(kg)	H1	D1	齿轮装置 Gear unit	重量 Weight(kg)	H2	D2	电动装置 Motor unit	重量 Weight(kg)
2	292	425	250	-	-	-	-	-	550	590	YMG-Z20	-
2 ½	330	485	300	-	-	-	-	-	600	590	YMG-Z20	-
3	356	510	300	-	-	-	-	-	660	590	YMG-Z30	-
4	432	610	400	-	-	-	-	-	780	590	YMG-Z45	-
5	508	700	450	-	-	-	-	-	850	810	YMG-Z60	-
6	559	820	500	-	840	310	BA-0	-	990	830	YMG-Z90	-
8	660	920	600	-	930	310	BA-0	-	1130	830	YMG-Z120	-
10	787	1080	600	-	1105	460	BA-1	-	1360	870	YMG-Z180	-
12	838	1220	650	-	1220	460	BA-1	-	1520	870	YMG-Z250	-
14	889	1473	700	-	1380	610	BA-2	-	1730	1170	YMG-Z350	-
16	991	1651	800	-	1435	610	BA-2	-	1840	1170	YMG-Z500	-
18	1092	1727	800	-	1915	610	BA-2	-	2370	1060	YMG-Z800	-
20	1194	2019	800	-	2095	610	BAA-3	-	2600	1060	YMG-Z800	-
24	1397	-	-	-	2155	610	BAA-3	-	3160	1060	YMG-Z1000	-
26	1448	-	-	-	2271	610	BAA-3	-	-	-	-	-
28	1549	-	-	-	2436	610	BAA-3	-	-	-	-	-
30	1651	-	-	-	2577	610	BAA-3	-	-	-	-	-
32	1778	-	-	-	2781	610	BAA-3	-	-	-	-	-
36	2083	-	-	-	3113	610	BAA-3	-	-	-	-	-
40	2149	-	-	-	3241	610	BAA-3	-	-	-	-	-
42	2260	-	-	-	3572	610	BAA-3	-	-	-	-	-
48	2667	-	-	-	4261	610	BAA-3	-	-	-	-	-

Class 900

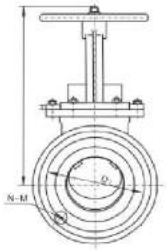
传动方式 Transmission mode		手动 Manual			齿轮动 Gear moving				电动 Electric			
NPS (in)	L	H0	D0	重量 Weight(kg)	H1	D1	齿轮装置 Gear unit	重量 Weight(kg)	H2	D2	电动装置 Motor unit	重量 Weight(kg)
2	372	540	300	-	-	-	-	-	832	590	YMG-Z20	-
2 ½	422	555	350	-	-	-	-	-	880	590	YMG-Z30	-
3	384	625	350	-	-	-	-	-	910	590	YMG-Z30	-
4	460	730	400	-	-	-	-	-	1020	590	YMG-Z45	-
6	613	860	600	-	895	460	BA-1	-	1060	830	YMG-Z90	-
8	740	930	600	-	1070	460	BA-1	-	1150	830	YMG-Z120	-
10	841	1090	650	-	1290	610	BA-2	-	1320	870	YMG-Z180	-
12	968	1245	700	-	1540	610	BA-2	-	1580	870	YMG-Z250	-
14	1038	-	-	-	1620	610	BAA-3	-	1660	1170	YMG-Z350	-
16	1140	-	-	-	1730	610	BAA-3	-	1780	1170	YMG-Z500	-

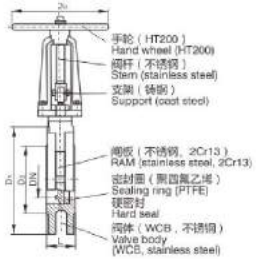
Class 1500

传动方式 Transmission mode		手动 Manual			齿轮动 Gear moving				电动 Electric			
NPS (in)	L	H0	D0	重量 Weight(kg)	H1	D1	齿轮装置 Gear unit	重量 Weight(kg)	H2	D2	电动装置 Motor unit	重量 Weight(kg)
3	473	-	-	-	-	-	-	-	960	590	YMG-Z45	-
4	549	-	-	-	-	-	-	-	1040	810	YMG-Z60	-
6	711	-	-	-	1250	460	BA-1	-	1250	830	YMG-Z120	-
8	841	-	-	-	1600	460	BA-1	-	1600	870	YMG-Z180	-
10	1000	-	-	-	-	-	-	-	1860	870	YMG-Z250	-
12	1146	-	-	-	-	-	-	-	2150	1170	YMG-Z350	-
14	1276	-	-	-	-	-	-	-	2380	1170	YMG-Z500	-
16	1407	-	-	-	-	-	-	-	2580	1060	YMG-Z800	-

KNIFE GATE VALVE

伞齿轮/手动刀形闸阀





主要性能范围 Main Performance Range

公称压力 DN(MPa)	试验压力 Test pressure(MPa)		工作温度 Working temperature(℃)	适用介质 Applicable medium
	壳体 Housing	密封 Seal up		
1.0	1.5	1.1	橡胶Rubber≤80℃	糖浆、纸浆、污水、煤浆、灰、渣水混合物 Syrup, paper pulp, sewage, coal slurry, ash, slag water mixture
1.6	2.4	1.8	铸≤425°C	

主要材料 Main Material

体、盖 Body and cover	闸板 Gate	阀杆 Stem	密封面 Sealing surface
不锈钢、碳钢、灰铸铁 Stainless steel, carbon steel, gray cast iron	碳钢、不锈钢 Carbon steel, stainless steel	不锈钢 Stainless steel	橡胶、四氟、不锈钢、硬质合金 Rubber, PTFE, stainless steel, hard alloy

1.0MPa

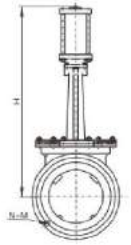
公称通径 DN	L	D	D1	D2	H	N-M	D0	重量 Weight(kg)
50	50	160	125	100	285	4-M16	180	-
65	50	180	145	120	298	4-M16	180	-
80	50	195	160	135	315	4-M16	220	-
100	50	215	180	155	365	8-M16	220	-
125	50	245	210	185	400	8-M16	230	-
150	60	280	240	210	475	8-M20	280	-
200	60	335	295	265	540	8-M20	360	-
250	70	390	350	320	630	12-M20	360	-
300	80	440	400	368	780	12-M20	400	-
350	90	500	460	428	885	16-M20	400	-
400	100	565	515	482	990	16-M22	400	-
450	120	615	565	532	1100	20-M22	530	-
500	130	670	620	585	1200	20-M22	530	-
600	140	780	725	685	1450	20-M27	600	-
700	165	895	840	800	1700	24-M27	600	-
800	190	1010	950	905	2000	24-M30	680	-
900	203	1110	1050	1005	2300	28-M30	680	-

1.6MPa

公称通径 DN	L	D	D1	D2	H	N-M	D0	重量 Weight(kg)
50	50	160	125	99	285	4-M16	180	-
65	50	185	145	120	295	4-M16	180	-
80	50	200	160	135	315	8-M16	220	-
100	50	220	180	155	365	8-M16	220	-
125	50	250	210	185	400	8-M16	230	-
150	60	285	240	210	475	8-M20	280	-
200	60	340	295	265	540	12-M20	360	-
250	70	405	355	310	630	12-M24	360	-
300	80	460	410	375	780	12-M24	400	-
350	90	520	470	435	885	16-M24	400	-
400	100	580	525	485	990	16-M27	400	-
450	120	640	585	545	1100	20-M27	530	-
500	130	715	650	609	1200	20-M30	530	-
600	140	840	770	720	1450	20-M33	600	-
700	165	910	840	788	1700	24-M33	600	-
800	190	1025	950	898	2000	24-M36	680	-
900	203	1125	1050	988	2300	28-M36	680	-

KNIFE GATE VALVE

电动/气动刀形闸阀



0.6MPa

公称通径 DN	L	D	D1	D2	H	N-M	重量 Weight(kg)
50	50	140	110	90	335	4-M12	-
65	50	160	130	110	363	4-M12	-
80	50	185	150	125	395	4-M16	-
100	50	205	170	145	465	8-M16	-
125	50	235	200	175	530	8-M16	-
150	60	260	225	200	630	8-M16	-
200	60	315	280	255	750	8-M16	-
250	70	370	335	310	900	12-M16	-
300	80	435	395	362	1120	12-M20	-
350	90	485	445	412	1260	12-M20	-
400	100	535	498	462	1450	16-M20	-
450	120	590	550	518	1600	16-M20	-
500	130	640	600	568	1800	16-M20	-
600	140	755	705	670	2300	20-M22	-

1.0MPa

公称通径 DN	L	D	D1	D2	H	N-M	重量 Weight(kg)
50	50	160	125	100	335	4-M16	-
65	50	180	145	120	363	4-M16	-
80	50	195	160	135	395	4-M16	-
100	50	215	180	155	465	8-M16	-
125	50	245	210	185	530	8-M16	-
150	60	280	240	210	630	8-M20	-
200	60	335	295	265	750	8-M20	-
250	70	390	350	320	900	12-M20	-
300	80	440	400	368	1120	12-M20	-
350	90	500	460	428	1260	16-M20	-
400	100	565	515	482	1450	16-M22	-
450	120	615	565	532	1600	20-M22	-
500	130	670	620	585	1800	20-M22	-
600	140	780	725	685	2300	20-M27	-

1.6MPa

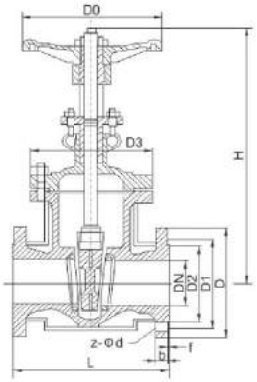
公称通径 DN	L	D	D1	D2	H	N-M	重量 Weight(kg)
50	50	160	125	100	335	4-M16	-
65	50	185	145	120	363	4-M16	-
80	50	200	160	135	395	8-M16	-
100	50	220	180	155	480	8-M16	-
125	50	250	210	185	540	8-M16	-
150	60	285	240	210	645	8-M30	-
200	60	340	295	265	770	12-M20	-
250	70	405	355	320	920	12-M22	-
300	80	460	410	375	1150	12-M22	-
350	90	520	470	435	1300	16-M22	-
400	100	580	525	485	1500	16-M27	-
450	120	640	585	545	1650	20-M27	-
500	130	715	650	608	1850	20-M30	-
600	140	840	770	718	2360	20-M36	-

产品说明

BZ41H、BZ41W、BZ41Y 型 PN16~PN40 保温夹套式楔式闸阀：手动、法兰连接、明杆楔式刚性单闸板，阀座密封面材料为合金和不锈钢，公称压力 PN16~PN40，阀体材料为碳钢、铬镍钼钛不锈钢，具有保温功能的闸阀。主要用于石油、化工、冶金、制药等各类系统中，能保温和防止介质结晶，以输送常温下会凝固的高粘度介质。

Product Description

BZ41H, BZ41W, BZ41Y type PN16~PN40 insulation jacket type Wedge type gate valve: manual, flange connection, open bar wedge rigid single gate valve Seat sealing material for alloy and stainless steel, nominal pressure PN16~PN40,Valve body material is carbon steel, chromium nickel molybdenum titanium stainless steel, with thermal insulation function of the gate Valve. Mainly used in petroleum, chemical, metallurgy, pharmaceutical and other systems, Can heat preservation and prevent the crystallization of the media, in order to transport high viscosity at room temperature Medium.



产品特点

1. 夹套焊装于阀门的两法兰之间，阀门的侧面、底部设置有夹套的连接口。
2. 连接法兰尺寸比同一规格普通阀门的连接法兰大一到两个规格，结构长度与同规格的普通阀门相同。
3. 夹套中可自由地流过蒸汽或其它热的保温介质，确保粘稠介质可顺畅地流过阀门。

Product Features

1. Between to two of the valve jacket welding flange, side and bottom valveConnecting port with jacket.
2. the size of the connecting flange is larger than that of the common valve with the same specificationTo the two specifications, the structure of the same length and the same standard valve.
3. The jacket can freely flow through steam or other thermal insulation mediumThe viscous medium can flow smoothly through the valve.

主要零件材料 Main Part Material

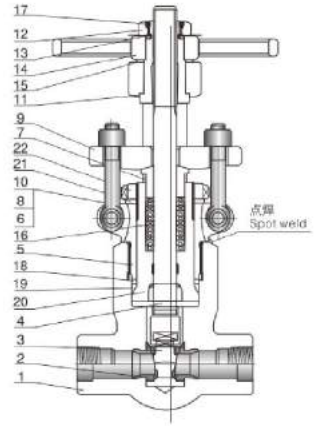
零件 Spare parts	材料 Material Science	
阀体、阀盖、闸板 Valve body, valve cover, gate	CF8 碳素钢、WCB C-F8, steel, WCB	
阀座和闸板密封面 Sealing surface of valve seat and disc	堆焊铁基合金 Surfacing iron base alloy	堆焊硬质合金 Surfacing cemented carbide
阀杆 Stem	304 铬不锈钢 2Cr13 304, chromium stainless steel 2Cr13	
填料 Filler	石棉石墨/柔性石墨 Asbestos graphite / flexible graphite	
手轮 Handwheel	球墨铸铁或铸钢 Nodular cast iron or cast steel	

BZ41W-16

DN	L	D	D1	D2	b	z×Φd	H	D0	加热汽接头螺纹 Heating steam connection screw thread	重量 Weight /kg
50	250	195	160	135	20	8×Φ18	358	280	M12×1.25	-
80	310	245	210	185	22	8×Φ18	435	320	M12×1.25	-
100	350	280	240	210	24	8×Φ23	502	360	M12×1.25	-
150	450	335	295	265	26	12×Φ23	675	400	M12×1.25	-
200	550	405	355	320	30	12×Φ25	820	400	M12×1.25	-
250	650	460	410	375	30	12×Φ25	970	500	M20×1.5	-
300	750	520	470	435	34	16×Φ25	1145	500	M20×1.5	-
350	850	580	525	485	36	16×Φ30	1280	500	M20×1.5	-
400	950	640	585	545	40	20×Φ30	1450	500	M20×1.5	-

应用规范 Application Standards

设计制造 Design and Manufacture Conform	API 602; BS5352; ANSI B16.34;
连接尺寸 Connection Ends Conform	1)承插口尺寸 Socket welded dimension conform: ANSI B16.11;JB/T 1751 2)螺纹端尺寸 Screw ends dimension conform: ANSI B1.20.1; JB/T7306 3)对焊端尺寸 Butt-welded conform: ANSI B16.25; JB/T12224 4)法兰端尺寸 Flange ends conform: ANSI B16.5; JB79
检查和试验 Test and Inspection Conform	API598; GB/T13927; JB/T9092
结构特性 Structure Features	螺纹连接阀盖(B.B)和明杆支架(OS &Y) 或焊接阀盖(W.B)和明杆支架(OS &Y) Bolted bonnet, outside screw and yoke Welded bonnet, outside screw and yoke
材料标准 Material Conform	ANSI/ASTM
主体材料 Main Material	A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy合金等。



碳钢温压等级 Carbon steel temperature-pressure rate

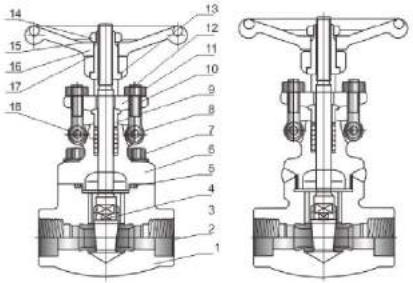
CL 1500-3705 P.S.I @ 100°F CL 2500-6170 P.S.I @ 100°F

典型零件材料表 Main Part Material List

序号No.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F91/410HF
1	阀体 Body	A105	A105	LF2	F11	F304(L)	F316(L)	F91
2	阀座 Seat	410	410HF	304	410HF	304(L)	316(L)	410HF
3	阀板 Wedge	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F6aHF
4	阀杆 Stem	410	410	304	410	304(L)	316(L)	410
5	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F91
6	销 Pin	410	410	410	410	304	304	410
7	填料压套 Gland	410	410	410	410	304	304	410
8	活节螺栓 Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8
9	填料压盖 Gland flange	A105	A105	Lf2	F11	F304	F304	F91
10	六角螺母 Hex nut	2H	2H	2H	410	8(M)	8(M)	8
11	阀杆螺母 Stem nut	410	410	410	410	410	410	410
12	锁紧螺母 Locking nut	35	35	35	35	35	35	35
13	铭牌 Nameplate	AL	AL	AL	AL	AL	AL	AL
14	手轮 Handwheel	A197	A197	A197	A197	A197	A197	A190
15	润滑垫片 Lubricating gasket	410	410	410	410	410	410	410
16	填料 Packing	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite
17	紧定螺钉 Step nut	35	35	35	35	35	35	35
18	密封圈垫片 P.S.seat	420	420	304	304	304(L)	316(L)	420
19	自密封座 P.S.seat	304	304	304	304	304	316	316
20	螺母垫块 Nut pad	420	420	304	304	304(L)	316(L)	F91
21	拉紧螺母 Nut	410	410	410	410	410	410	410
22	自密封圈 P.S.ring	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel	碳钢 Carbon steel

应用规范 Application Standards

设计制造 Design and Manufacture Conform	API 602, BS5352, ANSI B16.34;
连接尺寸 Connection Ends Conform	1)承插口尺寸 Socket welded dimension conform: ANSI B16.11;JB/T 1751 2)螺纹端尺寸 Screw ends dimension conform: ANSI B1.20.1; JB/T7306 3)对焊端尺寸 Butt-welded conform: ANSI B16.25; JB/T12224 4)法兰端尺寸 Flange ends conform: ANSI B16.5; JB79
检查和试验 Test and Inspection Conform	API598; GB/T13927; JB/T9092
结构特性 Structure Features	螺纹连接阀盖(B.B)和明杆支架(OS &Y) 或焊接阀盖(W.B)和明杆支架(OS &Y) Bolted bonnet, outside screw and yoke Welded bonnet, outside screw and yoke
材料标准 Material Conform	ANSI/ASTM
主体材料 Main Material	A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy合金等。



碳钢温压等级 Carbon steel temperature-pressure rate

CL 150-285 P.S.I @ 100° F CL 300-740 P.S.I @ 100° F CL600-1480 P.S.I @ 100°F CL 800-1975 P.S.I @ 100° F CL 1500-3705 P.S.I @ 100° F

典型零件材料表 Main Part Material List

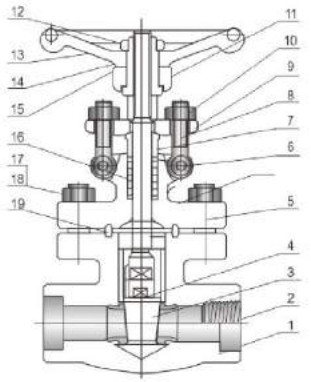
序号No.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	座圈 Seat	410	410HF	304	410HF	304(L)	316(L)	F51
3	闸板 Wedge	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆 Stem	410	410	304	410	304(L)	316(L)	F51
5	垫片 Gasket	304+柔性石墨 304+Flexible graphite	304+柔性石墨 304+Flexible graphite	304+柔性石墨 304+Flexible graphite	304+柔性石墨 304+Flexible graphite	304+柔性石墨 304+Flexible graphite	304+柔性石墨 304+Flexible graphite	304+柔性石墨 304+Flexible graphite
6	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
7	螺栓 Bolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
8	销 Pin	410	410	410	410	304	304	304
9	填料压套 Gland	410	410	304	410	304	316	F51
10	活节螺栓 Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
11	填料压板 Gland flange	A105	A105	LF2	F11	F304	F304	F304
12	六角螺母 Hex nut	2H	2H	2H	2H	8(M)	8(M)	8M
13	滑杆螺母 Stem nut	410	410	410	410	410	410	410
14	锁紧螺母 Locking nut	35	35	35	35	35	35	35
15	铭牌 Nameplate	AL	AL	AL	AL	AL	AL	AL
16	手轮 Handwheel	A197	A197	A197	A197	A197	A197	A197
17	润滑垫片 Lubricating gasket	410	410	410	410	410	410	410
18	填料 Packing	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite

INTERNAL THREAD AND SOCKET WELDING
GATE VALVE
内螺纹与承插焊闸阀

科源阀门 KEYUAN VALVE

应用规范 Application Standards

设计制造 Design and Manufacture Conform	API 602, BS5352, ANSI B16.34;
连接尺寸 Connection Ends Conform	1)承插口尺寸 Socket welded dimension conform: ANSI B16.11;JB/T 1751 2)螺纹端尺寸 Screw ends dimension conform: ANSI B1.20.1; JB/T7306 3)对焊端尺寸 Butt-welded conform: ANSI B16.25; JB/T12224 4)法兰端尺寸 Flange ends conform: ANSI B16.5; JB79
检查和试验 Test and Inspection Conform	API598; GB/T13927; JB/T9092
结构特性 Structure Features	螺纹连接阀盖(B.B)和明杆支架(OS &Y) 或焊接阀盖(W.B)和明杆支架(OS &Y) Bolted bonnet, outside screw and yoke Welded bonnet, outside screw and yoke
材料标准 Material Conform	ANSI/ASTM
主体材料 Main Material	A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy合金等。



碳钢温压等级 Carbon steel temperature-pressure rate

CL 150-285 P.S.I @ 100° F CL 300-740 P.S.I @ 100° F CL600-1480 P.S.I @ 100°F CL 800-1975 P.S.I @ 100° F CL 1500-3705 P.S.I @ 100° F

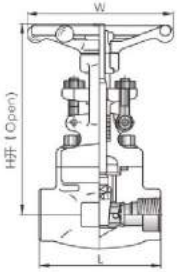
典型零件材料表 Main Part Material List

序号No.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	座圈 Seat	410	410HF	304	410HF	304(L)	316(L)	F51
3	阀板 Wedge	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀杆 Stem	410	410	304	410	304(L)	316(L)	F51
5	阀盖 Bonnet	A105	A105	Lf2	F11	F304(L)	F316(L)	F51
6	销 Pin	410	410	410	410	304	304	304
7	调料压套 Gland	410	410	304	410	304	316	F51
8	活节螺栓 Gland eyebolt	B7	B7	L7	B16	B8(M)	B8(M)	B8M
9	调料压板 Gland flange	A105	A105	LF2	F11	F304	F304	F304
10	六角螺母 Hex nut	2H	2H	2H	2H	8(M)	8(M)	8M
11	滑杆螺母 Stem nut	410	410	410	410	410	410	410
12	锁紧螺母 Locking nut	35	35	35	35	35	35	35
13	铭牌 Nameplate	AL	AL	AL	AL	AL	AL	AL
14	手轮 Handwheel	A197	A197	A197	A197	A197	A197	A197
15	润滑垫片 Lubricating gasket	410	410	410	410	410	410	410
16	填料 Packing	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite	石墨 Graphite
17	双头螺栓 Stud	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
18	螺母 Nut	2H	2H	8	8	8(M)	8(M)	8(M)
19	金属环 Metal ring	304	304	304	304	304(L)	316(L)	F51

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

CL800

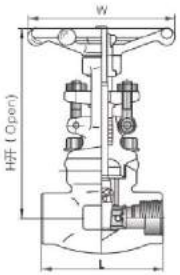
规格(NPS) Specification		-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	R.P									
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	120	140	178	180
手轮直径(mm) Hand wheel diameter	W	100	100	100	125	160	160	180	200	220
中心高度(开)(mm) Height	H	161	161	163	196	223	251	290	333	370
流道孔径(mm)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



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

CL800

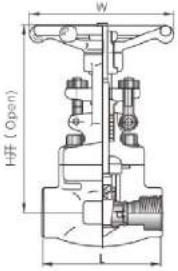
规格(NPS) Specification		-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	R.P									
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	79	79	92	111	120	120	140	178	180
手轮直径(mm) Hand wheel diameter	W	100	100	100	125	160	160	180	200	220
中心高度(开)(mm) Height	H	161	161	163	196	223	251	290	333	370
流道孔径(mm)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



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

CL900-CL1500

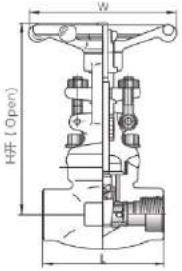
规格(NPS) Specification		-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	R.P									
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	92	111	111	120	120	140	178	180	-
手轮直径(mm) Hand wheel diameter	W	100	125	125	160	160	180	200	220	-
中心高度(开)(mm) Height	H	191	191	192	219	243	296	316	370	-
流道孔径(mm) Flow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



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

CL900-CL1500

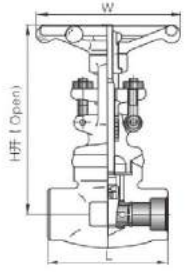
规格(NPS) Specification		-	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	R.P									
	F.P	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	92	111	111	120	120	140	178	180	-
手轮直径(mm) Hand wheel diameter	W	100	125	125	160	160	160	200	220	-
中心高度(开)(mm) Height	H	171	207	207	240	258	330	355	370	-
流道孔径(mm) Flow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



焊接连接阀盖，全径，明杆支架(OS &Y)末端连接为承插连接，设计按ASME B16.34
Welded bonnet, full port outside screw and yoke(OS & Y)Socket welded ends, design conform to ASME B 16.34

CL2500

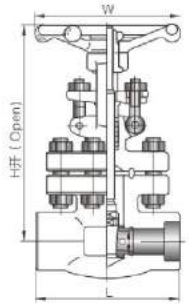
规格(NPS) Specification		1/4	3/8	1/2	3/4	1	1 1/4	2	
结构长度(mm) Face to face	L		111	120	120	120	140		
手轮直径(mm) Hand wheel diameter	W		125	160	160	180	220		
中心高度(开)(mm) Height	H		215	218	220	238	281		
流道孔径(mm) Flow port diamension	d		14	14	14	19	25		
重量Weight(kg)			7	8.5	8.7	11.7	17		



焊接连接阀盖，全径，明杆支架(OS &Y)末端连接为承插连接，设计按ASME B16.34
Welded bonnet, full port outside screw and yoke(OS & Y)Socket welded ends, design conform to ASME B 16.34

CL1500-CL2500

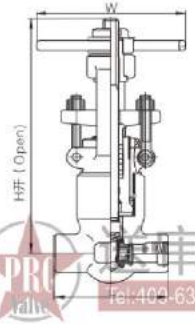
规格(NPS) Specification	F.P		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2
结构长度(mm) Face to face	L	CL1500	110	150	150		210	235	
		CL2500	150	150	210		235	235	
手轮直径(mm) Hand wheel diameter	W	CL1500	110	130	130		180	250	
		CL2500	130	130	250		300	300	
中心高度(开)(mm) Height	H	CL1500	277	300	390		400	435	
		CL2500	293	300	390		435	435	
流道孔径(mm) Flow port diamension	d	CL1500	14	17	22		35	37	
		CL2500	14	14	14		25	30	
重量Weight(kg)		CL1500	5.1	11	12.1		22	37	
		CL2500	11	11.3	22.4		38	38	



焊接连接阀盖，全径，明杆支架(OS &Y)末端连接为承插连接，设计按ASME B16.34
Welded bonnet, full port outside screw and yoke(OS & Y)Socket welded ends, design conform to ASME B 16.34

CL1500-CL2500

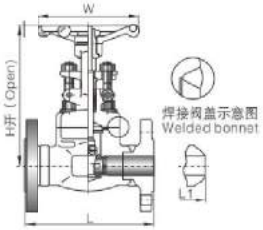
规格(NPS) Specification	R.P		3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L	CL900~1500	140	140	140	140	178	178	216
		CL2500	186	186	186	186	232	232	279
手轮直径(mm) Hand wheel diameter	W	CL900~1500	200	200	200	200	280	280	300
		CL2500	200	200	200	200	280	280	300
中心高度(开)(mm) Height	H	CL900~1500	318	318	318	318	467	468	540
		CL2500	325	325	325	325	467	468	540
流道孔径(mm) Flow port diamension	d	CL900~1500	14	14	14	14	25	30	36.5
		CL2500	14	14	14	14	25	30	36.5
重量Weight(kg)		CL900~1500	11.5	11.5	10.8	10.5	19.6	21.0	55.4
		CL2500	10.8	11.6	12.3	12.3	26.0	28.4	60.0



螺栓连接阀盖，缩径，明杆支架(OS &Y)末端连接为法兰或对焊连接，设计按API602;BS5352
Bolted bonnet, reducing port outside screw and yoke(OS & Y)Flange-or butt-welded ends; design to API602;BS5352

CL150-300-600

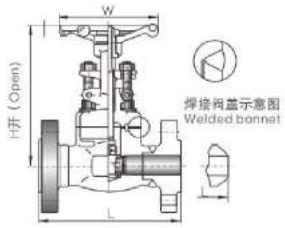
规格(NPS)Specification				1/4	3/8	1/2	3/4	1	11/4	11/2	2	21/2
结构长度(mm) Face to face	CL150		L(RF) L1(BW)	-	-	108	117	127	140	165	178	190
	CL300			-	-	140	152	165	178	190	216	241
	CL600			-	-	165	190	216	229	241	292	330
手轮直径(mm)Hand wheel diameter			W	-	-	100	100	125	160	160	180	200
中心高度(开)(mm) Height	CL150		H	-	-	176	184	217	226	250	290	357
	CL300,CL600			-	-	161	163	196	226	250	290	357
流道孔径(mm)Flow port diamension			d	-	-	10	13.5	18	24	29	36.5	45
重量Weight(kg)	CL150	RF		-	-	3.4	3.96	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	51	8.2	10.5	12.4	20.1	28



螺栓连接阀盖，全径，明杆支架(OS &Y)末端连接为焊接法兰或对焊连接，设计按BS5352
Bolted bonnet, full port outside screw and yoke(OS & Y)Flange-welded or butt-welded ends; design toBS5352

CL900-CL1500

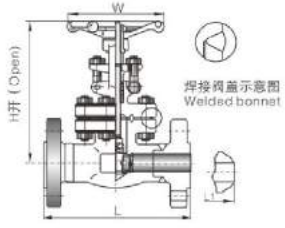
规格(NPS)Specification		1/4	3/8	1/2	3/4	1	11/4	11/2	2
结构长度(mm) Face to face	L(RF),L1(BW)	-	-	216	229	254	279	305	368
	L(RTJ)	-	-	216	229	254	279	305	371
手轮直径(mm) Hand wheel diameter	W	-	-	125	125	160	180	200	220
中心高度(开)(mm) Height	H	-	-	191	192	219	257	296	316
流道孔径(mm) Flow port diamension	d	-	-	13.5	18	24	29	36.5	45
重量Weight(kg)		-	-	7.2	11.5	15.6	16.2	22.6	26.2



螺栓连接阀盖(RJ)全径，明杆支架(OS &Y)末端连接为焊接法兰或对焊连接，设计按ASME B 16.34
Bolted bonnet, full port outside screw and yoke(OS & Y)Flange-welded or butt-welded ends; design to ASME B 16.34

CL2500

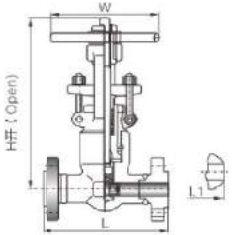
规格(NPS)Specification		1/4	3/8	1/2	3/4	1	11/4	11/2	2
结构长度(mm) Face to face	L(RF),L1(BW)	-	-	264	273	308	-	384	451
	L(RTJ)	-	-	264	273	308	-	387	454
手轮直径(mm) Hand wheel diameter	W	-	-	125	160	160	-	200	240
中心高度(开)(mm) Height	H	-	-	207	240	258	-	355	370
流道孔径(mm) Flow port diamension	d	-	-	13.5	13.5	19	-	30	36.5
重量Weight(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)末端连接为焊接法兰或对焊连接，设计按ASME B 16.34
Pressure seal gate valves, full port outside screw and yoke(OS & Y)Flange-welded or butt-welded ends; design to ASME B 16.34

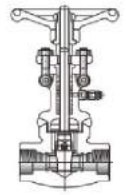
CL2500

规格(NPS)Specification		1/4	3/8	1/2	3/4	1	11/4	11/2	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) Hand wheel diameter	W	-	-	200	200	200	-	280	300
中心高度(开)(mm) Height	H	-	-	325	325	327	-	478	540
流道孔径(mm) Flow port diamension	d	-	-	13.5	13.5	19	-	30	36.5
重量Weight(kg)		-	-	14.6	16.8	17.6	-	25	31.9



卡箍闸阀/Hoopgate Valves

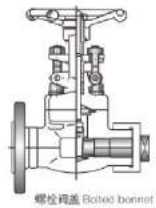
CLASS 800 API 602-BS 5352 缩和全径 Reduced port & full port	温压等级 Temperature pressure rate	材料 Material		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
	1975 psi @ 100° F	碳钢 Carbon steel	13Cr	B7



焊接阀盖Welded bonnet
明杆支架OS & Y
双填料Packing
隔环Distance ring
注脂嘴Grease valve
刚性楔板Solid wedge

真空闸阀/Vacuum Gate Valves

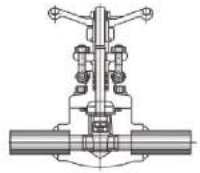
CLASS 800 API 602-BS 5352 缩和全径 Reduced port & full port	温压等级 Temperature pressure rate	材料 Material		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
	1975 psi @ 100° F	碳钢 Carbon steel	13Cr	B7



螺栓阀盖 Bolted bonnet
明杆支架 OS & Y
管帽连接 Cap fitting connection
刚性楔板 Solid wedge

管接阀门/Coupling Pipe Valves

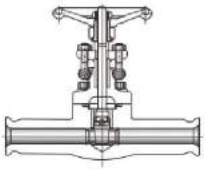
CLASS 800 API 602-BS 5352 缩和全径 Reduced port & full port	温压等级 Temperature pressure rate	材料 Material		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
	1975 psi @ 100° F	碳钢 Carbon steel	13Cr	B7



螺栓阀盖 Bolted bonnet
明杆支架 OS & Y
双头管接 Double end pipeconnection
刚性楔板 Solid wedge

放空导淋阀/For Venting and/or Releasing Media

CLASS 800 API 602-BS 5352 缩和全径 Reduced port & full port	温压等级 Temperature pressure rate	材料 Material		
		阀体/阀盖 Body/bonnet	内件 Trim	螺栓 Bolt
	1975 psi @ 100° F	碳钢 Carbon steel	13Cr	B7



螺栓阀盖 Bolted bonnet
明杆支架 OS & Y
卡箍连接 Hoop connection
刚性楔板 Solid wedge

执行标准

1. 制造与验收技术条件按日本火力发电用阀门标准E101和JB/T3595-2000的规定。
2. 结构长度按GB/T15188.1-94的规定或按用户提供尺寸。
3. 焊接坡口按GB12224-89的规定或按用户提供尺寸。

Implementation Standards

1. Manufacturing and acceptance conditions according to Japan's thermal power valve standard E101 andProvisions of JB/T3595-2000.
2. The length of the structure in accordance with the provisions of the GB/T15188.1-94 or the size of the user.
3. Welding groove according to the provisions of GB12224-89 or according to user size.

