

止回阀系列

品质第一 诚信服务

Quality First Integrity Services



中国·正洲泵阀制造有限公司

CHINA · ZHENGZHOU PUMP VALVE MANUFACTURING CO.,LTD.

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国家高新技术企业——中国·正洲泵阀制造有限公司，创建于1995年，是一家集产品设计、生产制造、销售服务于一体的现代化企业；主导产品蝶阀、球阀等各类阀门以及水泵、液控执行器畅销全国及世界各地，深受广大用户的欢迎和信赖。

公司技术力量雄厚，是国家火炬计划项目、国家创新基金项目承担单位，液控阀门行业标准起草单位。公司研发机构“正洲液控阀门研发中心”被认定为“浙江省高新技术企业研发中心”，在阀门及控制技术领域取得了丰硕的研究成果，已有二十多项自主研发技术获得国家专利及软件著作权授权。产品配套于各种管道工程，尤其在水轮机与汽轮机主机/辅机管道系统的调节控制与事故保护、防爆管道系统的安全控制、化工、脱硫及其他多相流、防腐管道工程、变频调速控制等工程领域得到广泛应用。

公司工艺精湛，检测手段完备，并培养了一支稳定的技术骨干队伍，使公司的产品始终处于业内领先地位。正洲公司也逐步从劳动密集型向技术密集型转变，成长为泵阀之乡技术开发的龙头企业之一。

“专一造就专业、专业铸成精品”。长期以来，公司与广大客户建立了良好的合作关系，并建有详细的产品销售档案，对每一产品自出库后进行长期跟踪服务。用户的满意是我们最终的选择，用户的支持是我们源源不断的动力。让我们携起手来，共创阀业辉煌！

China · Zhengzhou Pump Valve Manufacturing Co., Ltd. —a National Hi-tech Enterprise—was founded in 1995 and is a modern enterprise integrating product design, production, manufacture, sale and service; and its main products include all kinds of valves, like butterfly valves and ball valves, plus water pumps and hydraulic control actuators, which are well-received throughout China and the rest of the world and have won deep favor and trust of users.

Boasting strong technical strengths, our company is an undertaker of projects listed in Torch Program and Innovation Fund for Technology Based Firms of China, and a drafter of the industrial standard for hydraulic control valves. Our R&D organ, Zhengzhou Hydraulic Control Valve R&D Center., was recognized as Hi-tech Enterprise R&D Center of Zhejiang Province and has made plentiful and substantial research achievements in the fields of valves and control technology; and we've gained national patents and authorization of software copyrights for more than 20 technologies independently developed by us. Our products are used for all kinds of pipeline engineering, especially widely applied in such engineering fields as regulation, control and emergency protection of main and auxiliary pipeline systems of water and steam turbines, safety control of explosion-proof pipeline systems, chemical engineering, desulfuration, other multi-phase flow and anti-corrosion pipeline engineering and frequency conversion speed control.

Our company has excellent process and complete testing means, and has cultivated a stable team of technical backbones so that our products have always been leading in the industry. Zhengzhou is also transforming from a labor intensive type to a technology intensive one, and has grown to one of leaders of technological development in Pump & Valve Hometown.

"Devotedness leads to speciality while the latter leads to fine products." Over a long time our company has established good cooperative relationships with customers and also created detailed product sale documents for long-term tracing service of every product after released. Customer satisfaction is our final choice and customer support is our inexhaustible power. Let's join hand in hand for common development of the valve industry!





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产品展示 Product display



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Piston-lift type check valve



旋启式止回阀
Swing check valve



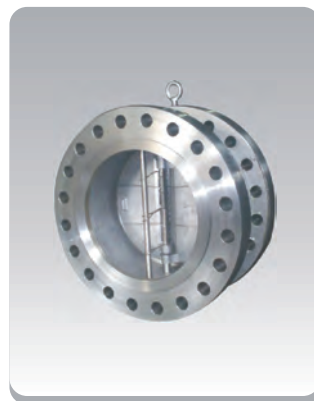
止回阀(美标)
Check valve



排渣止回阀
Check slag



立式止回阀
Vertical Check Valve



法兰连接双瓣旋启式止回阀
Forged-case lug type
double-disc swing check valve



薄型对夹单瓣旋启式止回阀
Wafer single-disc
swing check valve



对夹升降式止回阀(国标)
Wafer rising check valve



对夹立式止回阀
Wafer Type and Vertical
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锻钢止回阀
Forged steel check valve



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Test water pressure valve block

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止回阀

Check valve

Check valve

止回阀

型号编制说明 Model schedule illustration



- 结构特征代号：栓接阀盖结构(省略) Ps—压力密封结构
Feature code: Bolt-jointed bonnet structure omitted Ps—Pressure sealed structure
- 阀门类型代号：H—止回阀
Valve type code: H—Check valve
- 连接形式代号：1—内螺纹 2—外螺纹 4—法兰 6—焊接 7—对夹 8—承插焊
Connecting type code:1—Interior whorl 2—Other whorl 4—Flange 6—Welding 7—To inserting 8—Bear and insert welding
- 结构形式代号：1—升降式 2—升降立式 4—单瓣旋启式 6—双瓣旋启式
Design feature code:1—Lifting type 2—Lifting vertical type 4—Single-disc swing type 6—Dual-disc swing type
- 密封面材质代号：Y—硬质合金 H—合金钢 X—橡胶 F—聚四氟乙烯
Sealing formation code: Y—Hard alloy H—Alloy steel X—Rubber F—Polytetrafluoroethylene (PTFE)
- 压力等级代号：公称压力为MPa的10倍、磅级为实际数
Pressure grade code: The 10 times of the nominal pressure MPa, pound grade io practical number
- 阀体材料代号(国标材质代号与下列相应材质代号等同):
 - (1)铸造阀体：C—WCB I—WC6、ZG1Cr5Mo V—WC9、ZG20CrMoV P—CF8、ZG1Cr18Ni9Ti R—CF8M、ZG1Cr18Ni12Mo2Ti S—CF3 L—CF3M F—LCB N—LC3
 - (2)锻造阀体：C—A105 E—LF2 A—F11 V—F22 P—F304 R—F316 S—F304L L—F316LBody material code: (1) Cast the valve body: C—WCB I—WC6、ZG1Cr5Mo V—WC9、ZG20CrMoV P—CF8、ZG1Cr18Ni9Ti R—CF8M、ZG1Cr18Ni12Mo2Ti S—CF3 L—CF3M F—LCB N—LC3
- (2)Forge the valve body: C—A105 E—LF2 A—F11 V—F22 P—F304 R—F316 S—F304L L—F316L

产品结构特点 Products design features

止回阀适用于压力PN1.6~16.0MPa(Class150~2500)，工作温度-196~60℃的石油、化工、制药、化肥、电力行业等各种工况的管路上，防止介质的倒流。

Check valves are used in pipes under pressures between PN1.6~16.0MPa(Class150~2500Lb), working temperatures -196~60℃, They are used in industries include oil, chemistry, pharmaceutical, fertilizer, and power gene-ration to prevent the backward flux of the media.

其主要结构特点有：

The main structure features include:

- 1、产品结构合理、密封可靠、性能优良、造型美观。
The products feature a reasonable structure, reliable seal, good performance and nice modeling.
- 2、产品可根据不同的工况选择软质密封或硬质密封。密封面堆焊Co基硬质合金，耐磨、耐蚀、抗擦伤性能更好，使用寿命长。
Either soft or hard seal can be selected for the product upon different working conditions.The sealing face is built up with Co-based carbide alloy, leaving a better wearability, corrosion and scrap resistance and a longer duration.
- 3、开启压力小，阀瓣在很小的压差下就能完全打开。
Small opening pressure, the disc can be opened fully with a very small pressure differential.

- 4、内装式的销轴结构，减小外泄漏点，使用可靠。
Inside-set bolt-bearing structure reduces leakage and reliable use.
- 5、公称压力≥16.0MPa(Class1500)中腔采用自紧式密封结构，密封性能随压力升高而增强，保证了密封性能。
PN≥16.0Mpa (class1500), the middle cavity uses a self-tightening sealing structure to have the sealing performance reinforced along with the pressure rise so as to ensure the sealing performance.
- 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。
Different parts materials and different sizes for flange, butt-welding are available for sensible combination according to different working facts and customers' requirements.

产品主要参数 Main parameter of the products

基本型号 Serial models	(Ps)H44H(Y)、(Ps)H64H(Y)、(Ps)H41H(Y)、(Ps)H61H(Y)、(Ps)H42H(Y)、(Ps)H62H(Y) (Ps)H74H(Y)、(Ps)H71H(Y)、(Ps)H76H(Y)、(Ps)H72H(Y)
压力等级范围 Pressure grade range	PN1.6~42.0MPa (Class150~2500)
通径范围 Drift diameter range	DN15~1000mm(1/2"~40")

产品性能规范 Products performance specification

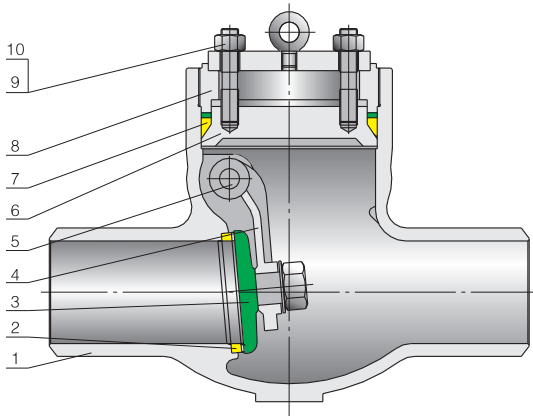
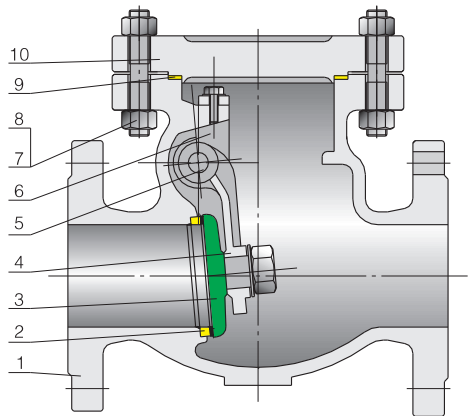
压力等级 Pressure		常温试验压力(MPa) Testing pressure at constant temperature (Mpa)		适用温度 Applicable temperature	适用介质 Applicable medium
		壳体试验 The shell testing	密封试验 Seal and test		
公称压力 (MPa) Nominal rating pressure (PN)	1.6	2.4	1.76	-196~600℃	水、油品、蒸汽等 Water , oil , steam ,etc.
	2.5	3.75	2.75		
	4.0	6.0	4.4		
	6.4	9.6	7.04		
	10.0	15.0	11.0		
	16.0	24.0	17.6		
	25.0	37.5	27.5		
磅级(Lb) Pound grade (Class)	150	3.0	2.2	-196~600℃	水、油品、蒸汽等 Water , oil , steam ,etc.
	300	7.5	5.5		
	600	15.0	11.0		
	900	22.5	16.5		
	1500	37.5	27.5		
	2500	63.0	46.2		

旋启式止回阀

Swing check valve

Swing check valve

旋启式止回阀



产品采用标准 Technical specification

结构形式 Structural formation	栓接阀盖旋启式止回阀 Bolt-jointed bonnet swing type check valve	
设计依据 Design reference	GB	API
设计标准 Design standard	GB/T 12236	API 6D
结构长度 Face to face	GB/T 12221	API 6D、ASME B16.10
连接法兰 Flanged ends	JB/T 79	ASME B16.5
试验和检验 Test & inspection	JB/T9092	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。
Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material	
		ASTM	GB
1	阀体 Body	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M
2	阀座 Seat	A105、F11、F22、F5、F9 F304、F316、F321、F304L、F316L	25、1Cr13、2Cr13 1Cr18Ni9Ti、0Cr18Ni12Mo2Ti、20Cr1Mo1V、25Cr2MoV
3	阀瓣 Disc	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M
4	摇杆 Rocker	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M
5	销轴 Pivot	Gr.F6a、F22 F304、F316、F321、F304L、F316L	1Cr13、2Cr13 1Cr18Ni9Ti、0Cr18Ni12Mo2Ti
6	连接架 Join the shelf	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M
7	双头螺柱 Stud	A193-B7、A320-B8、A193-B8M	35CrMoA、25Cr2MoV、0Cr18Ni9、0Cr17Ni12Mo2
8	六角螺母 Six angle nuts	A194-2H、A194-8、A194-8M	45、35CrMoA、25Cr2MoV、0Cr18Ni9、0Cr17Ni12Mo2
9	垫片 Gasket	柔性石墨+不锈钢 Graphite & stainless steel	柔性石墨+不锈钢 Graphite & stainless steel
10	阀盖 Bonnet	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M

产品采用标准 Technical specification

结构形式 Structural formation	压力密封旋启式止回阀 Pressure sealed swing type check valve	
设计依据 Design reference	GB	API
设计标准 Design standard	GB/T 12236	API 600
结构长度 Face to face	GB/T 12221	ASME B16.10
连接法兰 Flanged ends	JB/T 79、GB/T 9113、HG20594	ASME B16.5
对焊端 Butt-welding ends	GB/T 12224	ASME B16.25
试验和检验 Test & inspection	JB/T9092	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。
Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

