高压平板闸阀

HIGH PRESSURE FLAT GATE VALVE

产品概述 Product Overview

本公司ZF系列注水阀均为高压平板闸阀。结构合理，密封可靠，操作轻便。密封面均喷焊硬质合金，具有防腐、耐磨、耐冲蚀等优点，且可用于节流。尤其适用于工作压力≤42MPa，工作温度≤120℃的水、油、泥浆、天然气管线作控制介质流动的启闭及调节装置。

The ZF series water injecting valves are high pressure flat-plate gate valves. with a reasonable structure, a reliable seal and an easy operation and the sealing face is built-up welded with carbide alloy, features anti-corrosion, anti-wear and anti-erosion and can be used for throttle, especially suitable for the water, oil, mud pulpy, natural gas pipeline as the open-close and adjusting device to control the medium flowing.

主要特征 Main characteristics

- 采用新型平衡浮动阀座，双向启闭，密封副间磨擦力小，使用权寿命长，密封可靠，启闭灵活。
- 闸板下部开有一与流道直径相等的导流孔，阀门全开时平滑为直管线，流阻系数很小，几乎无压力损失，可通球清扫管线。由于闸板始终紧贴在阀座密封面上，保护阀座密封面不受介质冲刷，延长阀门使用寿命。
- 阀座、闸板密封面喷焊硬质合金，耐腐、耐磨、耐冲蚀、使用寿命长。
- 阀杆密封采用复合式密封，密封可靠、磨擦阻力小。
- 阀门为全封闭结构，防止外部杂质进入内腔，有效保护内部零件，延长阀门使用寿命。

- New balanced floating valve seat, two-way opening and closing, small friction between sealing pairs, long service life, reliable sealing, flexible opening and closing.
- A diversion hole with the same diameter as the flow passage is opened at the lower part of the ram. When the valve is fully opened, it is a straight line with small flow resistance coefficient and almost no pressure loss. The pipeline can be cleaned through the ball
- Due to gateThe plate is always close to the sealing surface of the valve seat to protect the sealing surface of the valve seat from medium erosion and extend the service life of the valve.
- The sealing surface of valve seat and ram is spray welded with cemented carbide, which is corrosion-resistant, wear-resistant erosion resistant and has long service life. • The valve rod seal adopts compound seal, reliable seal and small friction resistance
- The valve is a fully enclosed structure, which prevents the external impurities from entering the inner cavity, effectively protects the internal parts and prolongs the service life of the valve.

产品采用标准 Technical specification

设计标准 Design standard		JB/T5298、API 6D
结构长度 Structural length	法 兰 Flanged	GB/T 12221、JB/T 5298
	焊 接 Welded connection	GB/T15188.1
连接法兰 Flanged ends		GB/T9113、JB/T 79、ANSI 16.5a
对焊端 Butt-welding ends		GB/T 12224
试验和检验 Test & inspection		GB/T3927、JB/T 9092

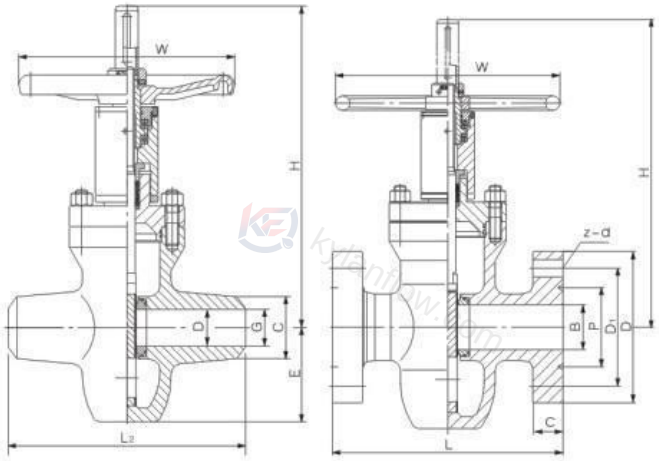
产品性能规范 Products performance specification

公称压力(Mpa) Nominal pressure		16.0	20.0	25.0	35.0	42.0
壳体实验压力(Mpa) Shell test pressure		24.0	30.0	37.50	52.50	63.0
密封实验压力(Mpa) Seal test pressure		17.6	22.0	27.5	38.5	46.2
适用温度 Applicable temperature		-29～121℃				
适用介质 Applicable medium	普通型 Ordinary type	石油、天然气、成品油、水等 Petroleum, natural gas, readymade oil, water,etc.				
	抗硫型 Antisulphur type	含H2S、CO2的石油、天然气等 Petroleum,natural gas etc,containing H2S, CO2				
连接形式 Connecting type		法兰端、焊接端、卡箍端 Flange end, welded end, keeper end				
驱动方式 Driving manner		手动、电动、气动等 Manual, electric, pneumatic etc. actuations				

高压平板闸阀
HIGH PRESSURE FLAT GATE VALVE

PN16~45
ZF43H型平行式闸阀
ZF43Y型(抗硫)平行式闸阀
ZF43F101型平行式闸阀





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

单位Unit:mm

PN (Mpa)	DN (mm)	尺寸 Dimensions(mm)								
		B	D	D1	P	L	C	H	Z-d	W
16.0 20.0	25	22	1150	101.5	50.80	210	29	255	4-26	180
	32	25	160	111	60.32	230	29	307	4-26	200
	40	35	180	124	68.28	260	32	343	4-30	240
	50	47	215	165	95.25	300	38.5	381	8-26	250
	65	57	245	190.5	107.95	340	41.5	400	8-30	280
	80	72	240	190.5	123.82	390	38.5	472	8-26	320
	100	92	290	235	149.22	450	44.5	525	8-33	350
	150	136	380	317.5	211.12	600	56	810	12-33	450
	200	174	470	393.5	269.88	750	63.5	960	12-39	550
25.0	25	22	150	101.5	50.80	210	29	255	4-26	180
	32	28	160	111	60.32	230	29	307	4-26	200
	40	35	180	124	68.28	260	32	343	4-30	240
	50	47	215	165	95.25	300	38.5	381	8-26	260
	65	57	245	190.5	107.95	340	41.5	400	8-30	280
	80	70	265	203	136.92	390	48	472	8-33	320
	100	92	310	241.5	161.92	450	54	525	8-36	350
	150	136	395	317.5	211.12	600	83	810	12-39	450
	200	174	485	393.5	269.68	750	92	960	12-45	550
35.0 42.0	25	19	160	108	60.62	210	35	255	4-26	180
	32	25	185	130	70.24	230	38.5	307	4-30	200
	40	29	205	146	82.55	260	44.5	343	4-33	240
	50	38	235	171.5	101.60	300	51	381	8-30	260
	65	48	265	197	111.12	340	57.5	400	8-33	280
	80	57	305	228.5	127.00	390	67	472	8-36	320
	100	73	355	273	157.18	450	76.5	525	8-42	350
	150	111	485	368.5	228.60	600	108	810	8-56	450
	200	146	550	438	279.40	750	127	960	12-53	550