性能规范 Performance Specification

型号 Model	公称压力 Nominal pressure	试验压力 Test pressure		工作压力 Working pressure	工作温度 Working temperature /℃	适用介质 Applicable medium
		强度试验 Strength test	密封试验/上密封试验 Seal test / seal test			
Z96$\frac{1}{2}$Y-250	25	37.5	27.0	-	≤425	水、蒸汽 Water and 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	

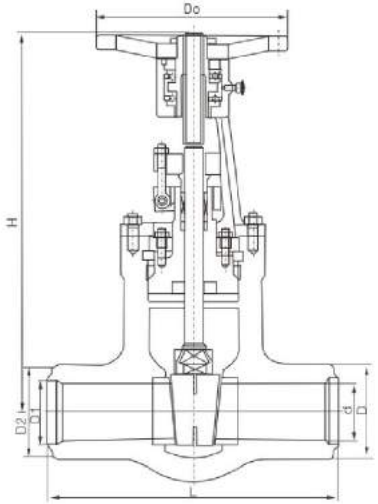
主要零件材料 Main Part Material

零件名称 Part name	材料牌号 Material grade		
阀体 Body	WCB	WC6或20CrMoV	WC9或15CrMo1V
阀板 Valve plate	WCB	WC6或20CrMoV	WC9或15CrMo1V
阀盖 Valve cover	25	12Cr1MoVA	
阀杆 Stem	38CrMoAlA	20Cr1MoVA	
阀座 valve seat	25	12Cr1MoVA	
密封环 Seal ring	增强柔性石墨（s软钢） Enhancedflexiblegraphite (s steel)	增强柔性石墨（s软钢） Enhancedflexiblegraphite (s steel)	F软钢 F mild steel
填料 filler	增强柔性石墨 Enhanced flexible graphite		
支架 Bracket	WCB	WCB或WC6	
阀杆螺母 Stem nut	45(ZCuZn25AL6Fe3Mn3)ZQAL-4		
四开环 Four open loop	1Cr13	20Cr1Mo1VA	

说明 Explain

1. 本焊接闸阀中部连接方式有法兰连接与自密封式两种。
2. 阀体长度及焊接口尺寸倒角坡度可根据用户要求生产。

1. The middle connection of the welding gate valve flange connection and self sealing two.
2. The length of the valve body and the welding interface size chamfering slope can be produced in accordance with user requirements.

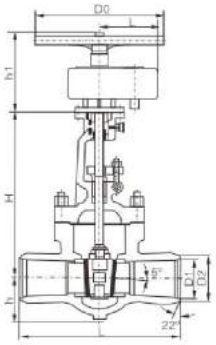


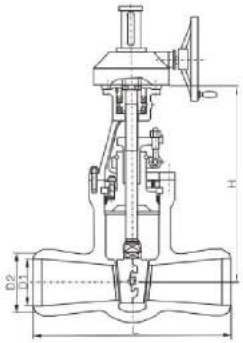
性能规范 Performance Specification

工作温度 Working temperature	V型≤570°C 其余型≤450°C Type V is less than or equal to 570°C; the other type is smaller than 450 °C
阀体材料 Body material	V型铬钼钒钢ZG20Cr15CrMoV其余型WCB V type ZG20Cr15CrMoV type WCB the Ming molybdenum vanadium steel
适用介质 Applicable medium	水、蒸汽 Water and steam

主要尺寸 Main Dimension

公称压力 MPa	公称通径 DN	主要尺寸 Main dimension						重量 Weight
		L	H	D	D1	D2	D0	
20.0	50	216	216	82	78	586	300	-
	65	254	254	105	93	650	320	-
	80	305	305	120	110	680	400	-
	100	356	356	148	145	755	450	-
	125	432	432	172	172	830	500	-
	150	508	508	198	183	1050	550	-
	175	650	650	223	193	1050	600	-
	225	850	850	278	278	1050	750	-
	250	674	674	300	325	1100	-	-
	300	991	991	380	380	1200	-	-





性能规范 Performance Specification

工作温度 Working temperature	碳钢425°C, 合金钢570°C Carbon steel425°C, alloy steel570°C
阀体材料 Body material	V型：ZG20CrMoV 其余型：ZG25 WCB Type V: ZG20CrMoV rest: ZG25 WCB
适用介质 Applicable medium	水、蒸汽 Water and steam

主要尺寸 Main Dimension

公称压力 MPa	公称通径 DN	主要尺寸 Main dimension						重量 Weight
		L	H	D	D1	D2	D0	
25.0	50	216	82	48	78	586	300	-
	65	254	105	62	93	650	320	-
	80	305	120	78	110	680	400	-
	100	406	152	100	148	755	450	-
	125	483	172	125	172	830	500	-
	150	559	198	150	200	1050	550	-
	175	700	223	175	223	1050	600	-
	225	850	278	225	262	1050	750	-
	250	900	300	250	282	1100	750	-
32.0	100	457	160	95	148	1236	450	-
	125	533	172	120	168	1402	600	-
	150	610	198	140	200	1403	600	-
	175	750	223	155	223	1650	700	-
	225	850	278	210	282	1650	-	-
	250	900	300	240	325	1650	-	-

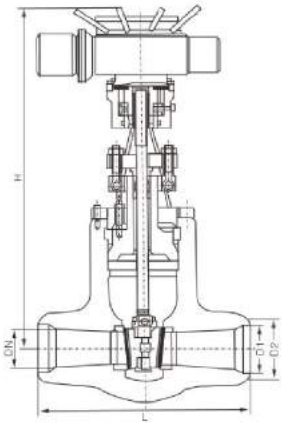
执行标准 Implementation Standards

注：

1. 制造与验收技术条件按E101和HB/T3595-2002的规定。
2. 阀门试验按JB/T3595-2002和GB/T13927-92的规定，阀门密封试验和上密封试验压力按JB/T3595-2002的规定。
3. 结构长度按 GB/T15188.1-94的规定或用户提供尺寸。
4. 焊接坡口按 GB12224-89的规定或按用户提供尺寸。

Note:

1. M1. anufacturing and acceptance technical requirements in accordance with the provisions of E101 and HB/T3595-2002.
2. Valve test according to the provisions of JB/T3595-2002 and GB/T13927-92, valve seal testAnd upper seal test pressure according to JB/T3595-2002.
3. The length of the structure in accordance with the provisions of GB/T15188.1-94 or user size.
4. Welding groove according to the provisions of GB12224-89 or according to user size.



主要尺寸 Main Dimension

公称压力 MPa	公称通径 DN	主要尺寸 Main dimension						重量 Weight
		L	H	D	D1	D2	D0	
Ps4100V	100	356	148	108	145	755	450	-
	125	432	172	129	172	830	600	-
	150	508	198	166	200	1050	600	-
	175	650	223	177	223	1050	700	-
	225	850	278	210	262	1050	-	-
	250	764	300	275	282	1100	-	-
Ps4170V	100	406	152	100	145	755	450	-
	125	483	172	125	172	830	600	-
	150	559	198	150	200	1050	600	-
	175	700	223	175	223	1050	700	-
	225	850	278	225	262	1050	-	-
	250	900	300	250	282	1100	-	-
Ps4140V	100	457	160	95	133	755	450	-
	125	533	172	120	168	830	600	-
	150	610	198	140	200	1050	600	-
	145	750	223	155	223	1050	700	-
	225	850	278	210	282	1050	-	-
	250	900	300	240	325	1100	-	-

手轮式弹性座封闸阀SKG2X
Hand wheel elastic base seal gate valves

伞齿轮弹性座封闸阀SKG3X
The elastic base seal gate valves bevel gear

电动式弹性座封闸阀SKG4X
The elastic base closure electric gate valves

产品概述 Products Overview

大口径闸阀采用最优质的球墨铸铁或碳钢铸造而成，具有强度高、重量轻，几何尺寸精确的特点，闸板具有互换的功能，加装螺旋伞齿轮省力机构，一人可非常轻松自如地开关，也可根据用户的要求加装开闭指示柱，或电动、气动执行机构。密封防锈功能极佳，安全可靠，使用寿命长。可立式或卧式安装，广泛用于给排水系统、污水处理系统、市政建设及矿山、冶金、电厂等行业。

Large diameter gate valves use the most high quality nodular cast iron or carbon steel casting and become, have high strength,light weight, the characteristics of the precise geometric size,disc has in terchangeable Function, the spiral bevel gears energy agency, a person can very easily switch, can also according to the requirements of customers, open and close the instructions column, or electric,pneumatic holdLine organization.Seal antirust function is admirable, safe, reliable, and long service life. But vertical or horizontalinstallation, widely used in watersupply and drainage system, sewage treatment system, municipalConstruction and mining,metallurgical, power plant and other industries

主要零部件材料 Main Parts Material

序号No.	零件名称 Material Nmae	材料 Material Science
1	阀体 Body	灰铸铁、球墨铸铁、铸钢 Gray cast iron, nodular cast iron, cast steel
2	闸板 Flashboard	球墨铸铁外覆三元乙丙或丁腈橡胶 Ductile iron coated with epdm or buna n
3	内六角螺Hexagonal socket nut	栓碳化处理 Bolt carbonization processing
4	密封圈 Sealring	三元乙丙或丁腈橡胶 Epdm or buna n
5	阀盖 Bonnet	灰铸铁、球墨铸铁、铸钢 Gray cast iron, nodular cast iron, cast steel
6	阀杆 Stem	不锈钢 Stainless steel
7	"O"形密封圈 O-ring	丁腈橡胶 Butyl rubber
8	止推垫 Pressure disk	锡青铜 bronze
9	螺栓 Bolt	碳钢、合金钢 Carbon steel, alloy steel
10	压盖 Gland	球墨铸铁、铸钢 Spheroidal Graphite Steel Cast steel
11	防尘罩 Dust Guard	丁腈橡胶 Butyl rubber
12	手轮 Hand	可锻铸铁 Malleable just

技术参数 Technology Parameters

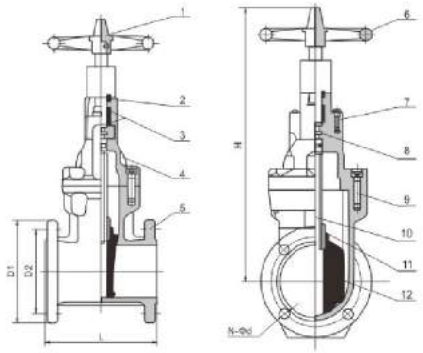
公称压力Nominal pressure:1.0~2.5MPa	工作温度Working temperature:0~80°C	法兰标准 Flange standard:GB/T 17241.6 GB9113
公称通径Nominal diameter:50~1200mm	适用介质：水、油、气等 Applicable medium:Water,Oil,Gas	试验标准Test standard:GB 13927 API 598

主要连接外型尺寸 Main Connection Envelop Dimensions

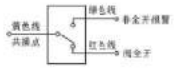
DN	500	600	700	800	900	1000	1200
L	457	508	660	720	780	840	960
H(手轮)	1480	1665	2200	2800	2800	3000	3000
H(伞齿轮)	1650	1900	2350	2950	2950	3150	3150
H(电动)	电动装置可由用户指定Electric device can be specified by customer						

RRHN非升杆信号弹性座封闸阀

附开度指示弹性座封闸阀



GVSX型
电气开关接线图



概述 Summarize

信号闸阀，信号蝶阀常用于应用于自动喷水消防管路系统，来监控供水管路，可以远地指示阀门开度。升杆式闸阀及附开度指示闸阀也经常应用于消防系统，如果闸阀安装位置离地面较高时，一般使用升杆式闸阀，可以明显指示阀门开度，若安装位置较低，则需用附开度指示闸阀。

Signal gate valves, butterfly valves are often used to signal applied to automatic water spray fire pipeline system, To monitor water supply lines, can remote indicating valve opening. Rising stem valves type and the accompanying opening indicator gatevalves are often used in fire-fighting system. If Gate valvesinstallation position from the ground high, general use of rising stem valves,can obviously refers to And the valve opening, if installed lower position. Attached is need opening indicator gate valves

材质说明 Material Description

序号No.	零件名称 Material Nmae	材料 Material Science
1	传动箱 Transmission	GG25
2	防尘罩 Dust Guard	NBR
3	O型圈 O-RING	NBR
4	阀盖 Bonnet	GG25
5	阀体 Body	GG25
6	手轮 Hand	GG25
7	轴盖 S haft-cup	GG25
8	止推轴承 Bearing a push	BRONZE
9	螺栓 Bolt	SUS410
10	阀杆 Stem	SUS410
11	铜螺母copper nut	Bronze
12	阀瓣 valve clack	GG25外覆EPDM或NBR

技术参数 Technical Parameters

公称通径 Inside Nominal Diameter	1.0/1.6/2.5MPa
公称压力 Nominal Pressure	-10-80
工作温度 Working Temperature	2.0倍公称压力
密封压力 Sealing Pressure	4.0倍公称压力
阀体耐压 Body Compression	水、油、气
适用介质 Applicable Medium	DN50-60mm

主要外型尺寸 Main Dimension

产品型号 Part Number	公称通径 Inside nominal diameter	D1		D2		N-ΦD		L	H
		1.0MPa	1.6MPa	1.0MPa	1.6MPa	1.0MPa	1.6MPa		
GVS(F)-0050	50	135		125		4-19		178	340
GVS(F)-0065	65	185		145		4-19		190	370
GVS(F)-0080	80	200		160		8-19		203	410
GVS(F)-00100	100	220		180		8-19		229	450
GVS(F)-00125	125	250		210		8-19		254	180
GVS(F)-00150	150	285		240		8-23		267	550
GVS(F)-00200	200	340		295		8-23	12-23	292	630
GVS(F)-00250	250	405		350	355	12-23	12-28	330	750
GVS(F)-00300	300	460		400	410	12-23	12-28	356	820
GVS(F)-00350	350	520		460	470	16-23	16-28	381	980
GVS(F)-00400	400	580		515	525	16-28	16-31	406	1010

YUAN VALVE

GLOBE VALVE

截止阀系列

保障每一台阀门都以高品质、
高标准服务于我们的客户，
为您带来更大的汇报价值。

To ensure that each valve with high quality,
High standards of service to our customers,
Bring you greater reporting value.

用途

截止阀适用于公称压力PN1.6~16.0MPa(Class150~2500),工作温度≤600°C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。

结构特点

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. 公称压力≥25.0MPa(Class 1500)中腔采用自紧密封式结构，密封性能随压力升高而增强，保证了密封性能。
5. 阀门设有倒密封结构，密封可靠。
6. 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。

Purpose

Globe valves are suitable for nominal pressure PN1.6~16.0MPa (Class150~2500), operating temperatureUnder various conditions of 600 DEG C pipeline of petroleum and chemical industry, pharmacy, chemical fertilizer, power industry anc so on,Cut off or turn on the pipeline medium.

Structure Characteristics

1. Reasonable product structure, reliable sealing, excellent performance, beautiful appearance.
2. Sealing surface surfacing Co base hard alloy, wear resistance, corrosion resistance, good abrasion resistance, service life Long.
3. Stem hardened and surface nitriding treatment, good corrosion resistance and scratch resistance.
4. Nominal pressure is greater than or equal to 25.0MPa (Class1500), in the cavity with self tightening sealing structure, sealing with increased pressure to ensure the sealing performance.
5. Valve with reverse seal structure, reliable sealing.
6. The part material and flange, butt size according to the actual condition soruser requirement sreasonable matching can full Meet the needs of a variety of engineering.

产品适用范围 Product Scope of Application

基本型号 Basic model	(Hs, Ps)J11H, (Hs, Ps)J11Y, (Ps)J41H, (Ps)J41Y, (Ps)J541H, (Ps) J541Y, (Ps) J941H, (Ps)J941Y, (Ps)J61H, (Ps)J61Y, (Ps)J561H, (Ps)J561Y, (Ps)J961H, (Ps)J961Y		
压力等级范围 Pressure range	PN1.6~42.0MPa(Class150~2500)		
通径范围 Path range	DN15~400mm(1/2"~16")		
驱动方式 Driving mode	手轮驱动 Hand wheel drive		齿轮动、电动 Gear motor, electric
适用范围 Scope of application	Class150~300 (PN1.6~4.0)	Class400~900 (PN6.4~16.0)	1/2"~16" (DN15~400mm)
	1/2"~12" (DN15~300mm)	1/2"~16" (DN15~40mm)	

产品性能规范 Product Performance Specification

压力等级 Pressure class		常温试验压力 Test pressure at room temperature(MPa) 壳体试验 Shell test	密封试验 Seal test	上密封试验 Upper seal test	适用温度 Applicable temperature	适用介质 Applicable medium
公称压力 (MPa)	1.6	2.4	1.76	1.76	-29~495°C -196~600°C	水、蒸气、油品等 Water, steam, oil, etc.
	2.5	3.8	2.75	2.75		
	4.0	6.0	4.4	4.4		
	6.4	9.6	7.04	7.04		
	10.0	15.0	11.0	11.0		
	16.0	24.0	17.6	17.6		
	25.0	37.5	27.5	27.5		
磅级 (Lb)	150	3.0	2.2	2.2		
	300	7.5	5.5	5.5		
	600	15.0	11.0	11.0		
	900	22.5	16.5	16.5		
	1500	37.5	27.5	27.5		
	2500	63.0	46.2	46.2		

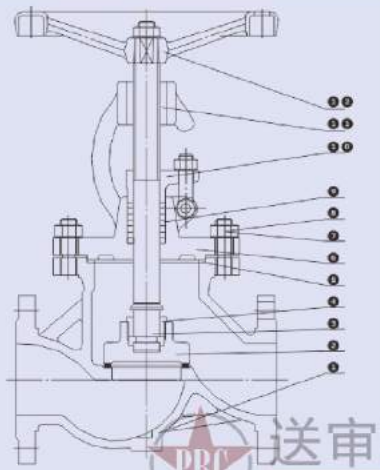
产品采用标准 Products Using Standard

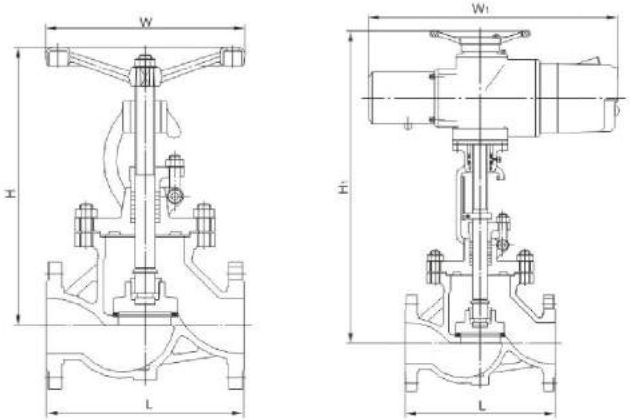
结构形式 Structural style	栓接阀盖明杠支架结构 Plug valve bar support structure of Ming gai	结构长度 Structure length	GB/T 12221
驱动方式 Driving mode	手动、电动 Manual, electric	连接法兰 Connecting flange	GB/T 9113,JB/T 79,HG20592
设计标准 Design standard	GB/T 12235	试验和检验 Test and inspection	JB/T 9092

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

主要零部件材质 Main Parts Material

序号 No.	零件名称 Part name	材质 Texture of material
1	阀体 Body	WCB, WC1, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
2	阀瓣 Valve	25, 1Cr13, 2Cr13, 1Cr18Ni9Ti, 0Cr18NiMo2Ti, 20Cr1Mo1V, 25Cr2MoV
3	阀杆 Stem	1Cr13, 2Cr13, 1Cr18Ni9 0Cr18Ni12Mo2Ti, 20Cr1Mo1V, 25Cr2MoV
4	阀瓣盖 Valve flap cover	25, 1Cr13, 2Cr13, 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti, 20Cr1Mo1V, 25Cr2MoV
5	垫片 Shim	柔性石墨+不锈钢 Flexible graphite + stainless steel
6	阀盖 Valve cover	WCB, WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
7	双头螺柱 Double headed stud	35CrMoA, 0Cr18Ni9, 0Cr17Ni12Mo2, 25Cr2Mov
8	六角螺母 Hexagon nut	45, 35CrMoA, 0Cr18Ni9, 0Cr17Ni12Mo2, 25Cr2MoV
9	填料 Filler	柔性石墨 Flexible graphite
10	填料压盖 Packing gland	WCB, CF8, CF8M, CF8C, CF3, CF3M
11	阀杆螺母 Stem nut	铜合金 Copper alloy
12	手轮 Handwheel	ASTM A47-32510





主要连接尺寸及重量 Main Connection Dimensions and Weight

传动方式 Transmission mode		手动 Manual			电动 Electric			
DN(mm)	L	H	W	重量Weight(kg)	H1	W1	电动装置 Motor unit	重量Weight(kg)
PN1.6								
15	130	218	120	-	-	-	-	-
20	150	260	140	-	-	-	-	-
25	160	275	160	-	-	-	-	-
32	180	282	180	-	-	-	-	-
40	200	332	200	-	-	-	-	-
50	230	350	240	-	642	960	DZW10A	-
65	290	405	280	-	695	960	DZW10A	-
80	310	360	280	-	712	960	DZW10A	-
100	350	412	320	-	772	960	DZW15A	-
125	400	462	360	-	785	960	DZW20A	-
150	480	510	400	-	812	960	DZW30A	-
200	600	715	400	-	965	1325	DZW45A	-
250	650	789	450	-	1138	1325	DZW60A	-
300	750	925	500	-	1285	1370	DZW90	-
PN2.5								
15	130	218	120	-	-	-	-	-
20	150	260	140	-	-	-	-	-
25	160	275	160	-	-	-	-	-
32	180	282	180	-	-	-	-	-
40	200	332	200	-	-	-	-	-
50	230	350	240	-	642	960	DZW10A	-
65	290	405	280	-	695	960	DZW10A	-
80	310	360	280	-	712	960	DZW15A	-
100	350	412	320	-	772	960	DZW20A	-
125	400	462	360	-	785	960	DZW30A	-
150	480	510	400	-	812	1325	DZW45A	-
200	600	715	400	-	965	1325	DZW60A	-
250	650	789	450	-	1138	1370	DZW90	-
300	750	925	500	-	1285	1370	DZW120	-

主要连接尺寸及重量 Main Connection Dimensions and Weight

传动方式 Transmission mode		手动 Manual			电动 Electric			
DN(mm)	L	H	W	重量Weight(kg)	H1	W1	电动装置 Motor unit	重量Weight(kg)
PN4.0								
15	130	235	120	-	-	-	-	-
20	150	278	140	-	-	-	-	-
25	160	288	160	-	-	-	-	-
32	180	305	180	-	-	-	-	-
40	200	358	200	-	-	-	-	-
50	230	378	240	-	642	960	DZW10A	-
65	290	408	280	-	695	960	DZW10A	-
80	310	435	320	-	712	960	DZW20A	-
100	350	482	360	-	772	960	DZW30A	-
125	400	555	400	-	785	1325	DZW45A	-
150	480	613	400	-	812	1325	DZW60A	-
200	600	725	400	-	965	1370	DZW90	-
PN6.4								
15	170	218	140	-	-	-	-	-
20	190	260	160	-	-	-	-	-
25	210	275	180	-	-	-	-	-
32	230	325	200	-	-	-	-	-
40	260	360	240	-	-	-	-	-
50	300	410	280	-	710	960	DZW10A	-
65	340	450	320	-	752	960	DZW15A	-
80	380	485	360	-	785	960	DZW30A	-
100	430	535	400	-	835	1325	DZW45A	-
125	500	630	400	-	1030	1325	DZW60A	-
150	556	650	450	-	1065	1370	DZW90	-
200	650	810	500	-	1215	1370	DZW120	-
PN10.0								
15	170	220	120	-	-	-	-	-
20	190	260	140	-	-	-	-	-
25	210	275	160	-	-	-	-	-
32	230	325	180	-	-	-	-	-
40	260	360	200	-	-	-	-	-
50	300	415	240	-	715	960	DZW20A	-
65	340	455	280	-	760	960	DZW30A	-
80	380	485	280	-	788	1325	DZW45A	-
100	430	538	320	-	840	1325	DZW60A	-
125	500	635	360	-	1032	1370	DZW90	-
150	550	650	400	-	1072	1370	DZW120	-
200	650	812	400	-	1220	1395	DZW180	-
PN16.0								
15	170	220	140	-	-	-	-	-
20	190	262	160	-	-	-	-	-
25	210	275	180	-	-	-	-	-
32	230	326	200	-	-	-	-	-
40	260	362	240	-	-	-	-	-
50	300	417	250	-	745	960	DZW30A	-
65	340	455	320	-	825	1325	DZW45A	-
80	380	485	400	-	940	1370	DZW90	-
100	430	540	450	-	1152	1370	DZW120	-
125	500	-	-	-	1185	1435	DZW180	-
150	550	-	-	-	1230	1435	DZW250	-
200	650	-	-	-	1500	1785	DZW350	-

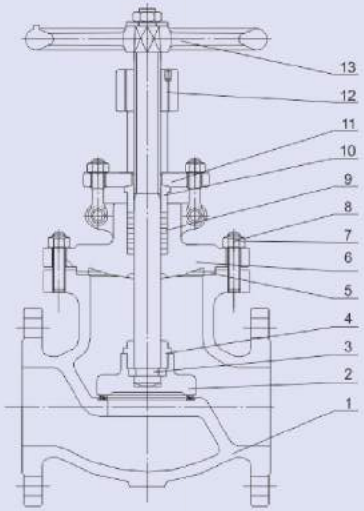
API GLOBE VALVE
API截止阀

产品采用标准 Products Using Standard	
结构形式 Structural style	栓接阀盖明杆支架结构 Bolting structure of valve rod support Ming gai
驱动方式 Driving mode	手动 Manual
设计标准 Design standard	ASME B16.34, BS 1873
结构长度 Structure length	ASME B 16.10
连接法兰 Connecting flange	ASME B 16.15
试验和检验 Test and inspection	API 598

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

主要零部件材质 Main Parts Material

序号 No.	零件名称 Part name	材质 Texture of material
1	阀体 Body	ASTM A216-WCB, ASTM A217-WC1,WC9, C5 ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
2	阀瓣 Valve	ASTM A182 Gr.F6a, ASTM A182 F22 ASTM A182-F304, F316, F321, F304L, F316L
3	阀杆 Stem	ASTM A182 Gr.F6a, ASTM A182 F22 ASTM A182-F304, F316, F321, F304L, F316L
4	阀瓣盖 Valve flap cover	ASTM A182 Gr.F6a, ASTM A182 F22 ASTM A182-F304, F316, F321, F304L, F316L
5	垫片 Shim	柔性石墨+不锈钢 Flexible graphite + stainless steel
6	阀盖 Valve cover	ASTM A216-WCB, ASTM A217-WC1, WC9, C5 ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
7	双头螺柱 Double headed stud	ASTM A193-B7, A320-B8, A193-B8m
8	六角螺母 Hexagon nut	ASTM A194-2H, A194-8, A194-8M
9	填料 Filler	柔性石墨 Flexible graphite
10	填料压盖 Packing gland	ASTM A216-WCB, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
11	阀杆螺母 Stem nut	铜合金 Copper alloy
12	手轮 Handwheel	ASTM A47-32510



API GLOBE VALVE
API截止阀

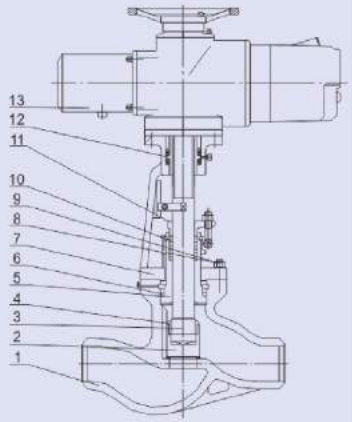
科源阀门 KEYUAN VALVE

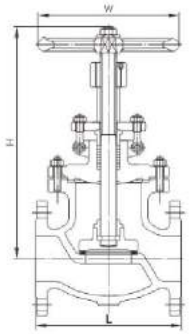
产品采用标准 Products Using Standard	
结构形式 Structural style	栓接阀盖明杆支架结构 Bolting structure of valve rod support Ming gai
驱动方式 Driving mode	手动、齿轮动、电动 Manual, gear, electric
设计标准 Design standard	ASME B16.10
结构长度 Structure length	ASME B 16.5
连接法兰 Connecting flange	ASME B 16.25
试验和检验 Test and inspection	API 598