主要零件材料 Major parts material form

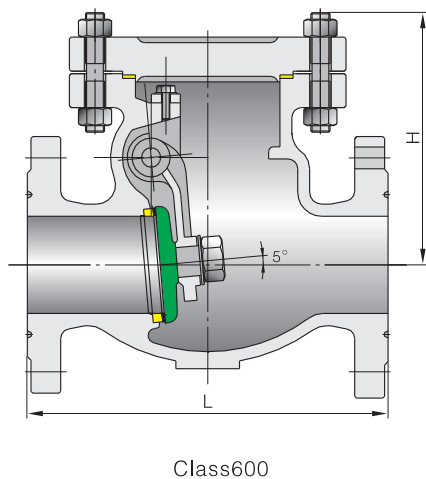
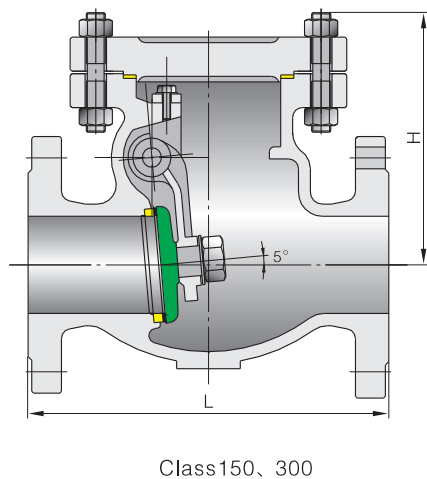
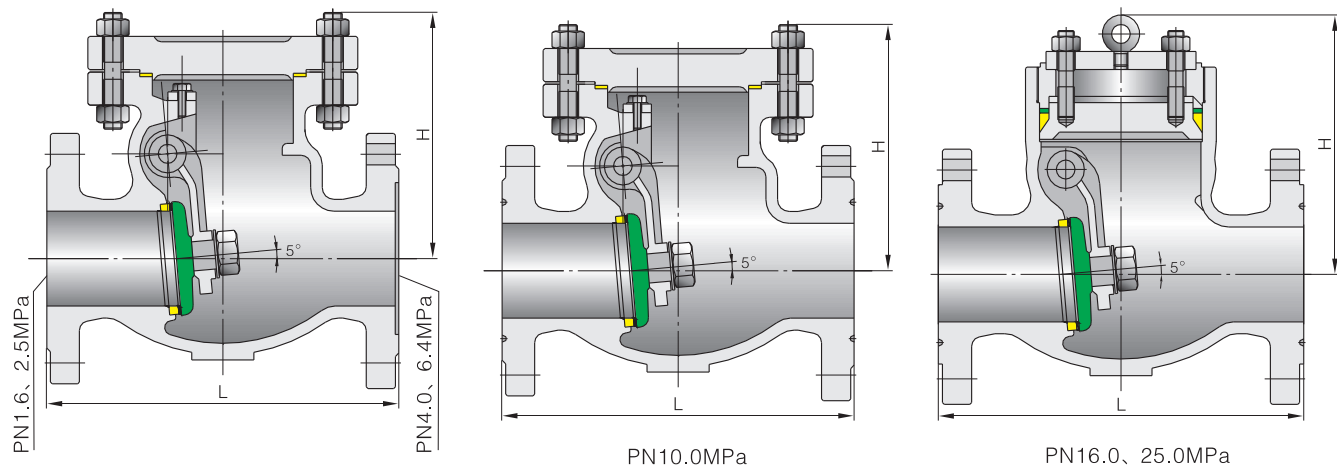
序号 No.	零件名称 Part name	材质 Material	
		ASTM	GB
1	阀体 Body	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣 Disc	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M
3	阀座 Seat	A105、F11、F22、F5、F9 F304、F316、F321、F304L、F316L	25、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti 20Cr1Mo1V、25Cr2MoV
4	摇杆 Rocker	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M
5	销轴 Pivot	Gr.F6a、F22 F304、F316、F321、F304L、F316L	1Cr13、2Cr13 1Cr18Ni9Ti、0Cr18Ni12Mo2Ti
6	阀盖 Bonnet	A105、F11、F22、F5、F9 F304、F316、F321、F304L、F316L	25、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti 20Cr1Mo1V、25Cr2MoV
7	密封圈 Sealing ring	柔性石墨 Graphite	柔性石墨 Graphite
8	压盖 Cover	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M
9	双头螺柱 Stud	A193-B7、A320-B8、A193-B8M	35CrMoA、25Cr2MoV、0Cr18Ni9、0Cr17Ni12Mo2
10	六角螺母 Six angle nuts	A194-2H、A194-8、A194-8M	45、35CrMoA、25Cr2MoV、0Cr18Ni9、0Cr17Ni12Mo2

旋启式止回阀

Swing check valve

Swing check valve

旋启式止回阀



主要外形尺寸及重量 Main size of outside & weight

型号Model: H44H、H44Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)
		L	H				L	H				L	H	
1.6	50	230	165	23	4.0	50	230	180	27	10.0	50	300	195	43
	65	290	180	28		65	290	195	33		65	340	213	52
	80	310	190	35		80	310	195	37		80	380	240	75
	100	350	208	40		100	350	220	56		100	430	270	112
	150	480	270	81		150	480	273	105		150	550	365	220
	200	600	295	96		200	600	352	140		200	650	425	345
	250	730	337	175		250	730	413	200		250	775	486	475
	300	850	386	265		300	850	432	392	16.0	50	300	255	52
	350	980	430	364		350	980	455	396		65	340	285	62
	400	1100	475	495		400	1100	562	502		80	380	324	113
2.5	500	1250	565	590		500	1250	620	645		100	430	359	165
	50	230	180	25	6.4	50	300	195	32		150	550	433	270
	65	290	195	32		65	340	213	45		200	650	478	324
	80	310	195	35		80	380	213	50		250	775	520	375
	100	350	220	55		100	430	240	75	25.0	50	368	315	65
	150	480	273	104		150	550	302	158		65	419	348	79
	200	600	352	138		200	650	362	220		80	470	386	95
	250	730	413	198		250	775	410	346		100	546	410	172
	300	850	432	388		300	900	468	476		150	705	565	275
	350	980	455	390		350	1025	520	630		200	832	320	325
	400	1100	562	498		400	1150	572	886		250	991	676	395
	500	1250	620	643		500	1400	625	1030					

主要外形尺寸及重量 Main size of outside & weight

型号Model: H44H、H44Y

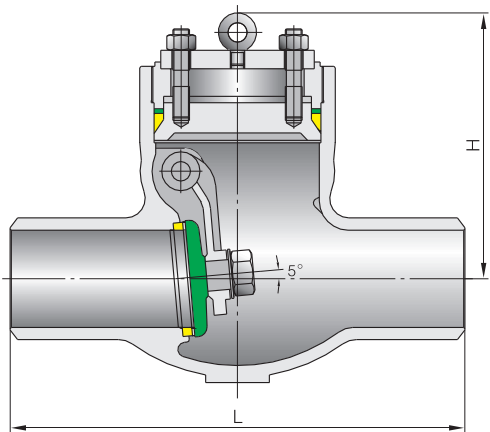
Class	DN (mm)	NPS (in)	尺寸 Dimensions (mm)		重量 Weight (kg)	Class	DN (mm)	NPS (in)	尺寸 Dimensions (mm)		重量 Weight (kg)
			L	H					L	H	
150	50	2	203	165	17	300	50	2	267	175	22
	65	2 1/2	216	182	26		65	2 1/2	292	186	24
	80	3	241	195	32		80	3	318	212	38
	100	4	292	208	45		100	4	356	238	52
	150	6	356	260	75		150	6	445	302	86
	200	8	495	295	135		200	8	533	362	165
	250	10	622	350	200		250	10	622	392	204
	300	12	699	405	275		300	12	711	440	278
	350	14	787	446	385		350	14	838	460	402
	400	16	864	493	442		400	16	864	530	545
600	450	18	978	515	630	600	450	18	978	582	683
	500	20	978	540	760		500	20	1016	615	862
	50	2	295	200	32		50	2	295	200	32
	65	2 1/2	333	219	42		65	2 1/2	333	219	42
	80	3	359	232	61		80	3	359	232	61
	100	4	435	282	112		100	4	435	282	112
	150	6	562	330	205		150	6	562	330	205
	200	8	664	378	385		200	8	664	378	385
	250	10	791	452	575		250	10	791	452	575
	300	12	841	575	775		300	12	841	575	775

旋启式止回阀

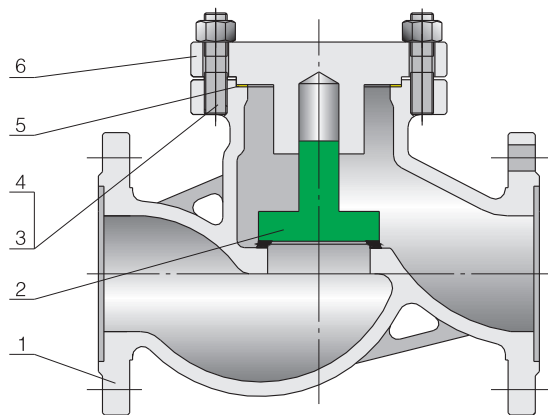
Swing check valve

Piston-lift type check valve

升降式止回阀



Class600、900、1500、2500



主要外形尺寸及重量 Main size of outside & weight

型号Model: (Ps)H64H、(Ps)H64Y

Class	DN (mm)	NPS (in)	尺寸 Dimensions (mm)		重量 Weight (kg)
			L	H	
600	50	2	292	225	29
	65	2 1/2	330	240	35
	80	3	356	254	48
	100	4	432	279	67
	150	6	559	368	110
	200	8	660	393	205
	250	10	787	457	325
	300	12	838	584	480
	350	14	889	609	600
	400	16	991	685	800
	450	18	1092	736	1490
	500	20	1194	762	1675
900	600	24	1397	889	2300
	50	2	368	225	48
	65	2 1/2	419	240	65
	80	3	381	254	70
	100	4	457	279	100
	150	6	610	381	245
	200	8	737	533	425
	250	10	838	558	675
	300	12	965	609	900
	350	14	1029	736	1125
	400	16	1130	762	1600
	450	18	1219	863	2000
	500	20	1321	939	2700
	600	24	1549	1066	3500

Class	DN (mm)	NPS (in)	尺寸 Dimensions (mm)		重量 Weight (kg)
			L	H	
1500	50	2	368	225	48
	65	2 1/2	419	240	65
	80	3	470	254	90
	100	4	546	279	115
	150	6	705	405	250
	200	8	832	567	470
	250	10	991	585	800
	300	12	1130	630	1350
	350	14	1257	750	1800
	400	16	1384	787	2200
	450	18	1537	885	2600
	500	20	1664	960	2700
2500	600	24	1943	1120	4100
	50	2	451	225	80
	65	2 1/2	508	249	102
	80	3	578	254	120
	100	4	673	279	220
	150	6	914	420	540
	200	8	1022	570	920
	250	10	1270	1010	1692
	300	12	1422	1160	2296

产品采用标准 Technical specification

结构形式 Structural formation	螺柱阀盖升降式止回阀 Spiral shell's post bonnet lifting type check valve	
设计依据 Design reference	GB	API
设计标准 Design standard	GB/T 12235	BS1868
结构长度 Face to face	GB/T 12221	ASME B16.10
连接法兰 Flanged ends	JB/T 79	ASME B16.5
试验和检验 Test & inspection	JB/T9092	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。
Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

主要零件材料 Major parts material form

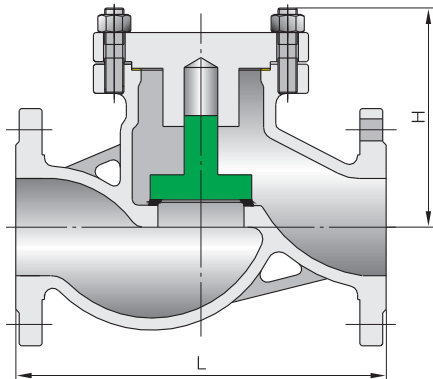
序号 No.	零件名称 Part name	材质 Material	
		ASTM	GB
1	阀体 Body	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣 Disc	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M	WCB、WC1、WC6、WC9、C5 CF8、CF8M、CF8C、CF3、CF3M
3	双头螺柱 Stud	A193-B7、A320-B8、A193-B8M	35CrMoA、25Cr2MoV、0Cr18Ni9、0Cr17Ni12Mo2
4	六角螺母 Six angle nuts	A194-2H、A194-8、A194-8M	45、35CrMoA、25Cr2MoV、0Cr18Ni9、0Cr17Ni12Mo2
5	垫片 Gasket	柔性石墨+不锈钢 Graphite & stainless steel	柔性石墨+不锈钢 Graphite & stainless steel
6	阀盖 Bonnet	A105、F11、F22、F5、F9 F304、F316、F321、F304L、F316L	25、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti 20Cr1Mo1V、25Cr2MoV

升降式止回阀

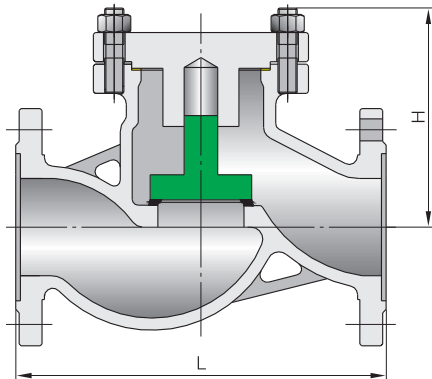
Piston-lift type check valve

Piston-lift type check valve

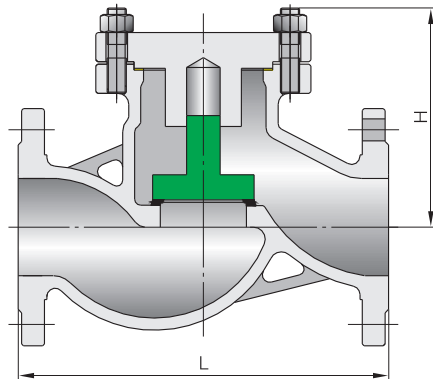
升降式止回阀



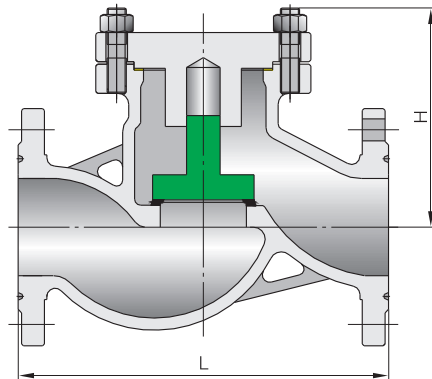
PN1.6、2.5MPa



PN≥4.0MPa



Class150、300



Class600、900

主要外形尺寸及重量 Main size of outside & weight

型号Model: H41H、H41Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)
		L	H	
1.6	50	230	115	20
	65	290	140	24
	80	310	175	30
	100	350	203	42
	125	400	228	59
	150	480	250	84
	200	600	285	100
2.5	50	230	115	21
	65	290	140	25
	80	310	175	31
	100	350	203	42
	125	400	228	60
	150	480	250	86
	200	600	285	102
4.0	50	230	150	17
	65	290	160	22
	80	310	178	34
	100	350	203	42
	125	400	228	75
	150	480	265	105
	200	600	317	150