高压节流、截止阀

HIGH PRESSURE STOP AND THROTTLE VALVE

产品概述 Product Overview

该系列截止、节流阀采用自平衡式、浮动密封座结构，其结构新颖、性能可靠。适用于工作压力≥1.6MPa，工作温度≤121℃的水、油、泥浆、聚合物、粘土胶、天然气等管线上，借助流量计对介质流量实行精确调节，同时可作截止阀对管线起启闭作用。

This series of stop and throttle valves adopt the structure of self balance and floating seal seat, which has novel structure and reliable performance. It is suitable for water, oil with working pressure ≥ 1.6Mpa and working temperature ≤ 121 ℃For mud, polymer, clay glue, natural gas and other pipelines, the flow rate of medium shall be accurately adjusted with the aid of flowmeter, and the stop valve can be used to open and close the pipeline at the same time.

主要特征 Main characteristics

- 采用自平衡结构，操作轻便灵活。
- 阀杆有明杆和暗杆两种结构，暗杆式带有开关指示器、调节流量直观。
- 阀杆密封采用复合式密封，密封可靠、磨擦阻力小。
- 密封面喷焊硬质合金，耐腐、耐磨、耐冲蚀，使用寿命长。
- 阀门为全封闭结构，防止外部杂质进入内腔，有效保护内部零件，延长阀门使用寿命。

- Adopt self balance structure, easy to operate.
- The valve rod has two kinds of structures: open rod and concealed rod. The concealed rod type has a switch indicator, which can adjust the flow intuitively.
- The valve rod seal adopts compound seal, reliable seal and small friction resistance.
- The sealing surface is spray welded with cemented carbide, which is corrosion-resistant, wear-resistant, erosion resistant and has a long service life.
- The valve is a fully enclosed structure, which prevents the external impurities from entering the inner cavity, effectively protects the internal parts and prolongs the service life of the valve.

产品采用标准 Technical specification

设计标准 Design standard		JB/T12235、GB/T12224
结构长度 Structural length	法 兰 Flanged	GB/T12221、ANST B16.10
	焊 接 Welded connection	GB/T15188.1
连接法兰 Flanged ends		GB/T9113、JB/T 79、ANSI 16.5a
对焊端 Butt-welding ends		GB/T 12224
试验和检验 Test & inspection		GB/T3927、JB/T 9092

产品性能规范 Products performance specification

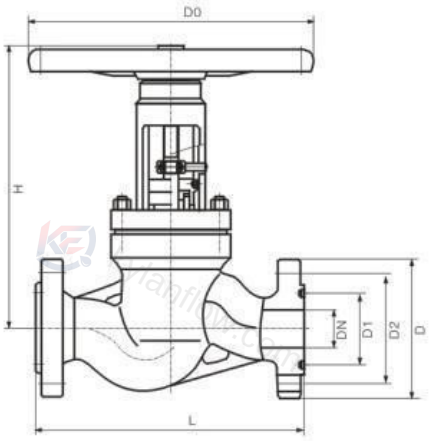
适用范围 Scope of application		PN10.0～42.0MPa	DN25～200mm
适用温度 Applicable temperature		-29～121℃	
适用介质 Applicable medium	普通型 Ordinary type	石油、天然气、成品油、水等 Petroleum, natural gas, readymade oil, water,etc.	
	抗硫型 Antisulphur type	含H2S、CO2的石油、天然气等 Petroleum,natural gas etc,containing H2S, CO2	
连接形式 Connecting type		法兰端、焊接端、卡箍端 Flange end, welded end, keeper end	
驱动方式 Driving manner		手动、电动、气动等 Manual, electric, pneumatic etc. actuations	

高压节流、截止阀

HIGH PRESSURE STOP AND THROTTLE VALVE

PN16~45
(JLH)L/J46Y JLH型多功能阀
(JLH)L/J46X型多功能阀
T/J48F101型高压调节阀
HPT48Y型高压调节阀





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

单位Unit:mm

PN (Mpa)	DN (mm)	尺寸 Dimensions(mm)				
		L	DN	D	H	D0
16.0 20.0	25	216	23	42	300	200
	32	229	29	54	325	240
	40	241	36	60	355	240
	50	280	45	73	395	300
	65	330	58	89	425	320
	80	368	72	108	460	360
	100	457	90	133	508	400
	125	533	115	152	530	500
	150	610	135	194	650	550
	200	660	180	245	690	600
25.0 35.0 45.0	25	216	23	42	300	200
	32	229	29	54	325	240
	40	241	36	60	355	240
	50	280	45	73	395	300
	65	330	58	89	425	320
	80	368	72	108	460	360
	100	457	90	133	508	400
	125	633	115	152	530	500
	150	610	135	194	650	550

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

单位Unit:mm

PN (Mpa)	DN (mm)	尺寸 Dimensions(mm)							
		L	L1	H	DN	D1	D	b	D0
16.0 20.0	40	240	370	355	36	88.8	120	20	280
	50	280	432	395	45	88.8	120	20	300
	65	300	490	425	58	88.8	120	20	360
	80	368	568	460	72	107.8	120	20	400
25.0 35.0 45.0	40	240	370	355	36	88.8	120	20	280
	50	280	432	395	45	88.8	120	20	300
	65	330	490	425	58	88.8	120	20	360
	80	381	581	460	72	107.8	120	20	400

注：L1=L+对焊卡箍头。
Note:L1 = L + butt welding clamp head.

高压止回阀

HIGH PRESSURE CHECK VALVE

产品概述 Product Overview

该系列阀门适用于工作压力≥1.6MPa，工作温度≤121℃的水、油、天然气等管线上，用来控制介质单和启闭，以防介质逆流。

This series of valves are applicable to water, oil, natural gas and other pipelines with working pressure ≥ 1.6Mpa and working temperature ≤ 121 ℃. They are used to control the single and open / close of medium to prevent the reverse flow of medium.