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

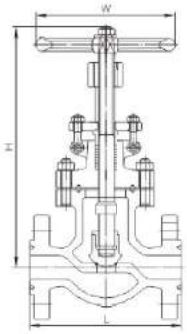
主要零部件材质 Main Parts Material

序号 No.	零件名称 Part name	材质 Texture of material
1	阀体 Body	ASTM A216-WCB, ASTM A217-WC1,WC9, C5 ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
2	阀瓣 Valve	ASTM A182 Gr.F6a, ASTM A182 F22 ASTM A182-F304, F316, F321, F304L, F316L
3	阀杆 Stem	ASTM A182 Gr.F6a, ASTM A182 F22 ASTM A182-F304, F316, F321, F304L, F316L
4	阀瓣盖 Valve flap cover	ASTM A182 Gr.F6a, ASTM A182 F22 ASTM A182-F304, F316, F321, F304L, F316L
5	阀盖 Valve cover	ASTM A182 Gr.F6a, ASTM A182 F22 ASTM A182-F304, F316, F321, F304L, F316L
6	垫片 Shim	柔性石墨+不锈钢
7	支架B racket	ASTM A216-WCB, ASTM A217-WC1,WC9, C5 ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
8	双头螺柱 Double headed stud	ASTM A193-B7, A320-B8, A193-B8m
9	六角螺母 Hexagon nut	ASTM A194-2H, A194-8, A194-8M
10	填料 Filler	柔性石墨
11	填料压盖 Packing gland	ASTM A216-WCB, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
12	阀杆螺母 Stem nut	铜合金
13	传动装置 Transmission	





Class150~300Lb



Class600~900Lb

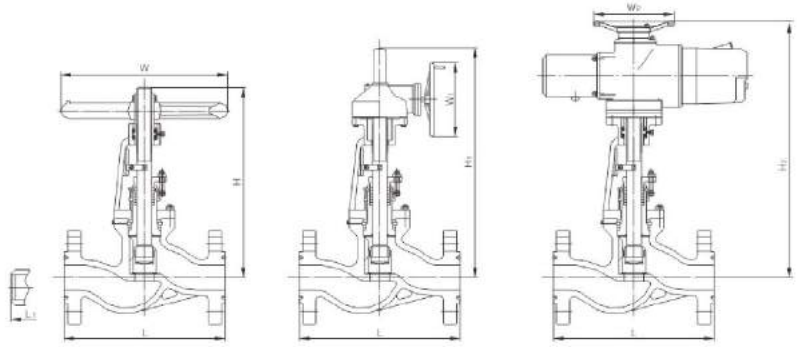
主要连接尺寸及重量 Main Connection Dimensions and Weight

DN	NPS	尺寸 Size			重量 Weight
(mm)	(in)	L	H	W	(kg)
150Lb					
15	1/2	108	241	125	-
20	3/4	117	241	125	-
25	1	127	242	125	-
32	1 1/4	140	280	160	-
40	1 1/2	165	286	160	-
50	2	203	368	200	-
65	2 1/2	216	387	200	-
80	3	241	400	250	-
100	4	292	457	250	-
150	6	406	609	355	-
200	8	495	698	450	-
250	10	622	762	450	-
300	12	698	876	500	-
350	14	787	990	600	-
400	16	914	1104	600	-

DN	NPS	尺寸 Size			重量 Weight
(mm)	(in)	L	H	W	(kg)
300Lb					
15	1/2	152	241	125	-
20	3/4	178	241	125	-
25	1	203	283	160	-
32	1 1/4	216	320	200	-
40	1 1/2	229	322	200	-
50	2	267	399	200	-
65	2 1/2	292	438	250	-
80	3	318	450	280	-
100	4	356	584	355	-
150	6	444	660	450	-
200	8	559	762	450	-
250	10	622	850	500	-
300	12	711	1085	500	-
350	14	762	1187	600	-
400	16	864	1450	600	-

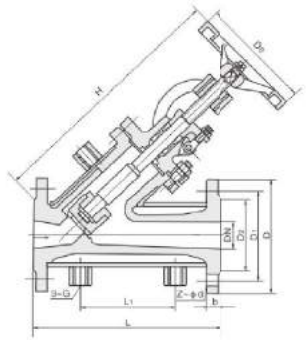
DN	NPS	尺寸 Size			重量 Weight
(mm)	(in)	L	H	W	(kg)
600Lb					
50	2	295	430	180	-
65	2 1/2	334	480	250	-
80	3	359	508	250	-
100	4	435	635	350	-
150	6	562	914	450	-
200	8	664	1016	500	-
250	10	791	1219	600	-

DN	NPS	尺寸 Size			重量 Weight
(mm)	(in)	L	H	W	(kg)
900Lb					
50	2	372	569	320	-
65	2 1/2	442	569	320	-
80	3	384	635	350	-
100	4	461	774	450	-
150	6	613	1040	600	-
200	8	740	1330	720	-
250	10	842	1560	760	-



主要连接尺寸及重量 Main Connection Dimensions and Weight

传动方式 Transmission mode				手动 Manual			齿轮动 Gear moving				电动 Electric			
DN(mm)	NPS(in)	法兰 Flange L	对焊 Butt welding L1	H	W	重量 Weight	H1	W1	电动装置 Motor unit	重量 Weight	H2	W2	转矩 Torque (NM)	重量 Weight
900Lb														
50	2	371	368	470	350	-	-	-	-	-	-	-	-	-
65	2 1/2	422	419	560	400	-	-	-	-	-	-	-	-	-
80	3	384	381	685	400	-	-	-	-	-	-	-	-	-
100	4	460	457	830	500	-	880	460	BA-1	-	880	809	900	-
150	6	613	610	-	-	-	1135	460	BA-1	-	1135	809	1200	-
200	8	740	737	-	-	-	1495	610	BA-2	-	1495	863	1800	-
250	10	841	838	-	-	-	1960	610	BA-2	-	1960	863	2000	-
1500Lb														
50	2	371	368	535	400	-	-	-	-	-	-	-	-	-
65	2 1/2	422	419	670	500	-	-	-	-	-	-	-	-	-
80	3	473	470	838	500	-	-	-	-	-	-	-	-	-
100	4	549	546	1193	560	-	990	460	BA-1	370	880	809	1200	-
150	6	711	704	-	-	-	1280	610	BA-2	720	1135	863	1800	-
200	8	841	831	-	-	-	1615	610	BA-2	1370	1495	863	2500	-
250	10	1000	990	-	-	-	2170	610	BA-2	1675	1960	863	2500	-
2500Lb														
50	2	454	451	650	500	-	-	-	-	-	-	-	-	-
65	2 1/2	514	508	840	560	-	-	-	-	-	-	-	-	-
80	3	584	578	990	600	-	-	-	-	-	-	-	-	-
100	4	683	673	1210	680	-	1090	610	BA-2	615	1090	863	1800	-
150	6	927	814	-	-	-	1470	610	BA-2	990	1470	863	2500	-
200	8	1038	1022	-	-	-	1735	610	BA-2	1620	1735	960	3000	-



用途

保温截止阀，是主要用于石油、化工、冶金、制药等各类系统中，以输送常温下会凝固的高粘度介质，是BJ45W直流夹套保温截止阀的保温夹套焊装于阀门的两法兰之间，阀门的侧面、底部设置有保温夹套的两个连接口。直流保温截止阀特别适用于化工、化肥行业的管路上，夹套内通入蒸汽能防止介质结晶。保温截止阀被广泛应用于石油、化工、冶金、制药等各类系统中。

Purpose

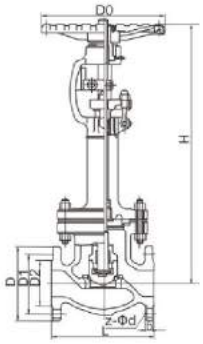
The utility model relates to a thermal insulation stop valve, which is mainly used in petroleum, chemical industry, metallurgy, pharmacy, etc.High viscosity media will be solidified at room temperature, is the BJ45W DC jacket insulation valveBetween the temperature jacket valve two in welding flange, side and bottom valve is provided with an insulating jacketTwo connecting ports. DC insulation valve is particularly suitable for chemical industry, fertilizer industry pipeline,Jacket into the steam can prevent the crystallization of media. Insulation stop valve is widely used in petroleum, chemical Engineering, metallurgy, pharmaceutical and other systems.

主要连接尺寸及重量 Main Connection Dimensions and Weight

DN	L	D	D1	D2	D6	b	Z-Φd	G	H	D0	WT (kg)
BJ45H-16 BJ45Y-16P BJ45Y-16R BJ45Y-16R3											
15	130	95	65	45		16	4-Φ14	1/2"	170	120	-
20	150	105	75	55		16	4-Φ14	1/2"	190	140	-
25	160	115	85	65		16	4-Φ14	1/2"	205	160	-
32	180	135	100	78		18	4-Φ18	1/2"	270	180	-
40	200	145	110	85		18	4-Φ18	1/2"	310	200	-
50	230	160	125	100		18	4-Φ18	3/4"	358	240	-
65	290	180	145	120		18	4-Φ18	3/4"	373	280	-
80	310	195	160	135		20	8-Φ18	3/4"	435	320	-
100	350	215	180	155		20	8-Φ18	1	500	360	-
125	400	245	210	185		22	8-Φ18	1	614	400	-
150	480	280	240	210		24	8-Φ23	1	674	400	-
200	600	335	295	265		26	12-Φ23	1	818	450	-

主要连接尺寸及重量 Main Connection Dimensions and Weight

DN	L	D	D1	D2	D6	b	Z-Φd	G	H	D0	WT (kg)
BJ45H-25 BJ45Y-25P BJ45Y-25R BJ45Y-25R3											
15	200	105	75	55	-	16	4-Φ14	1/2"	210	120	-
20	220	115	85	65	-	16	4-Φ14	1/2"	240	140	-
25	220	135	100	78	-	18	4-Φ18	1/2"	250	160	-
32	250	145	110	85	-	18	4-Φ18	1/2"	270	160	-
40	270	160	125	100	-	20	4-Φ18	1/2"	310	160	-
50	300	180	145	120	-	22	8-Φ18	3/4"	330	240	-
65	350	195	160	135	-	22	8-Φ18	3/4"	360	240	-
80	380	230	190	160	-	24	8-Φ23	3/4"	400	280	-
100	430	270	220	188	-	28	8-Φ25	1	480	320	-
125	490	300	250	218	-	30	8-Φ25	1	550	360	-
150	570	330	280	248	-	32	12-Φ25	1	620	300	-
200	690	395	340	302	-	36	12-Φ30	1	750	400	-
BJ45H-40 BJ45Y-40P BJ45Y-40R BJ45Y-40R3											
15	20	105	75	55	51	16	4-Φ14	1/2"	210	120	-
20	220	115	85	65	58	16	4-Φ14	1/2"	240	140	-
25	220	135	100	78	66	18	4-Φ18	1/2"	250	160	-
32	250	145	110	85	76	18	4-Φ18	1/2"	270	160	-
40	270	160	125	100	88	20	4-Φ18	1/2"	310	160	-
50	300	180	145	120	110	22	8-Φ18	3/4"	330	240	-
65	350	195	160	135	121	22	8-Φ18	3/4"	360	240	-
80	380	230	190	160	150	24	8-Φ23	3/4"	400	280	-
100	430	270	220	188	176	28	8-Φ25	1	480	320	-
125	190	300	250	218	204	30	8-Φ25	1	550	360	-
150	570	350	295	258	234	34	12-Φ30	1	620	360	-
200	690	415	355	315	287	40	12-Φ34	1	750	400	-



DN	L	D	D1	D2	b	D0	Z-Φd	-46°C	-101°C	-196°C	WT(kg)
DJ41Y-16C	DJ41Y-16P		DJ41Y-16R	DJ641Y-16C	DJ641Y-16P		DJ641Y-16R	DJ9B41Y-16C	DJ9B41Y-16P	DJ9B41Y-16R	
50	230	160	125	100	16	240	4-Φ18	460	480	520	-
65	290	180	145	120	18	280	4-Φ18	475	505	525	-
80	310	195	160	135	20	280	8-Φ18	520	550	590	-
100	350	215	180	155	20	320	8-Φ18	545	575	615	-
125	400	245	210	185	22	360	8-Φ18	590	620	660	-
150	480	280	240	210	24	400	8-Φ23	650	680	730	-
200	600	335	295	265	26	400	12-Φ23	850	880	930	-
250	730	405	355	320	30	450	12-Φ25	956	986	1036	-
300	850	460	410	375	30	500	12-Φ25	1095	1125	1175	-
DJ41Y-25	DJ41Y-25P		DJ41Y-25R	DJ641Y-25C	DJ641Y-25P		DJ641Y-25R	DJ9B41Y-25C	DJ9B41Y-25P	DJ9B41Y-25R	
50	230	160	125	100	20	240	4-Φ18	460	480	520	-
65	290	180	145	120	22	280	8-Φ18	475	505	525	-
80	310	195	160	135	22	280	8-Φ18	520	550	590	-
100	350	230	190	160	24	320	8-Φ23	545	575	615	-
125	400	270	220	188	28	360	8-Φ25	590	620	660	-
150	480	300	250	218	30	400	8-Φ25	650	680	730	-
200	600	360	310	278	34	400	12-Φ25	850	880	930	-
250	730	425	370	332	36	450	12-Φ30	956	986	1036	-
300	850	485	430	390	40	500	12-Φ30	1095	1125	1175	-
DJ41Y-40	DJ41Y-40P		DJ41Y-40R	DJ641Y-40C	DJ641Y-40P		DJ641Y-40R	DJ9B41Y-40C	DJ9B41Y-40P	DJ9B41Y-40R	
50	230	160	125	100	88	240	4-Φ18	483	504	546	-
65	290	180	145	120	110	280	8-Φ18	499	530	551	-
80	310	195	160	135	21	280	8-Φ18	546	578	620	-
100	350	230	190	160	150	320	8-Φ23	572	604	646	-
125	400	270	220	188	176	360	8-Φ25	620	651	693	-
150	480	300	250	218	204	400	8-Φ25	683	741	767	-
200	600	360	320	282	260	400	12-Φ30	893	924	977	-
250	730	425	385	345	313	450	12-Φ33	1004	1035	1088	-
300	850	485	450	408	364	500	12-Φ30	1150	1181	1234	-

采用标准 Adopt Standard

全径或缩径；
明杆支架式(OS&Y)；
自定心压板压套式；
螺栓连接、缠绕垫片密封式阀盖；
螺纹连接、全焊密封式阀盖，螺纹连接、
全焊密封式阀盖以及螺纹连接内压自紧式阀盖；
整体式上密座；
承插端符合ASME B16.11；
螺纹连接端(NPT)符合ANSI/ASME B1.20.1；
阀瓣可变换为节流型、针型、球型盒止回阀。

Full diameter or shrinkage;
Open pole bracket type (OS&Y);
Self centering pressure sleeve;
Bolt connection and wound gasket sealing valve cover;
Threaded connection, all welded sealed bonnet, threaded connection,
Full welded sealed valve cover and internal pressure self sealing valve cover with screw connection;
Integral upper sealing seat;
The socket is in accordance with B16.11 ASME;
Threaded end (NPT) conforms to ANSI/ASME B1.20.1;
Disc can be converted into a throttle type, needle type, ball type box check valve.

锻钢截止阀有三种阀盖设计形式。第一种是螺栓式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺栓连接，缠绕式垫片（304夹柔性石墨制造）或采用金属环连接密封。第二种设计形式是焊接式阀盖，按这种设计形式的阀门，其阀体与阀盖用螺纹连接，全焊密封，客户有特殊要求时也可采用全焊透连接。第三种是压力自紧式阀盖，按这种设计的阀门，其阀体与阀盖螺纹连接，内压自密封环密封。

Forged steel gate valve has three valve cover design. The first is screwBolted bonnet, a valve designed in this formBolted to the valve cover, wound gasket (304 clip flexible stone)Made of metal or metal ring seal. Second design formsThe utility model relates to a welding type valve cover, which is designed according to the valveThe body is connected with the valve cover by a screw thread. Customers have specialCan also be used when full penetration welding connection. Third is the pressure self tightening typeValve cover, according to this design of the valve, the valve body and valve cover screwInternal pressure self sealing ring seal.

应用规范 Application Standards

设计制造 Design and Manufacture Conform	BS5352, MSS SP-118;
连接尺寸 Connection Ends Conform	1)承插口尺寸 Socket welded dimension conform: ANSI B16.11;JB/T 1751 2)螺纹端尺寸 Screw ends dimension conform: ANSI B1.20.1; JB/T7306 3)对焊端尺寸 Butt-welded conform: ANSI B16.25; JB/T12224 4)法兰端尺寸 Flange ends conform: ANSI B16.5; JB79
检查和试验 Test and Inspection Conform	API598; GB/T13927; JB/T9092
结构特性 Structure Features	螺纹连接阀盖(B.B)和明杆支架(OS &Y) Bolted bonnet, outside screw and yoke Welded bonnet, outside screw and yoke
材料标准 Material Conform	ANSI/ASTM
主体材料 Main Material	A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy合金等。

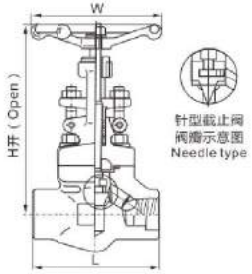
碳钢温压等级 Carbon steel temperature-pressure rate

CL 150-285 P.S.I @ 100°F　CL 300-740 P.S.I @ 100°F　CL600-1480 P.S.I @ 100°F
CL 800-1975 P.S.I @ 100°F　CL 1500-3705 P.S.I @ 100°F

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

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	152	172	200	
手轮直径(mm) Hand wheel diameter		W	100	100	100	125	160	160	180	200	
中心高度(开)(mm) Height		H	164	164	164	203	260	260	300	355	
流通孔径(mm) Flow port diamension		d	7	9	13	17.5	30	30	35	46	
重量Weight(kg)			-	-	-	-	-	-	-	-	

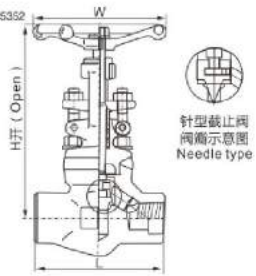


针型截止阀
阀瓣示意图
Needle type

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

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	79	79	92	111	120	152	172	200	
手轮直径(mm) Hand wheel 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 diamension		d	7	9	13	17.5	23	30	35	46	
重量Weight(kg)			-	-	-	-	-	-	-	-	



针型截止阀
阀瓣示意图
Needle type

应用规范 Application Standards

设计制造 Design and Manufacture Conform	BS5352, MSS SP-118;
连接尺寸 Connection Ends Conform	1)承插口尺寸 Socket welded dimension conform: ANSI B16.11;JB/T 1751 2)螺纹端尺寸 Screw ends dimension conform: ANSI B1.20.1; JB/T7306 3)对焊端尺寸 Butt-welded conform: ANSI B16.25; JB/T12224 4)法兰端尺寸 Flange ends conform: ANSI B16.5; JB79
检查和试验 Test and Inspection Conform	API598; GB/T13927; JB/T9092
结构特性 Structure Features	螺纹连接阀盖(B.B)和明杆支架(OS &Y) Bolted bonnet, outside screw and yoke Welded bonnet, outside screw and yoke
材料标准 Material Conform	ANSI/ASTM
主体材料 Main Material	A105; LF2; F5; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy合金等。

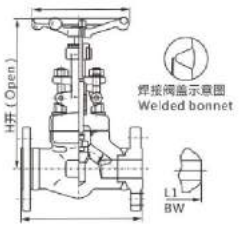
碳钢温压等级 Carbon steel temperature-pressure rate

CL 150-285 P.S.I @ 100°F　CL 300-740 P.S.I @ 100°F　CL600-1480 P.S.I @ 100°F
CL 800-1975 P.S.I @ 100°F　CL 1500-3705 P.S.I @ 100°F

螺栓连接阀盖，缩径，明杆支架(OS & Y)末端连接为连接法兰或对焊连接，设计按 BS5352
Bolted bonnet, reducing port outside screw and yoke(OS &Y)Flange or butt-welding design to Bs5352

CL150-300-600

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)Hand wheel diameter			W	-	-	100	100	125	160	160	180
中心高度(开)(mm) Height	CL150/CL300		H	-	-	180	184	217	224	260	300
	CL150			-	-	164	164	203	224	260	300
流通孔径(mm)Flow port diamension			d	-	-	9	13	17.5	23	30	35
重量Weight(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	12.5	9.2	12.6	16.8
	CL600	RF		-	-	2.6	7.8	8.5	17	23.5	38.8
		BW		-	-	3.4	4.7	9.2	10.5	13.3	18.9



焊接阀盖示意图
Welded bonnet

螺栓连接阀盖(RJ)，全径，明杆支架(OS &Y)末端连接为焊接法兰或对焊连接，设计按BS5352
Bolted bonnet, full port outside screw and yoke(OS & Y)Flange-welded or butt-welded ends; design toBS5352

CL900-CL1500

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) Hand wheel diameter	W	-	-	125	125	160	160	180	200
中心高度(开)(mm) Height	H	-	-	207	207	230	160	300	355
流通孔径(mm) Flow port diamension	d	-	-	12	15	20	28	32	40
重量Weight(kg)		-	-	11	13.2	17.4	19	24.5	31

焊接阀盖示意图
Welded bonnet

主要特点及用途

1. 阀门与管路连接采用焊接式结构。
2. 密封面不易磨损、擦伤、密封性能好、寿命长。
3. 结构紧凑、启闭性好、高度小、维修方便。
4. 适用于水、蒸汽、油品管路上，具有耐高温、耐高压的特点。

Main Features and Uses

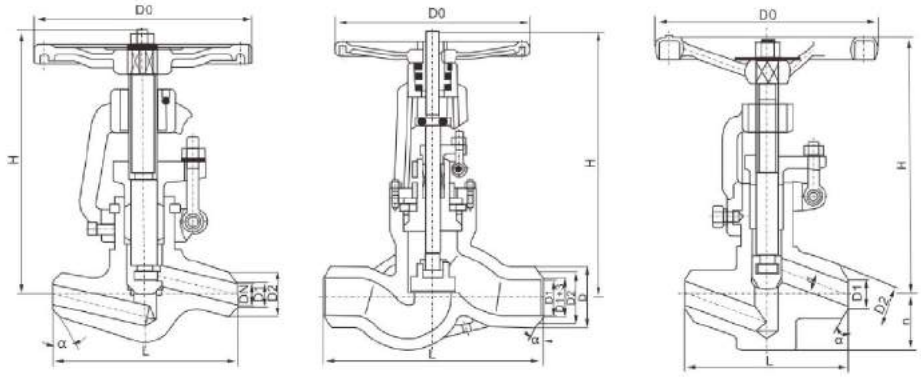
1. Valve and pipeline connection using welded structure.
2. Sealing surface is not easy to wear, abrasion, good sealing performance, long life.
3. Compact structure, good opening and closing, small height, easy maintenance.
4. Suitable for water, steam, oil pipeline, with high temperature, high pressure characteristics.

性能规范 Performance Specification

型号 Model	公称压力 Nominal pressure	试验压力 Test pressure		工作压力Working pressure			工作温度 Working temperature	适用介质 Applicable medium
		壳体强度 Shell strength	密封Seal	P54	P55	P57		
J61H/Y-100	10	15	11	/	/	/	≤450°C	水、蒸汽、油品
J61H/Y-200	20	30	22	/	/	/		
J61H/Y-250	25	38	28	/	/	/		
J61H/Y-320	32	48	36	/	/	/		
J61Y-P54/100V	/	30	22	10	/	/	≤540°C	蒸汽
J61Y-P54/140V	/	38	28	14	/	/		
J61Y-P54/170V	/	48	36	17	/	/		
J61Y-P54/100V	/	38	28	/	10	/	≤555°C	
J61Y-P54/140V	/	48	36	/	14	/		
J61Y-P54/170V	/	53	39	/	17	/		
J61Y-P54/100V	/	48	36	/	/	10	≤570°C	
J61Y-P54/140V	/	55	40	/	/	14		
J61Y-P54/170V	/	60	44	/	/	17		

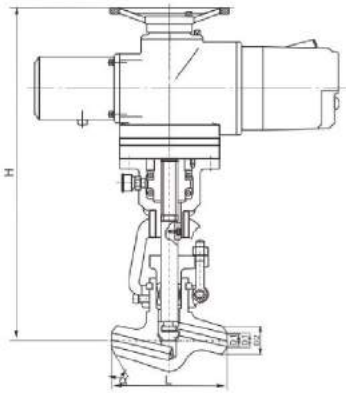
主要零件材料 Main Part Material

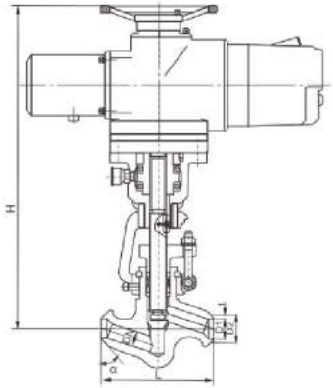
型号 Model	阀体 Body	阀盖 Valve cover	阀杆 Stem	阀瓣 Valve	密封面 Sealing urface	填料 Filler	阀杆螺母 Stem nut	手轮 Handwheel	紧固件 A fastening
J61H J961H	25 WCB	25 WCB	铬不锈钢 Chrome stainless steel	铬不锈钢 Chrome stainless steel	铬不锈钢 Chrome stainless steel	柔性石墨 Flexible graphite	铝青铜 Aluminum bronze	可锻铸铁 Malleable iron	优质碳钢 铬钼钢 High quality carbon steel Cr Mo steel
J61Y J961Y	25 WCB	25 WCB	铬不锈钢 Chrome stainless steel	25	硬质合金 Cemented carbide				
J61Y-P54 J961Y-P54	12Cr1MoV WC6	12Cr1MoV WC6	20Cr1Mo1VA 38Cr1MoAlA	12Cr1MoV	硬质合金 Cemented carbide				
J61Y-P55 J961Y-P55	12Cr1MoV WC6	12Cr1MoV WC6	20Cr1Mo1VA 38Cr1MoAlA	12Cr1MoV	硬质合金 Cemented carbide				
J61Y-P57 J961Y-P57	12Cr1MoV WC9	12Cr1MoV WC9	20Cr1Mo1VA 38Cr1MoAlA	12Cr1MoV	硬质合金 Cemented carbide				



主要连接尺寸及重量 Main Connection Dimensions and Weight

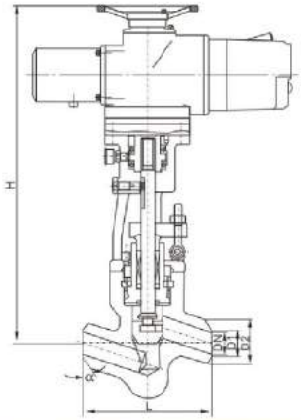
公称通径 DN	主要外型尺寸和连接尺寸 Main dimensions and connection dimensions							WT (kg)
	L	D1	D2	D3	α	H	D0	
J61Y-100, 200, 250, 320 J961Y-P54/100V, P54/140V, P54/170V								
10	120	10	27	/	37.5°	185	140	2.8
15	150	13	40	/	37.5°	247	200	7.5
20	135 170	18	40	/	37.5°	248	200	9
25	135 170	22	50	/	37.5°	248	240	9.5
32	170 180	24	55	/	37.5°	248.5	280	15
40	230	36	60	/	37.5°	440	280	23
50(1)	250	48	90	/	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

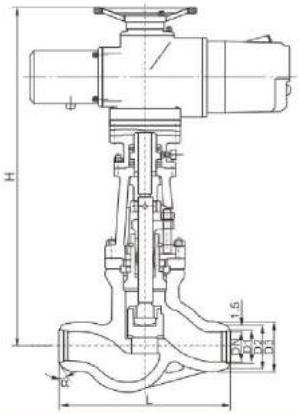




性能规范 Performance Specification

型号 Model	公称压力 Nominal pressure	试验压力 Test pressure		工作压力 Working pressure			工作温度 Working temperature /°C	适用介质 Applicable medium
		壳体强度 Shell strength	密封 Seal	P54	P55	P57		
J961H/Y-100	10	15	11	/	/	/	≤450	水、蒸汽、油品 Water, steam, oil
J961H/Y-200	20	30	22	/	/	/		
J961H/Y-250	25	38	28	/	/	/		
J961H/Y-320	32	48	36	/	/	/		
J961Y-P54/100V	/	30	22	10	/	/	≤540	蒸汽 Steam
J961Y-P54/140V	/	38	28	14	/	/		
J961Y-P54/170V	/	48	36	17	/	/		
J961Y-P55/100V	/	38	28	/	10	/	≤555	
J961Y-P55/140V	/	48	36	/	14	/		
J961Y-P55/170V	/	53	39	/	17	/		
J961Y-P57/100V	/	48	36	/	/	10	≤570	
J961Y-P57/140V	/	55	40	/	/	14		
J961Y-P57/170V	/	60	44	/	/	17		





主要连接尺寸及重量 Main Connection Dimensions and Weight

公称通径 DN	J961H/Y-100, 200, 250, 320 J961Y-P54/100V, P54/140V, P54/170V 主要外型尺寸和连接尺寸 Main dimensions and connection dimensions					
	L	D1	D2	D3	α	H
15	150	17	36	/	37.5°	518
20	135 170	22	42	/	37.5°	518
25	135 170	24	42	/	37.5°	518
32	170 180	36	44	/	37.5°	560
40	230	48	60	/	37.5°	545
50(1)	250	50	82	/	32°	728
50(2)	320 350	50	82	/	32°	748
65	370 260	69	100	110	32°	829
80	400 430 470	84	108	130	32°	898
100	455 560	107	144	165	32°	913
注：DN50为两种结构						
J961Y-P55/100V, P55/140V, P55/170V J961Y-P57/100V, P57/140V, P57/170V						
15	150	17	40	/	37.5°	518
20	135 170	22	46	/	37.5°	518
25	135 170	24	46	/	37.5°	518
32	170 180	36	49	/	37.5°	560
40	230	48	60	/	37.5°	545
50(1)	250	50	90	/	32°	728
50(2)	320 350	50	90	/	32°	748
65	370 260	69	104	115	32°	829
80	400 430 470	84	110	140	32°	898
100	455 560	107	148	170	32°	913

SWING CHECK VALVE
旋启式止回阀

科源阀门 KEYUAN VALVE

结构优势与特点

1. 产品按国家标准GB/T12236设计制造，结构合理，密封可靠，性能优良。
2. 阀瓣和阀体的密封面用铁基合金或司太立钴基硬质合金堆焊而成，耐磨、耐高温、耐腐蚀，抗擦伤性能好，使用寿命长。
3. 可采用各种配管法兰标准及法兰密封面型式，满足各种工程需要及用户要求。
4. 阀体材料品种齐全，垫片可根据实际工况或用户要求合理选配，能适用于各种压力、温度及介质工况。
5. 阀瓣围绕阀座外的销旋转，减少关闭时发生猛烈冲击。
6. 销轴与阀瓣连接采用内装式结构，不存在外泄漏点，使用更可靠。

Structural Advantages and Characteristics

1. Product design and manufacture according to the national standard GB/T12236, reasonable structure, reliable sealing, performance Excellent. Iron based alloy or cobalt based alloy surfacing Stellite
2. Sealing surface of the valve and valve and,Wear resistance, high temperature resistance, corrosion resistance, scratch resistance, long service life.
3. Can be used with standard pipe flanges and flange sealing surface, to meet the needs of various projects and User requirements.
4. Valve body material is complete, the gasket can be based on actual conditions or user requirements reasonable matching, can Suitable for all kinds of pressure, temperature and medium conditions.
5. Disc around the outside of the valve pin rotation to reduce the impact of the closure of the violent.
6. A pin shaft and the valve is connected with the built-in structure, there was no leakage of leakage, the use of more reliable.