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)
		L	H	
6.4	50	300	175	30
	65	340	190	36
	80	380	208	48
	100	430	230	70
	125	500	265	102
	150	550	312	145
	200	650	353	198
10.0	50	300	175	30
	65	340	193	43
	80	380	238	65
	100	430	269	89
	125	500	313	102
	150	550	355	123
	200	650	403	148
16.0	50	300	175	32
	65	340	193	46
	80	380	238	240
	100	430	269	273

主要外形尺寸及重量 Main size of outside & weight

型号Model: H41H、H41Y

Class	DN (mm)	NPS (in)	尺寸 Dimensions (mm)		重量 Weight (kg)
			L	H	
150	50	2	203	165	17
	65	2 1/2	216	175	25
	80	3	241	190	29
	100	4	292	215	50
	150	6	356	265	85
	200	8	495	320	150
	250	10	622	365	240
	300	12	699	415	350
300	50	2	267	190	28
	65	2 1/2	292	205	33
	80	3	318	220	45
	100	4	356	245	70
	150	6	445	295	150
	200	8	533	330	230
	250	10	622	420	390
	300	12	711	480	520

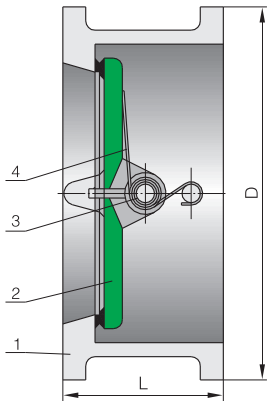
Class	DN (mm)	NPS (in)	尺寸 Dimensions (mm)		重量 Weight (kg)
			L	H	
600	50	2	295	210	33
	65	2 1/2	333	230	43
	80	3	359	255	62
	100	4	435	295	113
	150	6	562	365	222
	200	8	664	420	390
	250	10	791	505	630
	300	12	841	545	871
900	50	2	371	235	120
	65	2 1/2	422	270	166
	80	3	384	302	176
	100	4	460	342	182
	150	6	613	425	403

升降式止回阀

Piston–lift type check valve

Wafer type double disc swing check valve

对夹双瓣旋启式止回阀



产品采用标准 Technical specification

结构形式 Structural formation	双瓣旋启式止回阀 Dual–disc swing type check valve
设计标准 Design standard	GB/T 12224
结构长度 Face to face	GB/T 15188.2
连接法兰 Flanged ends	JB/T 79、GB/T9113、HG20592
试验和检验 Test & inspection	JB/T9092

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

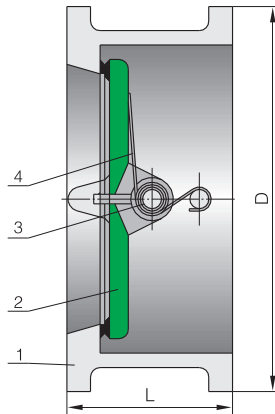
主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	WCB、CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣 Disc	WCB、CF8、CF8M、CF8C、CF3、CF3M
3	销轴 Pivot	1Cr13、2Cr13、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti
4	弹簧 Spring	4Cr13、60Si2Mn、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti

主要外形尺寸及重量 Main size of outside & weight

型号Model: H76H、H76Y

PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)
		L	D				L	D				L	D	
1.0	50	60	109	2	1.6	50	60	109	2	2.5	50	60	109	2
	65	67	129	3		65	67	129	3		65	67	129	3
	80	73	144	4.2		80	73	144	4.2		80	73	144	4.2
	100	73	164	6.2		100	73	164	6.2		100	73	170	6.2
	125	86	194	7.5		125	86	194	7.5		125	86	197	9
	150	98	220	11.5		150	98	220	11.5		150	98	227	12.5
	200	127	275	20.2		200	127	275	20.2		200	127	287	23
	250	146	330	31		250	146	332	32		250	146	343	40
	300	181	380	48.2		300	181	387	51		300	181	403	55
	350	184	440	72.5		350	184	447	73		350	184	460	82
	400	190	492	104.5		400	190	498	108		400	191	518	118
	450	203	542	151		450	203	558	160		450	203	568	212
	500	219	597	180		500	219	620	200		500	219	624	240
	600	222	698	300		600	222	734	320		600	222	734	412



产品采用标准 Technical specification

结构形式 Structural formation	双瓣旋启式止回阀 Dual–disc swing type check valve
设计标准 Design standard	GB/T 12224
结构长度 Face to face	GB/T 15188.2
连接法兰 Flanged ends	JB/T 79、GB/T9113、HG20592
试验和检验 Test & inspection	JB/T9092

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

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	WCB、CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣 Disc	WCB、CF8、CF8M、CF8C、CF3、CF3M
3	销轴 Pivot	1Cr13、2Cr13、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti
4	弹簧 Spring	4Cr13、60Si2Mn、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti

主要外形尺寸及重量 Main size of outside & weight

型号Model: H76H、H76Y

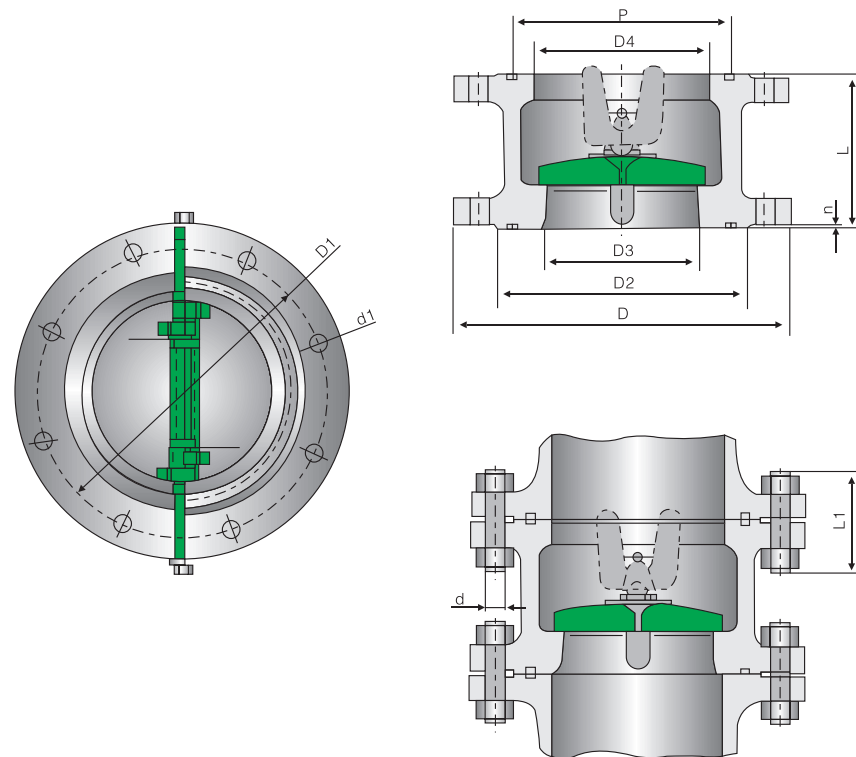
PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions (mm)		重量 Weight (kg)
		L	D				L	D				L	D	
4.0	50	60	109	3.5	6.4	50	60	115	3.5	10.0	50	60	122	4
	65	67	129	5		65	67	140	5		65	67	147	6
	80	73	144	7.2		80	73	150	7.2		80	73	157	8
	100	73	170	9.3		100	73	177	12		100	79	183	12
	125	86	197	16		125	86	197	16		125	105	220	21
	150	98	227	18		150	98	227	18		150	137	260	34
	200	127	293	30		200	127	293	30		200	161	324	48
	250	146	355	52		250	146	355	52		250	213	394	77
	300	181	420	87		300	181	420	87	16.0	300	229	458	112
	350	222	478	121		350	184	460	82		50	70	143	7
	400	232	549	162		400	191	518	118		65	83	163	10
						450	203	568	212		80	83	178	15
						500	219	624	240		100	102	210	25
						600	222	734	412		125	110	249	30
											150	159	282	43
											200	206	358	55

法兰连接双瓣旋启式止回阀(美标)

Forged-case lug type double-disc swing check valve

Forged-case lug type double-disc swing check valve

法兰连接双瓣旋启式止回阀(美标)



主要外形尺寸及重量 Main size of outside & weight

型号Model: H46H、H46Y

压力级 Pressure Level	NPS	尺寸 Size(mm)												重量 Weight (kg)	配管法兰(供参考) With flange (for reference)					
		L	D	D1	D2		D3	D4	P	螺孔 数量 Screw Amount	螺孔直径d1 Screw diameter d1		N		螺栓 数量 number of bolts	螺栓直径d Bolt Diameter		螺栓长度L1 Bolt Length		
					RF	RJ					in	mm				in	mm	RF	RJ	
Class 150	8	127	343	298.5	270	273	203	210	247.65	8	7/8	22	1.6	63	8	3/4	20	120	135	
	10	146	406	362	324	330	254	266	304.801	12	1	25	1.6	93	12	7/8	24	135	150	
	12	181	483	432	381	406	305	310	381.001	12	1	25	1.6	170	12	7/8	24	135	150	
	14	184	533	476	413	425	350	355	396.876	12	1 1/8	29	1.6	199	12	1	27	145	160	
	16	191	597	540	470	483	400	405	454.026	16	1 1/8	29	1.6	246	16	1	27	155	170	
	18	203	635	578	533	546	450	455	517.526	16	1 1/4	32	1.6	290	16	1 1/8	30	165	180	
	20	219	699	635	584	597	500	505	558.801	20	1 1/4	32	1.6	348	20	1 1/8	30	170	185	
	24	222	813	749.5	692	711	600	605	673.101	20	1 1/4	35	1.6	396	20	1 1/4	33	185	200	
Class 150 (ASME B16.47B API605)	28	305	837	795.5	762	—	695	700	—	40	7/8	22	1.6	1270	40	3/4	20	205	—	
	30	305	887	846	813	—	746	750	—	44	7/8	22	1.6	1987	44	3/4	20	210	—	
	32	305	941	900	864	—	796	800	—	48	7/8	22	1.6	2925	48	3/4	20	225	—	
	36	368	1057	1009.5	972	—	898	903	—	44	1	25	1.6	1430	44	7/8	24	250	—	
	42	432	1226	1171.5	1130	—	1050	1055	—	48	1 1/8	29	1.6	2377	48	1	27	275	—	
	48	524	1392	1335	1289	—	1200	1205	—	44	1 1/4	32	1.6	4174	44	1 1/8	30	305	—	