主要特征 Main characteristics

- 密封面硬度高，耐冲蚀、密封可靠、寿命长。
- 内部设有辅助密封弹簧，止回动作灵敏、密封可靠。
- 立式止回阀和微阻型止回阀采用直通流线型流道，流体阻力小、压力损失少。

- The sealing surface has high hardness, erosion resistance, reliable sealing and long service life.
- The inner part is equipped with auxiliary sealing spring, which makes the check action sensitive and the sealing reliable.
- Vertical check valve and micro resistance check valve adopt straight streamline flow channel, which has small fluid resistance and less pressure loss.

产品采用标准 Technical specification

设计标准 Design standard		JB/T12235、GB/T12224
结构长度 Structural length	法 兰 Flanged	GB/T12221、ANST B16.10
	焊 接 Welded connection	GB/T15188.1
连接法兰 Flanged ends		GB/T9113、JB/T 79、ANSI 16.5a
对焊端 Butt-welding ends		GB/T 12224
试验和检验 Test & inspection		GB/T3927、JB/T 9092

产品性能规范 Products performance specification

适用范围 Scope of application		PN10.0～42.0MPa	DN25～200mm
适用温度 Applicable temperature		-29～121℃	
适用介质 Applicable medium	普通型 Ordinary type	石油、天然气、成品油、水等 Petroleum, natural gas, readymade oil, water,etc.	
	抗硫型 Antisulphur type	含H2S、CO2的石油、天然气等 Petroleum,natural gas etc,containing H2S, CO2	
连接形式 Connecting type		法兰端、焊接端、卡箍端 Flange end, welded end, keeper end	
驱动方式 Driving manner		手动、电动、气动等 Manual, electric, pneumatic etc. actuations	

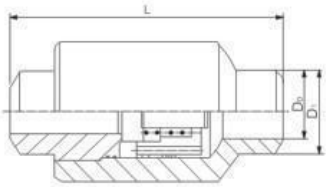
高压止回阀

HIGH PRESSURE CHECK VALVE

PN16~45(160~450)

H62H 型升降式止回阀
H62Y 型升降式止回阀
H62F101 型升降式止回阀





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

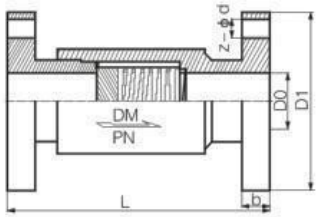
单位Unit:mm

PN(MPa)	DN(mm)	尺寸(mm)		
		L	D0	D1
16 20	25	180	22	42
	32	200	29	54
	40	230	36	60
	50	260	45	73
	65	290	58	89
	80	340	72	108
	100	400	90	133
	125	550	115	159
	150	600	135	192
25 35 40	25	180	22	42
	32	200	29	56
	40	230	36	64
	50	260	45	76
	65	290	58	89
	80	340	72	114
	100	400	90	146
	125	550	115	159
	150	600	135	195

PN16~45(160~450)

H42H 型升降式止回阀
H42Y 型升降式止回阀
H42F101 型升降式止回阀





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

单位Unit:mm

公称压力 PN(MPa)	公称通径 DN(mm)	尺寸(mm)			
		L	L1	D0	D1
16 20	25	220	330	23	150
	32	240	350	29	160
	40	260	390	36	180
	50	280	430	45	215
	65	340	510	58	245
	80	430	620	72	245
	100	480	690	90	295
	150				
25 35 40	25	220	350	23	150
	32	240	370	29	160
	40	260	420	36	180
	50	280	450	45	215
	65	340	520	58	245
	80	430	640	72	270
	100	480	710	90	310

高温高压电站闸阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION GATE VALVE

用途 Application

高温高压电站闸阀适用于公称压力PN20.0~32.0MPa，工作温度≤540℃,(其中P57170V工作温度为570℃)的石油、化工、水力、火力电站各种系统的管路上，切断或接通管路介质。

High temperature and pressure gate valve for power station is used on the pipeline of various systems of PN 20.0–32.0Mpa and working temperature≤540℃ (570℃ for P57170V of which) in petroleum, chemical industry, hydraulic, thermal power station etc which is to cut off or get through the medium in thepipeline.

结构特点 Structure features

1、采用流道等径直通结构，极大降低了流阻系数与能量的损耗，显著提高了阀门使用寿命和性能。
2、阀门中腔采用压力自紧式密封结构，密封性能好。
3、闸板与阀座密封面采用硬质合金堆焊而成，耐磨、耐高温、耐腐蚀、抗擦伤性能好。
4、阀杆表面经抗蚀性氮化处理，有良好的抗腐蚀性和抗擦伤性。
5、启闭件的结构可根据用户要求设计成单板、双板、平行双板等不同形式。
6、配多转式电动装置，可实现远方控制及就地操作。

1, Adopting the iso–diameter through–way structure, greatly lowering the flow–resistance coefficient and the energy consumption and notably raising the valve's duration and performance.
2, As the pressure self–tightening sealing structure is used for the valve's mid–cavity, the sealing performance is very excellent.
3, Both the sealing faces of wedge disc and seat ring are made by built–up welding with carbide alloy, so they are wearable, anti–high temperature, anti–corrosion, and good performance of anti–scrap.
4, The stem surface is anti–corrosive nitriding treated,which has good performance of anti–corrosion as well as anti–scrap.
5, The disc structure can be designed as a single–disc, dual–disc, parallel dual–disc etc.
6, Fitted with a multi–rotary type electric actuator, remote control and local operation is realized.

主要采用标准 Main standards

设计与制造 Design And Manufacture	结构长度 Face to face	压力–温度 Pressure Temperature Lating	试验–检验 Inspection And Test
E101/JB/T3595/ DL/T531	E101/JB2766/GB/T15188.1 JB/T3595	E101 JB/T3595	E101 JB/T3595 GB/T13927 GB/T 26480

适用规范 Applicable Specifications

型号 Model	公称压力 Nominal pressure PN/MPa	试验压力 Mpa Test pressure		工作压力 Mpa Working Pressure	工作温度℃ Working temperature	适用介质 Working medium
		强度试验 Strength test	密封试验/上密封试验 Seal test/Back seal test			
Z960 1/2 Y–250	25	37.5	27.5	–	≤425	水、蒸汽 Water, steam,
Z960 1/2 Y–320	32	48.0	36.0	–	≤425	
Z960 1/2 Y–P54100	–	30.0	22.0	P5410	≤540	蒸汽 Steam,
Z960 1/2 Y–P54170	–	48.0	36.0	P5417	≤540	

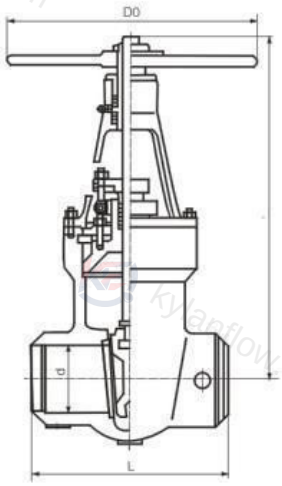
主要零件材质 The Major Parts Material

零件名称 Part name	材料牌号 Material		
阀体 Body	WCB	WC6	WC9
闸板 Disc	WCB	WC6	WC9
阀盖 Cover	25	12Cr1MoVA	
阀杆 Stem	38CrMoAlA	20Cr1MoVA	
阀座 Seat	25	12Cr1MoVA	
密封环 Sealing ring	S软钢Mild steel (增强柔性石墨)Reinforced flexible graphite	S软钢 Mild steel	F软钢 Mild steel
填料 Packing	增强柔性石墨 Reinforced flexible graphite		
支架 Stents	WCB	WCB或WC6	
阀杆螺母 Stem nut	45(ZCuZn25a 16Fe3Mn3)	ZQA19–4	
四开环 Pendant collect	1Cr13	20Cr1Mo1VA	

高温高压电站闸阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION GATE VALVE





外形尺寸及重量 Overall Size & Weight

Z60Y-1500Lb

口径 Size	外形尺寸 Overall dimensions				阀门重量 Weight
(in)	(mm)				
NPS	L	d	H开(Open)	D0	(Kg)
2-1/2"	254	56	671	200	50
3"	305	64	692	200	65
4"	406	84	790	230	105
5"	483	100	875	260	150
6"	559	126	1155	400	300
8"	711	158	1148	410	500

Z60Y-2000Lb

口径 Size	外形尺寸 Overall dimensions				阀门重量 Weight
(in)	(mm)				
NPS	L	d	H开	D0	(Kg)
2-1/2"	330	50	640	200	70
3"	368	60	690	230	90
4"	457	80	850	260	150
5"	533	96	1117	360	210
6"	610	118	1300	410	438

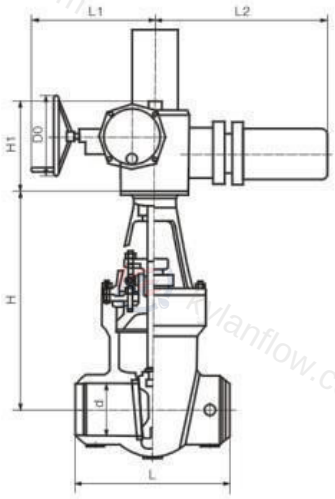
Z60Y-2500Lb

口径 Size	外形尺寸 Overall dimensions				阀门重量 Weight
(in)	(mm)				
NPS	L	d	H开	D0	(Kg)
2-1/2"	330	46	640	200	70
3"	368	54	690	230	90
4"	457	70	850	260	150
5"	533	88	1117	400	210
6"	610	120	1300	500	438

高温高压电站闸阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION GATE VALVE





外形尺寸及重量 Overall Size & Weight

Z960Y-1500Lb

口径 Size	外形尺寸 Overall dimensions							电装型号 Actuator model	重量 Weight (Kg)
(in)	(mm)								
NPS	L	d	H	H1	L1	L2	D0		
2-1/2"	254	56	625	262	140	243	200	SMC-04	93
3"	305	64	625	262	140	243	200	SMC-04	110
				376	310	400	200	00M2	
4"	406	84	650	319	198	281	508	SMC-03	168
				320	400	555	305	SMC-00	208
5"	483	106	754	319	198	281	508	SMC-03	223
				320	400	555	305	SMC-00	265
				440	295	515	470	DZW60A	265
6"	559	126	884	389	410	565	305	SMC-0	395
				402	420	654	305	SMC-1	430
				440	295	515	470	DZW60A	357
8"	711	158	936	389	410	565	305	SMC-0	555
				414	420	654	305	SMC-1	590
				450	540	290	550	DZW90	544
10"	864	210	1040	490	440	688	457	SMC-1	823
				464	420	654	305	SMC-2	852
				600	565	305	320	DZW180	900
12"	991	250	1290	514	420	654	305	SMC-1	1280
				560	440	688	457	SMC-2	1300
				710	400	770	570	ZDW350	1500
14"	1067	282	1445	710	400	770	570	ZDW500	1725
16"	1194	318	1470	697	690		610	SMC-3	2429

高温高压电站闸阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION GATE VALVE

外形尺寸及重量 Overall Size & Weight

Z960Y-2000Lb

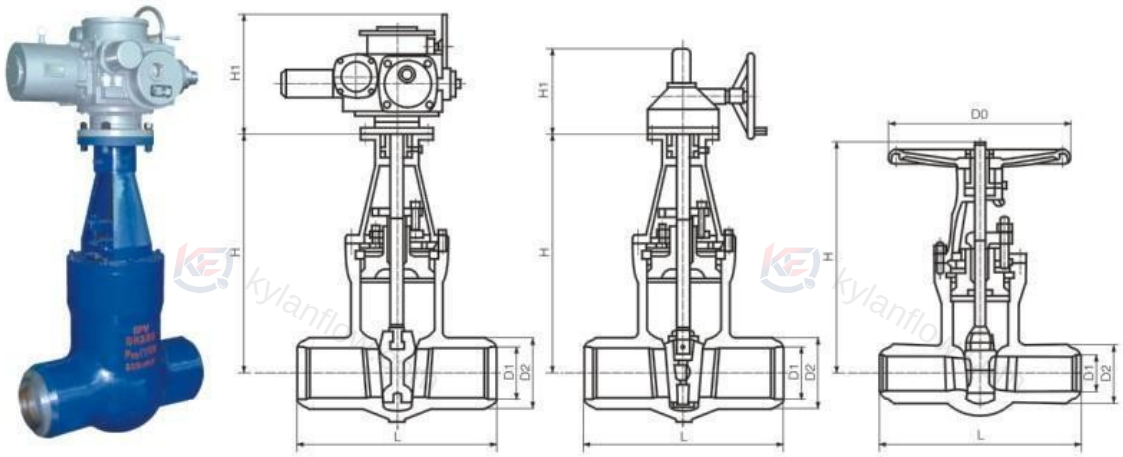
口径 Size	外形尺寸 Overall dimensions							电装型号 Actuator model	阀门重量 Weight (Kg)
(in)	(mm)								
NPS	L	d	H	H1	L1	L2	D0		
2-1/2"	330	50	540	262	140	342	200	SMC-04	202
3"	368	60	558	294	198	332	508	SMC-04	149
4"	457	80	654	320	400	555	305	SMC-00	245
5"	533	96	780	340	400	555	305	SMC-00	280
			780	389	410	565	305	SMC-0	323
6"	610	118	830	389	410	565	305	SMC-0	419
			1011	449	531	737		00M4	770
8"	762	148	960	389	410	565	305	SMC-0	626
				418	420	654	305	SMC-1	7158
10"	914	180	1210	480	420	654	305	SMC-1	1020
				485	440	688	457	SMC-2	1050
				608	531	767		00M5	770
12"	1041	222	222	600	440	688	457	SMC-2	1320
				650	690		610	SMC-3	1358
14"	1118	254	254	640	440	688	457	SMC-2	1810
				690	690		610	SMC-3	1840
16"	1245	294	294	720	690		610	SMC-3	2270
				790	715		610	SMC-4	2300