标准与规范 Standards and Norms

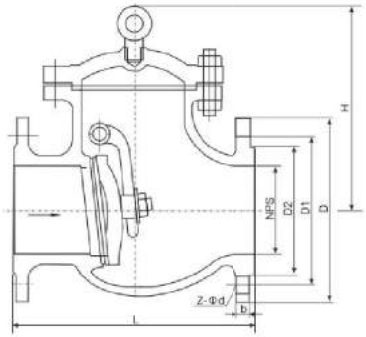
设计与制造 Design and manufacture	结构长度 Structure length	压力温度等级 Pressure temperature rating	连接法兰 Connecting flange	试验和检验 Test and inspection
GB/T12236	GB/T12221	GB/T12224	GB/T9113 HG 20592-20635	JB/T 9092 GB/T26480

性能参数 Performance Parameter

项目名称 entry name	PN16	PN25	PN40	PN64	PN100	PN160	PN200
常温下工作压力 Operating pressure at room temperature (MPa)	1.6	2.5	4.0	6.4	10	16	20
公称压力 Nominal pressure (MPa)	常温下公称压力的1.5倍 Nominal pressure at room temperature 1.5 times						
壳体强度试验压力 Shell strength test pressure (MPa)	常温下公称压力的1.0倍 Nominal pressure at room temperature 1.0 times						
高压密封试验压力 High pressure seal test pressure (MPa)	≤1.6	≤2.5	≤4.0	≤6.4	≤10	≤16	≤20

主要零件材质 Main Parts Material

零件名称 Part name	材料名称 Material name			
阀体 Body	WCB	A351CF8	15CrMo	15Cr1Mo1V
阀盖 Bonnet	WCB	A351CF8	15CrMo	20CrMoV
阀瓣 Valve	A105	A351CF8	15CrMo	20CrMoV
密封面 Sealing surface	13Cr/STL	W/Y/F	STL	STL
销轴 Pin shaft	20Cr13	06Cr19Ni10	15CrMo	15Cr1Mo1V/F22
垫片 Shim	304+柔性石墨 304+ flexible graphite	PTFE	304+柔性石墨 304+ flexible graphite	304+柔性石墨 304+ flexible graphite
螺栓 Bolt	35CrMoA/35#	A193 B8	35CrMoA/A193-B16	35CrMoA/A193-B16
螺母 Nut	30CrMo/25#	A194 8	30CrMo/A194-4	30CrMo/A194-4
使用温度 Use temperature	-29~425°C	-196~425°C	-29~550°C	-29~570°C
适用介质 Applicable medium	水、蒸汽、油品等 Water, steam, oil, etc.	硝酸类弱腐蚀介质 Weakly corrosive medium of nitric acid	水、蒸汽、油品等 Water, steam, oil, etc.	水、蒸汽、油品等 Water, steam, oil, etc.



主要连接尺寸及重量 Main Connection Dimensions and Weight

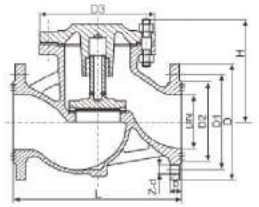
公称通径 DN	L	D	D1	D2	b	Z-Φd	H	WT (Kg)
		H44H-16C	H44W-16C	H44W-16P	H44W-16R	H44W-16I		
50	230	160	125	100	16	4-18	135	-
65	290	180	145	120	18	4-18	142	-
80	310	195	160	135	20	8-18	165	-
100	350	215	180	155	20	8-18	180	-
125	400	245	210	185	22	8-18	210	-
150	480	280	240	210	24	8-23	233	-
200	500	335	295	265	26	12-23	304	-
250	550	405	355	320	30	12-25	348	-
300	650	460	410	375	30	12-25	390	-
350	750	520	470	435	34	16-25	430	-
400	850	580	525	485	36	16-30	468	-
450	950	640	585	545	40	20-30	523	-
500	1025	705	650	608	44	20-34	525	-
		H44H-25	H44W-25	H44W-25P	H44W-25R	H44W-25I		
50	230	160	125	100	20	4-18	16	-
65	290	180	145	120	22	8-18	175	-
80	310	195	160	135	22	8-18	185	-
100	350	230	190	160	24	8-23	220	-
125	400	270	220	188	28	8-25	248	-
150	480	300	250	218	30	8-25	276	-
200	550	360	310	278	34	12-25	350	-
250	650	425	370	332	36	12-30	410	-
300	750	485	430	390	40	16-30	430	-
350	850	550	490	448	44	16-34	518	-
400	950	610	550	505	48	16-34	560	-
450	1025	660	600	555	50	20-34	582	-
500	1150	730	660	610	52	20-41	618	-

主要连接尺寸及重量 Main Connection Dimensions and Weight

公称通径 DN	L	D	D1	D2	D6	b	f	f1	Z-Φd	H	WT (Kg)
			H44H-40	H44W-40	H44W-40P	H44W-40R	H44W-40I				
50	230	160	125	100	88	20	3	4	4-Φ18	169	-
65	290	180	145	120	110	22	3	4	8-Φ18	173	-
80	310	195	160	135	121	22	3	4	8-Φ18	185	-
100	350	230	190	160	150	24	3	4.5	8-Φ23	220	-
125	400	270	220	188	176	28	3	4.5	8-Φ25	248	-
150	480	300	250	218	204	30	3	4.5	8-Φ25	270	-
200	550	375	320	282	206	38	3	4.5	12-Φ30	342	-
250	650	445	385	345	313	42	3	4.5	12-Φ34	401	-
300	750	510	450	408	364	46	4	4.5	16-Φ34	423	-
350	850	570	510	465	422	52	4	5	16-Φ34	455	-
400	950	655	585	535	474	58	4	5	16-Φ41	510	-

公称通径 DN	L	D	D1	D2	D6	b	f	f1	Z-Φd	H	WT (Kg)
			H44H-64	H44W-64	H44W-64P	H44W-64R	H44W-64I				
50	300	175	135	105	88	26	3	4	4-Φ23	177	-
65	340	200	160	130	110	28	3	4	8-Φ23	197	-
80	380	210	170	140	121	30	3	4	8-Φ23	212	-
100	430	250	200	168	150	32	3	4.5	8-Φ25	248	-
125	500	295	240	202	176	36	3	4.5	8-Φ30	296	-
150	550	340	280	240	204	38	3	4.5	8-Φ34	330	-
200	650	405	345	300	260	44	3	4.5	12-Φ34	385	-
250	775	470	400	352	313	48	3	4.5	12-Φ41	445	-
300	900	530	460	412	364	54	4	4.5	16-Φ41	474	-
350	1025	595	525	475	422	60	4	5	16-Φ47	514	-
400	1150	670	585	525	474	66	4	5	16-Φ48	616	-

LIFT CHECK VALVE
升降式止回阀



公称通径 DN	L	D	D1	D2	D6	B	Z-Φd	H	重量 (kg)
		H41H-16C	H41W-16C	H41W-16P		H41W-16R	H41W-16I		
15	130	95	65	45		14	4-14	77	-
20	150	105	75	55		14	4-14	77	-
25	160	115	85	65		14	4-14	80	-
32	180	135	100	78		16	4-18	85	-
40	200	145	110	85		16	4-18	95	-
50	230	160	125	100		16	4-18	105	-
65	290	180	145	120		18	4-18	120	-
80	310	195	160	135		20	8-18	130	-
100	350	215	180	155		20	8-18	140	-
125	400	245	210	185		22	8-18	155	-
150	480	280	240	210		24	8-23	180	-
200	600	335	295	265		26	12-23	215	-
250	730	405	355	320		30	12-25	260	-
300	850	460	410	375		34	12-25	315	-
		H41H-25	H41W-25	H41W-25P		H41W-25R	H41W-25I		
15	130	95	65	45		16	4-14	100	-
20	150	105	75	55		16	4-14	105	-
25	160	115	85	65		16	4-14	120	-
32	180	135	100	78		18	4-18	130	-
40	200	145	110	85		18	4-18	135	-
50	230	160	125	100		20	4-18	149	-
65	290	180	145	120		22	8-18	160	-
80	310	195	160	135		22	8-18	169	-
100	350	230	190	160		24	8-23	194	-
125	400	270	220	180		28	8-25	222	-
150	480	300	250	218		30	8-25	255	-
200	600	360	310	278		34	12-25	305	-
250	730	425	370	332		36	12-30	355	-
300	850	485	430	390		40	16-30	410	-
		H41H-40	H41W-40	H41W-40P		H41W-40R	H41W-40I		
15	130	95	65	45	40	16	4-14	100	-
20	150	105	75	55	51	16	4-14	105	-
25	160	115	85	65	58	16	4-14	120	-
32	180	135	100	78	66	18	4-18	130	-
40	200	145	110	85	76	18	4-18	135	-
50	230	160	125	100	88	20	4-18	149	-
65	290	180	145	120	110	22	8-18	160	-
80	310	195	160	135	121	22	8-18	169	-
100	350	230	190	160	150	24	8-23	194	-
125	400	270	220	188	176	28	8-25	225	-
150	480	300	250	218	204	30	8-25	255	-
200	600	375	320	282	260	38	12-30	305	-
250	730	445	385	345	313	42	12-34	360	-
300	850	510	450	408	364	46	12-34	415	-
		H41H-64	H41W-64	H41W-64P		H41W-64R	H41W-64I		
15	210	105	75	55	40	18	4-14	100	-
20	230	125	90	68	51	20	4-18	110	-
25	230	135	100	78	58	22	4-18	125	-
32	260	150	110	82	66	24	4-23	140	-
40	260	165	125	95	76	24	4-23	168	-
50	300	175	135	105	88	26	4-23	170	-
65	340	200	160	130	110	28	8-23	188	-
80	380	210	170	140	121	30	8-23	205	-
100	430	250	200	168	150	32	8-25	230	-
125	500	295	240	202	176	36	8-30	230	-
150	550	340	280	240	204	38	8-34	265	-
200	650	405	345	300	260	44	12-34	310	-

API SWING CHECK VALVE
美标旋启式止回阀

标准与规范 Standards and Norms

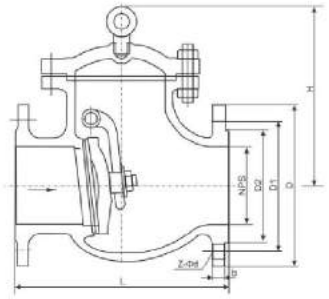
设计与制造 Design and manufacture	结构长度 Structure length	法兰尺寸 Flange size	压力温度 Pressure temperature	试验和检验 Test and inspection
ANSIB16.34	ANSI B16.10	ANSI B16.5	ANSI B16.34	API598

产品性能规范 Product Performance Specification

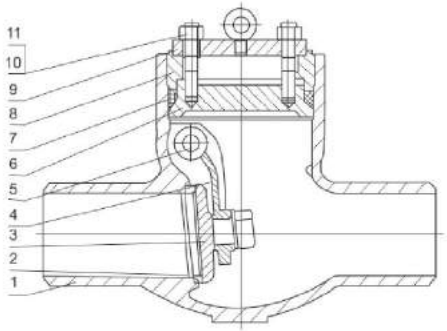
公称压力 DN	强度试验 Strength test		水密封试验 Water seal test		气密封试验 Air tight test	
Lb	MPa	Lbf/in²	MPa	Lbf/in²	MPa	Lbf/in²
150	3.1	450	2.2	315	0.5~0.7	60~100
300	7.8	1125	5.6	815	0.5~0.7	60~100
600	15.3	2225	11.2	1630	0.5~0.7	60~100
900	23.1	3350	16.8	2440	0.5~0.7	60~100

主要零件材料及性能 Material and Properties of Main Parts

体、盖、瓣、摇杆、导向套 Body, cover, flap, rocker, guide sleeve	销轴 Pin shaft	垫片 Shim	密封面 Sealing surface	工作温度 Working temperature ℃	适用介质 Applicable 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 graphiteStainless steel / acid proof asbestos PTFETooth type gasket	13Cr STL 本体材料 Bulk material PTFE 尼龙 nylon	≤425	水、蒸汽、油品 Water, steam, oil
WC1	2Cr13			≤450	
WC6	2Cr13			≤540	
WC9	2Cr13			≤570	
C5 C12	2Cr13			≤550	
CF8	304			≤200 非腐蚀性介质 Non corrosive medium	硝酸类、醋酸类、强氧化介质、尿素 Nitric acid, acetic acid, Strong oxidizing medium,urea
CF3	316				
CF8M	304L				
CF3M	316L				



NPS in	DN mm	L	D	D1	D2	b	Z-Φd	H	WT (Kg)
磅级Class-150Lb									
2"	50	203	157	120.7	92	19.50	4-19	161	-
2 1/2"	65	216	178	139.7	105	22.5	4-19	180	-
3"	80	241	190.5	152.4	127	24	4-19	190	-
4"	100	292	229	190.50	157.2	24	8-19	220	-
6"	150	356	279	241.5	216	25.5	8-22.5	257	-
8"	200	495	343	298.5	270	29	8-22.5	292	-
10"	250	622	406	362	324	30.5	12-25	350	-
12"	300	698	483	432	381	32	12-25	398	-
14"	350	787	533	476.8	413	35	12-29	445	-
16"	400	864	597	539.8	470	37	16-29	490	-
18"	450	978	635	577.8	533	40	16-32	520	-
20"	500	978	698	635	584	43	20-32	546	-
24"	600	1295	813	749.3	692	48	20-35	880	-
磅级Class-300Lb									
2"	50	267	165	127	92	22.5	8-19	179.5	-
2 1/2"	65	292	190	150	105	25	8-22	190	-
3"	80	318	210	168	127	29.0	8-22.5	212.4	-
4"	100	356	254	200	157	32.0	8-22.5	246	-
6"	150	445	317.5	269.7	216	37.0	12-22.5	292	-
8"	200	533	381	330	270	41.5	12-25.5	328	-
10"	250	622	444.5	387	324	48.0	16-28.5	378.6	-
12"	300	711	521	451	381	51.0	16-32	420	-
14"	350	838	584	514	54	54	20-32	470	-
16"	400	864	648	572	57	57	20-35	530	-
18"	450	978	711	629	60	60	24-35	584	-
20"	500	1016	775	686	64	64	24-35	610	-
24"	600	1346	914	813	70	70	24-41	860	-
磅级Class-600Lb									
2"	50	292	165	127	92	25	8-19	203	-
2 1/2"	65	330	190	150	105	29	8-22	229	-
3"	80	356	210	168	127	32	8-22	235	-
4"	100	432	273	216	157	38	8-25	286	-
6"	150	559	356	292	216	48	8-29	330	-
8"	200	660	419	349	270	56	12-29	381	-
10"	250	787	508	432	324	64	12-32	457	-
12"	300	838	559	489	381	67	16-35	584	-
14"	350	889	603	527	413	70	20-38	635	-
16"	400	991	686	603	470	76	20-41	684	-

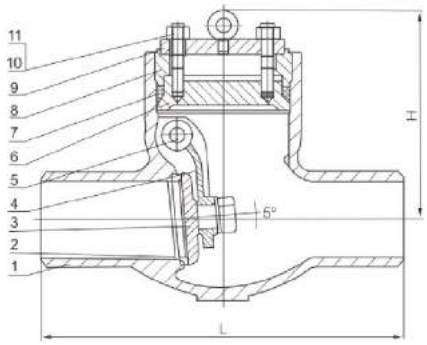


产品采用标准 Products Using Standard

结构形式 structural style	压力密封旋启式止回阀 Pressure seal swing check valve	
设计依据 Design basis	GB	API
设计标准 Design standard	GB/ T12236	API 600
结构长度 Structure length	GB/ T12221	ASMEB16.10
连接法兰 Connecting flange	JB/ T79 GB/ T12236 HG20594	ASMEB 16.5
对焊端 Butt welding ends	GB/ T1224	ASMEB16.25
试验和检验 Test and inspection	JB/ T9092	API598

主要零件材质 Main Parts Material

零件名称 Part name	材料名称 Material name	
	ASTM	GB
阀体 Body	WCB, WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
阀瓣 Valve	WCB, WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
阀座 Seat	A 105, F11, F22, F5, F9 F304, F316, F321, F304L, F316L	25, 1Cr18Ni9Ti 0Cr18Ni12Mo2Ti, 20Cr1Mo1V, 25Cr2Mov
销轴 Pin shaft	Gr F6a, F22 F304, F316, F321, F304L, F316L	1Cr13, 2Cr13 1Cr18Ni90Ti, 0Cr18Ni12Mo2Ti
摇杆 Rocker	WCB, WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
阀盖 Valve cover	A 105, F11, F22, F5, F9 F304, F316, F321, F304L, F316L	25, 1Cr18Ni9Ti 0Cr18Ni12Mo2Ti, 20Cr1Mo1V, 25Cr2Mov
密封圈 Seal ring	柔性石墨 flexible graphite	柔性石墨 flexible graphite
压盖 Gland	WCB, WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M	WCB, WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
双头螺柱 Double headed stud	A193-B7, A320-B8, A193-B8M	35CrMoA, 20Cr2Mov 0Cr18Ni9, 0Cr17Ni12Mo2
六角螺母 Hexagon nut	A194-2H, A194-8, A194-8M	45, 35CrMoA, 20Cr2Mov 0Cr18Ni9, 0Cr17Ni12Mo2



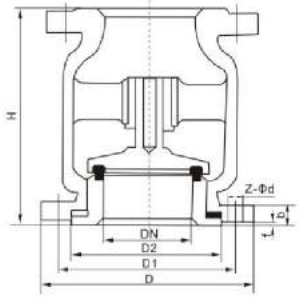
Class150, 300, 600, 900, 1500, 2500

DN(mm)	NPS(in)	L	H
磅级Class-150Lb			
50	2	203	132
65	21/2	216	147
80	3	241	176
100	4	292	198
150	6	356	320
200	8	495	380
250	10	622	440
300	12	699	480
350	14	787	530
400	16	864	580
450	18	978	618
500	20	978	657
600	24	1295	760
磅级Class-600Lb			
50	2	292	226
65	21/2	330	240
80	3	356	254
100	4	432	279
150	6	559	368
200	8	660	393
250	10	787	457
300	12	838	584
350	14	889	609
400	16	991	685
450	18	1092	736
500	20	1194	762
600	24	1397	889
磅级Class-900Lb			
50	2	368	225
65	21/2	419	240
80	3	381	254
100	4	457	279
150	6	610	381
200	8	737	533
250	10	838	558
300	12	965	609
350	14	1029	736
400	16	1130	762
450	18	1219	863
500	20	1549	939
600	24	1549	1066

DN(mm)	NPS(in)	L	H
磅级Class-300Lb			
50	2	267	144
65	21/2	292	169
80	3	318	210
100	4	356	260
150	6	445	325
200	8	533	380
250	10	622	440
300	12	711	520
350	14	838	540
400	16	864	588
450	18	978	670
500	20	1016	720
600	24	1346	850
磅级Class-1500Lb			
50	2	368	225
65	21/2	419	240
80	3	470	254
100	4	546	279
150	6	705	405
200	8	832	567
250	10	991	585
300	12	1130	630
350	14	1257	750
400	16	1384	787
450	18	1537	885
500	20	1664	960
600	24	1943	1120
磅级Class-2500Lb			
50	2	451	225
65	21/2	508	249
80	3	578	254
100	4	673	279
150	6	914	420
200	8	1022	570
250	10	1270	1010
300	12	1422	1160

执行标准 Implementation Standards

结构长度Structure length GB1221-89
法兰标准Flange standard JB79-59

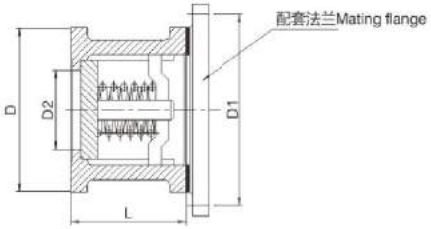


主要性能规范 Main Performance Specification

试验压力 Test pressure(MPa)	公称压力 PN (MPa)		
	1.6	2.5	4.0
壳体强度试验 Shell strength test	2.4	3.75	6.0
密封试验(液) Seal test (liquid)	1.76	2.75	4.4
密封试验(气) Seal test (gas)	0.5~0.7	0.5~0.7	0.5~0.7
适用介质 Applicable medium	C 水、蒸汽、油品 Water, steam, oil	P 硝酸类 Nitric acid	R 油品 oil
适用温度 Applicable temperature	≤425℃	≤100℃	≤550℃

主要外形尺寸 Main Dimension

DN	H	D	D1	D2	B	F	Z-Φd
PN1.6MPa							
32	145	135	100	78	18	2	4-18
40	160	145	110	85	18	3	4-18
50	170	160	125	100	20	3	4-18
65	180	180	145	120	22	3	4-18
80	200	195	160	135	22	3	8-18
100	220	215	180	155	24	3	8-18
125	270	245	210	185	28	3	8-18
150	300	280	240	210	30	3	8-18
200	390	335	295	265	34	3	12-23



公称通径 DN(mm)	L	D	D2	配套法兰（供参考） Mating flange (for reference)			
				螺栓孔中心圆直径D1 Bolt Kong Zhong Circle diameter D1	螺栓数量 Bolt number	螺栓直径 Bolt diameter	螺栓长度 Bolt length
PN10/PN16							
15	16	53	15	65	4	M12	75
20	19	63	19	75	4	M12	90
25	22	73	24	85	4	M12	90
32	28	84	31	100	4	M16	100
40	32	94	39	110	4	M16	105
50	40	109	48	125	4	M16	125
65	46	129	63	145	4	M16	130
80	50	144	78	160	8	M16	135
100	60	170	98	180	8	M16	150
125	90	198	123	210	8	M16	180
150	106	228	148	240	8	M20	210
200	140	275	198	295	8	M20	240
250	160	332	248	350	12	M20	260
PN25							
15	16	53	15	65	4	M12	80
20	19	63	19	75	4	M12	90
25	22	73	24	85	4	M12	90
32	28	84	31	100	4	M16	110
40	32	94	39	110	4	M16	115
50	40	109	48	125	4	M16	125
65	46	129	63	145	8	M16	135
80	50	144	78	160	8	M16	145
100	60	170	98	190	8	M20	160
125	90	198	123	220	8	M24	205
150	106	228	148	250	8	M24	225
200	140	284	198	310	12	M24	260
250	160	341	248	370	12	M27	280
PN40							
15	16	53	15	65	4	M12	80
20	19	63	19	75	4	M12	90
25	22	73	24	85	4	M12	90
32	28	84	31	100	4	M16	110
40	32	94	39	110	4	M16	115
50	40	109	48	125	4	M16	125
65	46	129	63	145	8	M16	135
80	50	144	78	160	8	M16	145
100	60	170	98	190	8	M20	160
125	90	198	123	220	8	M24	205
150	106	228	148	250	8	M24	225
200	140	291	198	320	12	M27	275
250	160	353	248	385	12	M30	295

采用标准 Adopt Standard

全径或缩径;
升降式止回阀;
球式止回阀;
旋启式止回阀;
按需求内置弹簧;
螺栓连接、缠绕垫片密封式阀盖，螺纹连接、
全焊密封式阀盖以及螺纹连接内压自紧式阀盖;
承插端符合ASME B16.11;
螺纹连接端（NPT）符合ANSI/ASME B1.20.1;
阀瓣可变换为节密封、阀瓣、球型阀瓣。

Full diameter or shrinkage;
Lift check valve;
Ball type check valve;
Swing check valve;
Spring in demand;
Bolted, wound gasket sealed bonnet,
Full welded sealed valve cover and internal pressure self sealing valve cover with screw connection;
The socket is in accordance with B16.11 ASME;
Threaded end (NPT) conforms to ANSI/ASME B1.20.1;

锻钢止回阀有三种阀盖设计形式。第一种是螺栓式阀盖，按这种设计形式设计的阀门，其阀体与阀盖用螺栓连接，缠绕式垫片（304夹柔性石墨制造）密封。客户有特殊要求时也可采用金属环连接。第二种设计形式是焊接式阀盖，按这种设计形式的阀门，其阀体与阀盖用螺纹连接，全焊密封。客户有特殊要求时也可采用全焊透连接。第三种是压力自紧式阀盖，按这种设计的阀门，其阀体与阀盖螺纹连接，内压自密封环密封。

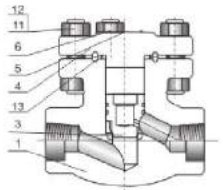
Forged steel check valve has three types of valve cover design. The first is a bolt type valve cover, according to the design of the design of the valve, the valve body and the valve cover with a bolt, winding gasket (304 flexibleGraphite manufacturing) seal. Customers can also use the special requirements of the metal ring connection. The second form of design is the welded bonnet, in which the valve body and bonnet are threadedConnection, full seal. Customers can also use the special requirements of full penetration welding connection. The third is the pressure from the valve cover, according to this design of the valve, the valve body and the valve cover screw connection, the internal pressure from the denseSealing ring.

应用规范 Application Standards

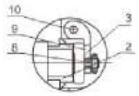
设计制造 Design and Manufacture Conform	BS5352, MSS SP-118;
连接尺寸 Connection Ends Conform	1)承插口尺寸 Socket welded dimension conform: ANSI B16.11; JB/T 1751 2)螺纹端尺寸 Screw ends dimension conform: ANSI B1.20.1; JB/T7306 3)对焊端尺寸 Butt-welded conform: ANSI B16.25; JB/T12224 4)法兰端尺寸 Flange ends conform: ANSI B16.5; JB79
检查和试验 Test and Inspection Conform	API598; GB/T13927; JB/T9092
结构特性 Structure Features	体盖连接垫片采用金属环(RJ); 螺栓连接阀盖(B.B)焊接阀盖(W.B) Gasket for bonnet connect adopt metal ring. Bolted bonnet, Welded bonnet
材料标准 Material Conform	ANSI/ASTM
主体材料 Main Material	A105; LF2; F6; F11; F22; 304(L); 316(L); F347; F321; F51; Monel; 20 Alloy合金等。

碳钢温压等级 Carbon steel temperature-pressure rate

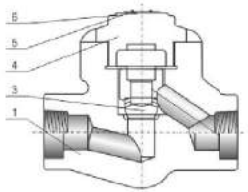
CL 150-285 P.S.I @ 100°F　CL 300-740 P.S.I @ 100°F
CL 600-1480 P.S.I @ 100°F　CL 800-1975 P.S.I @ 100°F
CL 1500-3705 P.S.I @ 100°F　CL 2500-6170 P.S.I @ 100°F



如要加载弹簧需在定单中注明
Please mark in you offer if you need load spring



旋启式止回阀示意图
Swing type



如要加载弹簧需在定单中注明
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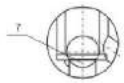
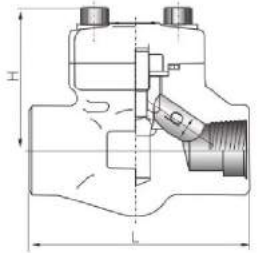


旋启式止回阀示意图
Swing type

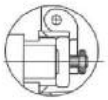
典型零件材料表 Material Table For Typical Parts

序号 NO.	零件名称 Part name	A105/F6a	A105/F6aHFS	LF2/304	F11/F6aHF	F304(L)/304(L)	F316(L)/316(L)	F51/F51
1	阀体 Body	A105	A105	LF2	F11	F304(L)	F316(L)	F51
2	座阀 Steat ring	410	410HF	304	410HF	304(L)	316(L)	F51
3	阀瓣 Disc	F6a	F6a	F304	F6aHF	F304(L)	F316(L)	F51
4	阀盖 Bonnet	A105	A105	LF2	F11	F304(L)	F316(L)	F51
5	铭牌 Nameplate	AL	AL	AL	AL	AL	AL	AL
6	铆钉 Revit	AL	AL	AL	AL	AL	AL	AL
7	钢球 Steel ball	430	430	304	STL	316(L)	F316(L)	STL
8	阀瓣螺母 Disc nut	2H	2H	8	8	8(M)	8(M)	8M
9	摇臂 Hinge	410	410	304	410	316(L)	316(L)	F51
10	销轴 Pin	410	410	304	410	304(L)	316(L)	F51
11	双头螺柱 Screwed stud	B7	B7	L7	B16	B8(M)	B8(M)	B8(M)
12	螺母 Nut	2H	2H	8	8	8(M)	8(M)	8(M)
13	金属环 Metal ring	304	304	304	304	304(L)	316(L)	F51



如要加载弹簧需在定单中注明
Please mark in you offer if you need load spring


球型止回阀示意图
Ball type


旋启式止回阀示意图
Swing type

焊接阀盖，缩径和全径。末端连接为螺纹或承插焊或对焊，设计按:BS5352
Welded bonnet, full port and reducing port Threaded, butt-welded or socket welded ends; design to BS5352

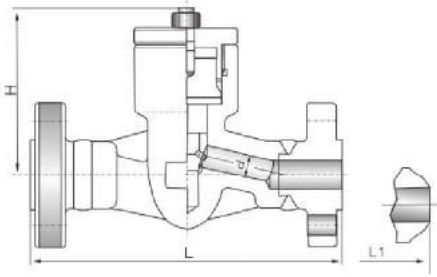
CL800

规格(NPS) Specification				1/2	3/4	1	1 1/4	1 1/2	2	
	R.P									
	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	79	79	92	111	120	152	172	200
		旋启式	79	79	92	111	120	120	140	178
中心高度(开)(mm) Height	H	升降式	61	61	61	78	84	84	118	132
		旋启式	61	61	61	78	84	84	120	133
流道孔径(mm) Flow port diamension	d	升降式	7	9	13	17.5	23	30	35	46
		旋启式	8	10.5	13.5	18	24	29	36.5	45
重量Weight(kg)		升降式	-	-	-	-	-	-	-	-
		旋启式	-	-	-	-	-	-	-	-

焊接阀盖，缩径和全径。末端连接为螺纹或承插焊或对焊，设计按:BS5352
Welded bonnet, full port and reducing port Threaded, butt-welded or socket welded ends; design to BS5352

CL900-CL1500

规格(NPS) Specification				1/2	3/4	1	1 1/4	1 1/2	2	
	R.P									
	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	92	111	111	120	152	172	200	
		旋启式	92	111	111	120	120	140	178	
中心高度(开)(mm) Height	H	升降式	61	78	78	84	103	118	132	
		旋启式	61	78	78	84	101	120	133	
流道孔径(mm) Flow port diamension	d	升降式	7	12	15	20	28	32	40	
		旋启式	8	10.5	13.5	18	24	29	45	
重量Weight(kg)		升降式	-	-	-	-	-	-	-	
		旋启式	-	-	-	-	-	-	-	

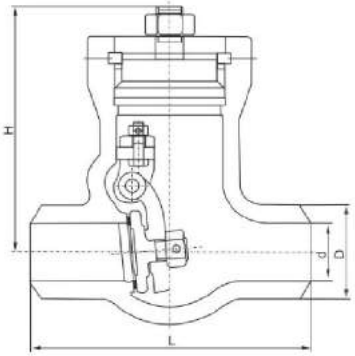


压力自紧式密封，螺纹连接阀盖，缩径和全径。末端连接为法兰或对焊，设计按:BS5352
Pressure self tight seal, threaded valve cover, diameter and diameter.End joining flanges, designed by: BS5352

CL900-CL1500								
规格(NPS)Specification	F.P	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	280	305	268
	L(RTJ)		216	229	254	280	305	371
中心高度(开)(mm)Height	L		117	117	117	152	152	195
流道孔径(mm)Flow port diamension	H		12	15	20	28	32	40
重量Weight(kg)	d		10.5	11.9	13.9	19.9	26.9	32.5

压力自紧式密封，螺纹连接阀盖，缩径和全径。末端连接为法兰或对焊，设计按:ASME B 16.34
Pressure self tight seal, threaded valve cover, diameter and diameter.End joining flanges, designed by: ASME B 16.34

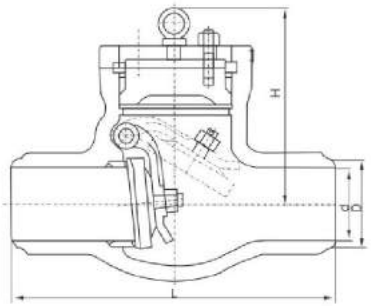
CL2500								
规格(NPS)Specification	F.P	3/8	1/2	3/4	1	1 1/4	1 1/2	2
结构长度(mm) Face to face	L(RF),L1(BW)		264	273	308	349	384	450
	L(RTJ)		264	273	308	352	387	454
中心高度(开)(mm)Height	L		117	117	117	152	152	195
流道孔径(mm)Flow port diamension	H		12	15	20	32	28	40
重量Weight(kg)	d		12.6	14.9	16.5	24.8	30	35



结构优势与特点
Structural Advantages and Characteristics

1. 产品设计制造按ANSI B16.34 和E101标准的规定，结构合理，性能优良，造型美观。
2. 阀门中腔采用压力自紧式密封结构，介质压力越高，密封性能越好。
3. 支管两端为焊接结构，适应不同的接管要求。
4. 阀瓣、阀座密封面采用司太立(stellite)钴基硬质合金焊而成，耐磨、耐高温、耐腐蚀、抗擦伤性能好、使用寿命长。
5. 阀瓣转绕阀座外的销轴旋转，减少关闭时发生的猛烈冲击。
6. 内装式的销轴结构，减小外泄漏点，使用更可靠。

1. Product design and manufacture according to the requirements of ANSI B16.34 and E101 standards, reasonable structure, performance Excellent, beautiful appearance.
2. Valve cavity pressure self sealing structure, the higher the pressure, the better the sealing performance.
3. Pipe ends welded structure, meet the requirements of different nozzle.
4. The valve seat sealing surface with Stellite (Stellite) cobalt based alloy welding, wear resistance,High temperature resistance, corrosion resistance, scratch resistance, long service life.
5. The valve flap rotates around the pin shaft outside the valve seat to reduce the impact of the closure.Pin
6. Built-in type structure, reduce the leakage of leakage, the use of more reliable.