主要外形尺寸及重量 Main size of outside & weight

型号Model: H46H、H46Y

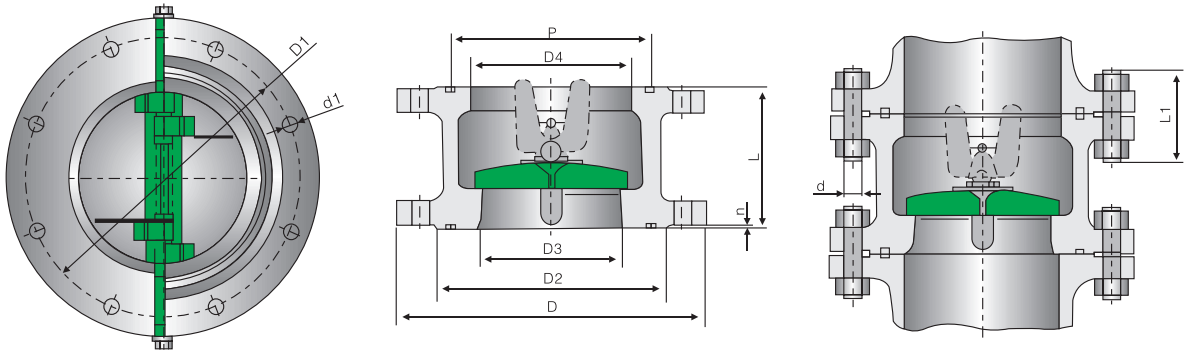
压力级 Pressure Level	NPS	尺寸 Size(mm)												重量 Weight (kg)	配管法兰(供参考) With flange (for reference)					
		L	D	D1	D2		D3	D4	P	螺孔 数量 Screw Amount	螺孔直径d1 Screw diameter d1		N		螺栓 数量 number of bolts	螺栓直径d Bolt Diameter		螺栓长度L1 Bolt Length		
					RF	RJ					in	mm				in	mm	RF	RJ	
Class 300	8	127	381	330	270	302	302	210	269.876	12	1	25	1.6	78	12	7/8	M24	155	175	
	10	146	445	387.5	324	356	356	266	323.851	16	1 1/8	29	1.6	115	16	1	M27	175	195	
	12	181	521	451	381	413	413	310	381.001	16	1 1/4	32	1.6	242	16	1 1/8	M30	185	205	
	14	222	584	514.5	413	457	457	355	419.101	20	1 1/4	32	1.6	360	20	1 1/8	M30	195	215	
	16	232	648	571.5	470	508	508	405	469.901	20	1 3/8	35	1.6	489	20	1 1/4	M33	205	225	
	18	264	711	628.5	533	575	575	455	533.401	24	1 3/8	35	1.6	558	24	1 1/4	M33	210	230	
	20	292	775	686	584	635	635	505	584.201	24	1 5/8	35	1.6	766	24	1 1/4	M33	215	230	
	24	318	914	813	692	749	749	608	692.151	24	1 1/2	41	1.6	1190	24	1 1/2	M39	250	265	
Class 300 (ASME B16.47B API605 GB/T13402)	30	368	991	921	845	-	-	740	-	36	1 3/4	38	1.6	1996	36	1 3/8	M36	290	-	
	36	483	1171	1089	1010	-	-	880	-	32	1 7/8	45	1.6	2660	36	1 5/8	M42	325	-	
	42	568	1334	1245	1168	-	-	1045	-	36	2	48	1.6	5515	36	1 3/4	M45	360	-	
	48	629	1511	1416	1327	-	-	1190	-	40	1 1/4	51	1.6	6239	40	1 7/8	M48	400	-	
Class 600	8	165	419	349	270	302	302	212	269.876	12	1 3/8	32	6.4	134	12	1 1/7	M30	210	215	
	10	213	508	432	324	356	356	266	323.851	16	1 3/8	35	6.4	234	16	1 1/4	M33	230	235	
	12	229	559	489	381	413	413	312	381.001	20	1 1/2	35	6.4	304	20	1 1/4	M33	240	245	
	14	273	603	527	413	457	457	355	419.101	20	1 5/8	38	6.4	490	20	1 3/8	M36	260	265	
	16	305	686	603	470	508	508	400	469.901	20	1 1/2	41	6.4	680	20	1 1/2	M39	280	285	
	18	362	743	654	533	575	575	450	533.401	20	1 3/4	44	6.4	978	20	1 5/8	M42	295	300	
	20	368	813	724	584	635	635	500	584.201	24	1 3/4	44	6.4	1297	24	1 5/8	M42	310	315	
	24	438	940	838	692	740	749	600	692.151	24	2	51	6.4	1554	24	1 7/8	M48	350	360	
Class 900	8	206	470	393.7	270	308	308	212	269.88	12	1 1/2	39	6.4	217	12	1 3/8	M36	245	250	
	10	241	545	469.9	324	312	362	266	323.85	16	1 1/2	39	6.4	330	16	1 3/8	M36	260	265	
	12	292	610	533.4	381	419	419	312	381	20	1 1/2	39	6.4	509	20	1 3/8	M36	275	280	
	14	356	640	558.8	413	467	467	355	419.1	20	1 5/8	42	6.4	765	20	1 1/2	M39	295	305	
	16	384	705	615.9	470	524	524	400	469.9	20	1 3/4	45	6.4	890	20	1 5/8	M42	305	315	
	18	451	785	685.8	533	594	594	450	533.4	20	2	51	6.4	1450	20	1 7/8	M48	350	365	
	20	451	855	749.3	584	648	648	496	584.2	20	1 2/8	54	6.4	1960	20	2	M52	370	385	
	24	495	1040	901.7	692	772	772	600	692.15	20	2 5/8	67	6.4	2351	20	2 1/2	M64	470	490	
Class 1500	8	206	483	393.7	270	318	318	212	269.88	12	1 3/4	45	6.4	283	12	1 5/8	M42	315	325	
	10	248	585	482.6	324	371	371	266	323.85	12	2	51	6.4	361	12	1 7/8	M48	365	375	
	12	305	675	571.5	381	438	438	312	381	16	2 1/8	54	6.4	637	16	2	M52	400	415	
	14	356	750	635	413	489	489	355	419.1	16	2 3/8	61	6.4	1097	16	2 1/4	M56	435	455	
	16	384	825	704.8	470	546	546	400	469.9	16	2 5/8	67	6.4	1152	16	2 1/2	M64	480	505	

法兰连接双瓣旋启式止回阀(国标)

Forged-case lug type double-disc swing check valve

Forged-case lug type double-disc swing check valve

法兰连接双瓣旋启式止回阀(国标)



主要外形尺寸及重量 Main size of outside & weight

型号Model: H46H、H46Y

公称压力 PN(MPa) Nominal Pressure	公称通径 DN(mm) Nominal diameter	尺寸 Size(mm)									重量 Weight (kg)	配管法兰(供参考) With flange (for reference)		
		L	D	D1	D2	D3	D4	螺孔数量 Screw Quantity	螺孔直径d1 Screw diameter d1	N		螺孔数量 Screw Quantity	螺孔直径d Screw diameter d	螺栓长度L1 Bolt Length
PN1.0MPa	200	127	335	295	265	203	210	8	23	3	34	8	M20	110
	250	146	390	350	320	254	266	12	23	3	55	12	M20	115
	300	181	440	400	368	305	310	12	23	4	72	12	M20	120
	350	184	500	460	428	350	355	16	23	4	104	16	M20	120
	400	191	565	515	482	400	405	16	26	4	146	16	M24	130
	450	203	615	565	532	450	455	20	26	4	184	20	M24	130
	500	219	670	620	585	500	505	20	26	4	223	20	M24	135
	600	222	780	725	685	600	605	20	30	5	431	20	M27	150
	700	305	895	840	800	695	700	24	30	5	460	24	M27	140
	800	305	1010	950	905	796	800	24	33	5	661	24	M30	155
PN1.6MPa	900	368	1110	1050	1005	898	903	28	33	5	754	28	M30	160
	1000	432	1220	1160	1115	1050	1055	28	36	5	1070	28	M33	160
	1200	524	1450	1380	1328	1200	1205	32	39	5	1626	32	M36	185
	200	127	335	295	265	203	210	12	23	3	34	12	M20	115
	250	146	405	355	320	254	266	12	26	3	55	12	M24	130
	300	181	460	410	375	305	310	12	26	4	72	12	M24	130
	350	184	520	470	435	350	355	16	26	4	104	16	M24	140
	400	191	580	525	485	400	405	16	30	4	146	16	M27	150
	450	203	640	585	545	450	455	20	30	4	184	20	M27	160
	500	219	705	650	608	500	505	20	34	4	223	20	M30	175
	600	222	840	770	718	600	605	20	36	5	431	20	M33	200
	700	305	910	840	788	695	700	24	36	5	460	24	M33	205
	800	305	1020	950	898	769	800	24	39	5	661	24	M36	210
	900	368	1120	1050	998	898	903	28	39	5	754	28	M36	215
	1000	432	1255	1170	1110	1050	1055	28	42	5	1080	28	M39	235
	1200	524	1485	1390	1325	1200	1205	32	48	5	1636	32	M45	250

主要外形尺寸及重量 Main size of outside & weight

型号Model: H46H、H46Y

公称压力 PN(MPa) Nominal Pressure	公称通径 DN(mm) Nominal diameter	尺寸 Size(mm)									重量 Weight (kg)	配管法兰(供参考) With flange (for reference)		
		L	D	D1	D2	D3	D4	螺孔数量 Screw Amount	螺孔直径d1 Screw diameter d1	N		螺孔数量 Screw Amount	螺孔直径d Screw diameter d	螺栓长度L1 Bolt Length
PN2.5MPa	200	127	360	310	274	203	210	12	26	3	43	12	M24	150
	250	146	425	370	330	254	266	12	30	3	65	12	M27	150
	300	181	485	430	389	305	310	16	30	4	83	16	M27	155
	350	184	550	490	448	350	355	16	33	4	126	16	M30	175
	400	191	610	550	503	400	405	16	36	4	172	16	M33	185
	450	203	660	600	548	450	455	20	36	4	205	20	M33	190
	500	219	730	660	609	500	505	20	36	4	237	20	M33	205
	600	222	840	770	720	600	605	20	39	5	434	20	M36	220
	700	305	955	875	820	695	700	24	42	5	523	24	M39	240
	800	305	1070	990	928	796	800	24	48	5	739	24	M45	250
	900	368	1180	1090	1028	898	903	28	48	5	846	28	M45	265
	1000	432	1305	1210	1140	1050	1055	28	55	5	1190	28	M52	285
	1200	524	1525	1420	1350	1200	1205	32	55	5	1755	32	M52	290

主要外形尺寸及重量 Main size of outside & weight

型号Model: H46H、H46Y

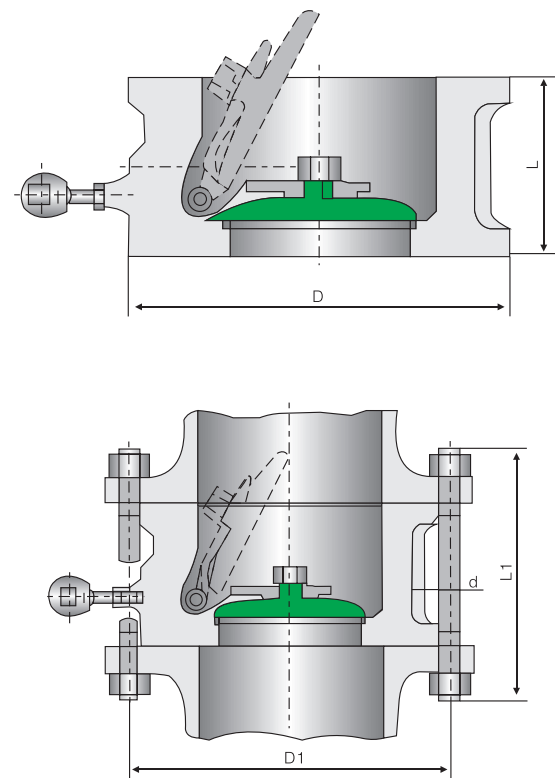
公称压力 PN(MPa) Nominal Pressure	公称通径 DN (mm) Nominal diameter	尺寸 Size(mm)										重量 Weight (kg)	配管法兰(供参考) With flange (for reference)			
		L	D	D1	D2	D3	D4	P	螺孔数量 Screw Amount	螺孔直径d1 Screw diameter d1	N		螺孔数量 Screw Amount	螺孔直径d Screw diameter d	螺栓长度L1 Bolt Length	
PN4.0MPa	200	127	375	320	282	210	210	—	12	30	3	40	12	M27	155	—
	250	146	445	385	345	266	266	—	12	33	3	67	12	M30	175	—
	300	181	510	450	408	310	310	—	16	33	4	98	16	M30	180	—
	350	222	570	510	465	355	355	—	16	36	4	143	16	M33	195	—
	400	232	655	585	535	405	405	—	16	39	4	232	16	M36	225	—
	450	264	680	610	560	455	455	—	20	39	4	242	20	M36	230	—
	500	292	755	670	612	505	505	—	20	42	4	317	20	M39	245	—
	600	318	890	795	730	608	605	—	20	48	5	481	20	M45	260	—
PN6.3MPa	200	165	405	345	300	200	210	265	12	36	3	56	12	M33	175	190
	250	213	470	400	352	250	266	320	12	36	3	89	12	M33	195	210
	300	229	530	460	412	305	310	375	16	36	4	132	16	M33	215	230
	350	273	595	525	475	350	355	420	16	39	4	199	16	M36	240	255
	400	305	670	585	525	400	405	480	16	42	4	322	16	M39	260	275
PN10.0MPa	150	136	350	290	250	152	160	205	12	33	3	38	12	M30	180	195
	200	165	430	360	312	200	210	265	12	36	3	79	12	M33	210	225
	250	213	500	430	382	250	266	320	12	39	3	127	12	M36	230	245
	300	229	585	500	442	305	310	375	16	42	4	189	16	M39	260	275
	350	273	655	560	498	350	355	420	16	48	4	294	16	M45	285	305
	400	305	715	620	558	400	405	480	16	48	4	445	16	M45	295	315

对夹单瓣旋启式止回阀(美标长结构)

Single-disc swing wafercheck valve

Single-disc swing wafercheck valve

对夹单瓣旋启式止回阀(美标长结构)



主要外形尺寸及重量 Main size of outside & weight

型号Model: H74H、H74Y

压力级 Pressure Level	NPS	尺寸 Size(mm)		重量 Weight (kg)	配管法兰(供参考) With flange (for reference)					
		L	D		螺栓孔中心圆直径D1 Bolt hole center circle diameter D1	螺栓数量 Screw Quantity	螺栓直径d Bolt Diameter		螺栓长度L1 Bolt Length	
							in	mm	RF	RJ
Class 150	2	60	103	3	120.5	4	5/8	M16	140	155
	2 1/2	67	122	4	139.5	4	5/8	M16	150	165
	3	73	135	5	152.5	4	5/8	M16	160	175
	4	73	173	8	190.5	8	5/8	M16	170	185
	5	86	195	10	216.0	8	3/4	M20	190	205
	6	98	220	16	241.5	8	3/4	M20	205	220
	8	127	277	30	298.5	8	3/4	M20	240	255
	10	146	337	47	362.0	12	7/8	M24	270	285
	12	181	407	65	432.0	12	7/8	M24	310	325
	14	184	448	102	476.0	12	1	M27	325	340
	16	191	512	137	540.0	16	1	M27	340	355
	18	203	547	166	578.0	16	1 1/8	M30	365	380
	20	219	604	193	635.0	20	1 1/8	M30	385	400
	24	222	715	397	749.5	20	1 1/4	M33	405	420