Z960Y-2500Lb

口径 Size	外形尺寸 Overall dimensions							电装型号 Actuator model	阀门重量 Weight (Kg)
(in)	(mm)								
NPS	L	d	H	H1	L1	L2	D0		
2-1/2"	330	46	533	309	198	332	508	SMC-03	143
				262	140	243	200	SMC-04	116
3"	368	54	549	287	198	332	508	SMC-03	160
				240	140	243	200	SMC-04	134
4"	457	70	785	309	198	332	508	SMC-03	335
				389	410	565	305	SMC-0	405
				440	515	295	470	DZW60A	377
5"	553	86	810	360	400	555	305	SMC-00	324
				389	410	565	305	SMC-0	341
6"	610	104	906	360	400	555	305	SMC-00	467
				389	410	565	305	SMC-0	507
				440	515	295	400	DZW60A	469
8"	762	130	950	389	410	565	305	SMC-0	725
				414	420	654	305	SMC-1	750
10"	914	162	1050	418	420	654	305	SMC-1	1152
				500	690		610	SMC-3	1220
12"	1041	210	1230	660	440	688	457	SMC-2	1520
				720	690		610	SMC-3	1558
14"	1118	234	1270	720	690		610	SMC-3	1869
16"	1245	264	1395	720	690		610	SMC-3	2826
				790	715		610	SMC-4	3048
22"	1550	375	2036	850	905	807	760	SMC-5	7080

高温高压电站闸阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION GATE VALVE



外形尺寸及重量 Overall Size & Weight

Z(9)60(2)Y

公称压力 Nominal pressure	公称通径 Nominal diameter	标准值 Standard value (mm)			参考值 Reference value (mm)				电装型号 Denso type
		L	D1	D2	Do	H	H1	L1	
200 P54 100V	50	279	64	79	300	500	580	590	Z20
	65	330	75	92	300	550	610	590	Z30
	80	368	92	111	350	560	680	810	Z45
	100	457	113	136	450	650	780	810	Z60
	125	533	144	172	500	720	850	810	Z60
	150	610	166	198	600	810	920	810	Z90
	175	750	187	223	700	880	1025	830	Z120
	200	762	209	250	750	910	1050	830	Z120
	225	850	233	278			1245	870	Z180
	250	914	275	330			1290	870	Z180
250 P54 140V	50	279	60	79	300	500	580	590	Z20
	65	330	71	92	300	550	610	590	Z30
	80	368	86	111	350	560	680	810	Z45
	100	457	105	136	450	650	780	810	Z60
	125	533	136	172	500	720	850	810	Z60
	150	610	154	198	600	810	920	810	Z90
	175	750	175	223	700	880	1025	830	Z120
	200	762	195	250	750	910	1050	830	Z120
	225	850	217	278			1245	870	Z180
	250	914	261	330			1290	870	Z180
320 P54 170V P55 170V P57 170V	50	279	56	79	300	500	580	590	Z20
	65	330	67	92	300	550	610	590	Z30
	80	368	80	111	350	560	680	810	Z45
	100	457	101	136	450	650	780	810	Z60
	125	533	124	172	500	720	850	810	Z60
	150	610	144	198	600	810	920	810	Z90
	175	750	163	223	700	880	1025	830	Z120
	200	762	181	250	750	910	1050	830	Z120
	225	850	203	278			1245	870	Z180
	250	914	241	330			1290	870	Z180

高温高压电站截止阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION GLOBE VALVE

用途 Application

高温高压电站截止阀适用于公称压力PN20.0-32.0MPa，工作温度≤540℃(其中P57170V工作的温度≤570℃)的石油、化工、火力电站等各种系统的管路上。适用介质为：水、油品、蒸汽等。

high temperature and pressure globe valve for power station is suitable for temperature ≤540 ℃ P57170V ≤ 570 ℃ PN10.0-45.0MPa, working for in the petroleum, chemical, fire power plant and other systems of the pipeline. Applicable medium: water, oil, steam, etc.

结构与特点 Structure and characteristic

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、油品管道上，具有耐高温、耐高压的特点。

1, Welded structure is used for the connection between valve and pipeline.
2, The sealing face is not easily worn out and scraped, of good sealing performance and long duration.
3, Compact structure, good open-close performance, short in height and easy maintenance.
4, Suitable for the water, steam, oil goods pipelines and featuring high temperature and high pressure resistance.

主要采用标准 Main standards

设计与制造 Design And Manufacture	结构长度 Face to face	压力-温度 Pressure & Temperature	试验-检验 Inspection And Test
E101/JB/T3595 DL/T531	E101/JB2766 GB/T15188.1	E101 JB/T3595	E101 JB/T9092

适用规范 Applicable Specifications

型号 Type	公称压力 Nominal Pressure	强度试验（MPa） Strength Test	密封试验（MPa） Seal Test	适用温度℃ Working Temperature	适用介质 SuitableMedium
J61Y-250I J961Y-250I	25.0	37.5	27.5	≤550	水、蒸汽、油品 Water、Steam Oil
J61Y-320I J961Y-320I	32.0	48.0	35.2		
J61Y-P54100V J961Y-P54100V	P54100V	30.0	11.0	≤540	
J61Y-P54140V J961Y-P54140V	P54100V	42.0	15.4		
J61Y-P57170V J961Y-P57170V	P57170V	63.0	18.7	≤570	

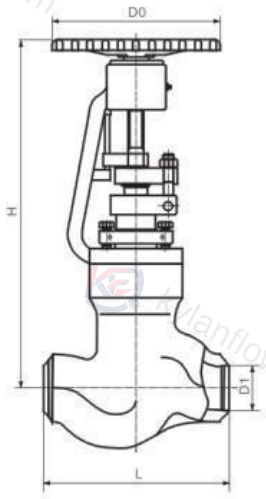
主要零件材料 Materials of main parts

零件名称 Part	阀体 Body	阀盖 Bonnet	阀杆 Stem	阀瓣 Disc	密封面 Sealing surface	填料 Packing	阀杆螺母 Stem nut	手轮 Hand wheel	紧固件 Fastener
J64H型	25 WCB	25 40Cr	铬不锈钢 铬钼铝钢氮化 Cr.stainless steel Cr.Mo.Al steel nirtation	铬不锈钢 Cr.stain-less steel	铬不锈钢 Cr.stain-less steel	柔性石墨 Flexible graphite	铝青铜 Albronze	可锻铸铁 Forgeable cast-iron	优质碳钢、铬钼钢 Higt-grade carbon steel Cr.Mo steel
J61Y型	25 WCB	25 40Cr		25	硬质合金 Carbide alloy				
J61Y-P54型	ZG20Cr Mo V 12Cr1Mo1V	12Cr1Mo1V	20Cr1Mo1VA 25Cr2Mo1VA	12Cr1Mo1V	硬质合金 Carbide alloy				铬钼钢 Cr.Mo steel
J61Y-P55型	ZG15Cr Mo V 12Cr1Mo1V	12Cr1Mo1V	20Cr1Mo1VA 25Cr2Mo1VA	12Cr1Mo1V	硬质合金 Carbide alloy				铬钼钢 Cr.Mo steel
J61Y-P57型	ZG15Cr Mo V 12Cr1Mo1V	12Cr1Mo1V	20Cr1Mo1VA 25Cr2Mo1VA	12Cr1Mo1V	硬质合金 Carbide alloy				铬钼钢 Cr.Mo steel

高温高压电站截止阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION GLOBE VALVE





外形尺寸及重量 Overall Size & Weight

J61Y-1500Lb

口径 Size (in) NPS	外形尺寸 Overall dimensions (mm) L	d	H	D0	阀门重量 Weight(Kg)
3"	470/305	64	848	510	150
4"	546/406	84	910	560	240
5"	673/483	100	1030	610	251

J61Y-2000Lb J61Y-2500Lb

口径 Size (in) NPS	外形尺寸 Overall dimensions (mm) L	d		H		D0	阀门重量 Weight(Kg)	
2-1/2"	508/330	50△	46*	815△	857*	510	160△	250*
3"	578/368	60△	54*	895△	940*	560	200△	290*
4"	673/457	80△	70*	1024△	1085*	700	280△	325*

注：△J61Y-2000Lb *J61Y-2500Lb

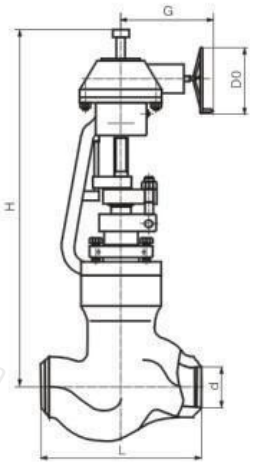
J61Y-3500Lb

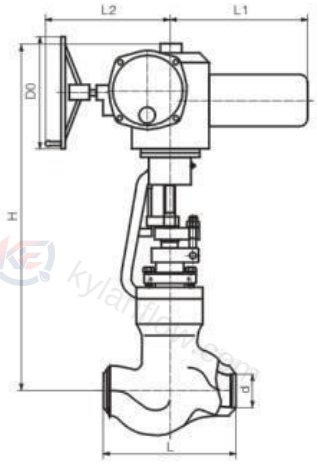
口径 Size (in) NPS	外形尺寸 Overall dimensions (mm) L	d	H	D0	阀门重量 Weight(Kg)
2-1/2"	508/330	38	890	460	235
3"	578/368	48	1030	560	425

高温高压电站截止阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION GLOBE VALVE







外形尺寸及重量 Overall Size & Weight

J561Y-1500Lb

口径 Size (in) NPS	外形尺寸 Overall dimensions (mm) L	d	H	G	D0	齿轮装置型号 Gear box model	阀门重量 Weight(Kg)
5"	673/483	100	995	332	460	BA-1	303
			1170	417	610	BA-2	388
6"	705/559	126	1360	332	460	BA-1	680
8"	832/711	158	1500	417	610	BA-2	762

J561Y-2000Lb J561Y-2500Lb

口径 Size (in) NPS	外形尺寸 Overall dimensions (mm) L	d		H	G	D0	齿轮装置型号 Gear box model	阀门重量 Weight(Kg)
4"	673/457	80△	70°	1125	332	460	BA-1	386△
				1185	417	610	BA-2	425△
5"	694/533	96△	86°	1370	417	610	BA-2	460△
				1435	459	760	BA-3	565△
6"	914/610	118△	104°	1430	417	610	BA-2	560△
				1495	459	760	BA-3	625△

注：△J561Y-2000Lb *J561Y-2500Lb

J961Y-3500Lb

口径 Size (in) NPS	外形尺寸 Overall dimensions (mm) L	d	H	G	D0	齿轮装置型号 Gear box model	阀门重量 Weight(Kg)
3"	578	48	1055	262	310	BA-0	458
			1050	332	460	BA-1	477
4"	673	60	1264	332	460	BA-1	641
			1335	417	610	BA-2	680
5"	794	74	1435	332	460	BA-1	903
			1500	417	610	BA-2	940
6"	914	88	1600	459	760	BA-3	1050

高温高压电站截止阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION GLOBE VALVE

外形尺寸及重量 Overall Size & Weight

J961Y-1500Lb

口径 Size	外形尺寸 Overall dimensions						电装型号 Actuator model	阀门重量 Weight(Kg)
(in)	(mm)							
NPS	L	d	H	L1	L2	D0		
3"	470/305	64	1030	400	555	305	SMC-00	265
				410	565	305	SMC-0	270
4"	546/406	84	1070	410	565	305	SMC-0	384
				420	654	305	SMC-1	490
5"	673/483	100	1135	420	654	457	SMC-1	520
				440	688	305	SMC-2	642
6"	705/559	1681	420	420	654	305	SMC-1	804

J961Y-2000Lb

口径 Size	外形尺寸 Overall dimensions						电装型号 Actuator model	阀门重量 Weight(Kg)
(in)	(mm)							
NPS	L	d	H	L1	L2	D0		
2-1/2"	508/330	50	975	410	565	305	SMC-0	340
			1015	420	654	305	SMC-1	406
3"	578/368	60	1060	410		305	SMC-0	388
			1095	420	565	305	SMC-1	470
4"	673/457	80	1220	420	654	305	SMC-1	542
			1235	440	654	457	SMC-2	606
5"	794/533	96	1425	440	688	457	SMC-2	646
			1500	690	688	610	SMC-3	874
6"	914/610	118	1480	440	688	457	SMC-2	780
			1560	690		610	SMC-3	1100

J961Y-2500Lb

口径 Size	外形尺寸 Overall dimensions						电装型号 Actuator model	阀门重量 Weight(Kg)
(in)	(mm)							
NPS	L	d	H	L1	L2	D0		
2-1/2"	508/330	46	975	410	565	305	SMC-0	390
			1015	420	654	305	SMC-1	600
3"	578/368	54	1065	410	565	305	SMC-0	430
			1095	420	654	305	SMC-1	640
4"	673/457	70	1220	420	654	305	SMC-1	700
			1235	440	688	457	SMC-2	722
5"	794/533	88	1425	440	688	457	SMC-2	722
			1500	690		610	SMC-3	810
6"	914/610	104	1480	440	688	457	SMC-2	872
			1685	690		610	SMC-3	917

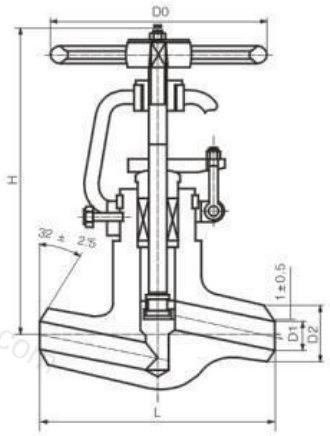
J961Y-3500Lb

口径 Size	外形尺寸 Overall dimensions						电装型号 Actuator model	阀门重量 Weight(Kg)
(in)	(mm)							
NPS	L	d	H	L1	L2	D0		
2-1/2"	508	38	945	400	555	305	SMC-00	342
			1025	410	565	305	SMC-0	375
3"	578	48	1150	410	565	305	SMC-0	565
			1185	420	654	305	SMC-1	675
4"	673	60	1366	410	565	305	SMC-0	810
			1300	440	688	457	SMC-2	872
5"	794	74	1530	440	688	457	SMC-2	920
6"	914	88	1725	690		610	SMC-3	1100

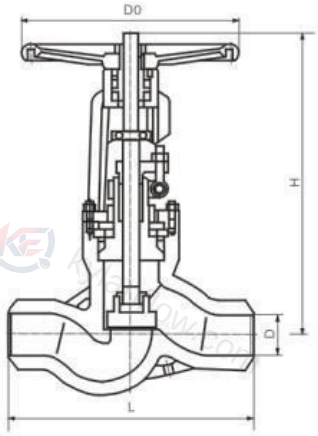
高温高压电站截止阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION GLOBE VALVE





DN≤50



DN>50

外形尺寸及重量 Overall Size & Weight

J(9)61Y

公称压力 Nominal pressure	公称通径 Nominal diameter	标准值 Standard value (mm)			参考值 Reference value (mm)				电装型号 Denso type
		L	D1	D2	Do	H	H1	L1	
200 P54 100V P55 100V P57 100V	10	110	10	20	150	230	500	570	Z5
	15	110	13	28	150	230	500	570	Z5
	20	150	18	32	200	270	580	590	Z10
	25	180	23	36	250	320	590	590	Z15
	32	180	36	46	250	320	590	590	Z15
	40	250	41	52	250	480	720	590	Z20
	50	250/350	64	80	320	480	720	590	Z30
	65	420	75	92	400	610	820	810	Z45
	80	470	92	111	450	660	1160	810	Z60
	100	546	113	136	500	810	1315	830	Z90
	125	559	144	172	550	940	1480	830	Z120
	150	610	166	198		1040	1540	870	Z180
250 P54 140V P55 140V P57 140V	10	110	10	20	150	230	500	570	Z5
	15	110	13	28	150	230	500	570	Z5
	20	150	18	32	200	270	580	590	Z10
	25	180	23	36	250	320	590	590	Z15
	32	180	36	46	250	320	590	590	Z15
	40	250	41	52	250	480	720	590	Z20
	50	250/350	60	80	320	480	720	590	Z30
	65	420	70	92	400	610	820	810	Z45
	80	470	86	111	450	660	1160	810	Z60
	100	546	105	136	500	810	1315	830	Z90
	125	559	136	172	550	940	1480	830	Z120
	150	610	154	198		1040	1540	870	Z180
320 P54 170V P55 170V P57 170V	10	110	10	20	150	230	500	570	Z5
	15	110	13	28	150	230	500	570	Z5
	20	150	18	32	200	270	580	590	Z10
	25	180	23	36	250	320	590	590	Z15
	32	180	36	46	250	320	590	590	Z15
	40	250	41	52	250	480	720	590	Z20
	50	250/350	56	80	320	480	720	590	Z30
	65	420	67	92	400	610	820	810	Z45
	80	470	80	111	450	660	1160	810	Z60
	100	546	101	136	500	810	1315	830	Z90
	125	559	124	172	550	940	1480	830	Z120
	150	610	144	198		1040	1540	870	Z180

高温高压电站止回阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION CHECK VALVE

用途 Application

高温高压电站止回阀适用于公称压力PN10.0–45.0MPa，工作温度≤540℃(其中P57170V工作的温度≤570℃)的石油、化工、火力电站等各种系统的管路上。适用介质为：水、油品、蒸汽等。

High temperature and pressure check valve is suitable for PN10.0–45.0MPa, work temperature ≤ 540 ℃ For P57 170V ≤ 570 ℃) in the petroleum, chemical, fire power plant and other systems of the pipeline. Appli–cable medium: water, oil, steam, etc.Structure and features

结构与特点 Structure and features

1、产品设计结构合理，性能优良，造型美观。
2、阀门中腔静密封采用压力自紧式密封结构，介质压力越高，密封性能越好。
3、焊接端尺寸严格按JB/T3595、GB/T12224，也可按用户要求加工。
4、阀瓣和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、高温高压部件采用优质耐热合金钢制造，安全可靠，性能稳定。

1, reasonable structure excellent performance design, attractive appearance.
2, Static sealing of pressure self–tightening structure in middle cavity, the higher the pressure of medium is, the better the sealing performs.
3, Welding end dimension is strictly complying with JB/T3595, GB/12224, also customize available.
4, Valve disc and seat sealing surface are made of stellite carbide surfacing drill base, wear–resistant, high temperature, corrosion, anti–abrasion performance and long service life.
5, High pressure and temperature components are made by high quality heat–resisting alloy with reliable security and stable performance.

标准与规范 Standard and specification

设计与制造 Design and Manufacture	结构长度 Face to face	压力–温度等级 Pressure – temperature rating	检验与试验 Inspection and testing	标志与供货 Mark and Availability
JIS E101 JB/T3595 DL/T531	JIS E101 JB/T3595 GB/T15188.1	JIS E101 JB/T3595	JIS E101 JB/T9092	JB/T7928 GB/T12220

性能规范 Specification

型号 Type	公称压力 PN(MPa)	试验压力 Test pressure (MPa)		适用温度 Suitable temperature (℃)	适用介质 Suitable media
		强度试验 Shell test	密封试验 Seal test		
H61Y–250	25	37.5	27.5	≤425	水、蒸汽、油品 Water, steam, oil
H61Y–320	32	48	35.2		
H61Y–P54140V	P54140V	42	15.4	≤540	
H61Y–P54170V	P54170V	48	18.7		
H61Y–P57170V	P57170V	63	18.7	≤570	

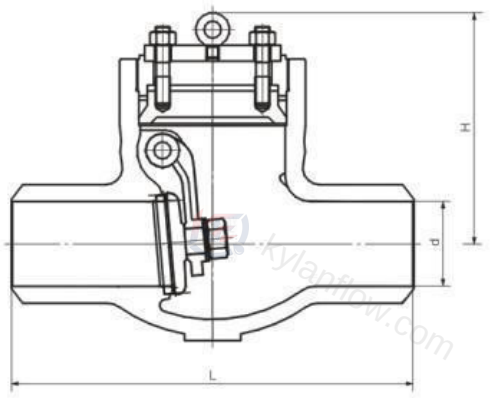
主要零件材料及主要用途 Main parts material and application

型号 Type	阀体 Body	阀盖 Bonnet	阀瓣 Disc	阀座 Seat	填料 Packing	适用介质 Suitable medium	适用温度(℃) Suitable temperature
H61Y–(320)	A105	A105	2Cr13+ Stellite12	2Cr13+ Stellite6	柔性石墨 Flexible graphite	水、蒸汽 Water, Steam	425
H61Y– P57(170)V	12Cr1MoV	12Cr1MoV	12Cr1MoV+ Stellite12	12Cr1MoV+ Stellite6	柔性石墨 Flexible graphite	蒸汽 Steam	570

高温高压电站止回阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION CHECK VALVE





外形尺寸及重量 Overall Size & Weight

H64Y-1500Lb

口径 Size (in) NPS	外形尺寸 Overall dimensions (mm) L	d	H	阀门重量 Weight(Kg)
2-1/2"	254	55	282	45
3"	305	64	274	50
4"	406	84	350	80
5"	483	100	425	115
6"	559	126	400	180
8"	711	158	490	270
10"	864	200	540	430

H64Y-2000Lb

口径 Size (in) NPS	外形尺寸 Overall dimensions (mm) L	d	H	阀门重量 Weight(Kg)
2-1/2"	330	50	240	40
3"	368	60	305	60
4"	457	80	315	95
5"	533	96	409	170
6"	610	118	465	186
8"	762	147	528	415
10"	914	180	613	658

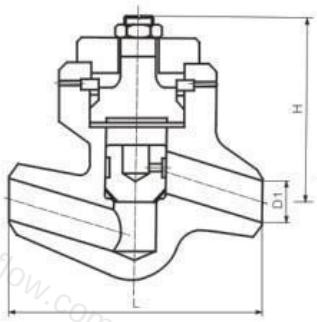
H64Y-2500Lb

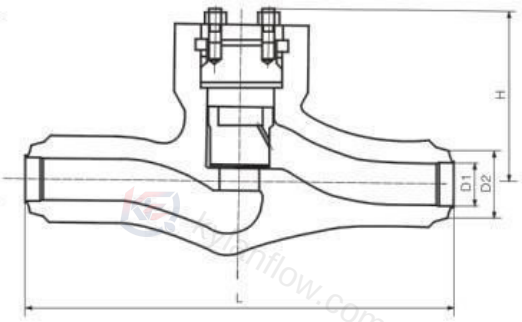
口径 Size (in) NPS	外形尺寸 Overall dimensions (mm) L	d	H	阀门重量 Weight(Kg)
3"	368	54	297	44
4"	457	70	385	110
5"	533	86	403	168
6"	610	104	455	192
8"	762	130	557	456
10"	914	162	615	730

高温高压电站止回阀

HIGH TEMPERATURE AND HIGH PRESSURE POWER STATION CHECK VALVE







外形尺寸及重量 Overall Size & Weight

H61Y (锻钢型自紧式 Forged Self-tight)

公称压力 Nominal pressure	公称通径 Nominal diameter	标准值 Standard value(mm)		参考值 Reference value(mm)	
		L	D1	H	重量 Weight(kg)
25 32 P5414V P5417V P5717	10	110	10	156	2.5
	15	150	14	200	8.5
	20	150	20	210	9
	25	180	22	210	10
	32	180	32	245	16
	40	250	36	270	26
	50	250/350	52	300	30

H61Y(铸钢型 Steel Type)

型号 Model	公称压力 Nominal pressure	公称通径 Nominal diameter	标准值 Standard value(mm)			参考值 Reference value(mm)	
			L	D1	D2	H	重量 Weight(kg)
H61Y-200	20	100	546	113	138	290	146
H61Y-320	32	125	559	124	171	440	511
H61Y-320	32	150	610	144	198	480	410
H61Y-200	20	175	750	187	222	500	510
H61Y-200	20	225	1000	233	273	520	570