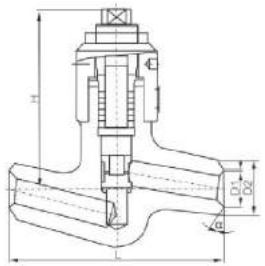


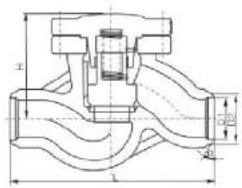
主要零件材质 Main Parts Material

零件名称 Part name	材料名称 Material name			
阀体 Body	WCB	WC1	WC6	WC9
阀座 Seat	25	15CrMo1V	12CrMo1V	
阀瓣 Valve	WCB	WC1	WC6	WC9
阀杆 Stem	WCB	WC1	WC6	WC9
阀盖 Valve cover	25	15CrMo1V	12Cr1MoVA	
销轴 Pin shaft	1Cr17Ni12		20Cr1MoVA	
密封环 Seal ring	S软钢或(增强柔性石墨) S (mild steel or flexible graphite)			

主要尺寸及重量 Main Dimensions and Weight

公称通径 DN	d	L	H
H64Y-1500Lb			
2 1/2	56	254	282
3	64	305	300
4	84	406	350
5	100	483	425
6	126	559	400
8	158	711	490
10	200	864	540
12	250	991	650
14	280	1067	710
H64Y-2000Lb			
2 1/2	50	330	240
3	60	368	305
4	80	457	315
5	96	533	409
6	118	610	465
8	147	762	528
10	180	914	613
12	222	1041	680
14	254	1118	745
H64Y-2500Lb			
3	54	368	297
4	70	457	385
5	86	533	410
6	104	610	455
8	130	762	557
10	162	914	615
12	210	1041	715
14	234	1118	790
16	264	1245	815
18	304	1397	815





结构优势与特点

1. 产品设计制造按 E101和JB/T3595标准的规定，结构合理，性能优良，造型美观。
2. 阀门中腔采用压力自紧式密封结构，介质压力越高，密封性能越好。
3. 支管两端为焊接结构，适应不同的接管要求。
4. 阀瓣、阀座密封面采用司太立（stellite）钴基硬质合金堆焊而成，耐磨、耐高温、耐腐蚀、抗擦伤性能好、使用寿命长。
5. 高温耐压部件采用优质耐热合金钢制造，安全可靠，性能稳定，使用寿命长。

Structural Advantages and Characteristics

1. Product design and manufacture according to the requirements of ANSI B16.34 and E101 standards, reasonable structure, performance Excellent, beautiful appearance.
2. Valve cavity pressure self sealing structure, the higher the pressure, the better the sealing performance.
3. Pipe ends welded structure, meet the requirements of different nozzle.
4. The valve seat sealing surface with Stellite (Stellite) cobalt based alloy welding, wear resistance,High temperature resistance, corrosion resistance, scratch resistance, long service life.
5. High temperature resistant parts are made of high quality alloy steel, safe and reliable, stable performance and long service life.

主要零件材料 Main Part Material

零件名称 Part name	材料名称 Material name			
阀体 Body	25、WCB	12Cr1Mov	WC6	WC9
阀盖 Bonnet	25	12Cr1Mov		
阀瓣、阀座 Flap, Seat	25堆STL钴基硬质合金 25 heap STL cobalt base hard alloy	12Cr1Mov堆heapSTL钴基硬质合金 STL cobalt based cemented carbide		
密封环 Seal ring	增强柔性石墨 Enhanced flexible graphite			

主要尺寸及重量 Main Dimensions and Weight

公称通径 PS/in.	尺寸Size /mm				重量 Weight/kg
	D1	D2	L	H	
10	12	23	120	-	2
20	27	45	135 170	105	9.5
25	28	46	135 200 170	125	10
32	30	50	180 200	124	12
40	38	60	230	250	25
50	61	80	350 320	300	28
65	69	90	260 370	350	29
80	84	118	340 400 430	380	75
100	113	138	410 455 560	330	148
150	150	190	750	390	349
175	186	239	900	428	400
200	201	260	950	518	603

BALL VALVE
球阀系列

保障每一台阀门都以高品质、
高标准服务于我们的客户，
为您带来更大的汇报价值。

To ensure that each valve with high quality,
High standards of service to our customers,
Bring you greater reporting value.

高性能弹性浮动阀座 High-performance Flexible Floating Seat

设计原理：唇式密封技术
制造范围：1寸-4寸
适用温度：-46°C-250°C
适用压力：P.T.F.E:150Lb-600Lb P.T.F.E:150Lb-1500Lb
DEVLON:150Lb-2500Lb NYLON:150Lb-2500Lb
PEEK:150Lb-2500Lb NESPEL:150Lb-2500Lb

Design principle: lip shape seal technology
Manufacturing scope:1-4inch
Applicable temperature: -46°C-250°C
Applicable pressure: P.T.F.E:150Lb-600Lb P.T.F.E:150Lb-1500Lb
DEVLON:150Lb-2500Lb NYLON:150Lb-2500Lb
PEEK:150Lb-2500Lb NESPEL:150Lb-2500Lb

技术特点

1. **唇形设计**
想要让密封材料像橡胶一样，受压时可以发生较大的变形，来填补金属表面的微观不平度，而当应力消除后又能回复其原来的形状，这种现象被称为材料的“记忆特性”所以我们的目的，就是要设计一种密封座的形状，克服PTFE的“冷流”和热膨胀特性的缺陷来改善其记忆特性。这种密封结构称之为具有挠性的唇式密封技术。

2. **双层密封结构**
由于阀座是唇形设计，在初始密封时是下点密封，当压力升高阀座唇形位置变形，形成两点密封，使密封性能更加可靠。

3. **背压变形结构**
阀座背面有一定的弧度来减小直角变形的缺点，同时使唇形阀座具有优良的弹性性能。

4. **外形变形结构**
阀座外圆上作出一定的弧度角，用来防止唇形阀座变形带来的挤压应力过大。

Technical Characteristics

1. **Lip shape seal design**
The rubber will occur large deformation under pressure to offset the roughness of metal surface, and can recover its original shape when stress relief. This material is called as “ Memory Property”. We plan to create a new seat material that can overcome the defects of PTFE cold flow and thermal expansion and improve the memory property. This sealing structure is called as Lucky Lip Seal Technology.

2. **Double layers sealing structure**
The lip shape seal seat has the advantages that its position will be changed due to high temperature, which will form double points sealing. sealing performance is more reliable.

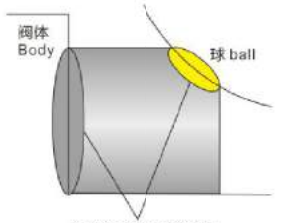
3. **Backpressure deformation structure**
There is a certain radian on the back side of the seat to prevent the right angle from being deformed, and it also can improve the lip shape seal seat elasticity.

4. **Shape deformation structure**
The radian angle on the seat mainly avoid the higher extrusion stress occurred because of the deformation of the lip shape seal seat.

铸钢浮动球阀特点比较 Characteristics of Cast Steel Floating Ball Valve

(1) 如右图所示:为传统的填塞式密封方式，塑料应变发生在球体与密封座和阀体与密封座之间，这两个区域的接触应力大小，决定阀门的密封性能。

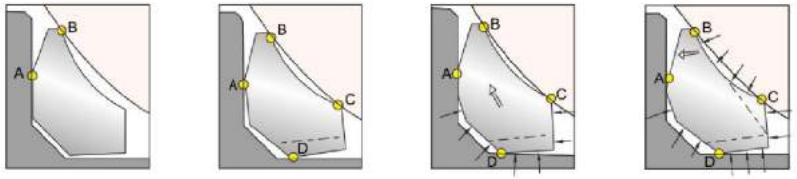
(1) As shown on the right: It is a conventional packed type seal method, the strain stress of plastic between ball and seat or body and seat, of which contact areas size will decide valve sealing.



塑性变形的密封领域
Plastic deformationof the sealing area

(2) 如下图所示:我公司这一改进使密封座具备下列功能：使球体保持在阀腔中心，球体浮动是微小的；装配后，唇部发生变形，能蓄储弹性变形能，实现低压下的密封;密封座上有一支撑点，当压力升高，温度升高时，平衡部分作用在密封座上的介质力；防止材料可能产生的“冷流”。这种截面形状的唇式密封座装配前的形状和图A所示。装配后的形状如图B所示，有四个接触点，B点是与球体接触的密封点，A点是与阀体接触的密封点，C点是与球体接触的支撑点，D点是与阀体接触的支撑点。装配前后唇缘的形状变化，蓄储了材料的弹性变形能，像弹簧一样。而且当温度或压力升高时，进一步吸收弹性变形能，当温度或压力下降时，泄放弹性变形能来获得记忆特性。

(2) As shown below figure: The improved sealing seat has the flowing characteristics: keep the ball in the center of body and a little floatation; the lip area will occur a deformation after assembling and obtain low pressure seal; the supporting point, in case of pressure and temperature increasing, to balance the medium force onto seat, this can prevent the cold flow happened. The shape of unmounted lip shape seat cross section as shown figure A, the completed shape as shown figure B, there are 4 contact points, point B refers to sealing point contacting with ball, point A to sealing point contacting with ball, point C to supporting point contacting with ball while point to supporting point contacting with ball. The elasticity is reserved similar like spring due to deformation. When temperature or pressure increasing, to absorb in the elastic deformation energy; while decreasing, to obtain memory property after release the elastic deformation energy.



(3) 人工开槽，用以实现给与阀座在挤压过程中自我保护。
(3) Grooving to protect the seat from being destroyed in the extrusion process.

(4) 上下碰触，中部赋予弹性空间的方式保证材料弹性蓄能能力实现记忆特性。同时减少接触面面积，降低扭矩
(4) Up and bottom contact, to reserve material elasticity and obtain memory property, and reduce contact areas and lower torque.

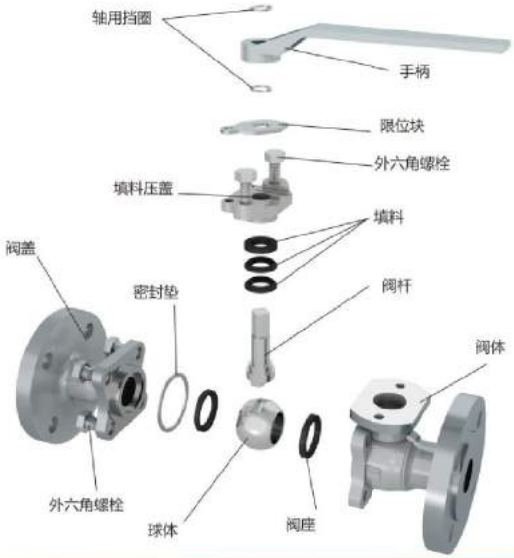
(5) 新型阀座图：
(5) New type seat figure of Cheng Gong:

备注

分体式浮动球阀
下图是统建100mm结构（部件结构随尺寸而变）
蜗轮驱动器参见手动驱动器介绍

Remarks

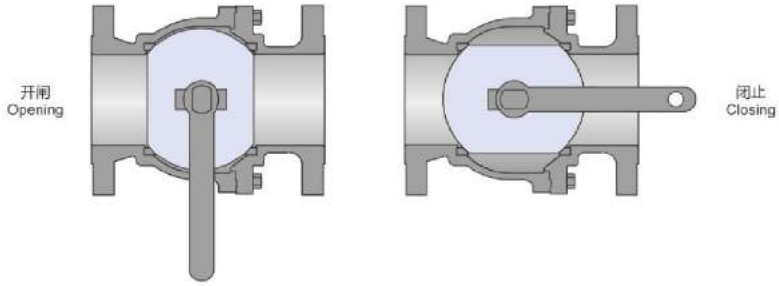
Split floating ball valve
The following figure is a unified 100mm structure (part structure with size and change)
Worm Drive See manual drive introduction



部件材质（常规配置）Parts Material (General Configuration)

零件 Components	碳钢 Carbon steel	不锈钢 stainless steel	酸性环境 Acid condition	低温环境 Cryogenic condition
手柄 handle	WCB	不锈钢 stainless steel	不锈钢 stainless steel	不锈钢 stainless steel
内六角螺钉 Socket head cap screws	ASTMA193-B7	ASTMA193-B8	ASTMA193-B7M	ASTMA193-L7M
压板 Platen	碳钢 Carbon steel	ASTMA315-CF8M	碳钢 Carbon steel	ASTMA352-LCB
垫片 Gaskets	316SS+石墨 graphite	316SS+石墨 graphite	316SS+石墨 graphite	316SS+石墨 graphite
填料组 Packing group	石墨 graphite	石墨 graphite	石墨 graphite	石墨 graphite
阀杆 Stem	ASTMA182-F6A	ASTMA182-F316	ASTMA182-F6A	ASTMA182-F316
弹簧 spring	ASTMA193-B7	ASTMA193-B8	ASTMA193-B7M	ASTMA193-L7M
钢球 Steel balls	不锈钢 stainless steel	不锈钢 stainless steel	不锈钢 stainless steel	不锈钢 stainless steel
螺栓 bolt	ASTMA193-B7	ASTMA193-B8	ASTMA193-B7M	ASTMA193-L7M
阀盖 cap	ASTMA216-WCB	ASTMA315-CF8M	ASTMA216-WCB	ASTMA352-LCB
阀体 Body	ASTMA216-WCB	ASTMA315-CF8M	ASTMA216-WCB	ASTMA352-LCB
螺母 Nuts	ASTMA194-2H	ASTMA194-8	ASTMA194-2HM	ASTMA194-7M
阀座 Seat	四氟乙烯 PTFE	四氟乙烯 PTFE	四氟乙烯 PTFE	四氟乙烯 PTFE
球体 ball	ASTMA105/ENP	ASTMA182-F316	ASTMA105/ENP	ASTMA182-F316

浮动球阀杆顶部形式 The Shape of Stem Top Part of Floating Ball Valve



1. 防止误操作手柄

阀门的开、关常常是通过手柄的位置来确认，手柄与管道平行为开阀、垂直为关阀。但普通球阀手柄与阀杆的连接是扁四方，容易因手柄与阀杆的连接错误而造成阀门的误操作。而诚功浮动型球阀手柄与阀杆的连接是扁平方不可能造成手柄的连接错误，更不会出现误操作。

1. Avoid Wrongly Operate Lever

Usually, to check valve operation status by checking the lever's position, it means open when the lever is parallel with the pipeline, and if vertical with the pipeline the valve is closed. The general shape connected between the lever and stem is flat rectangle which can cause to wrongly operation due to incorrect connection. However, the shape of floating ball valve from Cheng Gong is flat square, no wrong connection will be happened and even no wrong operation.

2.锁定机构

手动球阀在全开、全关位置，可用锁锁定，以防非工作台人员扳动手柄，造成阀门的误操作。也可防止因管线震动，或不可测的因素造成阀开或关，出现事故。特别是对于易爆油、化学药品等工作管线、或者野外配管场合，具有更加有效的作用。

2. Ball Valve With Locking Device

Manual ball valve shall be locked in the full on or off position in order to prevent the valve from being operated improperly by non-employee. This also can reduce accident possibilities from pipeline shake or other unexpected things, especially for the valve used in the services of explosive oil, chemicals and field environment.

3.防止出阀杆凸肩

浮动球阀，为防止因阀门内压的异常升高而使阀杆飞出的危险,在阀杆的下部设置了凸肩，此外为防止火灾出现时，使阀杆密封盘根烧损后，出现泄漏，在阀杆下部凸肩与阀体接触出设置了止推轴承，形成倒密封座，防止泄漏，避免事故的扩大。

对于普通球阀，若阀杆盘根烧损，或盘根压盖，螺栓有缺损，阀杆手内压的作用容易飞出，流体外溢，出现事故，升值加大事故程度，这是安全要求所不允许的。

3. Blow-out Proof Stem Design

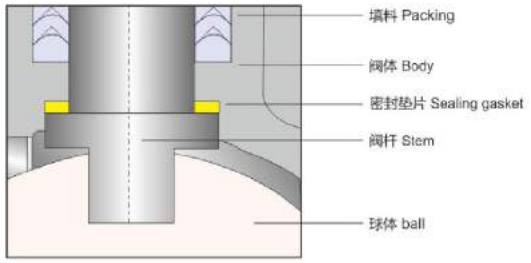
To prevent the stem from being blown out as a result of abnormally rising of floating ball valve internal pressure, a raised shoulder specially designed on the bottom of the stem. And to eliminate the fires and stop the leakage because the packings burned out, thrust bearing mounted on the contact position between raised shoulder and stem, which can generate a reversed seal seat to prevent any leakage.

Subjected to the internal pressure, the general ball valve has the disadvantages that the stem is easier to be blown out in the case of packings burned out and the damage of gland and bolts. The fluid will spilt out lead to big accident happened, that is really forbidden.

浮动球阀阀杆结构 Floating Ball Valve Stem Structure

浮动球阀阀杆转动采用金属TFE(RPPL)作为轴承，可防止阀杆卡死现象，保证操作轻便灵活。

The TFE/RPPL metal material bearing for ball valve can prevent the stem being jammed and easy operation.

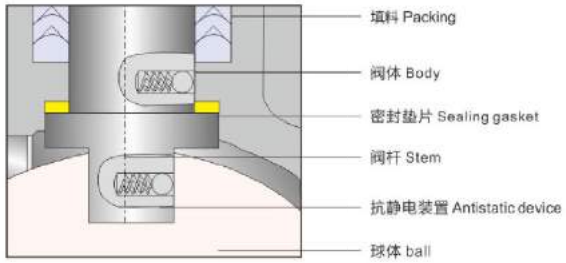


4. 防静电性能

浮动球阀为防止由于球体及阀杆与TFE(或RPPI)的摩擦而产生静电，容易静电打火点燃易燃爆介质出现工况事故。在阀杆与球体及球体与阀体之间设置了导静电弹簧，使静电通过管路导入地下，保证系统安全。

4. Anti-static Performance

To reduce static electricity which exists in ball, stem and TFE/RPPI seat, it is possible that the static charge will be discharge to burnable or explosive medium and creating spark, we require an anti-static spring in the ball-stem connection and ball-body connection. Therefore, the build-up static electricity will be immediately connected to the ground and ensure system safety.



5. 耐火结构

为防止因火灾或聚热的出现，是阀座烧损时，发生较大泄漏，而助长火势，诚功球阀在球体和阀座间设置了防火密封环，当阀座烧损后，介质将球体迅速推向下游端的金属密封环上，形成金属——金属接触，起一定程度的密封。从而保证系统的安全。

5. Fire-proof Protective Structure

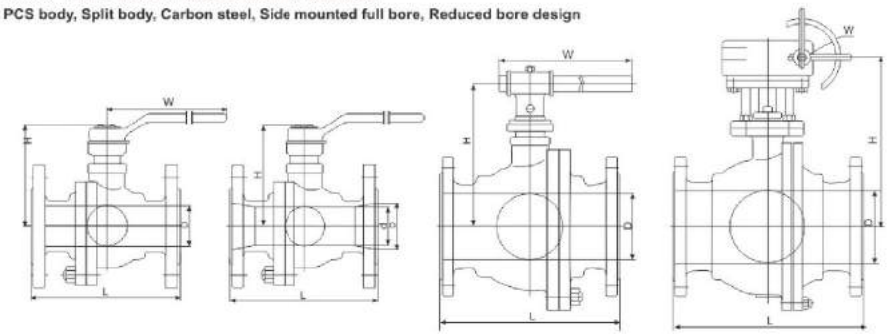
ChengGong company set a fire-proof saal ring to protect seat in case of fire. The ball will be pushed into the downstream immediately under the action of medium, it can help to seal once connected with each others to safeguard the system safety.

火烧前
Before fire

火灾后金属接触
Metal contacts after fire

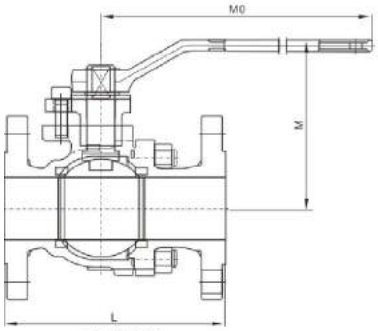
二片式、分体、铸钢、侧装式全通径、缩径设计

2 PCS body, Split body, Carbon steel, Side mounted full bore, Reduced bore design

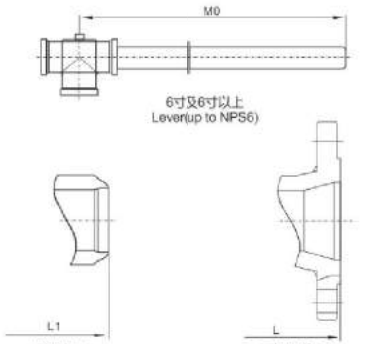


主要外形尺寸 Main Dimensions

全通径 Full diameter					缩径 Reduction					
口径 caliber (英寸inch)	DN mm	L mm	H mm	W mm	口径 caliber (英寸inch)	DN mm	DN mm	L mm	H mm	W mm
150Lb										
1/2	15	108	59	130	3/4*1/2*3/4	15	20	117.5	82	130
3/4	20	117	63	130	1*3/4*1	20	25	127	85	130
1	25	127	76	160	1-1/2*1-2/2	25	38	165	100	160
1-1/2	38	165	97	230	2*1-1/2*2	38	50	178	115	230
2	50	178	107	230	2-1/2*2*2-1/2	50	64	190	120	230
2-1/2	64	190	142	400	3*2*3	50	76	203	153	400
3	76	203	152	400	4*3*4	76	102	229	162	400
4	102	229	178	400	6*4*6	102	152	394	191	460
5	127	356	252	800	8*6*6	152	203	457	290	800
6	152	394	272	800	10*8*10*	203	254	533	340	1000
8	203	457	342	1000	12*10*12*	254	305	610	442	300*
10	254	533	345	400*	-	-	-	-	-	-
12	305	610	479	600*	-	-	-	-	-	-
300Lb										
1/2	15	140	59	130	3/4*1/2*3/4	15	20	152	82	130
3/4	20	152	63	130	1*3/4*1	20	25	165	85	130
1	25	165	75	160	1-1/2*1-2/2	25	38	190	100	160
1-1/2	38	190	97	230	2*1-1/2*2	38	51	216	115	230
2	50	216	107	230	2-1/2*2*2-1/2	50	64	241	120	230
2-1/2	64	241	142	400	3*2-1/2*3	64	76	283	153	400
3	76	283	152	400	4*3*4	76	102	305	162	400
4	102	305	178	400	6*4*6	102	152	403	191	460
5	127	381	252	800	8*6*8	152	203	502	290	300*
6	152	403	272	300*	10*8*10	203	254	568	340	400*
8	203	502	342	400*	-	-	-	-	-	-
10	254	568	345	400*	-	-	-	-	-	-



手动操作 CMA
Lever-Operated

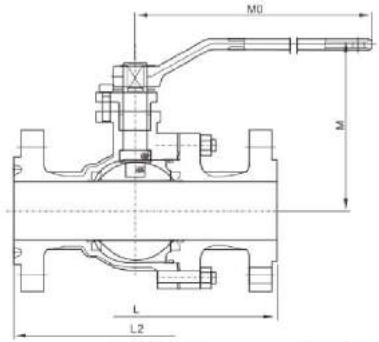


焊接端WN
Welding end WN

缩径流道RB
Reduced runoff Road RB

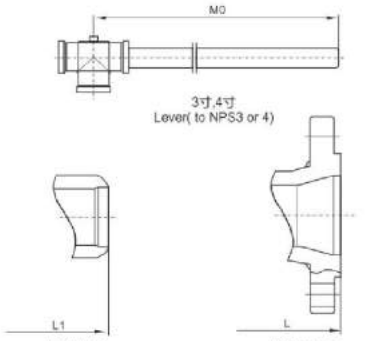
主要外形尺寸 Main Dimensions

全通径 Full diameter						缩径 Reduction					
NPS inch	DN mm	LRF mm	L1WN mm	M mm	M0 mm	NPS×NPS' inch	DN×DN' mm	LRF mm	L1WN mm	M mm	M0 mm
PN16/PN20/Class150											
1/2	15	108	140	85	140	3/4×1/2	20×15	117	152	85	140
3/4	20	117	152	90	140	1×3/4	25×20	127	135	90	140
1	25	127	165	99	150	1 1/2×1	40×25	165	190	99	150
1 1/2	40	165	190	126	200	2×1 1/2	50×40	178	216	126	200
2	50	178	216	140	250	3×2	80×50	203	293	140	250
2 1/2	65	191	241	165	300	4×3	100×80	229	305	178	350
3	80	203	283	178	350	6×4	150×100	394	457	230	500
4	100	229	305	230	500	8×6	200×150	457	521	310	800
6	150	394	457	310	800	10×8	250×200	533	559	350	1000
8	200	457	521	350							
10	250	533	559	400							
PN25/PN40/Class300											
1/2	15	140	140	85	140	3/4×1/2	20×15	152	152	85	140
3/4	20	152	152	90	140	1×3/4	25×20	165	135	90	140
1	25	165	165	99	150	1 1/2×1	40×25	190	190	99	150
1 1/2	40	190	190	126	200	2×1 1/2	50×40	216	216	126	200
2	50	216	216	140	250	3×2	80×50	283	293	140	250
2 1/2	65	241	241	165	300	4×3	100×80	305	305	178	350
3	80	293	283	178	350	6×4	150×100	457	457	230	500
4	100	305	305	230	500	8×6	200×150	502	521	310	800
6	150	457	457	310	800						
8	200	502	521	350	1000						



手动操作 CMA
Lever-Operated

环连接端RJ
Catenin end RJ



焊接端WN
Welding end WN

缩径流道RB
Reduced runoff Road RB

主要外形尺寸 Main Dimensions

全通径 Full diameter						
NPS inch	DN mm	LRF mm	L1WN mm	L2RJ mm	M mm	M0 mm
PN100/PN110/Class600						
1/2	15	165	165	163.5	79	140
3/4	20	191	191	191	83	140
1	25	216	216	216	114	200
1 1/2	40	241	241	241	125	250
2	50	292	292	295	156	300
2 1/2	65	330	330	333	172	350
3	80	356	356	359	220	500
4	100	432	432	435	250	650

主要外形尺寸 Main Dimensions

缩径 Reduction						
NPS×NPS' inch	DN×DN' mm	LRF mm	L1WN mm	L2RJ mm	M mm	M0 mm
PN100/PN110/Class600						
3/4×1/2	20×15	191	191	191	79	140
1×3/4	25×20	216	216	216	83	140
1 1/2×1	40×25	241	241	241	114	200
2×1 1/2	50×40	292	292	295	125	250
3×2	80×50	356	356	359	156	300
4×3	100×80	432	432	435	220	500
6×4	150×100	559	559	562	250	650

固定球阀设计特点 Design Features of Trunnion-mounted Ball Valve

1. 阀杆防吹出设计

阀杆与球是独立的，阀杆靠近球的一端设计成整体结构，压盖法兰可挡住该T型阀杆，避免被内腔压力吹出。

2. 防静电装置处

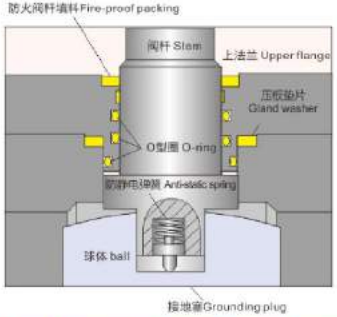
防静电装置时超特球阀的标准设计。阀杆上装有弹簧接地塞钉，使球、阀杆与阀体之间相接触，形成导通电路，可将电荷转移，从而避免阀门开关时摩擦产生静电积聚或流体冲击阀体内腔产生静电积聚。这种静电积聚对一些危险区域内的管线来说是极其危险。

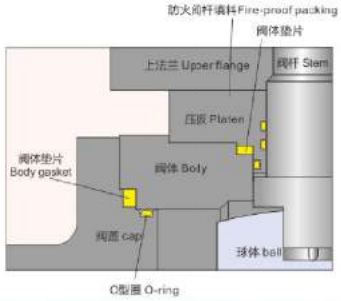
1. Blow-out proof stem design

Both stem and body are separated, the stem part connected with the ball is integral and the gland can hold down the T type stem, which could protect the stem blown out.

2. Anti-static device

The anti-static device mainly used in the special ball vale. A ground plug installed on the stem to form the current path and charge transfer when contacting with body and ball, in this way, it can avoid the build-up of static electricity due to friction or electrostatic accumulation from fluid impacting on the body cavity when on and off valve. This electrostatic accumulation is extremely dangerous in hazardous areas.





超强防火设计 Super Fire-proof Design

防止外漏

在正常情况下，双O型圈加压盖石墨垫片的设计可防止阀杆处的泄漏，O型圈加阀体石墨垫片也保证了阀体，阀盖连接部位的密封，当火灾发生时，O型圈因溶化而失效，此时压盖石墨垫片，阀体石墨垫片和阀杆石墨填料将承担防止流体外泄漏功能。

防止内漏

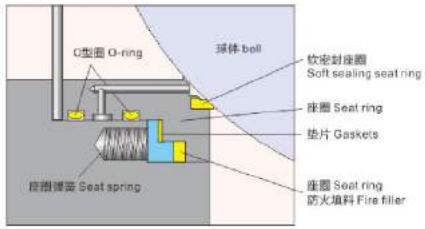
火灾发生时，当非金属材料如O型圈，软密封座圈和阀座挡圈被分解或溶化后，则二道密封的金属座圈眉在弹簧的预紧力作用下将推向球体接触而阻断管线流体，最大程度减小阀门通道中的内漏。另外，柔性石墨座圈填料同时受座圈压缩而密封，阻流体在阀体与座圈间泄漏。

Avoid external leakage

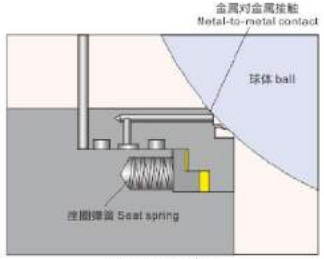
In the normal circumstance, O ring and graphite gasket not only can stop the leakage from the stem but also ensure the sealing connecting between body and cover. If fire happened, the O ring will be burned off and lose its function, but the graphite gasket of gland, body and stem can replace the O ring to prevent leakage.

Avoid internal leakage

In case of fire, the non-metal material e.g.: O ring, soft seal seat and seat retainer ring will be broken down and melted, at this time, the second sealing metal seal lip is pushed up to contact the ball and stop leaking under the pre-tightening force of spring, which could lower internal leakage on the greatest extent. Moreover, the flexible graphite packings compressed by seat ring can prevent the leakage between body and seat ring.



火烧前
Before fire



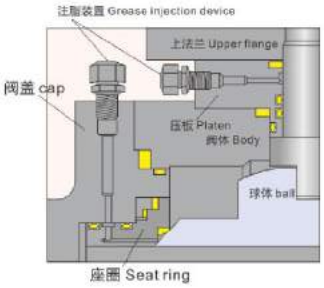
火灾后金属接触
Metal contacts after fire

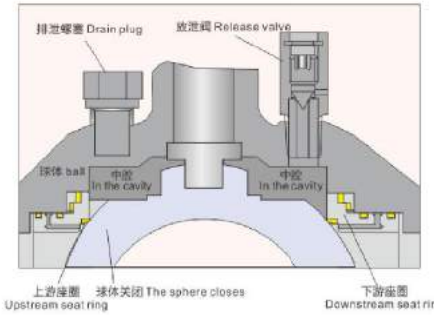
紧急注脂装置

6"(150)和6"以上的固定球阀，阀杆和座圈上均装有注射密封脂装置。当密封材料(密封环或O型圈)被火灾或其他意外事故破坏分解时，向该注射器注射密封脂可阻止源自阀杆和座圈的泄漏，该装置内设一道止回阀起后备密封作用。

Emergency sealant injection valve device

Sealant injection valve is inserted in the position of stem and seat ring for the trunnion-mounted ball valve 6" and above 150 class. If the sealing material (Sealing ring or O ring) is broken down and melted in the fire or other incident, the leakage from stem and seat ring can be restrained by injecting sealant to the valve, there is also a check valve that can prepare to make a sealing.





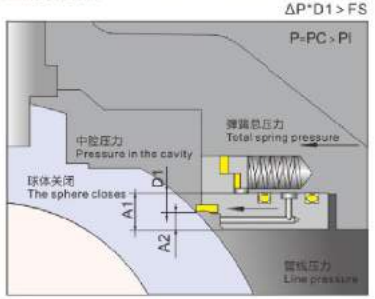
双阻断及泄放功能

固定球阀两阀座能独立切断进口端和出口端流体，如此实现双阻断功能。当球体关闭时，即使阀门两面同时受压，阀门中腔和两端通道是被互相阻断的，中腔中的剩余介质可通过泄放阀排出。

DBB (double-block-and-bleed) function

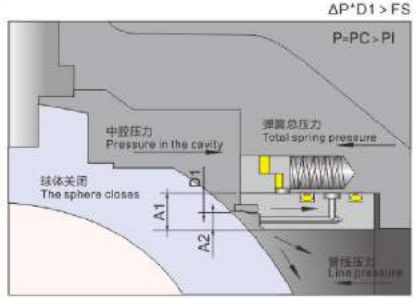
The double seats of trunnion-mounted ball valve can individually isolate and block the flow of fluid from downstream to upstream, it can realize DBB function. After closing the valve, the ball cavity and the both side pipeline will be isolated and blocked even though the both sides stressed from the fluid, the remaining medium could be released by the vent valve.

中腔压力自排放 Pressure in the cavity from the discharge



当阀门中腔压力(PC)小于座圈弹簧的预紧力(FS)和管线流体压力(P1)，即ΔP*D1 > FS，则球体和阀座预紧力接触确保密封。

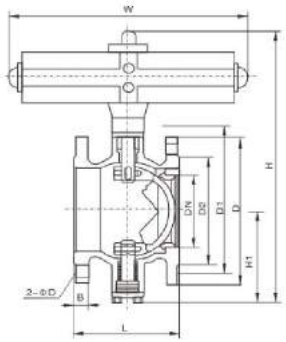
If the pressure of cavity(PC) less than set ring spring pre-tightened stress(FS) and fluid pressure(P1),: ΔP*D1>FS, good sealing can be realized when ball contacts with seat.

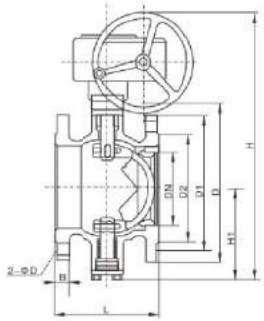


反之，当阀门中腔压力(PC)大于座圈弹簧的预紧力(FS)和管线流体压力(P1)，即ΔP*D1 > FS时，中腔压力将座圈轻微推开，使之与球体之间产生一小间隙，这样内腔过载压力自动泄放到管线中，重新达到阀门中腔和管线(上下游)的压力平衡。

Vice versa, If the pressure of cavity(PC) larger than set ring spring pre-tightened stress(FS) and fluid pressure(P1),: ΔP*D1>FS,The body cavity pressure pushes slightly the seat ring away, and there will be a little gap between seat ring and ball, in this way, the overloading pressure will be bled off into the pipeline and achieve pressure balance again.

VQ347/647/947(HY)-16-25(C/P)





主要外形尺寸 Main Dimensions

DN	L	L1	D	D1	D2	b	Z-d	H			H1	W
								VQ347	VQ647	YQ947		
	VQ347H-16C		VQ347Y-16P		VQ647H-16C		VQ647Y-16P	VQ947H-16C		VQ947Y-16P		
50	124	62	165	125	100	16	4-18	225	218	365	92	400
65	145	72.5	185	145	120	18	4-18	235	255	375	100	400
80	165	82.5	200	160	135	20	8-18	260	270	380	108	400
100	194	97	220	180	155	20	8-18	270	278	390	117	400
125	210	105	250	210	185	22	8-18	320	335	405	140	455
150	229	114.5	295	240	210	22	8-23	340	358	420	177	455
200	243	121.5	340	295	265	24	12-23	390	405	510	200	700
250	297	148.5	405	355	320	26	12-26	420	449	540	252	700
300	338	169	460	410	375	28	12-26	510	550	605	270	700

主要外形尺寸 Main Dimensions

DN	L	L1	D	D1	D2	b	Z-d	H			H1	W
								VQ347	VQ647	YQ947		
	VQ347H-25C		VQ347Y-25P		VQ647H-25C		VQ647Y-25P	VQ947H-25C		VQ947Y-25P		
50	124	62	165	125	100	20	4-18	225	218	365	92	400
65	145	72.5	185	145	120	22	8-18	235	255	375	100	400
80	165	82.5	200	160	135	22	8-18	260	270	380	108	400
100	194	97	230	190	160	24	8-23	270	278	390	117	400
125	210	105	270	220	188	26	8-26	320	335	405	140	455
150	229	114.5	300	250	218	28	8-26	340	358	420	177	455
200	243	121.5	360	310	278	30	12-36	390	405	510	200	700
250	297	148.5	425	370	332	32	12-30	420	449	540	252	700
300	338	169	485	430	390	36	16-30	510	550	605	270	700

技术规范 Specifications

设计和制造 Design and manufacturing	API 608	GB/T21385
法兰连接 Flange connection	ASME/ANSI B16.5	GB/T9113
试验和检验 Testing and inspection	API 598	JB/T9092
结构长度 Structure length	ASME/ANSI B16.10	GB/T12221

性能参数 Performance Parameters

公称压力PN(MPa)	150LB	300LB
公称通径DN(mm)	2"~32"	2"~32"
高压密封试验压力 High - pressure sealing test pressure (MPa)	1.76	4.4
壳体强度试验压力 Shell strength test pressure (MPa)	2.4	6.0
气密封试验压力 Gas - tight test pressure (MPa)	0.6	0.6
适用温度 proper temperature (°C)	-29~300、-29~425	
适用介质 Applicable media	煤制、原油、污水、酸碱等液体、污浆、蒸汽、空气、油类、无腐蚀性、含悬浮颗粒等介质。 Coal, waste, acid, alkali and other liquids, slurry, steam, gas, oil, containing particles, including fiber and other media.	
驱动方式 Drive mode	手动、电动、气动 Manual, electric, pneumatic	
连接形式 Connection form	法兰连接 Flange connection	
安装方式 Installation	立式安装、卧式安装 Vertical installation, horizontal installation	

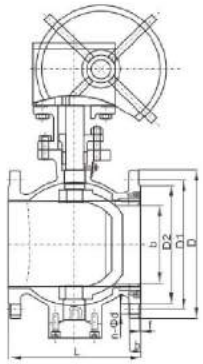
主要零件与材质 Main Parts and Materials

零件名称 Part Name	C	P	R
阀体 Body	WCB	CF8	CF8
底盖 Bottom cover	420	304	316
上阀杆 Upper stem	420	304	316
下阀杆 Lower stem	420	304	316
阀座压板 Seat pressure plate	420	304	316
阀座 Seat	420	304	316
球体 ball	A216	CF8	CF3
密封面材料 Sealing surface material	PTFE	STL	STL
密封面材料 Sealing surface material	STL	PTFE	PTFE

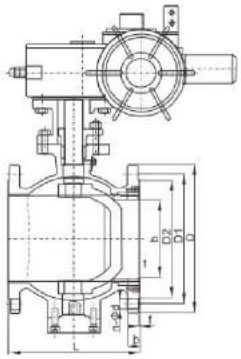
订货须知 Ordering Information

1. 硬（软）密封偏心半球阀有不同的温度级别、不同的使用介质，请需方订货时必须注明使用温度、介质。
2. 需方若需要超越现有的操作方式、规格、尺寸及材料范围的硬（软）密封偏心半球阀，本厂也可单独设计制造，但必须在订货合同中注明。

1. Hard (soft) seal eccentric semi-ball valve has different temperature levels, the use of different media, please demand side must specify the use of temperature, medium.
2. If the demand side need to go beyond the existing mode of operation, size, size and material range of hard (soft) seal eccentric hemispherical valve, the factory can also be individually designed and manufactured, but must be specified in the contract.



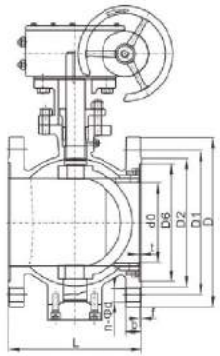
蜗轮、蜗杆传动



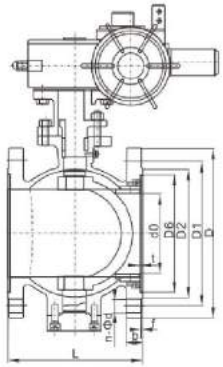
电动

主要外形尺寸 Main Dimensions

DN	L	D	D1	D2	f	b	N-Φd
Class150Lb							
2"	178	152	120.5	92	1.6	15.9	4-19
3"	203	190	152.5	127	1.6	19.1	4-19
4"	229	229	190.5	157	1.6	23.9	8-19
5"	254	254	216.5	186	1.6	23.9	8-22
6"	267	279	241.5	216	1.6	25.4	8-22
8"	292	343	298.5	270	1.6	28.6	8-22
10"	330	406	362	324	1.6	30.2	12-25
12"	502	483	432	381	1.6	31.8	12-25
14"	575	533	476	413	1.6	35	12-29
16"	610	597	539.5	470	1.6	36.5	16-29
18"	660	635	578	533	1.6	39.7	16-32
20"	711	698	635	584	1.6	43	20-32
24"	787	813	749.5	692	1.6	47.7	20-35
28"	900	927	863.6	800	1.6	71.5	28-35
32"	1000	1060	978	914.5	1.6	80.8	28-41
Class300Lb							
2"	178	165	127	92	1.6	22.3	8-19
3"	203	210	168	127	1.6	28.5	8-22
4"	229	254	200	157	1.6	31.8	8-22
5"	254	279	235	186	1.6	35	8-22
6"	267	318	270	216	1.6	36.5	12-22
8"	292	381	330	270	1.6	41.3	12-25
10"	330	444	387.5	324	1.6	47.7	16-29
12"	502	521	451	381	1.6	50.8	16-32
14"	575	584	514	413	1.6	54	20-32
16"	610	648	571.5	470	1.6	57.2	20-35
18"	660	711	628.5	533	1.6	60.5	24-35
20"	711	775	686	584	1.6	63.5	24-35
24"	787	914	813	692	1.6	70	24-41
28"	900	1035	939.8	800	1.6	85.8	28-44.5
32"	1000	1149	1054	914.5	1.6	98.5	28-51



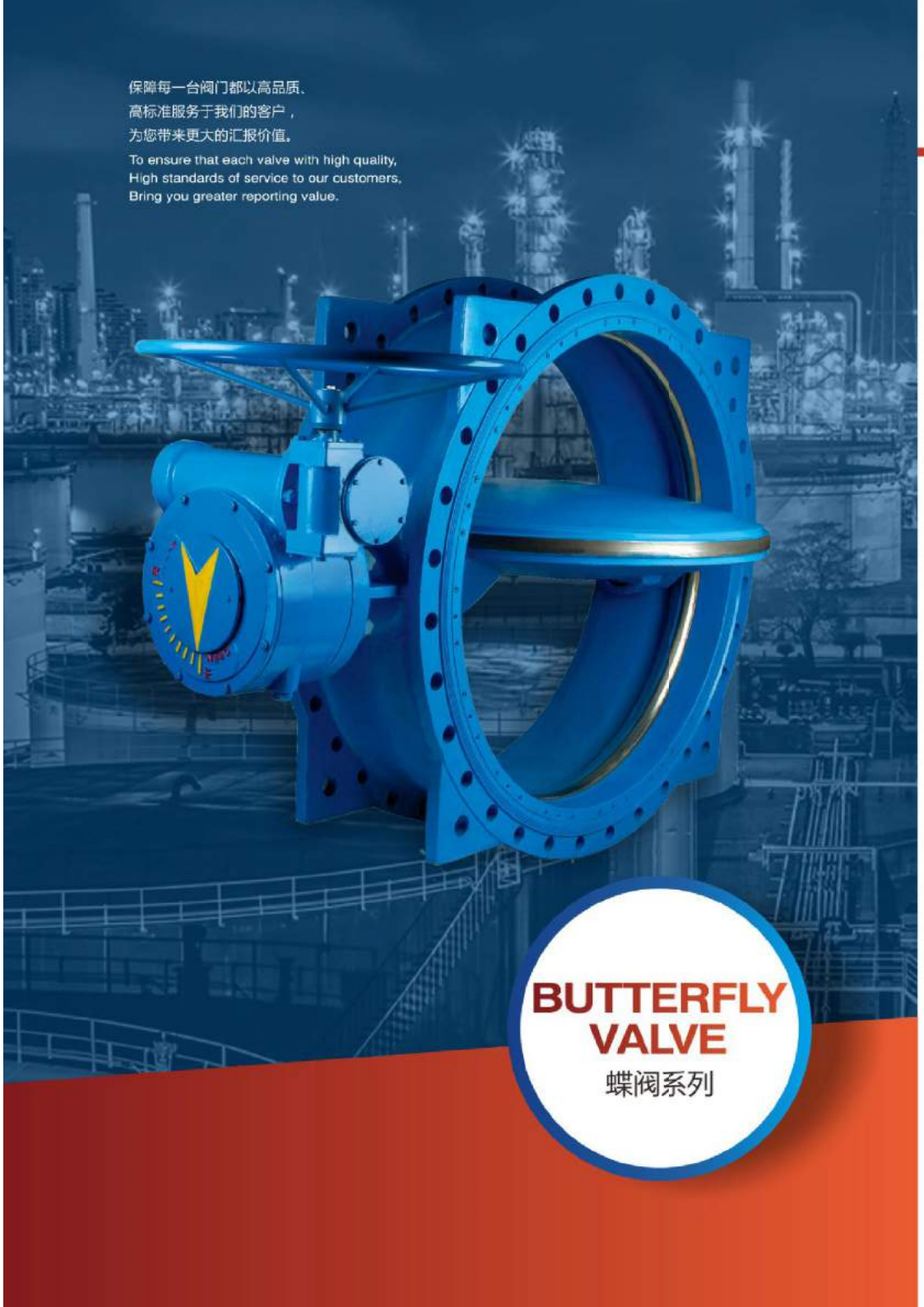
蜗轮、蜗杆传动



电动

主要外形尺寸 Main Dimensions

DN	L	D	D1	D2	D6	f	t	b	n-Φd
PN1.6MPa									
50	178	160	125	100	-	3	-	16	4-18
65	190	180	145	120	-	3	-	18	4-18
80	203	195	160	135	-	3	-	20	8-18
100	229	215	180	155	-	3	-	20	8-18
125	254	248	210	185	-	3	-	22	8-18
150	267	280	240	210	-	3	-	24	8-23
200	267	335	295	265	-	3	-	26	12-23
250	292	405	355	320	-	3	-	30	12-26
300	330	460	410	375	-	4	-	30	12-26
350	502	520	470	435	-	4	-	34	16-26
400	572	580	525	485	-	4	-	36	16-30
450	610	640	585	545	-	4	-	40	20-30
500	660	705	650	608	-	5	-	440	20-34
600	711	840	770	718	-	5	-	48	20-41
700	787	910	840	788	-	5	-	50	20-41
800	900	1020	950	898	-	5	-	52	24-41
900	1000	1120	1050	998	-	5	-	54	28-41
1000	1100	1255	1170	1110	-	5	-	56	28-42
PN2.5MPa									
50	178	160	125	100	-	3	-	20	4-18
65	190	180	145	120	-	3	-	22	8-18
80	203	195	160	135	-	3	-	22	8-18
100	229	230	190	160	-	3	-	24	8-23
125	254	270	220	188	-	3	-	28	8-26
150	267	300	250	218	-	3	-	30	8-26
200	292	360	310	278	-	3	-	34	12-26
250	330	425	370	332	-	3	-	36	12-30
300	502	485	430	390	-	4	-	40	16-30
350	572	550	490	448	-	4	-	44	16-34
400	610	610	550	505	-	4	-	48	16-34
450	660	660	600	555	-	4	-	50	20-34
500	711	730	660	610	-	5	-	52	20-41
600	787	840	770	718	-	5	-	56	20-41
700	900	955	875	815	-	5	-	60	24-48
800	1000	1070	990	930	-	5	-	64	24-48
900	1100	1180	1090	1025	-	5	-	66	28-48
1000	1200	1305	1210	1140	-	5	-	68	28-58



SOFT SEAL CENTER LINE

BUTTERFLY VALVE

软密封中线蝶阀

科源阀门 KEYUAN VALVE

主要特点与用途

阀体通道全衬橡胶、蝶板采用球铁镀铬、球铁衬塑、不锈钢、铜合金等耐腐蚀材料，因此阀门适用于石化、电力、冶金、化工和城建各领域的净水、污水、海水及腐蚀性介质等管道系统，作启闭与调节流量用。软密封中线蝶阀，双向密封，可任意方向安装，不受介质流向限制。可以任何位置安装，结构尺寸短、体积小、重量轻，节省安装空间。全通径设计，流线型蝶板自动定心，密封性好，最流阻最小的蝶阀。阀座有靠背式衬胶和模压整体硫化衬胶两种形式。靠背式衬胶阀座便于在磨损后更换，整体硫化型受压下不移位，确保了阀门的密封性能。阀门有通用法兰式、对夹式和凸耳对夹式二种连接方式；有手柄驱动、蜗轮手动、电动及气动等各种驱动方式可供用户选择。选用电动蝶阀应在合同中详细注明电动装置的性能要求；选用气动蝶阀应在合同中注明所需配件明细，气动装置有电磁换向阀、气源三联件、信号盒、手动机构、定位器等配件可供选择。

Main Features and Uses

Valve body is lined with rubber, the disc is made of chrome-plated ductile iron, ductile iron lining, stainless steel, copper alloy and other corrosion-resistant materials, so the valves are suitable for petrochemical, power, metallurgy, chemical and urban construction. And corrosive media and other piping systems, for opening and closing and regulating flow. Soft sealed center butterfly valve, two-way seal, can be installed in any direction, not subject to the flow of media restrictions. Can be installed in any location, structural size is short, small size, light weight, saving installation space. Full diameter design, streamlined butterfly plate centering, sealing, flow resistance is the smallest butterfly valve. The seat has a back-lined rubber and molded vulcanized rubber lining two forms. Backseat type rubber seat for easy replacement in the wear and tear, the overall curing type under pressure does not shift to ensure that the valve seal performance. Valves are universal flange type, clip-on and lug-to-clip two kinds of connections; a handle drive, worm wheel manual, electric and pneumatic and other drive options available to users. Selection of electric butterfly valve should be specified in the contract in detail the performance requirements of electric devices; pneumatic valve should be used in the contract specified in the details of accessories, pneumatic devices have electromagnetic valve, air source triple, signal box, manual mechanism, positioning And other accessories to choose from.

产品标准 Product Standards

设计与制造 Design and manufacturing	结构长度 Structure length	法兰连接尺寸 Flange connection dimensions	试验与检验 Test and inspection
GB/T12238	GB/T12221	GB/T17241.6 GB/T 9113	GB/T 13927

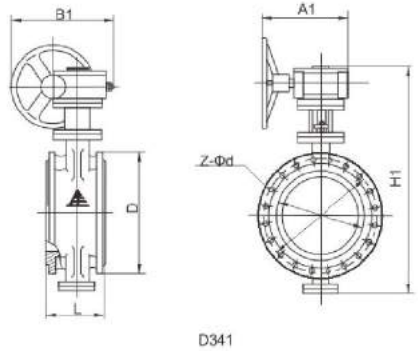
密封材料选用和适用温度 Sealing Material Selection and Use of Temperature

材料品种 Material variety	氯丁橡胶 CR	丁腈橡胶 NBR	乙丙橡胶 EPDM	聚四氟乙烯 PTFE	硅橡胶 Silicone Rubber	氟橡胶 FPM	耐热乙丙 EPDM
代号 Code	X4 (XA或JA)	X5 (X或J)	X3 (XB或JB)	F	XD或JD	X7 (XE或JE)	X9
耐最高温度 Maximum temperature	100°C	100°C	120°C	200°C	250°C	200°C	180°C
耐最低温度 lowest temperature	-25°C	-20°C	-40°C	-190°C	-70°C	-200°C	-180°C
适用工作温度 proper temperature	≤65°C	≤80°C	≤100°C	≤180°C	≤160°C	≤180°C	≤150°C

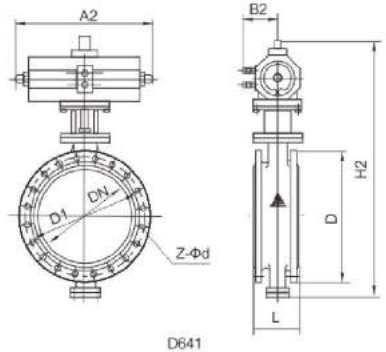
主要零部件及适用范围 Main Components and Scope of Application

零件名称 Part Name	材料 material	适用介质 Applicable media	适用温度 proper temperature
阀体 Body	灰铸铁、球墨铸铁、铸钢、不锈钢 Gray cast iron, ductile iron, cast steel, stainless steel	空气、水、污水、蒸汽、煤气、油品等 Air, water, sewage, steam, gas, Oil and so on	根据密封材料选用 According to the sealing material selection
蝶板 Butterfly plate	灰铸铁、球墨铸铁、铸钢、不锈钢及特殊材料 Gray cast iron, ductile iron, cast steel, stainless steel and special materials		
密封圈 Sealing ring	各种橡胶、聚四氟乙烯 All kinds of rubber, Teflon		
阀杆 Stem	碳钢、不锈钢 Carbon steel, stainless steel		
填料 filler	O型圈、柔性石墨 O-ring, flexible graphite		

D3(6/9)41J/X-10(16)C.Q.P.R



D341



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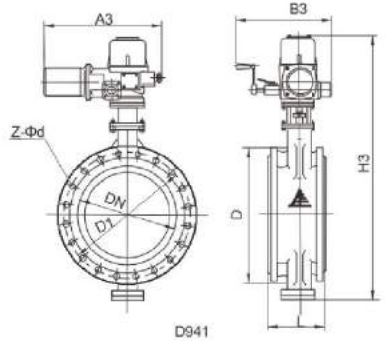


D941

D41J/X-10(16)C.P.Q.Z主要外形与连接尺寸 Main Shape and Connection Dimensions

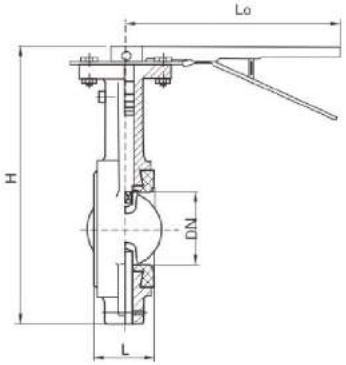
DN (mm)	外形尺寸 Dimensions					法兰连接尺寸 Flange connection dimensions					
						PN1.0MPa			PN1.6MPa		
	L	H	H0	A	B	D	D1	Z-Φd	D	D1	Z-Φd
50	108	88	238	270	65	165	125	4-18	165	125	4-18
65	112	93	258	270	65	185	145	4-18	185	145	4-18
80	117	100	278	270	65	200	160	8-18	200	160	8-18
100	127	110	293	270	65	220	180	8-18	220	180	8-18
125	140	125	309	270	65	250	210	8-18	250	210	8-18
150	140	143	363	310	65	285	240	8-22	285	240	8-22
	200	152	170	514	365	290	340	8-22	295	340	8-22

D3(6/9)41J/X-10(16)C.P.Q.Z主要外形与连接尺寸 Main Shape and Connection Dimensions

DN (mm)	外形尺寸 Dimensions										法兰连接尺寸 Flange connection dimensions					
	L	D341X/J			D641X/J			D941X/J			PN1.0MPa			PN1.6MPa		
		H1	A1	B1	H2	A2	B2	H3	A3	B3	D	D1	Z-Φd	D	D1	Z-Φd
50	108	310	125	193	338	180	65	443	125	125	165	125	4-18	165	125	4-18
65	112	333	125	193	358	180	65	463	125	125	185	145	4-18	185	145	4-18
80	114	423	125	193	413	245	72	483	125	125	200	160	8-18	200	160	8-18
100	127	440	125	193	428	245	72	498	125	125	220	180	8-18	220	180	8-18
125	140	455	125	193	444	245	72	682	325	245	250	210	8-18	250	210	8-18
150	140	510	125	193	553	350	93	736	325	245	285	240	8-22	285	240	8-22
200	152	614	165	283	635	350	93	800	325	245	340	295	8-22	340	295	12-22
250	165	680	165	283	745	550	350	895	363	313	395	350	12-22	405	355	12-26
300	178	776	175	334	803	600	350	956	363	313	445	400	12-22	460	410	12-26
350	190	840	175	334	866	600	350	1029	363	313	505	460	16-22	520	470	16-26
400	216	858	210	425	940	600	350	1103	363	313	565	515	16-26	580	525	16-30
450	222	993	210	425	995	750	380	1186	465	439	615	565	20-26	640	585	20-30
500	229	1056	210	425	1058	750	380	1280	546	439	670	620	20-26	715	650	20-33
600	267	1161	20	425	1163	750	380	1321	546	556	780	725	20-30	840	770	20-36
700	430	1328	320	620	1283	750	380	1431	546	556	895	840	24-30	910	840	24-36
800	470	1443	320	620	1398	750	380	1542	546	556	1015	950	24-33	1025	950	24-39
900	510	1543	320	620	1498	1250	380	1800	617	706	1115	1050	28-33	1125	1050	28-39
1000	550	1653	400	620	1608	1500	580	2363	632	706	1230	1160	28-36	1255	1170	28-42
1200	630	1873	400	620	1876	1500	580	2583	632	706	1455	1380	32-39	1485	1390	32-48
1400	710	2310	1000	925							1675	1590	36-42	1685	1590	36-48
1600	790	2595	1000	925							1915	1820	40-48	1930	1820	40-56
1800	870	2810	1100	980							2115	2020	44-48	2130	2020	44-56
2000	950	3100	1100	980							2325	2230	48-48	2345	2230	48-62

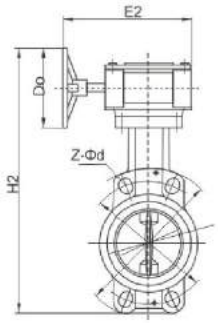
D/LD3(6/9)71J/X-10(16)C.P.Q.Z

防结露蝶阀
Anti - condensation butterfly valve

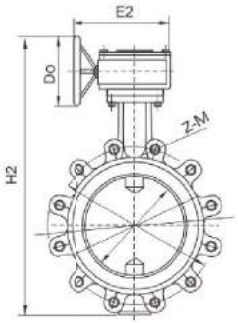


D71

不锈钢四氟蝶阀
Stainless steel PTFE butterfly valve

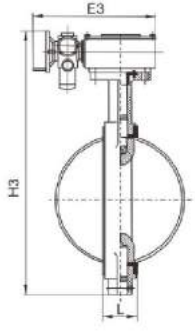


D371

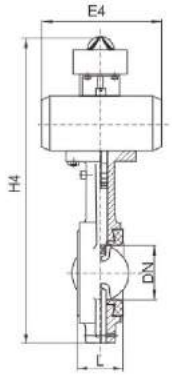


LD371

电动蝶阀
Electric butterfly valve



D971



D671

D/LD3(7/9)1J/X-10(16)C.P.Q.Z主要外形与连接尺寸 Main Shape and Connection Dimensions

DN	PN	法兰连接尺寸 Flange connection dimensions					外形尺寸 Dimensions		
		D	D1	D2	Z-Φd	凸耳式螺孔Z-M	L	Lo	H1
50	10/16	165	125	99	4-18	4-M16	43	270	270
65	10/16	185	145	118	4-18	4-M16	46	270	295
80	10/16	200	160	132	8-18	8-M16	46	270	305
100	10/16	220	180	156	8-18	8-M16	52	270	340
125	10/16	250	210	184	8-18	8-M16	56	310	370
150	10/16	285	240	211	8-22	8-M20	56	310	395
200	10	340	295	266	8-22	8-M20	60	370	475
	16	340	295	266	12-22	12-M20	60	370	475

D/LD3(6/9)71J/X-10(16)C.P.Q.Z主要外形与连接尺寸 Main Shape and Connection Dimensions

DN	PN	法兰连接尺寸 Flange connection dimensions					外形尺寸 Dimensions						
		D	D1	D2	Z-Φd	凸耳式螺孔Z-M	L	蜗轮手动			电动		手动	
								Do	E2	H2	E3	H3	E4	H4
50	10/16	165	125	99	4-18	4-M16	43	150	193	360	125	490	180	370
65	10/16	185	145	118	4-18	4-M16	46	10	193	385	125	515	180	395
80	10/16	200	160	132	8-18	8-M16	46	150	193	395	125	525	245	440
100	10/16	220	180	156	8-18	8-M16	52	150	193	430	125	560	245	475
125	10/16	250	210	184	8-18	8-M16	56	150	193	460	245	760	245	505
150	10/16	285	240	211	8-22	8-M20	56	150	193	485	245	785	350	665
200	10	340	295	266	8-22	8-M20	60	220	283	630	245	900	350	775
	16	340	295	266	12-22	12-M20	60	220	283	630	245	900	350	775
250	10	395	350	319	12-22	12-M20	68	220	283	690	313	990	350	844
	16	405	355	319	12-26	12-M24	68	220	283	690	313	990	600	860
300	10	445	400	370	12-22	12-M20	78	220	334	770	313	1045	600	890
	16	460	410	370	12-26	12-M24	78	280	334	770	313	1045	600	890
350	10	505	460	429	16-22	16-M20	78	280	334	830	313	1115	600	950
	16	520	470	429	16-26	16-M24	78	280	334	830	313	1115	600	950
400	10	565	515	480	16-26	16-M24	102	320	425	910	313	1170	600	1005
	16	580	525	480	16-30	16-M27	102	320	425	910	439	1196	750	1025
450	10	615	565	530	20-26	20-M24	114	320	425	958	439	1236	750	1070
	16	640	585	548	20-30	20-M27	114	320	425	958	439	1236	750	1070
500	10	670	620	582	20-26	20-M24	127	320	425	1045	439	1315	750	1160
	16	715	650	609	20-33	20-M30	127	400	620	1100	556	1360	820	1195
600	10	780	725	682	20-30	20-M27	154	400	620	1215	556	1475	820	1310
	16	840	770	720	20-36	20-M33	154	400	620	1215	556	1475	820	1310

主要特点与用途

1. 阀门用于需要双向密封、频繁启闭、高可靠性要求的管道系统，特别适用于食品、饮料、医药、化工等纯净管路和石化、电力、冶金、交通、大型建筑等领域的重要管道，作启闭或调节介质流量用。
2. 阀门采用高性能复合材料密封副司，或者堆焊合金钢密封副，耐腐蚀、零泄漏、长寿命。独创的浮动阀座结构确保了阀门的双向密封，彻底解决了偏心蝶阀只能单向密封的问题。本阀门既有三偏心蝶阀的所有优点，又具有高可靠的双向密封性能。
3. 阀门有法兰式和通用对夹式及凸耳朵对夹式等连接方式；有蜗轮手动、电动及气动三种驱动方式可供用户选择。选用电动蝶阀应在合同中详细注明电动装置的性能要求；选用气动蝶阀应在合同中注明所需配件明细，气动装置有电磁换向阀、气源三联件、信号盒、手动机构、定位器等配件可选择。

Main Features and Uses

1. Valves are used in piping systems that require two-way sealing, frequent opening and closing, and high reliability. They are especially suitable for the pure pipelines such as food, beverage, medicine, chemical industry, petrochemical, electric power, metallurgy, transportation and large-scale construction. Pipe, for opening and closing or regulating medium flow.
2. Valve using high-performance composite materials sealed Deputy Division, or welding alloy steel seal pair, corrosion-resistant, zero leakage, long life. Original floating seat structure to ensure the two-way valve seal, completely solve the eccentric butterfly valve can only one-way sealing problem. This valve has all the advantages of three eccentric butterfly valve, but also has a high reliability of the two-way sealing performance.
3. Valve flange and the general-to-folder and comex ear-to-clip and other connections; a worm gear manual, electric and pneumatic three drive options available to users. Selection of electric butterfly valve should be specified in the contract in detail the performance requirements of electric devices; pneumatic valve should be used in the contract specified in the details of accessories, pneumatic devices have electromagnetic valve, air source triple, signal box, manual mechanism, positioning And other accessories can be selected.

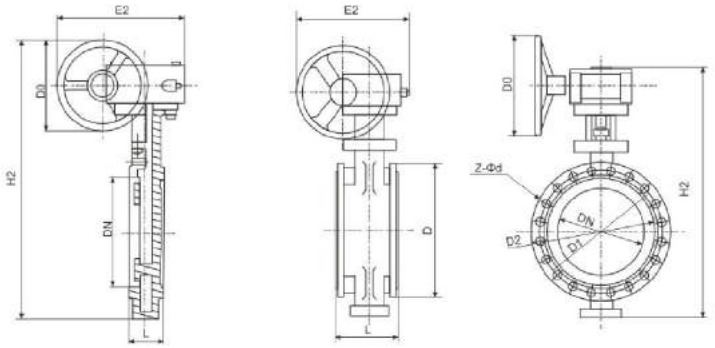
产品标准 Product Standards

设计与制造 Design and manufacturing	结构长度 Structure length	法兰连接尺寸 Flange connection dimensions	试验与检验 Test and inspection
GB/T 12238 GB/T 8527	GB/T 12221	GB/T 9113	GB/T 13927

主要零部件材料及适用范围 Main Parts Materials and Scope of Application

适用介质 Applicable media	水、蒸汽、油品等 Water, steam, oil and so on		腐蚀性介质、纯净介质 Corrosive media, pure media	
适用温度 proper temperature	≤200°C			
材料 Material				
阀体 Body	铸钢 Cast steel		不锈钢 stainless steel CF8(CF8M)	
蝶板 Butterfly plate			不锈钢 stainless steelCF8(CF8M)	
密封圈 Sealing ring	高性能复合材料 High Performance Composites	密封面堆焊 Sealing surface welding	G型-高性能复合材料 High Performance Composites	H型-不锈钢 stainless steel 304(316)
阀杆 Stem	不锈钢 stainless steel (2Cr13)		不锈钢 stainless steel 304(316)	
填料 filler	柔性石墨 Flexible graphite		柔性石墨，聚四氟乙烯 Flexible graphite, polytetrafluoroethylene	

D3(6/9)4(7)5G(H)-10(16/25)C.P.R



主要特点与用途 Main Features and Uses

DN (mm)	外形尺寸 Dimensions					法兰连接尺寸 Flange connection dimensions								
	L		H2	E2	D0	PN1.0MPa			PN1.6MPa			PN2.5MPa		
	对夹	法兰				D	D1	Z-Φd	D	D1	Z-Φd	D	D1	Z-Φd
50	43	108	418	185	160	165	125	4-18	165	125	4-18	165	125	4-18
65	46	112	446	185	160	185	145	4-18	185	145	4-18	185	145	8-18
80	49	114	453	185	160	200	160	8-18	200	160	8-18	200	160	8-18
100	56	127	475	185	160	220	180	8-18	220	180	8-18	235	190	8-22
125	64	140	522	185	160	250	210	8-18	250	210	8-18	270	220	8-26
150	70	140	592	280	230	285	240	8-22	285	240	8-22	300	250	8-26
200	71	152	650	280	230	340	295	8-22	340	295	12-22	360	310	12-26
250	76	165	720	375	300	395	350	12-22	405	355	12-26	425	370	12-30
300	83	178	835	375	300	445	400	12-22	460	410	12-26	485	430	16-30
350	92	190	990	375	300	505	460	16-22	520	470	16-26	555	490	16-33
400	102	216	1060	400	350	565	515	16-26	580	525	16-30	620	550	16-36
450	114	222	1150	400	350	615	565	20-26	640	585	20-30	670	600	20-36
500	127	229	1230	496	400	670	620	20-26	715	650	20-33	730	660	20-36
600	154	267	1440	540	450	780	725	20-30	840	770	20-36	845	770	20-39
700	165	292	1550	540	450	895	840	24-30	910	840	24-36	960	875	24-42
800	190	318	1655	540	450	1015	950	24-33	1025	950	24-39	1085	990	24-48
900		330	1761	590	500	1115	1050	28-33	1125	1050	28-39	1185	1090	28-48
1000		410	2110	590	500	1230	1160	28-36	1255	1170	28-42	1320	1210	28-56

D3(6/9)41W-0.5(1/2.5)C.P.R

主要特点与用途

1. 阀门用于通风除尘管道系统，作双向启闭与调节流量用。
2. 阀门结构简单，性能可靠。可任意方向安装，不受介质流向限制。
3. 阀门分段轴设计，薄型蝶板，是流阻较小的蝶阀。根据泄露量及工作温度的不同要求，有两种密封结构可供选择。

Main Features and Uses

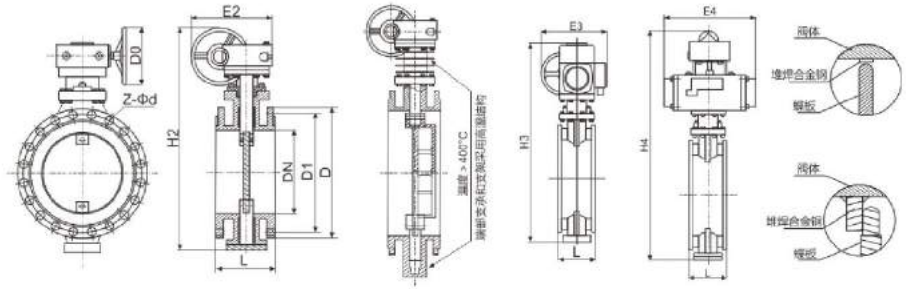
1. Valve for ventilation and dust pipe system for two-way hoist and adjust the flow with.
2. Valve structure is simple, reliable performance. Can be installed in any direction, not subject to media flow restrictions.
3. Valve sub-shaft design, thin disc, is a smaller flow resistance butterfly valve. According to the differert requirements of leakage and operating temperature, there are two seal structure to choose from.

产品标准 Product Standards

设计与制造 Design and manufacturing	结构长度 Structure length	法兰连接尺寸 Flange connection dimensions	试验与检验 Test and inspection
JB/T 8692	GB/T 12221	GB/T 9115	JB/T 8692

主要零部件材料及适用范围 Main Parts Materials and Scope of Application

适用介质	空气，烟气，含尘气体等		高温烟气，含尘气体	腐蚀性烟气，含尘气体
适用温度	≤400℃	≤500℃	≤650℃	≤350℃
泄露量	≤1% - ≤3%			
材料 Material				
阀体	铸钢	钢板焊材 Q345D(16MnRE)	不锈钢 ZG1Cr18Ni9 CF3 CF8 钢板焊接 304 304L	不锈钢 ZG1Cr18Ni9Ti CF3M CF8M 钢板焊接316 316L
蝶板	碳钢	锰钢 Q345D(16MnRE)	不锈钢 1Cr18Ni9 304 304L	不锈钢 1Cr18Ni9Ti 316 316L
阀杆	不锈钢		不锈钢 1Cr18Ni9 304 304L	不锈钢 1Cr18Ni9Ti 316 316L
填料	柔性石墨		夹镍丝编织柔性石墨	柔性石墨 聚四氟乙烯编织填料



主要特点与用途 Main Features and Uses

DN (mm)	法兰连接尺寸 Flange connection dimensions				外形尺寸 Dimensions						
					蜗轮D341W型			电动941W型		气动D641W型	
	L	D	D1	Z-d	D0	E2	H2	E3	H3	E4	H4
50	108	140	110	4-14	150	193	435	15	490	180	443
65	112	160	130	4-14	150	193	440	125	515	180	457
80	114	190	150	4-18	150	193	475	125	525	245	510
100	127	210	170	4-18	150	193	495	125	560	245	540
125	140	240	200	8-18	150	193	535	245	760	245	587
150	140	265	225	8-18	150	193	645	245	785	350	685
200	152	320	280	8-18	220	330	710	245	900	350	775
250	165	375	335	12-18	220	330	765	313	990	350	855
300	178	440	395	12-22	280	350	950	313	1045	600	1000
350	190	490	445	12-22	280	350	1080	313	1110	600	1035
400	190	540	495	16-22	320	496	1170	313	1280	600	1105
450	190	595	550	16-22	320	496	1240	439	1330	750	1180
500	190	645	600	20-22	320	496	1375	439	1460	750	1270
600	210	755	705	20-26	320	496	1590	556	1950	750	1490
700	210	860	810	24-26	400	686	1830	556	2050	750	1720
800	210	975	920	24-30	400	686	2060	730	2280	750	1950
900	250	1075	1020	24-30	400	686	2180	730	2390	1060	2130
1000	250	1175	1120	28-30	400	686	2380	730	2570	1060	2360
1200	250	1375	1320	32-30	400	686	2650	730	2890	1360	2610
1400	300	1575	1520	36-30	500	850	3160	890	3150	1360	2920
1600	300	1790	1730	40-30	500	850	3320	890	3390	2840	3380
1800	300	1990	1930	44-30	500	850	3410	890	3620	2840	3490
2000	300	2190	2130	48-30	500	850	3620	890	3810	3300	3760
2200	350	2405	2340	52-33	500	850	3850	890	4070		
2400	350	2605	2540	56-33	500	850	4070	890	4220		
2600	350	2805	2740	60-33	500	916	4300	890	4490		
2800	400	3030	2960	64-36	500	966	4510	1090	5250		
3000	400	3230	3160	68-36	600	966	4730	1090	5460		
3200	450	3430	3360	72-36	600	966	4980	1090	5710		
3400	450	3630	3560	76-36	600	966	5270	1090	6150		
3600	450	3840	3770	80-36	600	966	5520	1090	6630		
3800	450	4045	3970	80-39	800	1130	6560	1180	7850		
4000	500	4245	4170	84-39	800	1130	7100	1180	8180		
4500	500	4850	4750	92-48	800	1130	7830	1450	8920		
5000	500	5350	5250	96-48	900	1180	8520	1450	9630		
5500	500	5850	5750	100-48	900	1180	9650	1450	10720		
6000	600	6400	6250	108-56	900	1180	10550	1820	11580		

FILTER
过滤器系列

保障每一台阀门都以高品质、
高标准服务于我们的客户，
为您带来更大的汇报价值。

To ensure that each valve with high quality,
High standards of service to our customers,
Bring you greater reporting value.

主要特点
Main Feature

1. 整体式阀体设计
Integral body design
2. 可更换的过滤内件
Replaceable filter elements
3. 多种过滤结构设计
Avariety of filter structure design
4. 滤网精度18～500目可选
Filter accuracy of 18 to 500 mesh optional
5. 常规30目设计
Conventional 30 mesh design
6. 双排放接口
Dual-discharge interface
7. 标准法兰连接
Standard flange connection

产品性能规范

产品规范 Product Specification

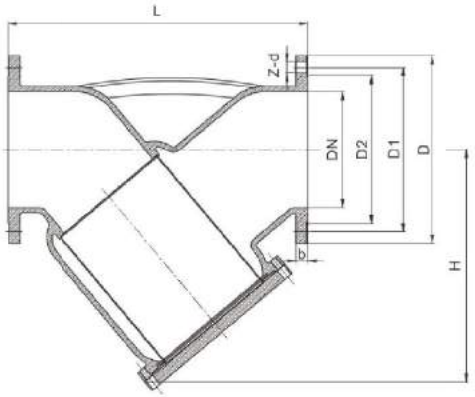
设计规范 Design specifications	结构长度 Structure length	连接法兰 Connection flange	试验与检验 Test and inspection	产品标识 Product identification	供货规范 Specifications
HG/T21637	GB/T12221	JB/T 79	GB/T 9092	GB/T12220	JB/T 7928

产品性能规范 Product Performance Specification

连接方式 Connection method	公称压力 Nominal pressure	耐压试验压力 Pressure test pressure	工作压力 Working pressure	壳体材料 Shell material	过滤网材料 Filter material	网眼总面积 Total area of mesh
法兰 Flange	1.0	1.1	1.0	灰铸铁 Grey cast iron	不锈钢 stainless steel	3-4DN
法兰 Flange	1.6	1.76	1.6	球墨铸铁 Ductile iron		
法兰 Flange	2.5	2.75	2.5	碳钢 Carbon steel		

主要零部件材料 Main Parts Materials

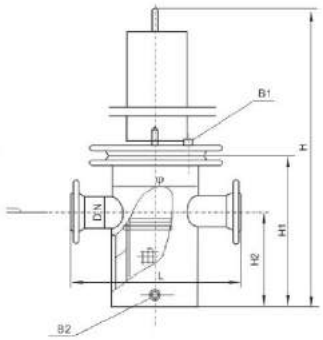
零件名称 Part Name	零部件材料 Parts and materials					
阀体/阀盖 Body / bonnet	25	WCB	CF8	CF8M	CF3	CF3M
网架 Grid	25	35	0Cr18Ni9	0Cr18Ni12Mo2	00Cr18Ni10	00Cr17Ni14Mo2
滤网 Filter	1Cr18Ni9Ti		1Cr18Ni9Ti		00Cr18Ni10	
垫片 Gaskets	18-8柔性石墨					
螺栓 bolt	35		1Cr12Ni12Cr		1Cr18Ni9Ti	
适用温度 proper temperature	-29~+425°C		-40~+200°C		-40~+200°C	
适用介质 Applicable media	水、油品、蒸汽 Water, oil, steam		硝酸类 Nitric acid		醋酸类 Acetic acid	

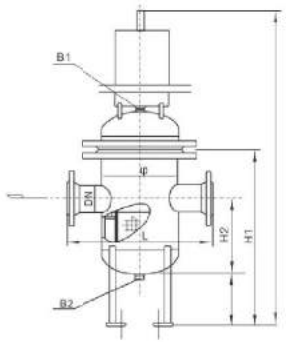


主要外形和连接尺寸 Main Profile and Connection Dimensions SY4H-16C

DN(mm)	L	D	D1	D2	b	z-d	H
15	140	95	65	45	16	4-14	60
20	150	105	75	58	18	4-14	70
25	160	115	85	68	18	4-14	80
32	180	140	100	78	18	4-18	95
40	200	150	110	88	18	4-18	110
50	220	165	125	102	18	4-18	130
65	260	185	145	122	18	8-18	150
80	310	200	160	132	22	8-18	280
100	325	220	180	156	22	8-18	320
125	350	245	210	185	22	8-18	357
150	480	285	240	212	24	8-22	374
200	600	340	295	268	26	12-22	515
250	650	405	355	320	28	12-26	542
300	750	460	410	378	30	12-26	570
350	850	520	470	470	30	16-26	650
400	1010	580	525	480	32	16-30	695

BASKET FILTER
篮式过滤器





主要外形和连接尺寸 Main Profile and Connection Dimensions

产品型号 Product number	DN	L	H	H1	H2	Φ	B1排放口 Discharge port			有效过滤面积 Effective Filtration Area(m^2)	WT (kg)
							I	II	III		
SD34C-J16 SD34C-J25 SD34C-J40	25	220	520	110	70	76	R1/2"	DN20 突面 Raised face RF	DN20 凸面 Convex M	0.003619	12.5
	32	220	525	110	70	76				0.003619	16.8
	40	280	630	120	100	114				0.005718	24
	50	280	630	120	100	114				0.005718	29
	65	330	750	160	110	140				0.009613	40
	80	340	860	180	140	168				0.001539	55
SD34S-J20 SD34S-J50	100	420	1040	220	170	219	R3/4"			0.02464	103
	150	500	1375	310	220	273				0.04866	181
	200	560	1560	390	280	325				0.07858	210
	250	660	1770	480	320	426				0.12065	290
	300	750	2000	640	400	478				0.16537	388

产品型号 Product number	DN	L	H	H1	H2	Φ	B1排放口 Discharge port			有效过滤面积 Effective Filtration Area(m^2)	WT (kg)
							I	II	III		
SD44C-J16 SD44C-J25 SD44C-J40	200	560	2005	390	280	325	R3/4"	DN20 突面 Raised face RF	DN20 凸面 Convex M	0.07858	292
	250	660	2320	480	320	426				0.12065	415
	300	750	2870	640	400	480				0.16537	596
	350	800	3305	770	450	500	R1"			0.2225	707
SD44S-J20 SD44S-J50	400	840	3675	780	520	550				0.2916	811
	450	960	4070	980	600	600				0.3642	1264
	500	1080	4235	1090	650	700				0.458	1589

FREE FLOAT TYPE TRAP
自由浮球式疏水阀

产品说明 Product Manual

CS41H-16、CS41H-16C、CS41-25、CS41-40 型自由浮球式蒸汽疏水阀：法兰连接、浮球式结构形式，阀座密封面材料为 Cr13 系不锈钢，公称压力 PN16~PN40，阀体材料为铸铁（CS41H-16）、碳钢（CS41H-16C、CS41-25、CS41-40）的蒸汽疏水阀。用于蒸汽加热设备、蒸汽管网和凝结水回收系统，它能迅速、自动、连续地排除凝结水，有效地阻止蒸汽泄漏。

工作原理：自由浮球式蒸汽疏水阀利用浮力原理，浮球根据凝结水量的多少，随水位的变化而作升降，自动调节阀座孔的开度，连续排放凝结水，当凝结水停止进入时，浮球降的底部，回到关闭位置，排水停止，由于排水阀座孔总是在凝结水位以下，形成水封、水、气自然分离，达到无蒸汽泄漏。

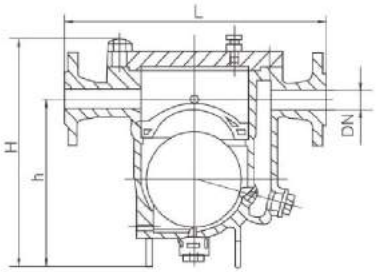
产品特点：①能拓饱和凝结水，回执设备内不含有水先积聚，从而获得最高的加热效率。②蒸汽压力变化时，不受影响，能连续工作性能稳定。③漏汽变幻无常小，采用先进研磨工艺制造，浮球精度高，密封性能好。④自动排空气性能好。⑤寿命长，浮球的整个球面都可以做密封面，无集中磨损。

CS41H-16, CS41H-16C, CS41-25, CS41-40-type free float steam trap: flange connection, float type structure, seat sealing surface material is Cr13 series stainless steel, nominal pressure PN16 ~ PN40, The valve body material is cast iron (CS41H-16), carbon steel (CS41H-16C, CS41-25, CS41-40) steam traps. For steam heating equipment, steam pipe network and condensate recovery system, it can quickly, automatically and continuously exclude condensate, effectively prevent steam leakage.

How it works: Free float steam traps The use of buoyancy principle, according to the amount of float water float, with the water level changes for the lift, automatically adjust the seat hole opening, continuous discharge condensate, when the condensate stops entering , The bottom of the float down to return to the closed position, drainage stop, because the drainage valve seat hole is always below the condensing water level to form a water seal, water, natural gas separation to achieve no steam leakage.

Features: ① can expand the saturated condensate, the receipt device does not contain water within the first accumulation, so as to obtain the highest heating efficiency. ② steam pressure changes, is not affected, can work continuously and stable performance. ③ leakage of volatile impermanence, the use of advanced grinding process, high precision float, sealing performance. ④ automatic exhaust air performance. ⑤ long life, the ball can do the whole spherical sealing surface, no concentration of wear and tear.

CS41H-16~40 C, P, R



主要零件材料 Main Parts Materials

型号 model	阀体材料 Body material
CS41H-16	铸铁
CS41H-16C	碳钢
CS41H-25	碳钢
CS41H-40	碳钢

产品性能参数 Product Performance Parameters

型号 model	PN	工作压力 MPa Working pressure MPa	适用温度 ℃ proper temperature ℃	适用介质 Applicable media
CS41H-16	16	1.6	≤200	水、蒸汽
CS41H-16C	16	1.6	≤425	水、蒸汽
CS41H-25	25	2.5	≤350	水、蒸汽
CS41H-40	40	4.0	≤425	水、蒸汽

主要外形尺寸 Main Dimensions

CS41H-16			CS41H-16(Ⅱ)	
DN	15	20	DN	25
D	170	200	L	310
H	127	142	H	240
h	80	90	h	178
重量WT/kg	3.5	4.5	重量WT/kg	15

主要外形尺寸 Main Dimensions

CS41H-16C CS41H-40(Ⅰ)				CS41H-16C CS41H-40(Ⅱ)			
DN	15	20	25	DN	25	40	50
L	230	230	230	D	320	320	320
H	220	220	220	H	295	295	295
h	150	150	150	h	210	210	210

主要外形尺寸 Main Dimensions

CS41H-16C CS41H-40(Ⅲ)				CS41H-16C CS41H-40(Ⅳ)		
DN	50	65	80	DN	80	100
L	430	430	430	D	580	580
H	410	410	410	H	540	540
h	290	290	290	h	390	390

产品排水量表（过冷度为6℃时的连续排量）Product Displacement Table (Continuous Displacement at Subcooling of 6 ° C)

工作压差 Working pressure/MPa		0.05	0.1	0.2	0.5	0.8	1.2	1.6
排水量 Displacement	CS41H-16	160	230	300	—	—	—	—
		110	160	250	360	—	—	—
		90	130	200	280	290	—	—
		50	80	120	180	210	260	—
		40	50	80	140	170	210	260
	CS41H-16Ⅱ (Φ120)	1400	2000	2800	—	—	—	—
		1000	1300	1800	3100	—	—	—
		800	1000	1400	2500	3500	—	—
		600	800	1100	2000	2900	3800	—
		500	600	900	1800	2600	3300	3800

产品排水量表 Product Displacement Table

工作压差 Working pressure/MPa		0.05	0.1	0.2	0.5	0.8	1.2	1.6
排水量 Displacement	产品代号 product code Ⅰ (Φ68)	180	210	280	450	560	620	660
	产品代号 product codeⅡ (Φ120)	500	600	900	1800	2600	3300	3800
	产品代号 product codeⅢ (Φ190)	2820	4200	5080	7000	8530	10200	12100
	产品代号 product codeⅣ (Φ220)	4200	6800	8500	10270	12400	15800	18500

产品排水量表 Product Displacement Table

工作压差 Working pressure/MPa		0.03	0.5	1.2	1.6	2.0	2.4	3.0	3.6	4.0
排水量 Displacement	产品代号 product code Ⅰ (Φ68)	100	270	380	440	480	520	580	610	630
	产品代号 product codeⅡ (Φ120)	400	1100	1620	1900	2100	2280	2560	2780	2900
	产品代号 product codeⅢ (Φ190)	1060	2770	4250	4900	5400	5920	6550	7050	7300
	产品代号 product codeⅣ (Φ220)	1530	4160	6430	7520	8450	9000	10000	10800	11200

REGULAT
调节阀系列

保障每一台阀门都以高品质、
高标准服务于我们的客户，
为您带来更大的汇报价值。

To ensure that each valve with high quality.
High standards of service to our customers.
Bring you greater reporting value.

三通调节阀结构形式

三通调节阀有3个出入口与管道相连，相当于两台单座阀合成一体。按作用方式分为三通合流调节阀和三通分流调节阀两种。合流调节阀是两种流体通过阀加以混合，例如两种不同温度的流体通过阀混合温度介于前两者之间的流体。这种阀有两个进口和一个出口。分流调节阀是把一种流体通过阀后分成两路，当阀在关闭一个出口的同时就打开了另一个出口，这种阀有一个入口和两个出口。三通分流调节阀三通合流调节

阀三通调节阀中的合流调节阀和分流调节阀的阀芯位置有何不同？

合流调节阀和分流调节阀芯位置不一样，合流调节阀的阀芯位于两阀座之内，分流阀的阀芯位于两阀座之外，这样设计阀芯，可以使流动方向将阀芯处于流开状态，合流调节阀能稳定操作。所以，一般而言，合流调节阀应用于合流的场合，分流调节阀应用于分流的场合。

三通调节阀的使用场合是什么？

1)三通调节阀常用于热交换器的旁路调节，也可以用于简单的配比调节。

2)旁路调节阀是调节热交换器的旁通量来控制其出口流体的温度。

3)三通调节阀装在旁路的入口为分流，装在旁路的出口为合流。

4)合流调节阀的流通能力较分流调节阀的大，调节领命，但应注意温差对阀的影响。

三通调节阀的使用条件

通常三通调节阀在常温下工作，当三通阀应用于高温或者高温差时，由于高温流体通过，引起管子膨胀，使三通阀产生较大的应力而变形，造成连接处损坏和泄漏，尤其在高温差时影响更为严重。一般要求三通阀的温差小于150°C当温差过大可采用两个二通阀来代替一个三通阀。

两通调节阀的实际调节特性

对调节特性的分析，都是以最大流量为基准的，但通常以设计流量为基准，来分析调节阀的调节特性。由于以下原因，设计流量往往不等于系统的最大流量。

1)设备选型过大

调节阀设计选型过程中，要对流量和压力进行理论计算。因只有标准型号的调节阀，有时很难找到在设计压力降下能够达到设计流量下的调节阀。

2)资用压头变化

由于变流量运行，系统集中调节和用户局部调节都会使末端环路的资用压头发生变化，导致末端设备流量发生变化。

1)当两通调节阀与末端设备、管道和附件串联时，其理论调节特性会发生扭曲，扭曲程度用理论阀权度表示。阀权度大于0.5时，扭曲程度不大。

2)在实际供暖空调系统中，调节特性是以设计流量为基准的。此时，由于设备选型过大、系统变流量运行等原因，导致两通调节阀的实际调节特性也发生扭曲，扭曲程度用实际阀权度表示。为达到设计流量和稳定调节，可以采用平衡阀对系统进行调节。

产品概述 Product Description

ZJHP型气动薄膜单座调节阀采用顶导向结构。阀体结构紧凑，流体通道呈S流线型，压降损失小流通量大，可调范围广，流量特性精度高。阀芯导向部分的导向面积大，具有抗振性能强的特点，阀座关闭性能符合GB/T4213-92标准，调节阀配用多弹簧式薄膜执行机构，具有结构小输出力大，更适用于要求可靠性及关闭性能高的高温，低温及阀前后压差不大场合下使用。

ZJHP-type pneumatic film single-seat control valve with the top-oriented structure. The valve body is compact, the flow channel is S streamline, the pressure drop loss of small flow, adjustable range, high flow characteristics and high precision. Valve guide part of the guide area is large, with a strong anti-vibration characteristics of the valve seat closure performance in line with GB / T4213-92 standard, multi-spring-type diaphragm regulator with thin film actuator, with a small output force, more suitable for Requiring high reliability and close the high-temperature, low temperature and pressure before and after the valve is not the occasion to use.

ZJHP/ZJHM

标准技术参数 Standard Technical Parameters

阀 体

型　式：单座型，套筒型
阀尺寸：DN20~200
额定压力：PN16, PN40, PN63, PN100
连接形式：法兰(标准型)螺纹、焊接(须用户指定)
法兰标准：钢制法兰按GB9113-2000, JB/T-94
密封面型式：PN16为凸面
　　PN40, 63, 100为凹凸面
材　料：ZG230~450
　　ZG1Cr18Ni9Ti
　　ZG1Cr18Ni12MoTi
结构形式：标准型(-20°C~+200°C)
　　低温型(-60°C~-196°C)
　　散热型(-40°C~+450°C)
　　波纹管密封型
压盖形式：压板式
填　料：V型聚四氟乙烯填料，柔性石墨填料
垫　片：型式，齿型和平型
　　材料，F4/改性F4，不锈钢+石墨

Body

Type: single-seat, sleeve type
Valve size: DN20 ~ 200
Rated pressure: PN16, PN40, PN63, PN100
Connection: flange (standard) thread, welding (to be user specified)
Flange standard: steel flange according to GB9113-2000, JB / T-94
Sealing surface type: PN16 is convex
　　PN40, 63, and 100 are convex and concave surfaces
Material: ZG230 ~ 450
　　ZG1Cr18Ni9Ti
　　ZG1Cr18Ni12MoTi
Structure: Standard type (-20 ° C ~ +200 ° C)
　　Low temperature (-60 ° C ~ -196 ° C)
　　Heat dissipation (-40 ° C ~ + 450 ° C)
　　Bellows seal type
Gland form: plate type
Filling: V-PTFE packing, flexible graphte packing
Gasket: type, tooth type and peace
　　Material, F4 / modified F4, stainless steel + graphite

阀内组件

阀　芯：单座/套筒柱塞型阀芯
　　金属密封
　　等百分比特性(%C)
　　线性特性(LC)
　　软密封(材料：增强聚四氟乙烯)
　　等百分比特性(%C)
　　线性特性(LC)

执行机构

型　式：多弹簧式薄膜执行机构
　　ZH^{A}_{B}-22,ZH^{A}_{B}-23,ZH^{A}_{B}-45
阀作用：正作用,反作用
膜片材料：丁腈橡胶夹墙强涤纶织物
弹簧量程：20~100KPa,40~200KPa,
　　80~240KPa
供气压力：0.14~0.4MPa
信号接口：内螺纹M16X1.5
环境温度：-30°C-+70°C

阀作用（阀芯正装）

气关式FO(配正作用执行机构)
当气源故障时，执行机构弹簧将阀打开
气开式FC(配反作用执行机构)
当气源故障时，执行机构弹簧将阀关闭

附 件(根据要求配置)

定位器,空气过滤减压阀，手轮机构,限位开关，电磁阀。阀位传送器，继动器，保位阀，其它

性　能

额定Kv值：参照表1
流量特性：线性,等百分比
可调范围：50:1
阀座泄漏率(对于额定Kv值%)
金属密封：小于0.01%(ANSIB16.104-1976IV级)
　　及小于0.001%(为选择项)
软 密 封：小于0.00001%
　　以下(ANSIBI6.104-1976VI级)
回　差：小于全行程的1%　(带定位器)
　　小于全行程的3%~5%　(不带定位器)
基本误差：小于全行程的±1%　(带定位器)
　　小于全行程的±5%　(不带定位器)
外形尺寸：参照表2
油漆颜色：调节阀的气动执行机构和阀的表面应涂漆,不锈钢和铜的阀可不涂漆。阀体上的箭头及文字涂红漆用户指定色彩也可。

Valve assembly

Spool: single seat / sleeve plunger type spool
　　Metal seal
　　Equal percentage characteristics (% C)
　　Linearity (LC)
　　Soft Seal (Material: Reinforced Polytetrafluoroethylene)
　　Equal percentage characteristics (% C)
　　Linearity (LC)

Executive body

Type: multi-spring film actuator
　　ZH^{A}_{B}-22, ZH^{A}_{B}-23, ZH^{A}_{B}-45
Valve role: positive role, the reaction
Diaphragm material: nitrile rubber folder reinforced polyester fabric
Spring range: 20 ~ 100KPa, 40 ~ 200KPa,
　　80~ 240 kPa
Supply pressure: 0.14 ~ 0.4MPa
Signal interface: internal thread M16X1.5
Ambient temperature: -30 ° C - + 70 ° C

Valve action (spool is installed)

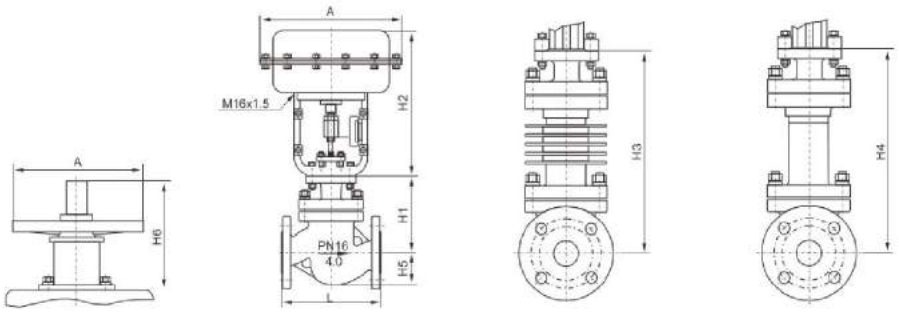
Gas-Off Type FO (Acting Actuator)
When the gas source fails, the actuator spring will open the valve
Gas-open FC (counter-reaction with the executive body)
When the air supply fails, the actuator spring closes the valve

Accessories (on request)

Locator, air filter valve, hand wheel mechanism, limit switches, solenoid valve. Valve position transmitter,
Relay, security valve, the other

Performance

Rated Kv value: refer to Table 1
Flow characteristics: linear, equal percentage
Adjustable range: 50: 1
Seat leakage rate (for rated Kv value%)
Metal seal: less than 0.01% (ANSIB16.104-1976IV grade)
　　And less than 0.001% (as an option)
Soft Seal: less than 0.00001%
　　The following (ANSIBI6.104-1976VI grade)
Hysteresis: less than 1% of full stroke (with positioner)
　　Less than the whole trip 3% to 5% (without locator)
Basic error: less than ± 1% of full stroke (with positioner)
　　Less than ± 5% of full travel (without positioner)
Dimensions: Refer to Table 2
Paint Color: Pneumatic actuator and valve surface of the control valve should be painted, stainless steel and copper valves may not be painted. Arrows and text on the body painted red paint can also specify the color of the user.



顶式手轮 Hand wheel　　标准型 Standard type　　高温散热性 High temperature heat dissipation　　波纹管密封型 Bellows seal type

表1kv值和行程 Table 1 Kv Values and Travel

DN	阀座直径 Seat diameter	额定流量系数 KV Rated flow coefficient KV		执行机构型号 Executive body	膜片有效面积 Effective area of diaphragm(cm^2)	额定行程 Rated travel (mm)
		线性 Linear	等比 Ratio			
20	5	0.2		ZH^{A}_{B}-221	350	10
	7	0.5				
	8	0.8				
	10	1.8	1.6	ZH^{A}_{B}-22	350	16
	12	2.8	2.5			
	15	4.4	4			
	20	6.9	6.3			
25	25	11	10			
32	32	17	16	ZH^{A}_{B}-23	350	25
40	40	27	25			
50	50	44	40			
65	65	69	63	ZH^{A}_{B}-34	560	40
80	80	110	100			
100	100	176	160			
125	125	275	250	ZH^{A}_{B}-45	900	60
150	150	440	400			
200	200	690	630			

表2主要外形尺寸 Table 2 Main Dimensions

DN	L		A	H1		H2	H3		H4		H5		C	H6
	PN16/40	PN63/100		PN16/40	PN63/100		PN16/40	PN63/100	PN16/40	PN63/100	PN16/40	PN63/100		
20	150	230	285	126	138	271	286	298	286	298	43	49	220	180
25	160	230	285	126	138	271	286	298	286	298	48	54	220	180
32	180	600	285	134	142	297	302	310	302	310	57	61	220	180
40	200	260	285	157	165	297	325	333	325	333	66	70	220	180
50	230	300	285	167	187	297	335	345	335	345	80	84	220	180
65	290	340	360	199	204	375	437	442	437	442	92	97	265	240
80	310	380	360	214	219	375	452	457	452	457	100	105	265	240
100	350	430	360	229	240	375	467	478	467	478	120	125	265	240
125	400	500	470	263	280	455	524	541	654	671	134	138	315	304
150	480	550	470	293	300	455	554	561	684	691	156	163	315	304
200	600	650	470	358	364	455	619	625	749	755	199	206	315	304

产品概述 Product Description

ZM^{AQ}_{BX}型气动薄膜S三通调节阀主要用于将一股进口流体分成二股出口流体或者二股进口流体合成一股出口流体。三通分为（ZM^{A}_{B}Q）合流调节阀，（ZM^{A}_{B}X）分流调节阀。阀尺寸，压差较小时合流阀也可以作为分流阀用，但阀尺寸大，压差高的场合请勿用分流阀。

ZM^{AQ}_{BX}pneumatic membrane S three-way control valve is mainly used for an inlet fluid is divided into two export fluid or two shares of imported fluid synthesis of an export fluid. Three links into (ZM^{A}_{B}Q) confluence control valve, (ZM^{A}_{B}X) shunt regulating valve. Valve size, a small pressure difference when the confluence valve can also be used as a diversion valve, but the valve size, high pressure applications do not use the shunt valve.

ZMAQ(X)/ZMBQ(X)

标准技术参数 Standard Technical Parameters

种　类

ZM^{A}_{B}Q(合流三通调节阀)

ZM^{A}_{B}X(分流三通调节阀)

阀　体

型　式：三通铸造球形阀

阀尺寸：DN25~200

额定压力：PN16, PN40

连接形式：法兰

法兰标准：钢制法兰按GB9113-2000, JB/T-94

密封面型式：PN16为凸面

PN40为凹凸面

材　料：ZG230~450

ZG1Cr18Ni9Ti

ZG1Cr18Ni12MoTi

结构形式：标准型(-20℃~+200℃)

合流型合流场合

分流型分流场合

散热型(-40℃~+450℃)

波纹管密封型(-40℃~+350℃)

压盖形式：压板式

填　料：V型聚四氟乙烯填料，柔性石墨填料

垫　片：型式，齿型和平型

材料，F4/改性F4，不锈钢+石墨

Species

ZM^{A}_{B}Q (combined three-way control valve)

ZM^{A}_{B}X (split three-way valve)

Body

Type: Tee casting ball valve

Valve size: DN25 ~ 200

Rated pressure: PN16, PN40

Connection: flange

Flange standard: steel flange according to GB9113-2000, JB / T-94

Sealing surface type: PN16 is convex

PN40 is a concavo-convex surface

Material: ZG230 ~ 450

ZG1Cr18Ni9Ti

ZG1Cr18Ni12MoTi

Structure: Standard type (-20 ° C ~ + 200 ° C)

Confluence

Shunt type shunt occasions

Heat dissipation (-40 ° C to + 450 ° C)

Bellows sealed (-40 ° C to + 350 ° C)

Gland form: plate type

Filling: V-PTFE packing, flexible graphite packing

Gasket: type, tooth type and peace

Material, F4 / modified F4, stainless steel + graphite

阀内组件

阀　芯：三通线性或抛物线V形缺口阀芯

执行机构

型　式：多弹簧式薄膜执行机构
ZH^{A}_{B}-22,ZH^{A}_{B}-23,ZH^{A}_{B}-34,ZH^{A}_{B}-45

阀 作 用：正作用,反作用

膜片材料：丁腈橡胶夹增强涤纶织物

弹簧量程：20~100KPa,40~200KPa,
80~240KPa

供气压力：0.14~0.4MPa

信号接口：内螺纹M16X1.5

环境温度：-30°C-+70°C

阀作用（阀芯正装）

气关式FO(配正作用执行机构)

当气源故障时，垂直方向通

气开式FC(配反作用执行机构)

当气源故障时，水平方向通

附 件(根据要求配置)

定位器,空气过滤减压阀，手轮机构,限位开关，电磁阀。阀位传送器，继动器，保位阀，其它

性　能

额定Kv值：参照表1

流量特性：线性,等百分比

可调范围：30:1

阀座泄漏率(对于额定Kv值%)

金属密封：小于0.01%或0.001%(ANSIB16.104-1976IV级)

回　差：小于全行程的1%(带定位器)
小于全行程的3%~5%(不带定位器)

基本误差：小于全行程的±1%　(带定位器)
小于全行程的±5%　(不带定位器)

外形尺寸：参照表2

油漆颜色：调节阀的气动执行机构和阀的表面应涂漆,不锈钢和铜的阀可不涂漆。阀体上的箭头及文字涂红漆用户指定色彩也可。

Valve assembly

Spool: Three-way linear or parabolic V-notch spool

Executive body

Type: multi-spring film actuator
ZH^{A}_{B}-22, ZH^{A}_{B}-23, ZH^{A}_{B}-34, ZH^{A}_{B}-45

Valve role: positive role, the reaction

Diaphragm material: nitrile rubber folder reinforced polyester fabric

Spring range: 20 ~ 100KPa, 40 ~ 200KPa,
80 ~ 240 kPa

Supply pressure: 0.14 ~ 0.4MPa

Signal interface: internal thread M16X1.5

Ambient temperature: -30 ° C - + 70 ° C

Valve action (spool is installed)

Gas-Off Type FO (Acting Actuator)

When the gas source fails, the vertical direction

Gas-open FC (counter-reaction with the executive body)

When the gas source fails, the horizontal direction

Accessories (on request)

Locator, air filter valve, hand wheel mechanism, limit switches, solenoid valve. Valve position transmitter,Relay, security valve, the other

Performance

Rated Kv value: refer to Table 1

Flow characteristics: linear, equal percentage

Adjustable range: 30: 1

Seat leakage rate (for rated Kv value%)

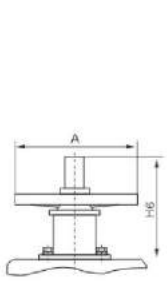
Metal Seal: less than 0.01% or 0.001% (ANSIB16.104-1976 class IV)

Hysteresis: less than 1% of full stroke (with positioner)
Less than the whole trip 3% to 5% (without locator)

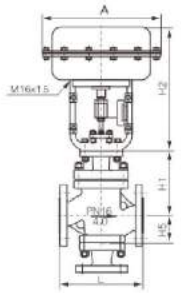
Basic error: less than ± 1% of full stroke (with positioner)
Less than ± 5% of full travel (without positioner)

Dimensions: Refer to Table 2

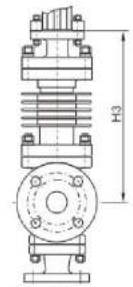
Paint Color: Pneumatic actuator and valve surface of the control valve should be painted, stainless steel and copper valves may not be painted. Arrows and text on the body painted red paint can also specify the color of the user.



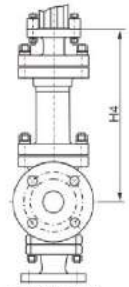
顶式手轮
Hand wheel



标准型
Standard type



高温散热性
High temperature heat dissipation



波纹管密封型
Bellows seal type

表1Kv值和行程 Table 1 Kv Values and Travel

DN	阀座直径 Seat diameter	额定流量系数 KV Rated flow coefficient KV		执行机构型号 Executive body	膜片有效面积 Effective area of diaphragm(cm^2)	额定行程 Rated travel (mm)
		线性 Linear	等比 Ratio			
25	25	8.5	可用合流结构代替	ZH^{A}_{B}-22	350	16
32	32	13		ZH^{A}_{B}-23	350	25
40	40	21				
50	50	34				
65	65	53		ZH^{A}_{B}-34	560	40
80	80	85	85			
100	100	135	135			
125	125	210	210	ZH^{A}_{B}-45	900	60
150	150	340	340			
200	200	535	535			

表2主要外形尺寸 Table 2 Main Dimensions

DN	L	A	H1	H2	H3	H4	H5	C	H6
25	160	285	126	271	286	286	135	220	180
32	180	285	129	297	297	297	145	220	180
40	200	285	147	297	315	315	160	220	180
50	230	285	152	297	320	320	170	220	180
65	290	360	179	375	417	417	190	265	240
80	310	360	189	375	427	427	200	265	240
100	350	360	204	375	442	442	220	265	240
125	400	470	228	455	489	619	280	315	304
150	480	470	268	455	529	659	320	315	304
200	600	470	318	455	579	709	380	315	304

产品概述 Product Description

ZM$^{A}_{B}$S型气动薄膜角形单座调节阀是一种顶导向结构的调节阀，阀体结构紧凑。流路通畅，压降损失小，流量大。阀芯导向面积大，抗震性好，阀座关闭性能符合GB/T4213-92标准。调节阀配用多弹簧式薄膜执行机构，其结构紧凑，输出力大，该阀广泛适用于允许泄漏量小阀前后压差不大场合，控制高粘度介质及含有颗粒的流体和泥浆，闪蒸流体等，可避免结焦、堵塞，便于自净与清洗。PN220、PN320公称压力角形高压调节阀专为易产生气蚀高压系统设计的一种特殊阀门。

ZM$^{A}_{B}$S-type pneumatic diaphragm angle single-seat control valve is a top-oriented structure of the control valve, compact body. Smooth flow, pressure drop of small, large flow. Spool-oriented area, good shock resistance. Seat closure performance in line with GB / T4213-92 standard. The valve is equipped with multi-spring film actuator, its compact structure, the output force, the valve is widely used to allow leakage of small valve before and after the pressure difference is not the occasion, control of high viscosity media and fluid containing particles and mud, Fluid, etc., to avoid coking, plug, easy self-cleaning and cleaning. PN220, PN320 nominal pressure angle high pressure regulating valve designed for easy to produce cavitation high pressure system design of a special valve.

ZMAS/ZMBS

标准技术参数 Standard Technical Parameters

阀 体
型　式：单座型铸造角阀（锻造）
阀尺寸：DN25~200
额定压力：PN16, PN40, PN63, PN220, PN320
连接形式：法兰,焊接
法兰标准：钢制法兰按GB9113-2000, JB/T-94
密封面型式：PN16为凸面
　　PN40, 63为凹凸面
　　PN220, 320为榫槽面
材　料：ZG230~450
　　ZG1Cr18Ni9Ti
　　ZG1Cr18Ni12MoTi
结构形式：标准型(-20°C~+200°C)
　　低温型(-60°C~196°C)
　　散热型(-40°C~+450°C)
　　波纹管密封型
压盖形式：压板式
填　料：V型聚四氟乙烯填料，柔性石墨填料
垫　片：型式，齿型和平型
　　材料，F4/改性F4，不锈钢+石墨

Body
Type: single seat casting angle valve (forging)
Valve size: DN25 ~ 200
Rated pressure: PN16, PN40, PN63, PN220, PN320
Connection: flange, welding
Flange standard: steel flange according to GB9113-2000, JB / T-94
Sealing surface type: PN16 is convex
　　PN40, 63 is a concavo-convex surface
　　PN220, 320 for the tongue and groove surface
Material: ZG230 ~ 450
　　ZG1Cr18Ni9Ti
　　ZG1Cr18Ni12MoTi
Structure: Standard type (-20 ° C ~ + 200 ° C)
　　Low temperature (-60 ° C to -196 ° C)
　　Heat dissipation (-40 ° C to + 450 ° C)
　　Bellows seal type
Gland form: plate type
Filling: V-PTFE packing, flexible graphte packing
Gasket: type, tooth type and peace
　　Material, F4 / modified F4, stainless steel + graphite

阀内组件
阀　芯：单座/套筒柱塞型阀芯
　　金属密封
　　等百分比特性(%C)
　　线性特性(LC)

Valve assembly
Spool: single seat / sleeve plunger type spool
　　Metal seal
　　Equal percentage characteristics (% C)
　　Linearity (LC)

执行机构
型　式：多弹簧式薄膜执行机构
　　ZH$^{A}_{B}$-22,ZH$^{A}_{B}$-23,ZH$^{A}_{B}$-34,ZH$^{A}_{B}$-45
阀 作 用：正作用,反作用
膜片材料：丁腈橡胶夹增强涤纶织物
弹簧量程：20~100KPa, 40~200KPa,
　　80~240KPa

供气压力：0.14~0.4MPa
信号接口：内螺纹M16X1.5
环境温度：-30°C-+70°C

Executive body
Type: multi-spring film actuator
　　ZH$^{A}_{B}$-22, ZH$^{A}_{B}$-23, ZH$^{A}_{B}$-34, ZH$^{A}_{B}$-45
Valve role: positive role, the reaction
Diaphragm material: nitrile rubber folder reinforced polyester fabric
Spring range: 20 ~ 100KPa, 40 ~ 200KPa,
　　80 ~ 240 kPa

Supply pressure: 0.14 ~ 0.4MPa
Signal interface: internal thread M16X1.5
Ambient temperature: -30 ° C - + 70 ° C

阀作用
气关式FO(配正作用执行机构)
当气源故障时，执行机构弹簧将阀打开
气开式FC(配反作用执行机构)
当气源故障时，执行机构弹簧将阀关闭

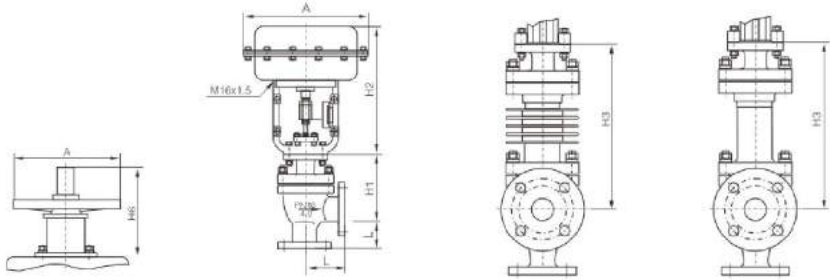
Valve function
Gas-Off Type FO (Acting Actuator)
When the gas source fails, the actuator spring will open the valve
Gas-open FC (counter-reaction with the executive body)
When the air supply fails, the actuator spring closes the valve

附 件(根据要求配置)
定位器,空气过滤减压阀，手轮机构,限位开关，电磁阀。阀位传送器，继动器，保位阀，其它

Accessories (on request)
Locator, air filter valve, hand wheel mechanism, limit switches, solenoid valve. Valve position transmitter,Relay, security valve, the other

性　能
额定Kv值：参照表1
流量特性：线性,等百分比
可调范围：50：1
阀座泄漏率(对于额定Kv值%)
金属密封　小于0.01%(ANSIB16.104-1976IV级)
　　及小于0.001%(为选择项)
回　差：小于全行程的1%　(带定位器)
　　小于全行程的3%~5%　(不带定位器)
基本误差：小于全行程的±1%　(带定位器)
　　小于全行程的±5%　(不带定位器)
外形尺寸：参照表2
油漆颜色：调节阀的气动执行机构和阀的表面应涂漆,不锈钢和铜的阀可不涂漆。阀体上的箭头及文字涂红漆用户指定色彩也可。

Performance
Rated Kv value: refer to Table 1
Flow characteristics: linear, equal percentage
Adjustable range: 50: 1
Seat leakage rate (for rated Kv value%)
Metal seal less than 0.01% (ANSIB16.104-1976IV grade)
　　And less than 0.001% (as an option)
Hysteresis: less than 1% of full stroke (with positioner)
　　Less than the whole trip 3% to 5% (without locator)
Basic error: less than ± 1% of full stroke (with positioner)
　　Less than ± 5% of full travel (without positioner)
Dimensions: Refer to Table 2
Paint Color: Pneumatic actuator and valve surface of the control valve should be painted, stainless steel and copper valves may not be painted. Arrows and text on the body painted red paint can also specify the color of the user.



顶式手轮
Hand wheel

标准型
Standard type

高温散热性
High temperature heat dissipation

波纹管密封型
Bellows seal type

表1kv值和行程 Table 1 Kv Values and Travel

DN	阀座直径 Seat diameter	额定流量系数 KV Rated flow coefficient KV		执行机构型号 Executive body	膜片有效面积 Effective area of diaphragm(cm^2)	额定行程 Rated travel (mm)
		线性 Linear	等比 Ratio			
20	10	1.8	1.6	ZH^{A}_{B}-22	350	16
	12	2.8	2.5			
	15	4.4	4			
	20	6.9	6.3			
25	25	11	10			
32	32	17	16	ZH^{A}_{B}-23	350	25
40	40	27	25			
50	50	44	40			
65	65	69	63	ZH^{A}_{B}-34	560	40
80	80	110	100			
100	100	176	160			
125	125	275	250	ZH^{A}_{B}-45	900	60
150	150	440	400			
200	200	690	630			

表2主要外形尺寸 Table 2 Main Dimensions

DN	L		A	H1		H2	H3		H4		C	H6
	PN16/40	PN63		PN16/40	PN63		PN16/40	PN63	PN16/40	PN63		
20	95	115	285	107	119	271	267	279	267	279	220	180
25	100	115	285	107	119	271	267	279	267	279	220	180
32	105	130	285	114	122	297	282	290	282	290	220	180
40	115	130	285	132	140	297	300	308	300	308	220	180
50	125	150	285	137	157	297	305	315	305	315	220	180
65	145	170	360	164	168	375	402	407	402	407	265	240
80	155	190	360	174	179	375	415	417	412	417	265	240
100	175	215	360	189	200	375	427	438	427	438	265	240
125	200	250	470	213	230	455	474	491	604	621	315	304
150	225	275	470	243	250	455	504	511	634	641	315	304
200	275	325	470	298	304	455	559	565	689	695	315	304

产品概述 Product Description

ZDLP型电动式单座调节阀采用顶导向结构，阀体结构紧凑，流体通道呈S流线型，压降损失小，流通量大，可调范围广，流量特性精度高。阀芯导向部分的导向面积大，具有抗震性能强的特点，阀座关闭性能符合GB/T4213-92标准，调节阀配用接收ON-OFF或4~20mA DC或1~5V的直流信号进行比例动作的小型、坚固、高精度的执行机构，更适用于要求可靠性及关闭性能高的高温，低温及高压场合下适用。

ZDLP electric single-seat control valve adopts the top guide structure, the valve body is compact, the fluid passage is S streamline, the pressure drop is small, the circulation is big, the adjustable range is wide, the flow characteristic is high. Valve guide part of the guide area, with strong seismic performance characteristics, valve seat closure performance in line with GB / T4213-92 standard, the valve is equipped with ON-OFF or receive 4~20mADCor1~5V signal proportional action Of the small, rugged, high-precision actuator, more suitable for demanding reliability and high-performance closed high temperature, low temperature and high pressure applications.

ZDLP/ZDLM

标准技术参数 Standard Technical Parameters

阀 体

型　式：单座型,套筒型
阀尺寸：DN20~200
额定压力：PN16, PN40, PN63, PN100
连接形式：法兰(标准型螺纹),焊接(须用户指定)
法兰标准：钢制法兰按GB9113-2000, JB/T-94
密封面型式：PN16为凸面
　　PN40, 63, 100为凹凸面
材　料：ZG230~450
　　ZG1Cr18Ni9Ti
　　ZG1Cr18Ni12Mo2Ti
压盖形式：压板式
填　料：V型聚四氟乙烯填料，柔性石墨填料
垫　片：型式，齿型和平型
　　材料，F4/改性F4，不锈钢+石墨

Body

Type: single-seat, sleeve type
Valve size: DN20 ~ 200
Rated pressure: PN16, PN40, PN63, PN100
Connection: flange (standard thread), welding (to be user specified)
Flange standard: steel flange according to GB9113-2000, JB / T-94
Sealing surface type: PN16 is convex
　　PN40, 63, and 100 are convex and concave surfaces
Material: ZG230 ~ 450
　　ZG1Cr18Ni9Ti
　　ZG1Cr18Ni12Mo2Ti
Gland form: plate type
Filling: V-PTFE packing, flexible graphite packing
Gasket: type, tooth type and peace
　　Material, F4 / modified F4, stainless steel + graphite

执行机构

型　　式：电动执行机构
381LSA/XA-08, 381LSA/XA-20,
381LSB/XB-30, 381LSB/XB-50,
381LSC-65,
381LSC-99, 381LSC-160
阀 作 用：正作用,反作用
控制动作：比例控制或ON-OFF
输入信号：4~20mADC或1~5VDC须选择输入信号 "断" 时调节阀的位置（保护、全开、全关）
电　　源：AC200V, 50Hz
输出信号：4~20mADC（负载电阻500Ω以下）
功　　耗：A型/50VA，B型/150VA，C型/220VA
保护等级：IP55
出线连接：普通S型G1/2，防爆X型G3/4
环境温度：无空间加热器-10°C~+60°C
有空间加热器-35°C~+60°C
防爆X型　　-10°C~+40°C
环境湿度：普通型S型95%以下，防爆X型45-85%
隔爆等级：ExdIIBT4
过载保护：A、B型任选，C型必配
手动装置：带手柄

Executive body

Type: Electric Actuator
381LSA / XA-08, 381LSA / XA-20,
381LSB / XB-30, 381LSB / XB-50,
381LSC-65,
381LSC-99, 381LSC-160
Valve role: positive role, the reaction
Control action: Proportional control or ON-OFF
Input signal: 4~20mADC or 1~5VDC to select the input signal "off" when the control valvePosition (Protection, Full, Full)
Power supply: AC200V, 50Hz
Output signal: 4 ~ 20mADC (load resstance 500Ω or less)
Power consumption: A type / 50VA, B type / 150VA, C type / 220VA
Protection class: IP55
Outlet connection: General S-type G1/2, explosion-proof X-type G3/4
Ambient temperature: No space Heater -10 ° C ~ + 60 ° C
Space heater available -35 ° C ~ + 60 ° C
Explosion-proof type X -10 ° C ~ +40 ° C
Ambient humidity: common type S 95% or less,
explosion-proof X-type 45-85%
Flameproof rating: ExdIIBT4
Overload protection: A, B-type optional, C-type must be allocated
Manual device: with handle

附 件(根据要求配置)

空间加热器，过载保护

Accessories (on request)

Space heater, overload protection

性　　能

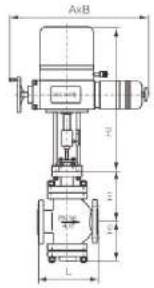
额定Kv值：参照表1
流量特性：线性,等百分比
可调范围：50:1
阀座泄漏率(对于额定Kv值%)
金属密封：小于0.01%(ANSIB16.104-1976IV级)及小于0.001%(为选择项)
软 密 封：小于0.00001%以下(ANSIBI6.104-1976VI级)
基本误差：±1%
回　　差：≤1%
动作时间：参照表1
外形尺寸：参照表2
产品重量：参照表2
接线端子图：参阅所配执行机构使用说明书
油漆颜色：调节阀的气动执行机构和阀的表面应涂漆,不锈钢和铜的阀可不涂漆。阀体上的箭头及文字涂红漆用户指定色彩也可.

Performance

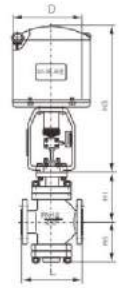
Rated Kv value: refer to Table 1
Flow characteristics: linear, equal percentage
Adjustable range: 50: 1
Seat leakage rate (for rated Kv value%)
Metal seal: less than 0.01% (ANSIB16.104-1976IV grade) and Less than 0.001% (optional)
Soft Seal: Less than 0.00001% The following (ANSIBI6.104-1976VI grade)
Basic error: ± 1%
Backlash: ≤1%
Action time: Refer to Table 1
Dimensions: Refer to Table 2
Product weight: Refer to Table 2
Terminal block diagram: Refer to the instruction manual of the actuator
Paint color: Pneumatic actuator and valve surface of the control valve should be painted, stainless steel and copper valves may not be painted. Arrows and text on the body painted red paint can also specify the color of the user.

ELECTRIC SINGLE SEAT / SLEEVE
REGULATING VALVE
电动单座/套筒调节阀

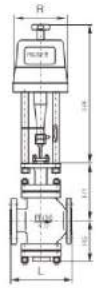
科源阀门 KEYUAN VALVE



配DKZ执行机构
With DKZ implementing agencies



配3810执行机构
With 3810 implementing agencies



配PSL执行机构
With PSL implementing agencies

表1kv值和行程 Table 1 Kv Values And Travel

DN	阀座直径 Seat diameter	额定流量系数 KV Rated flow coefficient KV		执行机构型号 Executive body	输出推力 Output thrust (N)	额定行程 Rated travel (mm)	动作时间 Action time (s)
		线性 Linear	等比 Ratio				
20	5	0.2		381LSA-08	800	10	2.4
	7	0.5					
	8	0.8					
	10	1.8	1.6	381LSA-08/20	800/2000	16	3.8/7.6
	12	2.8	2.5				
	15	4.4	4				
	20	6.9	6.3				
25	25	11	10				
32	32	17	16	381LSB-30/50	3000/5000	25	7.2/14.7
40	40	27	25				
50	50	44	40				
65	65	69	63	381LSB-50/SC-65	5000/6500	40	23.5/14.3
80	80	110	100				
100	100	176	160				
125	125	275	250	381LSC-99/160	10000/16000	60	30/60
150	150	440	400				
200	200	690	630				

表2主要外形尺寸 Table 2 Main Dimensions

DN	L		A	B	D	R	H1		H6		H2	H3	H4	H5	
	PN16/40	PN63/100					PN16/40	PN63/100	PN16/40	PN63/100				PN16/40	PN63/100
20	150	230	460	230	225	177	155	165	171	181	490	373	459	110	140
25	160	230	460	230	225	177	155	165	171	181	490	373	459	110	140
32	180	600	460	230	225	177	175	180	195	200	490	495	459	130	165
40	200	260	460	230	225	177	180	185	200	205	490	495	459	135	170
50	230	300	460	230	225	177	200	205	220	225	490	495	459	145	180
65	290	340	530	230	225	177	235	245	262	272	540	700	520	175	225
80	310	380	530	230	225	177	250	255	277	282	540	700	520	195	245
100	350	430	530	230	225	177	260	270	287	297	540	700	520	210	265
125	400	500	630	260	310	226	330	335	357	362	625	725	570	265	335
150	480	550	630	260	310	226	350	365	377	392	625	725	570	280	360
200	600	650	630	260	310	226	420	430	447	457	625	725	570	345	430