主要外形尺寸及重量 Main size of outside & weight

型号Model: H74H、H74Y

压力级 Pressure Level	NPS	尺寸 Size(mm)		重量 Weight (kg)	配管法兰(供参考) With flange (for reference)					
		L	D		螺栓孔中心圆直径D1 Bolt hole center circle diameter D1	螺栓数量 Screw Quantity	螺栓直径d Bolt Diameter		螺栓长度L1 Bolt Length	
							in	mm	RF	RJ
Class 300	2	60	110	4	127.0	8	5/8	M16	155	175
	2 1/2	67	128	5	149.0	8	3/4	M20	175	195
	3	73	147	7	168.5	8	3/4	M20	190	210
	4	73	179	10	200.0	8	3/4	M20	195	215
	5	86	214	18	235.0	8	3/4	M20	215	235
	6	98	249	22	270.0	12	3/4	M20	230	250
	8	127	305	37	300.0	12	7/8	M24	280	300
	10	146	359	61	387.5	16	1	M27	315	335
	12	181	420	92	451.0	16	1 1/8	M30	365	385
	14	222	483	140	514.5	20	1 1/8	M30	410	430
	16	232	537	228	571.5	20	1 1/4	M33	435	455
	18	264	594	240	628.5	24	1 1/4	M33	475	495
	20	292	652	318	686.0	24	1 1/4	M33	510	535
	24	318	772	492	813.0	24	1 1/2	M39	560	585
Class 600	2	60	110	5	127.0	8	5/8	M16	175	180
	2 1/2	67	128	6	149.0	8	3/4	M20	195	200
	3	73	147	10	168.5	8	3/4	M20	210	215
	4	79	191	13	216.0	8	7/8	M24	235	240
	5	105	239	24	267.0	8	1	M27	280	285
	6	136	264	31	292.0	12	1	M27	320	325
	8	165	318	66	349.0	12	1 1/8	M30	370	375
	10	213	398	114	432.0	16	1 1/4	M33	440	445
	12	229	455	168	489.0	20	1 1/4	M33	460	465
	14	273	490	268	527.0	20	1 3/8	M36	520	525
	16	305	562	432	603.0	20	1 1/2	M39	575	580
	18	362	610	474	654.0	20	1 5/8	M42	650	655
	20	368	680	622	724.0	24	1 5/8	M42	670	680
	24	438	786	1003	838.0	24	1 7/8	M48	780	790
Class 900	2	70	140	10	165.0	8	7/8	M24	225	230
	2 1/2	83	162	13	190.5	8	1	M27	250	255
	3	83	165	17	190.5	8	7/8	M24	240	245
	4	102	204	24	235.0	8	1 1/8	M30	285	290
	5	110	245	36	279.5	8	1 1/4	M33	310	315
	6	159	286	50	317.5	12	1 1/8	M30	365	370
	8	206	356	101	393.5	12	1 3/8	M36	440	445
	10	241	432	174	470.0	16	1 3/8	M36	490	495
	12	292	495	264	533.5	20	1 3/8	M36	560	565
	14	356	518	420	559.0	20	1 1/2	M39	645	655
	16	384	572	564	616.0	20	1 5/8	M42	685	695
	18	451	635	726	686.0	20	1 7/8	M48	790	805
	20	451	695	984	749.5	20	2	M52	810	825
	24	495	835	1260	901.5	20	2 1/2	M64	945	965

对夹单瓣旋启式止回阀(美标长结构)

Single-disc swing wafercheck valve

主要外形尺寸及重量 Main size of outside & weight

型号Model: H74H、H74Y

公称压力 PN(MPa) Nominal Pressure	公称通径 DN(mm) Nominal diameter	尺寸 Size(mm)		重量 Weight (kg)	配管法兰(供参考) With flange (for reference)			
		L	D		螺栓孔中心圆直径D1 Bolt hole center circle diameter D1	螺孔数量 Screw Quantity	螺栓直径d Bolt Diameter	螺栓长度L1 Bolt Length
PN1.0MPa	50	60	108	3	125	4	16	150
	65	67	128	4	145	4	16	155
	80	73	142	5	160	8	16	160
	100	73	162	7	180	8	16	165
	125	86	192	10	210	8	16	180
	150	98	218	16	240	8	20	205
	200	127	273	30	295	8	20	235
	250	146	328	47	350	12	20	255
	300	181	378	77	400	12	20	290
	350	184	438	102	460	16	20	295
	400	191	489	137	515	16	24	310
	450	203	539	166	565	20	24	325
	500	219	594	193	620	20	24	345
	600	222	696	300	725	20	27	355
PN1.6MPa	50	60	108	3	125	4	16	150
	65	67	128	4	145	4	16	155
	80	73	142	5	160	8	16	160
	100	73	162	7	180	8	16	165
	125	86	192	10	210	8	16	180
	150	98	218	16	240	8	20	205
	200	127	273	30	295	12	20	235
	250	146	329	47	355	12	24	265
	300	181	384	77	410	12	24	305
	350	184	444	102	470	16	24	310
	400	191	496	137	525	16	27	330
	450	203	556	166	585	20	27	345
	500	219	618	193	650	20	30	370
	600	222	732	300	770	20	33	380
PN2.5MPa	50	60	108	3	125	4	16	150
	65	67	128	4	145	8	16	160
	80	73	142	5	160	8	16	170
	100	73	168	7	190	8	20	180
	125	86	194	10	220	8	24	205
	150	98	224	17	250	8	24	220
	200	127	284	32	310	12	24	255
	250	146	341	50	370	12	27	285
	300	181	401	65	430	16	27	325
	350	184	458	103	490	16	30	340
	400	191	515	144	550	16	33	360
	450	203	565	178	600	20	33	375
	500	219	622	198	660	20	33	395
	600	222	732	290	770	20	36	410

Single-disc swing wafercheck valve

对夹单瓣旋启式止回阀(国标长结构)

主要外形尺寸及重量 Main size of outside & weight

型号Model: H74H、H74Y

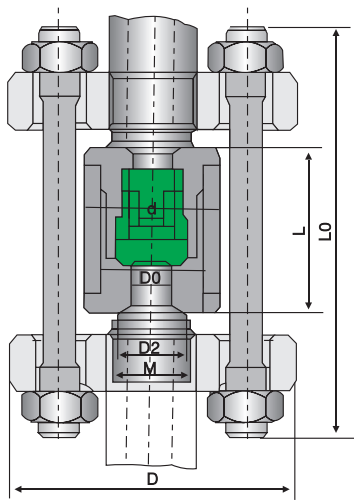
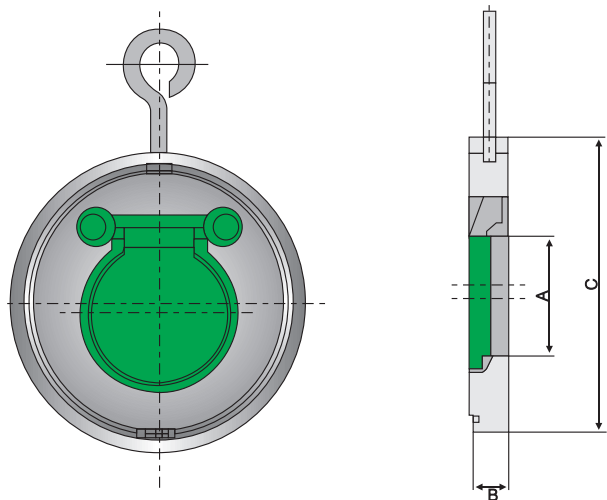
公称压力 PN(MPa) Nominal Pressure	公称通径 DN(mm) Nominal diameter	尺寸 Size(mm)		重量 Weight (kg)	配管法兰(供参考) With flange (for reference)				
		L	D		螺栓孔中心圆直径D1 Bolt hole center circle diameter D1	螺孔数量 Screw Quantity	螺栓直径d Bolt Diameter	螺栓长度L1 Bolt Length	
								RF、 MFM	RJ
PN4.0MPa	50	60	108	4	125	4	16	150	—
	65	67	128	5	145	8	16	160	—
	80	73	142	7	160	8	16	170	—
	100	73	168	10	190	8	20	180	—
	125	86	194	16	220	8	24	205	—
	150	98	224	19	250	8	24	220	—
	200	127	291	34	320	12	27	270	—
	250	146	353	59	385	12	30	300	—
	300	181	418	91	450	16	30	345	—
	350	222	475	137	510	16	33	400	—
	400	232	547	228	585	16	36	425	—
	450	264	572	240	610	20	36	470	—
	500	292	626	312	670	20	39	505	—
	600	318	745	485	795	20	45	575	—
PN6.3MPa	50	60	114	5	135	4	20	170	185
	65	67	138	6	160	8	20	180	195
	80	73	148	8	180	8	20	190	205
	100	79	174	12	200	8	24	210	225
	125	105	211	19	240	8	27	250	265
	150	136	248	24	280	8	30	290	305
	200	165	310	46	345	12	33	335	350
	250	213	362	74	400	12	33	395	410
	300	229	422	120	460	16	33	420	435
	350	273	487	192	525	16	36	480	495
	400	305	541	312	585	16	39	525	540
	PN10.0MPa	50	60	120	6	145	4	24	185
65		67	144	8	170	8	24	195	210
80		73	154	12	180	8	24	205	220
100		79	181	14	210	8	27	225	240
125		105	218	23	250	8	30	265	280
150		136	258	30	290	12	30	305	320
200		165	324	67	360	12	33	355	370
250		213	392	113	430	12	36	425	440
300		229	456	170	500	16	39	465	480
350		273	510	276	560	16	45	535	550
400		305	570	439	620	16	45	585	600

薄型对夹单瓣旋启式止回阀

Wafer single-disc swing check valve

Wafer Type and Vertical lift Check Valves

对夹立式止回阀



主要外形尺寸及重量 Main size of outside & weight

型号Model: H74H、H74Y

口径 Caliber	A	B	C				
			PN10	PN16	BS10D	BS10E	ASNI#150
50	30	19	108	108	97	97	104
65	40	19	128	128	110	110	123
80	52	19	143	143	129	129	136
100	71	19	163	163	161	161	174
120	93	19	293	193	193	193	196
150	114	19	219	219	218	215	221
200	157	28.5	274	274	274	272	273
250	195	28.5	329	329	335	335	339
300	230	38.0	379	385	385	383	409
350	270	44.5	438	444	446	446	449
400	310	51.0	489	496	496	496	512
450	360	60.5	538	555	559	559	545
500	406	63.5	593	616	616	616	602
600	490	70.0	695	733	727	724	714

主要外形尺寸及重量 Main size of outside & weight

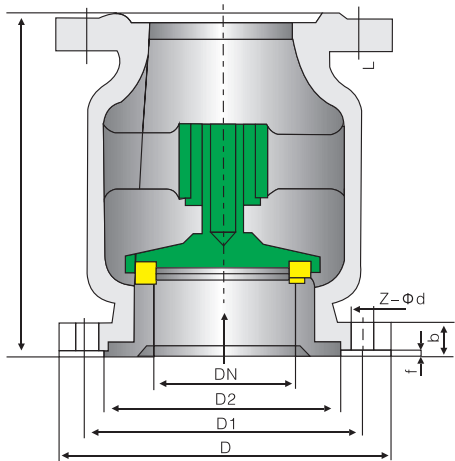
公称压力 PN	主要外形尺寸和连接尺寸 (mm) Main external and connecting dimensions							
	DN	D	M	D2	D0	L0	b	L
16.0MPa	15	95	M24X2	20	16	145	42	60
	25	105	M33X2	28	23	155	50	65
	32	115	M42X2	37	29	175	62	80
	40	165	M52X2	42	39	215	72	90
	50	165	M64X2	58	50	245	88	115
	65	200	M80X2	73	65	300	115	140
	80	225	M100X2	93	80	345	135	160
32.0MPa	15	105	M33X2	27	17	155	50	65
	25	115	M42X2	35	22	175	62	80
	32	135	M48X2	41	30	200	72	90
	40	165	M60X2	58	42	245	88	115
	50	200	M80X2	70	58	300	115	140
	65	215	M100X2	90	68	345	135	160
	80	260	M125X2	112	85	395	165	185

立式止回阀

Vertical Check Valve

Vertical Check Valve

立式止回阀



主要性能规范 Main Performance Specifications

型号 Model	公称压力PN/MPa Nominal pressure	试验压力MPa Test pressure		适用温度℃ Suitable temperature	适用介质 Applicable medium
		壳体 Shell	密封 Seal		
H42H-16C	1.6	2.4	1.76	≤425	水、蒸汽、油品 Water, steam, oil
H42H-25	2.5	3.75	2.75		
H42H-40	4.0	6.0	4.4		

主要零件材料 Main parts and materials

零件名称 Part Name	阀体 Body	阀瓣、阀座 Flap valve, valve seat	导向套 Guide sleeve
材料 Materials	碳素铸钢 Carbon Steel	铬不锈钢 Chrome stainless steel	铬不锈钢 Chrome stainless steel

主要外形尺寸及重量 Main size of outside & weight

H42H-25、H42W-25、H42W-25P、H42W-25R

公称通径 DN(mm) Nominal diameter	尺寸 Size (mm)							重量(kg) Weight
	L	D	D1	D2	b	f	Z-Φd	
15	80	95	65	45	16	—	4-Φ14	
20	90	105	75	55	16	—	4-Φ14	
25	100	115	85	65	16	—	4-Φ14	
32	110	135	100	78	16	—	4-Φ18	
40	120	145	110	88	18	—	4-Φ18	
50	140	160	125	100	20	3	4-Φ18	7.7
65	160	180	145	120	22	3	8-Φ18	10.8
80	185	195	160	135	22	3	8-Φ18	11.9
100	210	230	190	160	24	3	8-Φ23	19.1
125	275	275	220	188	28	3	8-Φ25	—
150	300	300	250	218	30	3	8-Φ25	46.4
200	380	360	310	278	34	3	12-Φ25	63.5

主要外形尺寸及重量 Main size of outside & weight

H42W-40P、H42W-40R、H42Y-40

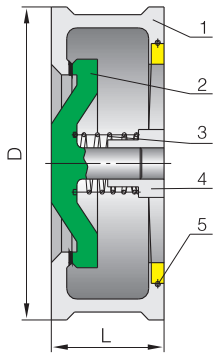
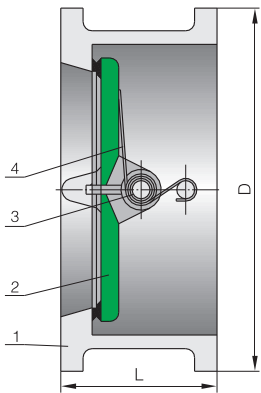
公称通径 DN(mm) Nominal diameter	尺寸 Size (mm)									重量(kg) Weight
	L	D	D1	D2	D6	f	f1	b	Z-Φd	
15	80	95	65	45	40	2	4	16	4-Φ14	—
20	90	105	75	55	51	2	4	16	4-Φ14	—
25	100	115	85	65	58	2	4	16	4-Φ14	—
32	110	135	100	78	66	2	4	18	4-Φ18	—
40	120	145	110	88	76	3	4	18	4-Φ18	—
50	140	160	125	102	88	3	4	20	4-Φ18	7.7
65	160	180	145	122	110	3	4	22	8-Φ18	10.8
80	185	195	160	135	121	3	4	22	8-Φ18	11.9
100	210	230	190	160	150	3	4.5	24	8-Φ23	19.1
125	275	270	220	188	176	3	4.5	28	8-Φ25	—
150	300	300	250	218	204	3	4.5	30	8-Φ25	46.4
200	380	375	310	282	260	3	4.5	38	12-Φ30	63.5

对夹连接升降式止回阀

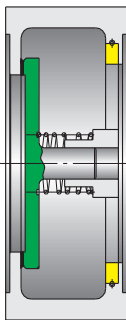
Wafer type piston-lift check valve

Wafer type piston-lift check valve

对夹连接升降式止回阀



PN1.0、2.5MPa



PN≥4.0MPa

产品采用标准 Technical specification

结构形式 Structural formation	双瓣旋启式止回阀 Dual-disc swing type check valve
设计标准 Design standard	API 594
结构长度 Face to face	ASME B16.0
连接法兰 Flanged ends	ASME B16.5
试验和检验 Test & 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。
Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	ASTM A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣 Disc	ASTM A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
3	销轴 Pivot	ASTM A182 Gr.F6a、ASTM A182 F22、ASTM A182-F304、F316、F321、F304L、F316L
4	弹簧 Spring	AISI 9260、AISI 6150、ASTM A182-F304、F316、F321、F304L、F316L

主要外形尺寸及重量 Main size of outside & weight

型号Model: H76H、H76Y

Class	DN (mm)	NPS (in)	尺寸 Dimensions(mm)		重量 Weight (kg)	Class	DN (mm)	NPS (in)	尺寸 Dimensions(mm)		重量 Weight (kg)	Class	DN (mm)	NPS (in)	尺寸 Dimensions(mm)		重量 Weight (kg)
			L	D					L	D					L	D	
150	50	2	60	103	2	300	50	2	60	110	3.5	600	50	2	60	110	3.5
	65	2 1/2	67	122	3.2		65	2 1/2	67	148	5		65	2 1/2	67	129	5
	80	3	73	135	4		80	3	73	248	7		80	3	73	148	7
	100	4	73	173	6		100	4	73	180	10		100	4	79	192	12
	125	5	86	196	9		125	5	86	215	18.5		125	5	105	240	22.5
	150	6	98	222	12		150	6	98	250	19		150	6	137	265	35
	200	8	127	279	22		200	8	127	307	33		200	8	165	319	45
	250	10	146	339	38		250	10	146	361	54		250	10	213	399	77
	300	12	181	409	54		300	12	181	422	88		300	12	229	456	110
	350	14	184	450	80		350	14	222	485	128		350	14	273	489	135
	400	16	191	514	118		400	16	232	539	169		400	16	305	562	163
	450	18	203	549	210		450	18	222	549	210	900	50	2	70	142	6.5
	500	20	219	606	240		500	20	219	606	240		65	2 1/2	83	164	9
	600	24	222	717	410		600	24	222	717	410		80	3	83	167	14
													100	4	102	205	24
													150	6	159	288	43
													200	8	206	358	56

产品采用标准 Technical specification

结构形式 Structural formation	对夹升降立式止回阀 Butt-clamped lifting vertical type check valve
设计标准 Design standard	GB/T 12224
结构长度 Face to face	GB/T 15188.2
连接法兰 Flanged ends	JB/T 79、GB/T9113、HG20592
试验和检验 Test & inspection	JB/T9092

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

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	WCB、CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣 Disc	WCB、CF8、CF8M、CF8C、CF3、CF3M
3	弹簧 Spring	4Cr13、60Si2Mn、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti
4	压板 Plate	WCB、CF8、CF8M、CF8C、CF3、CF3M
5	挡圈 Lock ring	4Cr13、60Si2Mn、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti

主要外形尺寸及重量 Main size of outside & weight

型号Model: H72H、H72Y

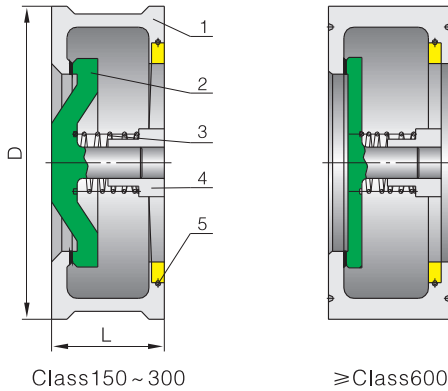
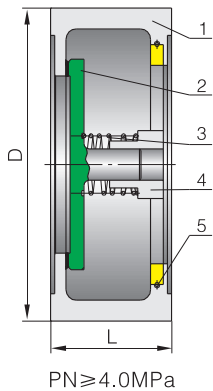
PN (MPa)	DN (mm)	尺寸 Dimensions(mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions(mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions(mm)		重量 Weight (kg)
		L	D				L	D				L	D	
1.0 1.6	15	16	53	0.15	2.5	15	16	53	0.2	4.0	15	25	63	0.3
	20	19	63	0.25		20	19	63	0.3		20	31.5	74	0.4
	25	22	73	0.4		25	22	73	0.45		25	35.5	84	0.6
	32	28	84	0.55		32	28	84	0.6		32	40	90	1.0
	40	31.5	94	0.75		40	31.5	94	0.8		40	45	105	1.5
	50	40	109	1.2		50	40	109	1.2		50	56	115	2.0
	65	46	129	2.0		65	46	129	2.3		65	63	140	3.2
	80	50	144	2.6		80	50	144	3.0		80	71	150	7.2
	100	60	164	5.7		100	60	170	7.0		100	80	177	11
	125	90	194	10		125	90	197	12		125	110	213	18
	150	106	220	13		150	106	220	13		150	125	250	22

对夹连接升降式止回阀

Wafer type piston-lift check valve

Wafer type piston-lift check valve

对夹连接升降式止回阀



产品采用标准 Technical specification

结构形式 Structural formation	对夹升降立式止回阀 Butt-clamped lifting vertical type check valve
设计标准 Design standard	GB/T 12224
结构长度 Face to face	GB/T 15188.2
连接法兰 Flanged ends	JB/T 79、GB/T9113、HG20592
试验和检验 Test & inspection	JB/T9092

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

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	WCB、CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣 Disc	WCB、CF8、CF8M、CF8C、CF3、CF3M
3	弹簧 Spring	4Cr13、60Si2Mn、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti
4	压板 Plate	WCB、CF8、CF8M、CF8C、CF3、CF3M
5	挡圈 Lock ring	4Cr13、60Si2Mn、1Cr18Ni9Ti、0Cr18Ni12Mo2Ti

主要外形尺寸及重量 Main size of outside & weight

型号Model: H72H、H72Y

PN (MPa)	DN (mm)	尺寸 Dimensions(mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions(mm)		重量 Weight (kg)	PN (MPa)	DN (mm)	尺寸 Dimensions(mm)		重量 Weight (kg)
		L	D				L	D				L	D	
6.4	15	25	63	0.3	10.0	15	25	63	0.3	16.0	15	25	59	0.3
	20	31.5	74	0.4		20	31.5	74	0.4		20	31.5	70	0.4
	25	35.5	84	0.6		25	35.5	84	0.6		25	35.5	80	0.6
	32	40	90	1.0		32	40	90	1.0		32	40	93	1.0
	40	45	105	1.5		40	45	105	1.5		40	45	101	1.5
	50	56	115	2.0		50	56	122	2.2		50	56	143	2.2
	65	63	140	3.2		65	63	147	3.5		65	63	163	3.5
	80	71	150	7.2		80	71	157	7.5		80	71	178	7.5
	100	80	177	11		100	80	183	12		100	80	210	12
	125	110	213	18		125	110	220	18		125	110	249	19
	150	125	250	22		150	125	260	24		150	125	282	24

产品采用标准 Technical specification

结构形式 Structural formation	对夹升降立式止回阀 Butt-clamped lifting vertical type check valve
设计标准 Design standard	API 594
结构长度 Face to face	ASME B16.10
连接法兰 Flanged ends	ASME B16.5
试验和检验 Test & 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。
Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	ASTM A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
2	阀瓣 Disc	ASTM A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
3	弹簧 Spring	AISI 9260、AISI 6150、ASTM A182-F304、F316、F321、F304L、F316L
4	压板 Plate	ASTM A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
5	挡圈 Lock ring	AISI 9260、AISI 6150、ASTM A182-F304、F316、F321、F304L、F316L

主要外形尺寸及重量 Main size of outside & weight

型号Model: H72H、H72Y

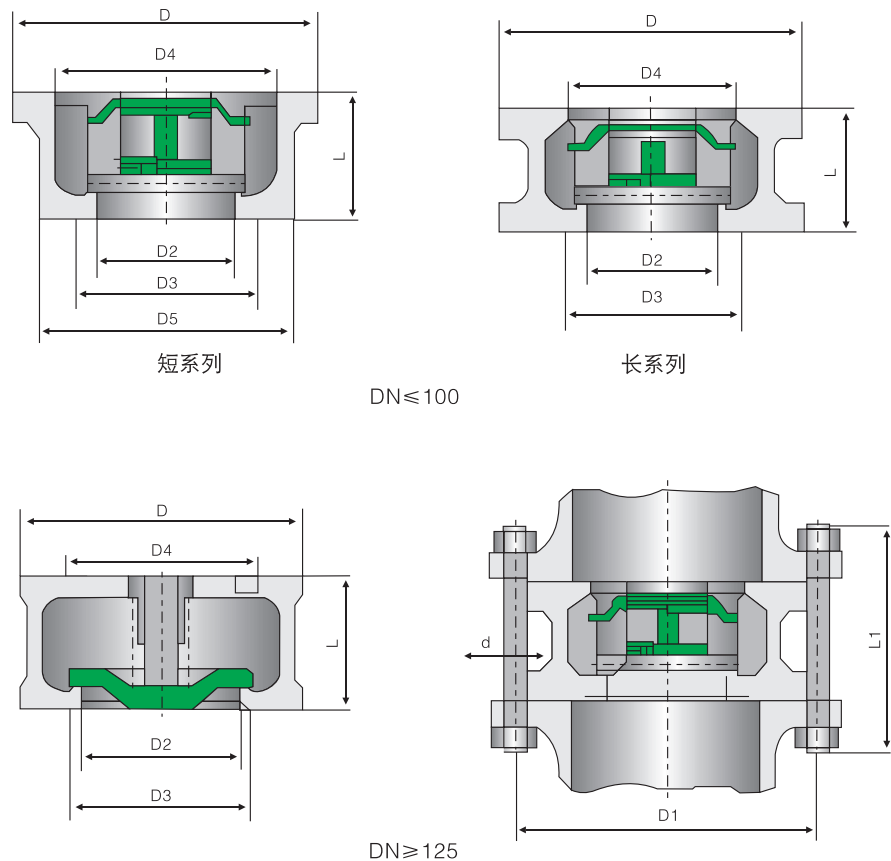
Class		150			300			600			900		
DN (mm)	NPS (in)	尺寸 Dimensions(mm)		重量 Weight (kg)	尺寸 Dimensions(mm)		重量 Weight (kg)	尺寸 Dimensions(mm)		重量 Weight (kg)	尺寸 Dimensions(mm)		重量 Weight (kg)
		L	D		L	D		L	D		L	D	
15	1/2	16	47	0.2	25	53	0.23	25	53	0.25	25	63	0.3
20	3/4	19	57	0.3	31.5	65	0.36	31.5	65	0.38	31.5	69	0.4
25	1	22	66	0.45	35.5	72	0.52	35.5	72	0.55	35.5	78	0.6
32	1 1/4	28	75	0.6	40	81	0.75	40	81	0.8	40	88	1.0
40	1 1/2	31.5	85	0.8	45	95	1.1	45	95	1.2	45	98	1.5
50	2	40	103	1.2	56	110	1.95	56	110	2.0	56	142	2.5
65	2 1/2	46	122	2.3	63	129	2.9	63	129	2.0	63	164	4.0
80	3	50	135	3.0	71	148	5.5	71	148	6.0	71	167	8.0
100	4	60	173	7.0	80	180	9.0	80	192	10	80	205	13
125	5	90	196	12	110	215	15	110	240	17	110	247	20
150	6	106	222	15	125	250	20	125	265	22	125	288	25

对夹升降式止回阀(美标)

Wafer rising check valve

Wafer rising check valve

对夹升降式止回阀(美标)



主要外形尺寸及重量 Main size of outside & weight

型号Model: H71H、H71Y

压力级 Pressure Level	NPS	尺寸 Size(mm)					重量 Weight (kg)	配管法兰(供参考) With flange (for reference)					
		L	D	D2	D3	D4		螺栓孔中心 圆直径D1 Bolt hole center circle diameter D1	螺栓数量 number of bolts	螺栓直径d Bolt Diameter		螺栓长度L1 Bolt Length	
										in	mm	RF	RJ
Class 150	1/2	25	46	15	25	25	0.28	60.5	4	1/2	M14	90	—
	3/4	31.5	56	19	30	30	0.42	70	4	1/2	M14	100	—
	1	35.5	65	24	36	36	0.56	79.5	4	1/2	M14	105	120
	1 1/4	40	74	31	43	43	0.75	89	4	1/2	M14	115	130
	1 1/2	45	84	39	52	52	1.3	98.5	4	1/2	M14	120	135
	2	56	103	48	62	62	2.1	120.5	4	5/8	M16	140	155
	2 1/2	63	122	62	75	75	2.8	139.5	4	5/8	M16	155	170
	3	71	135	76	90	90	3.6	152.5	4	5/8	M16	165	180
	4	80	173	95	112	112	4.8	190.5	8	5/8	M16	175	190
	5	110	195	110	125	132	12	216.0	8	3/4	M20	210	225
	6	125	220	127	150	158	17	241.5	8	3/4	M20	230	245
	8	160	277	165	200	208	29	298.5	8	3/4	M20	270	285

主要外形尺寸及重量 Main size of outside & weight

型号Model: H71H、H71Y

压力级 Pressure Level	NPS	尺寸 Size(mm)					重量 Weight (kg)	配管法兰(供参考) With flange (for reference)					
		L	D	D2	D3	D4		螺栓孔中心 圆直径D1 Bolt hole center circle diameter D1	螺栓数量 number of bolts	螺栓直径d Bolt Diameter		螺栓长度L1 Bolt Length	
										in	mm	RF	RJ
Class 300	1/2	25	52	15	25	25	0.3	66.5	4	1/2	M14	95	105
	3/4	31.5	65	19	30	30	0.46	82.5	4	5/8	M16	110	125
	1	35.5	72	24	36	36	0.6	89	4	5/8	M16	115	130
	1 1/4	40	81	31	43	43	0.8	98.5	4	5/8	M16	125	140
	1 1/2	45	94	39	52	52	1.5	114.5	4	3/4	M20	140	155
	2	56	110	48	62	62	2.4	127.0	8	5/8	M16	145	170
	2 1/2	63	128	62	75	75	3.0	149.0	8	3/4	M20	170	190
	3	71	147	76	90	90	4.0	168.5	8	3/4	M20	185	205
	4	80	179	95	112	112	5.5	200.0	8	3/4	M20	200	220
	5	110	214	110	125	132	13	235.0	8	3/4	M20	235	255
	6	125	249	127	150	158	22	270.0	12	3/4	M20	255	275
	8	160	305	165	200	208	36	330.0	12	7/8	M24	305	325
Class 600	1/2	25	52	15	25	25	0.4	66.5	4	1/2	M14	95	105
	3/4	31.5	65	19	30	30	0.8	82.5	4	5/8	M16	110	125
	1	35.5	72	24	36	36	1.0	89.0	4	5/8	M16	115	130
	1 1/4	40	81	31	43	43	1.3	98.5	4	5/8	M16	125	140
	1 1/2	45	94	39	52	52	1.8	114.5	4	3/4	M20	145	160
	2	56	110	48	62	62	2.8	127.0	8	5/8	M16	155	170
	2 1/2	63	128	62	75	75	4	149.0	8	3/4	M20	175	195
	3	71	147	76	90	90	6	168.5	8	3/4	M20	190	210
	4	80	191	95	112	112	11	216.0	8	7/8	M24	220	240
	5	110	239	110	125	132	25	267.0	8	1	M27	265	285
	6	125	264	127	150	158	32	292.0	12	1	M27	290	310
	8	160	318	165	200	208	52	349.0	12	1 1/8	M30	345	365
Class 900	1/2	25	62	15	25	25	0.6	82.5	4	3/4	M20	125	140
	3/4	31.5	69	19	30	30	0.9	89.0	4	3/4	M20	135	150
	1	35.5	77	24	36	36	1.2	101.5	4	7/8	M24	155	170
	1 1/4	40	87	31	43	43	1.5	111.0	4	7/8	M24	160	175
	1 1/2	45	97	39	52	52	2.0	124.0	4	1	M27	175	190
	2	56	140	48	62	62	5.5	165.0	8	7/8	M24	195	210
	2 1/2	63	162	62	75	75	7.5	190.5	8	1	M27	215	230
	3	71	165	76	90	90	8	190.5	8	7/8	M24	210	225
	4	80	204	95	112	112	14	235.0	8	1 1/8	M30	245	260
	5	110	245	110	125	132	27	279.5	8	1 1/4	M33	290	310
	6	125	286	127	150	158	41	317.5	12	1 1/8	M30	310	325
	8	160	356	165	200	208	76	393.5	12	1 3/8	M36	375	390

对夹升降式止回阀(国标)

Wafer rising check valve

Wafer rising check valve

对夹升降式止回阀(国标)

主要外形尺寸及重量 Main size of outside & weight

型号Model: H71H、H71Y

公称压力 PN(MPa) Nominal Pressure	公称通径 DN(mm) Nominal diameter	尺寸 Size(mm)					重量 Weight (kg)	配管法兰(供参考) With flange (for reference)			
		L	D	D2	D3	D4		螺栓孔中心 圆直径D1 Bolt hole center circle diameter D1	螺栓数量 number of bolts	螺栓直径d Bolt Diameter	螺栓长度L1 Bolt Length
PN1.0MPa PN1.6MPa (长系列)	15	25	52	15	25	25	0.3	65	4	M12	90
	20	31.5	62	19	30	30	0.45	75	4	M12	100
	25	35.5	72	24	36	36	0.6	85	4	M12	105
	32	40	83	31	43	43	0.8	100	4	M16	115
	40	45	93	39	52	52	1.4	110	4	M16	120
	50	56	108	48	62	62	2.3	125	4	M16	140
	65	63	128	62	75	75	3.0	145	4	M16	150
	80	71	142	76	90	90	3.8	160	8	M16	155
	100	80	162	95	112	112	5.0	180	8	M16	170
	125	110	192	110	125	132	11	210	8	M16	200
	150	125	218	127	150	158	16	240	8	M20	225
	200	160	273	165	200	208	28	295	8	M20	260
PN2.5MPa (长系列)	15	25	52	15	25	25	0.3	65	4	M12	90
	20	31.5	62	19	30	30	0.45	75	4	M12	100
	25	35.5	72	24	36	36	0.6	85	4	M16	105
	32	40	83	31	43	43	0.8	100	4	M16	115
	40	45	93	39	52	52	1.4	110	4	M16	120
	50	56	108	48	62	62	2.3	125	4	M16	140
	65	63	128	62	75	75	3.0	145	8	M16	150
	80	71	142	76	90	90	3.8	160	8	M20	165
	100	80	168	95	112	112	5.3	190	8	M24	180
	125	114	194	110	125	132	12	220	8	M24	225
	150	125	224	127	150	158	18	250	8	M24	245
	200	160	284	165	200	208	30	310	12	M12	285
PN4.0MPa (长系列)	15	25	52	15	25	25	0.3	65	4	M12	90
	20	31.5	62	19	30	30	0.45	75	4	M12	100
	25	35.5	72	24	36	36	0.6	85	4	M16	105
	32	40	83	31	43	43	0.8	100	4	M16	115
	40	45	93	39	52	52	1.4	110	4	M16	120
	50	56	108	48	62	62	2.3	125	4	M16	140
	65	63	128	62	75	75	3.0	145	8	M16	150
	80	71	142	76	90	90	3.8	160	8	M16	165
	100	80	168	95	112	112	5.3	190	8	M20	180
	125	110	194	110	125	132	13	220	8	M24	225
PN6.4MPa	15	25	62	15	25	25	0.5	75	4	M12	100
	20	31.5	73	19	30	30	0.7	90	4	M16	115
	25	35.5	83	24	36	36	1.0	100	4	M16	130
	32	40	89	31	43	43	1.3	110	4	M20	140
	40	45	104	39	52	52	2.0	125	4	M20	150
	50	56	114	48	62	62	3.2	135	4	M20	160
	65	63	138	62	75	75	4.5	160	8	M20	170
	80	71	148	76	90	90	5	170	8	M20	180
	100	80	174	95	112	112	7	200	8	M24	200
	125	110	211	110	125	132	13	240	8	M27	245
	150	125	248	127	150	158	22	280	8	M30	270
	200	160	310	165	200	208	40	345	12	M33	325

主要外形尺寸及重量 Main size of outside & weight

型号Model: H71H、H71Y

公称压力 PN(MPa) Nominal Pressure	公称通径 DN(mm) Nominal diameter	尺寸 Size(mm)					重量 Weight (kg)	配管法兰(供参考) With flange (for reference)			
		L	D	D2	D3	D4		螺栓孔中心 圆直径D1 Bolt hole center circle diameter D1	螺栓数量 number of bolts	螺栓直径d Bolt Diameter	螺栓长度L1 Bolt Length
PN10.0MPa	15	25	62	15	25	25	0.6	75	4	M12	100
	20	31.5	73	19	30	30	1.0	90	4	M16	115
	25	35.5	83	24	36	36	1.3	100	4	M16	130
	32	40	89	31	43	43	1.6	110	4	M20	140
	40	45	104	39	52	52	2.5	125	4	M20	150
	50	56	120	48	62	62	3.8	145	4	M24	175
	65	63	144	62	75	75	6	170	8	M24	185
	80	71	154	76	90	90	7	180	8	M24	195
	100	80	181	95	112	112	10	210	8	M27	220
	125	110	218	110	125	132	18	250	8	M30	265
	150	125	258	127	150	158	30	290	12	M30	285
	200	160	324	165	200	208	56	360	12	M33	345
PN16.0MPa (JB/T74~90)	15	25	58	15	25	25	0.6	75	4	M16	70
	20	31.5	69	19	30	30	0.9	90	4	M20	8
	25	35.5	79	24	36	36	1.3	100	4	M20	90
	32	40	92	31	43	43	1.7	115	4	M22	100
	40	45	100	39	52	52	2.2	125	4	M24	110
	50	56	142	48	62	62	5.6	165	8	M22	115
	65	63	162	62	75	75	7.5	190	8	M27	130
	80	71	176	76	90	90	9	205	8	M27	140
	100	80	208	95	112	112	14	240	8	M30	155
	125	110	247	110	125	132	27	285	8	M36	195
	150	125	280	127	150	158	38	318	12	M36	210
	200	160	356	165	200	208	76	400	12	M42	260
PN16.0MPa (GB/T9112 ~9124) (HG 20592 ~20635)	15	25	62	15	25	25	0.6	75	4	M12	115
	20	31.5	73	19	30	30	1.0	90	4	M16	135
	25	35.5	83	24	36	36	1.3	100	4	M16	145
	32	40	89	31	43	43	1.6	110	4	M20	160
	40	45	104	39	52	52	2.5	125	4	M20	170
	50	56	120	48	62	62	3.8	145	4	M24	195
	65	63	144	62	75	75	6	170	8	M24	210
	80	71	154	76	90	90	7	180	8	M24	225
	100	80	181	95	112	112	10	210	8	M27	250
	125	110	218	110	125	132	18	250	8	M30	295
	150	125	258	127	150	158	30	290	12	M30	325
	200	160	325	165	200	208	58	360	12	M33	375

注：1、不同的法兰标准其尺寸有一定的差异，故配管法兰的螺栓直径d、螺栓长度L1等尺寸仅供参考。本表中配管法兰尺寸主要以JB/T74~90标准系列2为依据。

2、RF表示凸面法兰；MFM表示凹凸面法兰；RJ表示环连接面法兰。

Note: 1. different flange standards have some differences in their sizes, so piping flange bolt diameter d, the length of L1 and other bolt size for reference only. In this table piping flange sizes mainly JB/T74 ~ 90 standard series 2 as the basis.

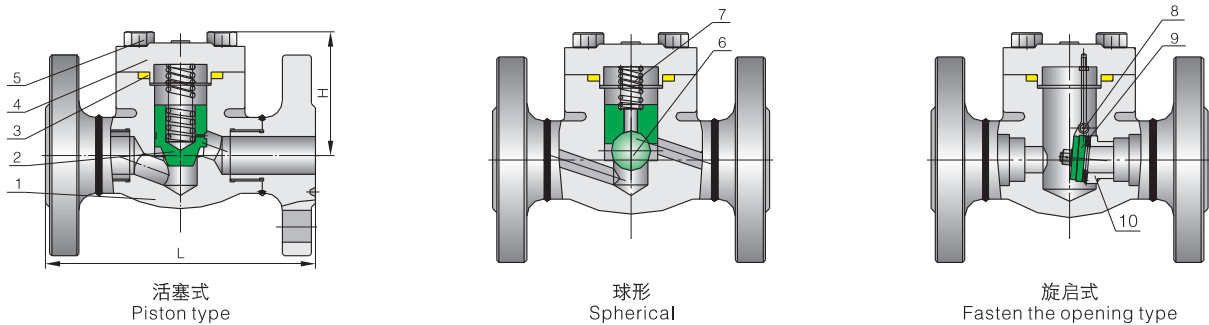
2. RF, said convex flange; MFM order to bump the table surface flange; RJ said flange ring joint surface.

锻钢止回阀

Forged steel check valve

Forged steel check valve

锻钢止回阀



产品采用标准 Technical specification

结构形式 Structural formation	栓接阀盖升降式、栓接阀盖旋启式止回阀 Bolt-jointed bonnet lifting type, bolt-jointed bonnet swing type check valve
设计标准 Design standard	ASME B16.34、BS5352
结构长度 Face to face	ASME B16.10
法兰连接 Flanged ends	ASME B16.5
螺纹端 Thread ends	ASME B1.20.1
承插焊端 Socket welded ends	ASME B16.11
试验和检验 Test & 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。
Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

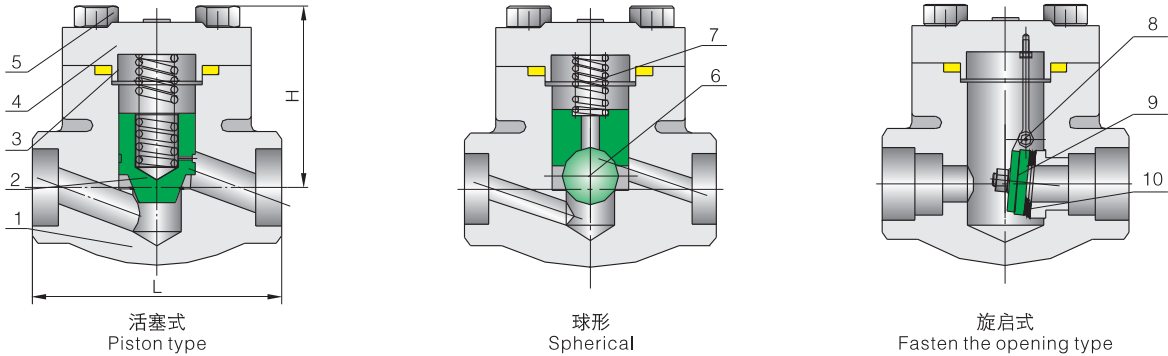
主要零件材料 Major parts material form

序号 No.	零件名称 Part name	材质 Material
1	阀体 Body	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L
2	阀瓣 Disc	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L
3	弹簧 Spring	柔性石墨+不锈钢 Graphite & stainless steel
4	阀盖 Bonnet	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L
5	螺栓 Bolt	ASTM A193-B7、A320-B8、A193-B8M
6	球 Ball	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L
7	弹簧 Spring	AISI 9260、AISI 6150、ASTM A182-F304、F316、F321、F304L、F316L
8	摇杆 Rocker	ASTM A182 Gr.F6a、ASTM A182 F22、ASTM A182-F304、F316、F321、F304L、F316L
9	销轴 Pivot	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L
10	阀座 Seat	ASTM A105、ASTM A182-F11、F22、F5、F9、ASTM A182-F304、F316、F321、F304L、F316L

主要外形尺寸及重量 Main size of outside & weight

型号Model: H41H、H41Y、H44H、H44Y

Class		150				300				600			
DN (mm)	NPS (in)	尺寸 Dimensions(mm)			重量I(II、III) Weight (kg)	尺寸 Dimensions(mm)			重量I(II、III) Weight (kg)	尺寸 Dimensions(mm)			重量I(II、III) Weight (kg)
		L(RF)	L(RTJ)	H		L(RF)	L(RTJ)	H		L(RF)	L(RTJ)	H	
15	1/2	108	119	60	2.5(2.5)	152.5	163.5	60	2.5(2.7)	165	163.5	60	2.8(3.0)
20	3/4	117.5	130	60	3.3(3.4)	178	191	60	3.5(3.5)	191	190.5	60	4.2(4.1)
25	1	127	140	76	4.8(4.4)	203	216	76	5.0(4.8)	216	216	76	5.2(5.8)
32	1 1/4	140	153	85	7.0(8.2)	216	229	85	7.5(8.8)	229	229	85	7.7(9.5)
40	1 1/2	165	178	103	7.5(8.9)	228.5	241	103	7.9(9.8)	241	241	103	9.3(10.0)
50	2	203	216	118	11.0(12.5)	266.5	282	118	11.6(13.5)	292	295	118	13.2(15.5)



主要外形尺寸及重量 Main size of outside & weight

型号Model: H41H、H41Y、H44H、H44Y

Class	DN(mm)		NPS(in)		尺寸 Dimensions(mm)		重量 Weight (kg)
	缩径 Reduced bore	全径 Full bore	缩径 Reduced bore	全径 Full bore	L	H	
800 (旋启式) Piston type	15	10	1/2	3/8	80	61	1.0
	20	15	3/4	1/2	92	61	1.1
	25	20	1	3/4	111	78	1.8
	32	25	1 1/4	1	120	85	3.2
	40	32	1 1/2	1 1/4	120	103	4.5
	50	40	2	1 1/2	140	119	7.3
800 (活塞式、球形) Piston type & spherical		50		2	170	132	9.8
	15	10	1/2	3/8	80	61	1.2
	20	15	3/4	1/2	92	61	1.4
	25	20	1	3/4	111	78	2.5
	32	25	1 1/4	1	120	85	3.9
	40	32	1 1/2	1 1/4	152	103	5.5
1500 (旋启式) Fasten the opening type	50	40	2	1 1/2	172	119	8.9
		50		2	200	132	12.5
	15	10	1/2	3/8	111	79	3.3
	20	15	3/4	1/2	111	79	3.6
	25	20	1	3/4	120	96	4.3
	32	25	1 1/4	1	140	105	6.0
1500 (活塞式、球形)	40	32	1 1/2	1 1/4	140	120	8.7
	50	40	2	1 1/2	160	140	12.5
		50	3/8	2	220	160	16.0
	15	10	1/2	3/8	111	79	3.0
	20	15	3/4	1/2	111	79	3.5
	25	20	1	3/4	130	96	4.7
1500 (旋启式)	32	25	1 1/4	1	150	105	7.0
	40	32	1 1/2	1 1/4	172	120	10.5
	50	40	2	1 1/2	220	140	14.5
		50		2	230	160	16.5

排渣止回阀

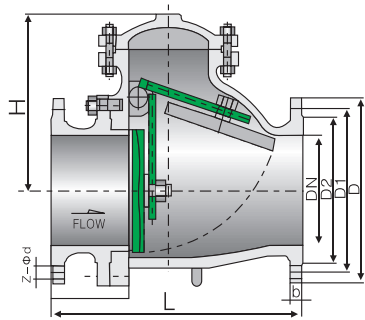
Check slag

Check air row

空排止回阀

主要性能规范 Main performance specification

型 号 Type	公称压力 PN(MPa) Nominal pressure	试验压力Ps(MPa) Test pressure		工作温度 (°C) Operating temperature	工作压力 (MPa) Work pressure	适用介质 Application medium
		壳体 Shell	密封 Sealing			
PH44H-10C	1.0	1.5	1.1	≤200	1.0	灰渣混合物 Ash mixture
PH44H-16C	1.6	2.4	1.76		1.6	
PH44H-25	2.5	3.8	2.8		2.5	



该阀门用于输送渣水混合物介质的管路上作为止回装置。
The valves used to transport water residue mixture of media control as the only way back to the device.

主要外形尺寸及重量 Main size of outside & weight

型号Model: PH44H

公称压力PN(MPa) Nominal Pressure	公称通径 DN(mm) Nominal Diameter	尺 寸 (mm) Size								重量(kg) Weight
		L	D	D1	D2	Z-Φd	b	f	H	
10	80	241	200	160	132	8-Φ18	20	3	260	48
	100	292	220	180	156	8-Φ18	20	3	270	63
	150	356	285	240	212	8-Φ22	22		290	120
	200	495	340	295	268	8-Φ22	22		345	200
	250	622	395	350	320	12-Φ22	24		412	250
	300	698	445	400	370	12-Φ22	26		468	320
	350	787	505	460	430	16-Φ22	28	4	524	400
	400	900	565	515	482	16-Φ26	30		600	517
	450	918	615	565	532	20-Φ26	32		670	610
	500	978	670	620	585	20-Φ26	34		750	705
16	80	241	200	160	132	8-Φ18	20		260	48
	100	292	220	180	156	8-Φ18	20	3	270	63
	150	356	285	240	212	8-Φ22	24		290	130
	200	495	340	295	268	12-Φ22	24		345	210
	250	622	405	355	320	12-Φ26	26		412	260
	300	698	460	410	370	12-Φ26	28		468	330
	350	787	520	470	429	16-Φ26	30	4	524	415
	400	900	580	525	480	16-Φ30	32		600	532
	450	918	640	585	548	20-Φ30	34		670	625
	500	978	715	650	609	20-Φ30	36		750	720
25	80	318	200	160	132	8-Φ18	24	3	260	48
	100	356	235	190	156	8-Φ22	24		270	65
	150	444	300	250	212	8-Φ26	28		290	140
	200	535	360	310	278	12-Φ26	30	4	345	230
	250	622	425	370	335	12-Φ30	32		412	280
	300	711	485	430	390	16-Φ30	34		468	350
	350	838	555	490	450	16-Φ33	38		524	440
	400	864	620	550	505	16-Φ36	40		600	550
	450	978	670	600	555	20-Φ36	42		670	650
	500	1016	730	660	615	20-Φ36	44		750	745

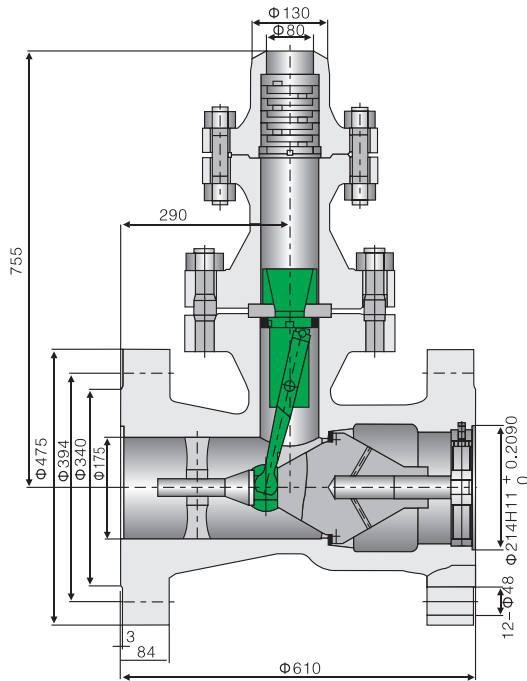
175H48Y(H)-200空排止回阀为我厂开发的最新产品，主要用于火电厂给水泵出口处。配合水泵最小流量再循环阀工作。维持系统的安全运行。

175H48Y (H) -200 empty row for a non-return valve on the latest development of our plant products, with the main Thermal power plant at the exit to the pump. With a minimum flow of water recirculation valve work. The maintenance of the Department of The safe operation of the EC.

动作原理如下：
Principles of action are as follows

打开出口阀，给水泵启动，给水达到一定的压力后，阀芯自动升起，推离阀座、给水即流出。同时阀芯连杆拨动排空口阀片封闭排空口，当给水泵流量减小时，阀芯下落，推动连杆拨开排空阀片，开启再循环阀门维持水泵最小流量。当停泵时，阀芯自动下落关闭通道，从而防止高压水锤对给水系统的破坏。

Open the export of valves, pumps to start, the water reached a certain pressure, the automatic valve core To rise, pushing away from the seat, that is, out of water. At the same time, connecting rod struck emptying spool valves closed mouth I emptying, when the pumps to reduce the flow, the whereabouts of the valve core, and promote clear link emptying valves to open the valve to maintain the recirculation pump minimum flow. When the pump stopped, the spool automatically shut down the whereabouts of channels to prevent water hammer on the high-pressure water supply system



主要性能规范 Main performance specification

公称压力 MPa(bar) Nominal pressure	壳体试验压力 PS(MPa) Shell Test Pressure	工作压力 P(MPa) Work pressure	适用介质 Application medium	工作温度(°C) Operating temperature
20.0	30.0	20.0	水	≤160

主要零件材料 Main components of materials

零 件 名 称 Parts name	材 料 Materials
阀体、定位轮、连接法兰、排气法兰、法兰盖 Body positioning round, flange connection, the exhaust flange, flange covers	碳铸钢 Carbon steel
导向轴、拨叉、轴套、滑块、排放套、排气盘 Shaft-driven, Bo Cha, bushings, slider, sets emissions, exhaust plate	不锈钢 Stainless Steel
螺栓、螺柱 Bolt, stud	铬钼钢 Cr-Mo steel
衬套 Bush	铸铝青铜 Aluminum Bronze
阀瓣、阀瓣体、阀瓣轴、连接叉、螺母 Flap valve, the valve flap, flap valve shaft connecting the fork, nut	优质碳素钢 High-quality carbon steel

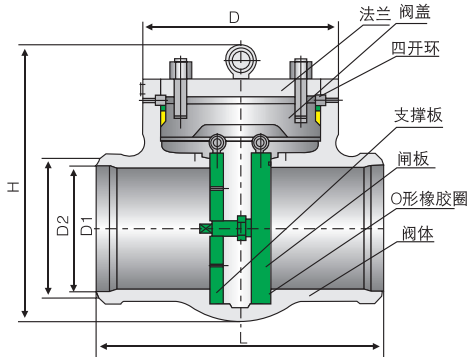
主要特点及用途 Main characteristics and uses

安装在300MW锅炉过热器出口，再热器入口，出口蒸汽管道上，作为进行水压试验的隔离装置，水压试验后拆除内部堵板，作为管道使用，下次水压时可再次装入堵板。

亦可作其他工业承压管道开机前水压试验用，特殊规格可依用户要求制造。

300MW installed in the boiler superheater exports, reheater import, export steam pipes, water pressure test as the isolation unit, after the removal of internal water pressure test plate blocked, as the use of pipes, water pressure could be next plugging into again Board.

Can also be used for other industrial pressure pipe hydraulic test before the start, users can request special manufacturing specifications.



结构简述

- ① 采用压力自紧式密封结构，两端支管为焊接连接。
- ② 采用平面O型圈密封，阀座采用不锈钢堆焊连接。
- ③ 水压试验时装入堵板，水压试验后取出堵板，可多次进行水压试验。

- ① from the use of pressure-tight seal structure, supporting both ends of the tube for welding to connect.
- ② plane using O-ring sealed stainless steel welding to connect the valve seat.
- ③ hydraulic test plugging into the fashion plate, blocking out after the hydraulic test panels, water pressure test can be repeated.

安装说明 Installation instructions

- ① 阀门安装必须按阀体上流向箭头方向安装，水压试验后取出的堵板、O型圈应妥善保存。
- ② 试验水温为20~70℃。
- ③ 垂直向上安装。

- ① valve must be installed in accordance with the flow valve on the direction of the arrow is installed, water pressure test out the plate blocked, O-ring should be properly preserved.
- ② test the water temperature to 20 ~ 70 °C.
- ③ vertical Shang installed.

性能及结构参数 Performance and structural parameters

项目 Item	型号 Type	SD61H-64 DN350	SD61H-P54200V DN400	SD61H-P5464V DN500	SD61H-64 DN530	SD61H-P5450V DN650
设计压力(MPa)/温度 Design pressure (MPa) / temperature		4.32/350℃	20.58/546℃	6.4/540℃	6.4/350℃	5/540℃
水压试验压力(MPa) Hydraulic pressure test		6.6	30.9	10	8.6	6.6
安装方向 Installation of direction		双流向 Two-flow	单流向 Single flow	单流向 Single flow	单流向 Single flow	双流向 Two-flow
阀体材料 Body material		碳钢 Carbon steel	合金钢 Alloy Steel	合金钢 Alloy Steel	碳钢 Alloy Steel	合金钢 Alloy Steel
结构尺寸 Size						
H(mm)		980	1228	1030	1100	1590
L(mm)		1000	1300	1100	1100	1400
D(mm)		Φ620	Φ650	Φ745	Φ760	Φ1000
D1(mm)		Φ366	Φ372	Φ476	Φ528	Φ635
D2(mm)		Φ410	Φ565	Φ526	Φ572	Φ707

NOTE: