



◇国家高新技术企业◇国家阀门标准编制单位

浙江五洲阀门有限公司
ZHEJIANG WUZHOU VALVE CO., LTD.

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◇国家高新技术企业◇国家阀门标准编制单位

Check valve series 止回阀系列

High-New Technology Enterprise of China,
National valve standard authorized unit



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2006



浙江五洲阀门有限公司 总部办公大楼
ZHEJIANG WUZHOU VALVE CO., LTD. Headquarters

公司创建于1978年，是科技型阀门专业制造工厂。目前占地面积36000m²，其中建筑面积25200m²，公司员工256人，高中级技术人员46人，具有CAD、CAM开发设计制造和ERP企业资源计划管理系统。公司固定资产9800万元，拥有加工中心、数控机床及金切加工设备116台，理化、无损检测、光谱分析阀门综合性能测试设备45台（套），起重、运输设备22台。公司是国家高新技术企业，重点国家级火炬计划项目，浙江省著名商标、浙江省名牌产品，省特种阀门研发中心，中国阀协副理事长单位，阀门国家标准编制单位，省重大高新技术产业项目单位，科技先进企业。公司已取得DNV（挪威船级社）ISO9001（2000版本）国际质量体系认证证书和美国石油学会API-6D、API 607、API 6FA证书，并取得TÜV德国莱茵公司CE认证和国家质量技术监督局压力元件制造单位AZ安全注册。公司是中国石化集团物资装备公司、中国石油天然气集团公司、中国铝业集团公司和化工部化工装备总公司、中国海洋石油公司定点供应成员单位。硬密封高温系列球阀、高

压矿砂料浆阀等获得多项国家专利，并被国家科技部列为国家重点火炬计划项目和国家级新产品以及国际尤里卡金奖，三偏心蝶阀获专利新产品奖。闸阀、截止阀等均经国家技术监督局全国统检评为一等品。

公司为石油、化工、冶金、轻工、煤化工、电站、城建供水及输油、输气、天然气、长输管线等工程，提供高温、高压、高耐磨以及大口径的球阀、平板闸阀、蝶阀、闸阀、截止阀、止回阀、矿砂料浆阀、电站阀以及引进装置配套的非标和特殊阀门十大类、1200余个品种规格。生产通径为DN15~3000mm（1/2"~120"），公称压力1.6MPa~42.0MPa（Class150~2500），工作温度为-196℃~750℃，阀门的材质有碳钢、不锈钢、耐热合金钢、蒙耐尔合金、低温钢以及其他特殊钢种，驱动方式有手动、电动、气动、齿轮传动、蜗轮蜗杆传动、气液联动、电液联动、计算机程控等。产品畅销全国各地，并出口美国、欧洲、非洲、中东、新加坡等地。公司坚持贯彻质量第一、用户至上、诚信为本的经营方针，以可用性、可信性、可靠性的三性为目标，创建“五洲”一流名牌，以优秀的质量、优惠的价格、优良的售后服务为国家经济建设服务。

The company was established in 1978, which is a technological professional valve manufacturer. Presently it covers 36,000sqm including building space of 25,200sqm, and owns 256 employees involving 46 senior & intermediate technicians. Also it developed CAD & CAM designing and ERP Planed Administration System of Enterprise's Resource. In addition, the company is in possession of fixed assets of RMB 78,000,000 Yuan (about USD 9,500,000) with 116 sets of equipments such as processing center, numerical machine tools and metal-machining facility, 45 sets of valve comprehensive performance test equipments consisting of physico-chemical inspection and NDE facility and 22 sets of crane and transportation equipment. It is a council unit of China Valve Association, Zhejiang Provincial High & new-tech Enterprise, Key High & new-tech Industrialized Unit of Zhejiang Province and Technology Advanced Enterprise. The company has acquired ISO 9001 certificate (the current version is ISO 2000) from DNV (Det Norske Veritas), API-6D certificate issued by American Petroleum Institute and CE certificate issued by TÜV. Moreover, it is the pointing supply member unit of China Petrochemical group Material Equipment Co., China Petroleum & Natural Gas Group Co., and Shanghai Baoshan Iron & steel plant. The hard-sealed high temp. serial ball valves won the international invention Urika Gold Prize, national patent and was authorized as Grade I advanced products and National key project products by National Science & technology Ministry, the variable eccentric butterfly valve won the Gold prize of patent new products and the gate & globe valves have been approved as Grade-I

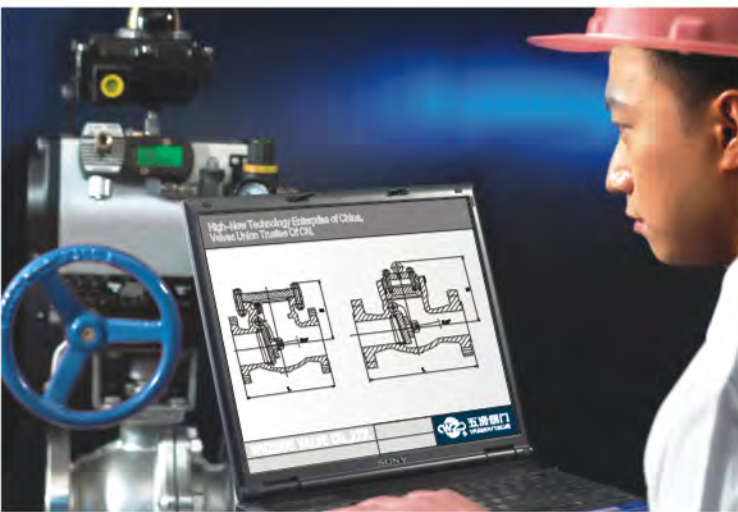
products by National Technology Surveillance Bureau.

The company provides high & medium pressure ball valves, butterfly valves, parallel gate valves, gate valves, globe valves, check valves and power station valves for petroleum, chemical engineering, metallurgy, light industry, power station, city building, water supply system, oil transportation, gas feeding, natural gas and long distance transportation pipes projects. In addition, the company supplies over 1000 sorts (8 main catena) of non-standard and special valves some of whose parts are imported from other countries. The products diameter range is DN15~3000mm (1/2"~120"), the nominal pressure range is 1.6 Mpa~42.0 Mpa (Class 150~2500), and the operating temp. range is -196℃~750℃. The valve material contains carbon steel, brass, stainless steel, heat-resist alloy steel, Monel, low-temp steel and other special steels. The driving device includes lever operator, electric driving, pneumatic driving, gear transmission, worm wheel and worm handle transmission, air-liquid driving, electric-liquid driving and computer program controlled device etc.. Our products are very popular in the whole nation and exported to America, Europe, Africa, Mid-east area and Singapore etc. The company holds 'Quality first, Customer utmost and honesty base' as its management policy while it sets 'Usability, creditability and reliability' as its target. Wuzhou Co. will welcome customers from domestic & abroad with first-rate brand, favorable prices and excellent after-sale service.

WUZHOU VALVE

◇国家高新技术企业◇国家阀门标准编制单位
High-New Technology Enterprise of China,National valve standard authorized unit

WUZHOU VALVE



公司属国家高新技术企业，重点国家级火炬计划项目，浙江省名牌产品，省特种阀门研发中心，中国阀协理事单位，国家阀门标准编制单位，省重大高新技术产业项目单位，科技先进企业。公司已取得DNV（挪威船级社）ISO9001（2000版本）国际质量体系认证证书和美国石油学会API-6D证书，并取得TU V德国莱茵公司CE认证和国家质量技术监督局压力管理元件制造单位AZ安全注册。

The company is belonged to state high-new technique enterprise, stress national torch plan item, Zhejiang famous brand products, Vice Director Unit of China Valve Association and developing center; Province significant high-new technique industrialization item unit; advanced science and technology enterprise. The company has gained ISO9001:2000 international quality system authentication of DNV authenticate and API-6D of American Petrol Institute, CE authentication and pressure pipe component manufacturing AZ safety registration by state quality technique supervision bureau.

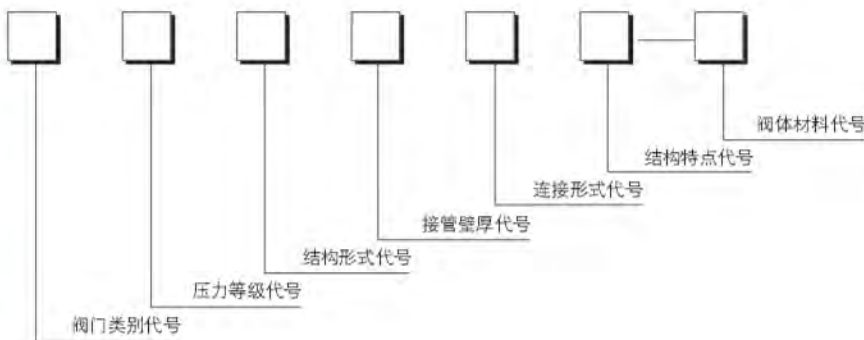
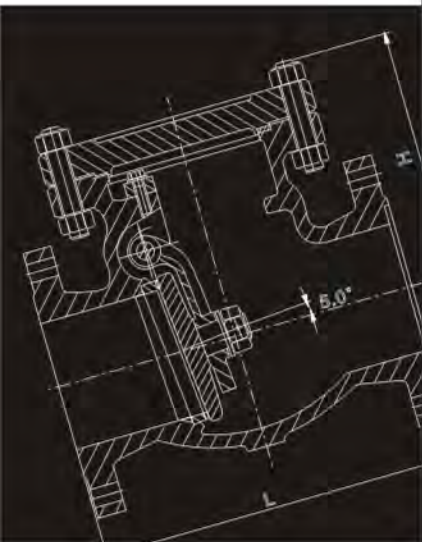
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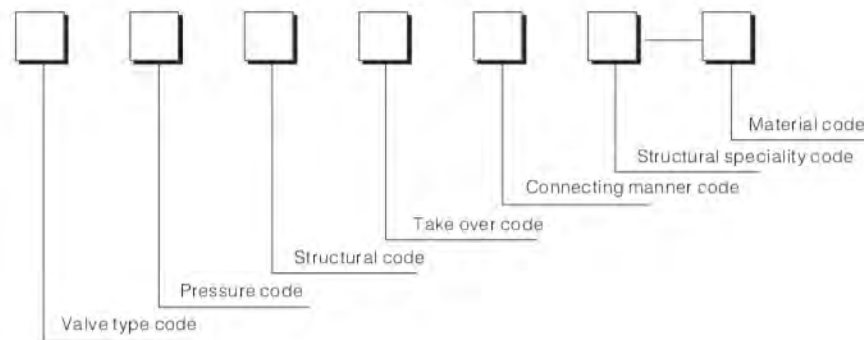
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止回阀型号编制说明
GHECK VALVE MODEL SCHEDULE ILLUSTRATION



★ 阀门类别代号	H - 止回阀																													
★ 压力等级代号	2 - Class150 1a - 1.0MPa 7a - 16.0MPa	3 - Class300 2a - 1.6MPa 8a - 25.0MPa	5 - Class600 3a - 2.5MPa	7 - Class900 4a - 4.0MPa	8 - Class1500 5a - 6.4MPa	9 - Class2500 6a - 10.0MPa																								
★ 结构形式代号	1 - BC-SWING (螺栓连接阀盖、旋启式) 2 - BC-PISTON-LIFT (螺栓连接阀盖、升降式) 3A - WAFER-PISTON-LIFT (对夹、升降式)			1A - PS-SWING (压力密封阀盖、旋启式) 3 - WAFER-SWING (对夹、旋启式)																										
★ 传动机构代号	A - 电动		B - 气动		C - 伞齿轮传动 (手动略)																									
★ 接管壁厚代号	<table><tr><th>代 号</th><th>壁 厚</th><th>代 号</th><th>壁 厚</th><th>代 号</th><th>壁 厚</th></tr><tr><td>S1</td><td>SCH10</td><td>S4</td><td>SCH40</td><td>S7</td><td>SCH120</td></tr><tr><td>S2</td><td>SCH20</td><td>S5</td><td>SCH60</td><td>S8</td><td>SCH140</td></tr><tr><td>S3</td><td>SCH30</td><td>S6</td><td>SCH80</td><td>S9</td><td>SCH160</td></tr></table>						代 号	壁 厚	代 号	壁 厚	代 号	壁 厚	S1	SCH10	S4	SCH40	S7	SCH120	S2	SCH20	S5	SCH60	S8	SCH140	S3	SCH30	S6	SCH80	S9	SCH160
代 号	壁 厚	代 号	壁 厚	代 号	壁 厚																									
S1	SCH10	S4	SCH40	S7	SCH120																									
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S3	SCH30	S6	SCH80	S9	SCH160																									
★ 连接形式代号	R - RF (凸面法兰连接)		J - RJ (环槽面法兰连接)		F - MF (凹凸面连接) W - BW (对焊连接)																									
★ 结构特点代号	FS - 栓接阀盖结构		Ps - 压力密封结构																											
★ 阀体材料代号(国标材质代号与下列相应材质代号等同)	<table><tr><td>1) 铸造碳钢</td><td>CC10 - ASTM A216-WCB</td><td>CF11 - ASTM A352-LCB</td><td></td><td></td><td></td></tr><tr><td>2) 铸造合金钢</td><td>CA20 - ASTM A217-WC1 CA23 - ASTM A217-C5</td><td>CA21 - ASTM A217-WC6 CA24 - ASTM A217-C12</td><td>CA22 - ASTM A217-WC9</td><td></td><td></td></tr><tr><td>3) 铸造不锈钢</td><td>CS30 - ASTM A351-CF8 CS33 - ASTM A351-CF3</td><td>CS31 - ASTM A351-CF8M CS34 - ASTM A351-CF3M</td><td>CS32 - ASTM A351-CF8C</td><td></td><td></td></tr></table>						1) 铸造碳钢	CC10 - ASTM A216-WCB	CF11 - ASTM A352-LCB				2) 铸造合金钢	CA20 - ASTM A217-WC1 CA23 - ASTM A217-C5	CA21 - ASTM A217-WC6 CA24 - ASTM A217-C12	CA22 - ASTM A217-WC9			3) 铸造不锈钢	CS30 - ASTM A351-CF8 CS33 - ASTM A351-CF3	CS31 - ASTM A351-CF8M CS34 - ASTM A351-CF3M	CS32 - ASTM A351-CF8C								
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止回阀型号编制说明
GHECK VALVE MODEL SCHEDULE ILLUSTRATION



★ Valve type code	H – Check valve					
★ Pressure code	2 – Class150 3 – Class300 5 – Class600 7 – Class900 8 – Class1500 9 – Class2500 1a – 1.0MPa 2a – 1.6MPa 3a – 2.5MPa 4a – 4.0MPa 5a – 6.4MPa 6a – 10.0MPa 7a – 16.0MPa 8a – 25.0MPa					
★ Structural code	1 – BC–SWING (Bolted bonnet,Swing type) 2 – BC–PISTON–LIFT (Bolted bonet, Piston–Lift type) 3A – WAFER–PISTON–LIFT (Wafer & Piston–Lift type)		1A – PS–SWING (Pressure bonnet,Swing type) 3 – WAFER–SWING (Wafer & Swing type)			
★ Driving type code	A – Electric driving B – Air motor driving		C – Gear driving			
★ Take over code						
	Code	Thickness	Code	Thickness	Code	Thickness
	S1	SCH10	S4	SCH40	S7	SCH120
	S2	SCH20	S5	SCH60	S8	SCH140
	S3	SCH30	S6	SCH80	S9	SCH160
★ Connecting manner code	R – R F (Raised face) J – RJ (Ring joint)		F – MF (Male–Female face)		W – BW (Butt welded)	
★ Structural speciality code	FS – Bolted bonnet structure		PS – Pressure seal structure			
★ Body material code						
1) Cast carbon steel	CC10 – ASTM A216–WCB		CF11–ASTM A352–LCB			
2) Cast alloy steel	CA20 – ASTM A217–WC1		CA21 – ASTM A217–WC6		CA22 – ASTM A217–WC9	
	CA23 – ASTM A217–C5		CA24 – ASTM A217–C12			
3) Cast stainless steel	CS30 – ASTM A351–CF8		CS31 – ASTM A351–CF8M		CS32 – ASTM A351–CF8C	
	CS33 – ASTM A351–CF3		CS34 – ASTM A351–CF3M			

法兰及对焊连接 旋启式止回阀
FLANGED & BUTT-WELDING CONNECTION SWING CHECK VALVE

产品结构特征PRODUCTS DESIGN FEATURES

旋启式止回阀适用于压力PN1.6~42.0MPa、Class150~2500，工作温度-46~570℃的石油、化工、制药、化肥、电力行业等各种工况的管路上，防止介质的倒流。

其主要结构特点有：

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

Flanged & Butt-Welding Ends Shing Check Valves are used in pipes under pressures between PN1.6~16.0MPa,Class150~900Lb, working tempertures between -29~570℃.They are used in industries include oil, chemistry,pharmaceutical,fertilizer, and power generation to prevent the backward flux of the media.

Main structural features:

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

产品规格PRODUCTS SPECIFICATION

Table with columns: Model, Pressure, Structural Type, and Nominal size (50 to 900). Rows list various valve models like H2a1RFS, H3a1RFS, etc., and their specifications.

产品性能规范 Products performance specifiatiion

Table with columns: Pressure grade, Test pressure, Sealing test, Working temperature, Working medium. It details the performance parameters of the valves.

注：PN为主体材料在38℃时允许的额定工作压力
Note: PN is requested pressure for the body material under the 38℃.

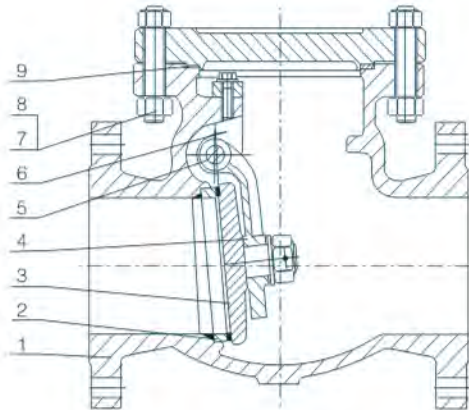


栓盖结构 旋启式止回阀
BOLTED BONNET SWING CHECK VALVE

技术规范Technical specification

Table with 3 columns: Design Standard, GB/T 12236, API 6D. Rows include Face to Face, Flanged Size, and Test & Inspection specifications.

*注：系列阀门连接法兰尺寸可根据用户要求设计制造。
Notes: The sizes of serial valve connecting flange can be designed according to customers' requirement.



主要零件材质Form of major parts materials

Table with 4 columns: No., Part name, ASTM, GB. It lists the materials for various parts including Body, Seat, Disc, Arm, Pin, Racking, Bolt, Nut, and Gasket.

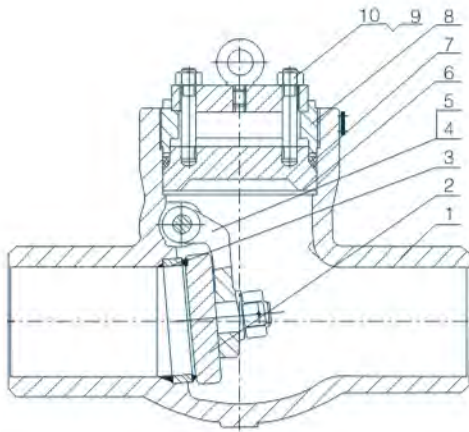


压力密封结构 旋启式止回阀
PRESSURE SEALED SWING CHECK VALVE

技术规范Technical specification

设计标准 Design Standard	GB/T 12236	API 600
结构长度 Face To Face	GB/T 12221	ASME B16.10
法兰尺寸 Flanged Size	GB/T 9113 JB/T 79	ASME B16.5
试验和检验 Test & Inspection	JB/T 9092	API 598

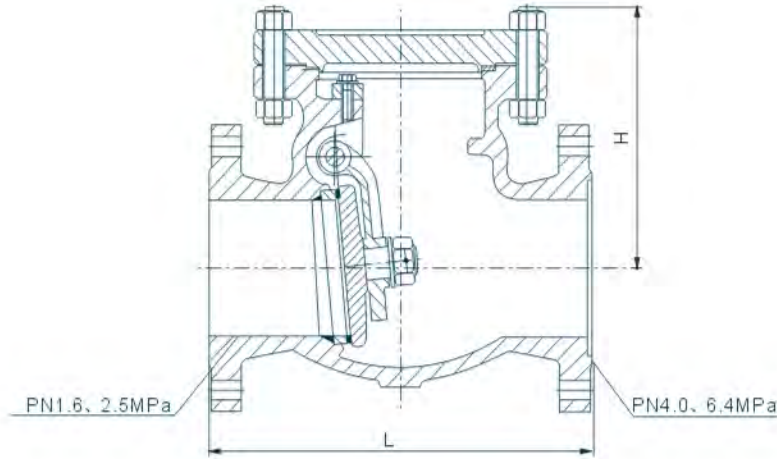
*注：系列阀门连接法兰尺寸可根据用户要求设计制造。
Notes: The sizes of serial valve connecting flange can be designed according to customers' requirement.



主要零件材质Form of major parts materials

序号 No.	零件名称 Part name	材质 Material	
		ASTM	GB
1	阀体 Body	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
2	阀瓣 Disc	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
3	阀座 Seat	A105, LF2 F11, F22, F5, F9 F304, F316, F321, F304L, F316L	25 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti 20Cr1Mo1V, 25Cr2MoV
4	销轴 Pin	F6a, F22 F304, F316, F321, F304L, F316L	1Cr13, 2Cr13 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti
5	摇杆 Arm	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
6	阀盖 Bonnet	A105, LF2 F11, F22, F5, F9 F304, F316, F321, F304L, F316L	25 1Cr18Ni9Ti, 0Cr18Ni12Mo2Ti 20Cr1Mo1V, 25Cr2MoV
7	密封圈 Sealing ring	柔性石墨 Flexible Graphite	柔性石墨 Flexible Graphite
8	压盖 Cover	WCB, LCB WC1, WC6, WC9, C5, C12 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, A193-L7	35CrMoA, 25Cr2MoV 0Cr18Ni9, 0Cr17Ni12Mo2
10	螺母 Nut	A194-2H, A194-8 A194-8M, A194-4	45, 35CrMoA, 25Cr2MoV 0Cr18Ni9, 0Cr17Ni12Mo2

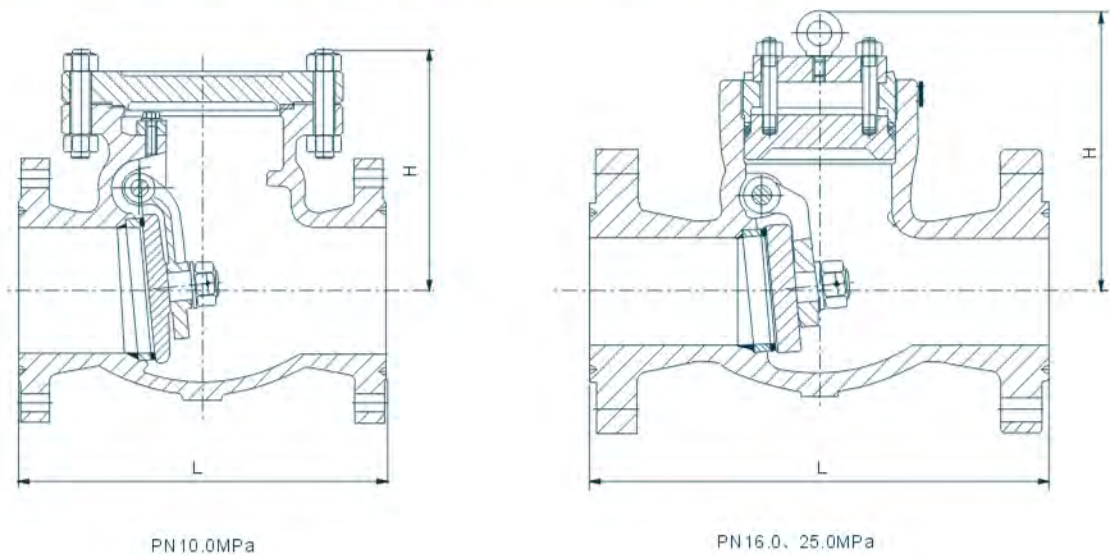
法兰连接 旋启式止回阀
FLANGED CONNECTION SWING CHECK VALVE



尺寸及重量Size & weight

型号Model		1.6~2.0MPa															
Size	in.	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	30
	mm	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750
L-L1 (RF)	in.	6.5	8	8.5	9.5	11.5	13	14	19.5	24.5	27.5	31	34	38.5	38.5	51	60
	mm	165	203	216	241	292	330	356	495	622	698	787	864	978	978	1295	1524
L2 (RTJ)	in.	7.0	8.5	9	10	12	13.5	14.5	20	25	28	31.5	34.5	39	39	51.5	60.5
	mm	178	216	229	254	305	343	368	508	635	711	800	877	991	991	1308	1537
H	in.	6.69	6.88	7	7.5	8.63	9.25	12.75	15.13	17.63	21.25	22	24.63	25.63	26.63	34.63	45.25
	mm	170	175	178	191	219	235	324	384	448	540	559	626	651	676	880	1149
WT (kg)	R F	18	20	24	35	55	84	96	160	245	345	510	660	850	1050	1450	2350
	BW	12	14	17	26	37	52	80	133	213	294	440	568	750	920	1270	2250
型号Model		2.5~5.0MPa															
Size	in.	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24	30
	mm	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	750
L-L1 (RF)	in.	9.5	10.5	11.5	12.5	14	15.75	17.5	21	24.5	28	33	34	38.5	40	53	62.75
	mm	241	267	292	318	356	400	444	533	622	711	838	864	978	1016	1346	1594
L2 (RTJ)	in.	10	11.12	12.12	13.15	14.62	16.37	18.12	21.62	25.12	28.62	33.62	34.62	39.12	40.75	53.88	63.75
	mm	254	283	308	334	371	416	460	549	638	727	854	879	994	1035	1369	1619
H	in.	7.4	7.75	8	8.75	10.88	11.63	13.25	16.25	18.25	22.13	23.5	25.38	29.88	33.63	37	50
	mm	188	197	203	222	276	295	337	413	464	562	597	645	759	854	940	1270
WT (kg)	R F	31	35	37	60	82	110	155	268	380	495	710	950	1200	1350	2200	3400
	BW	28	32	35	50	65	70	128	230	270	460	555	800	970	1070	1780	2950
型号Model		10.0MPa															
Size	in.	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	26	28	30
	mm	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750
L-L1 (RF)	in.	11.5	13	14	17	22	26	31	33	35	39	43	47	55	57	63	65
	mm	292	330	356	432	559	660	787	838	889	991	1092	1194	1397	1448	1600	1651
L2 (RTJ)	in.	11.62	13.12	14.12	17.12	22.12	26.12	31.12	33.12	35.12	39.12	43.12	47.25	55.38	57.5	63.5	65.5
	mm	295	333	359	435	562	663	790	841	892	994	1095	1200	1407	1461	1613	1664
H	in.	8.25	8.63	10.5	11.75	15	18.75	21.63	22.63	26.38	30.13	35.25	38.38	43.75	48	53.13	56.25
	mm	210	219	267	299	381	476	549	575	670	765	895	975	1111	1219	1349	1429
WT (kg)	R F	40	55	72	120	270	420	620	810	1100	1450	1800	2100	3000	3500	4100	5000
	BW	31	45	60	85	225	365	500	715	880	1140	1450	1650	2300	3000	3500	4300

法兰连接 旋启式止回阀
 FLANGED CONNECTION SWING CHECK VALVE



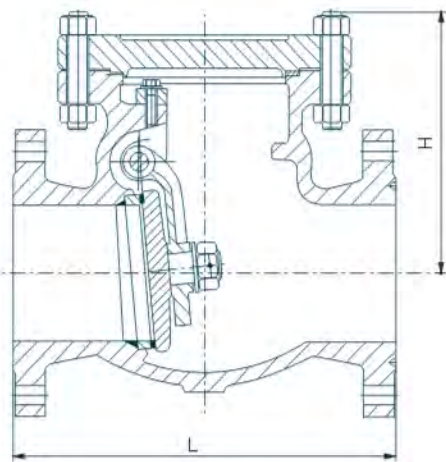
尺寸及重量Size & weight

型号Model		15.0MPa							
Size	in.	2	2½	3	4	6	8	10	12
	mm	50	65	80	100	150	200	250	300
L-L1	in.	14.5	16.5	15	18	24	29	33	38
(RF)	mm	368	419	381	457	610	737	838	965
L2	in.	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12
(RTJ)	mm	371	422	384	460	613	740	841	968
H	in.	12.63	13.75	12.63	16	18.88	22.25	26.13	30.5
	mm	321	349	321	406	479	565	664	775
WT	R F	70	160	90	150	305	516	810	1120
(kg)	BW	50	71	68	11.3	230	387	632	901

型号Model		25.0MPa							
Size	in.	2	2½	3	4	6	8	10	12
	mm	50	65	80	100	150	200	250	300
L-L1	in.	14.5	16.5	18.5	21.5	27.75	32.75	39	44.5
(RF)	mm	368	419	470	546	705	832	991	1130
L2	in.	14.62	16.62	18.62	21.62	28	33.15	39.4	45.12
(RTJ)	mm	371	422	473	549	711	842	1000	1146
H	in.	12.63	13.75	14.38	16.5	20.13	26.75	29.75	33.75
	mm	321	349	365	419	511	680	756	857
WT	R F	70	110	170	300	695	1190	1850	2750
(kg)	BW	50	87	135	245	560	965	1480	2180

型号Model		42.0MPa							
Size	in.	2	2½	3	4	6	8	10	12
	mm	50	65	80	100	150	200	250	300
L-L1	in.	17.75	20	22.75	26.5	36	40.25	50	56
(RF)	mm	451	508	578	673	914	1022	1270	1422
L2	in.	17.87	20.25	23	26.88	36.5	40.87	50.88	56.88
(RTJ)	mm	454	514	584	683	927	1038	1292	1445
H	in.	16.38	16.5	17.38	18.88	20.13	28	33.5	39.38
	mm	416	419	441	479	511	711	851	1000
WT	R F	150	240	350	650	1450	2550	3950	5700
(kg)	BW	120	195	280	540	1200	2200	3150	4550

法兰连接 旋启式止回阀
 FLANGED CONNECTION SWING CHECK VALVE



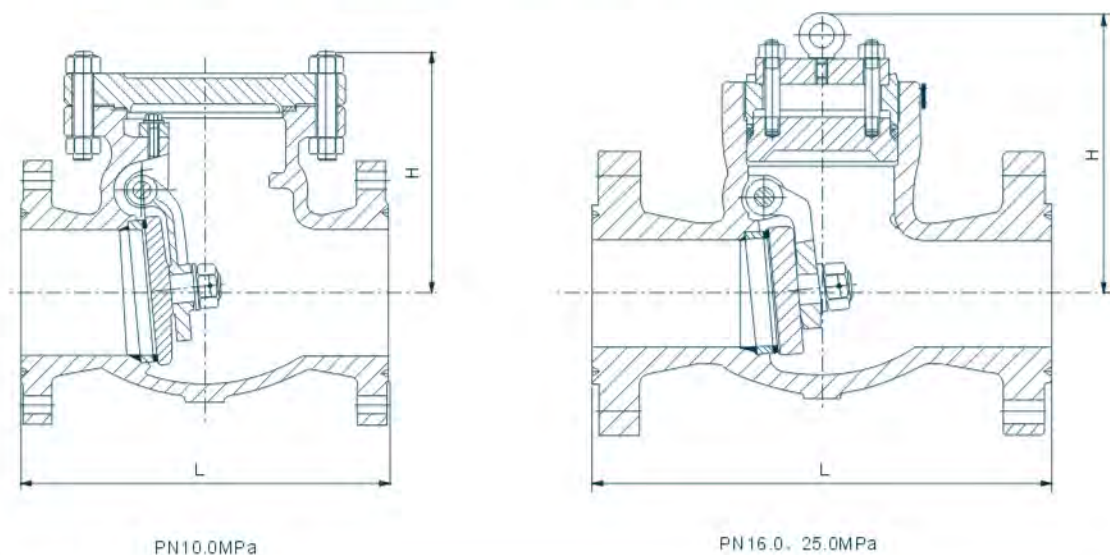
尺寸及重量Size & weight

型号Model		Class 150										
Size	mm	50	65	80	100	150	200	250	300	350	400	450
	in	2	2½	3	4	6	8	10	12	14	16	18
L(mm)		203	216	241	292	356	495	622	699	787	864	978
H(mm)		165	182	195	208	260	295	350	405	446	493	515
重量 Weight (Kg)		17	26	32	45	75	135	200	275	385	442	630

型号Model		Class 300										
Size	mm	50	65	80	100	150	200	250	300	350	400	450
	in	2	2½	3	4	6	8	10	12	14	16	18
L(mm)		267	292	318	356	444	533	622	711	838	864	978
H(mm)		175	186	212	238	302	362	392	440	460	530	582
重量 Weight (Kg)		22	24	38	52	86	165	204	278	402	545	683

型号Model		Class 600										
Size	mm	50	65	80	100	150	200	250	300	350	400	
	in	2	2½	3	4	6	8	10	12	14	16	
L(mm)		295	334	359	435	562	664	791	842	892	991	
H(mm)		200	219	232	282	330	378	452	575	590	635	
重量 Weight (Kg)		32	42	61	112	205	385	575	775	982	1056	

法兰连接 旋启式止回阀
 FLANGED CONNECTION SWING CHECK VALVE



尺寸及重量Size & weight
 Class900

型号Model		Class 900									
Size	in.	2	2 1/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	350	400
L	in.	8.5	10	12	14	20	26	31	36	39	43
(BW)	mm	216	254	305	356	508	660	787	914	991	1092
L1	in.	14.5	16.5	15	18	24	29	33	38	40.5	44.5
(RF)	mm	368	419	381	457	610	737	838	965	1029	1130
L2	in.	14.62	16.62	15.12	18.12	24.12	29.12	33.12	38.12	40.88	44.88
(RTJ)	mm	371	422	384	460	613	740	841	968	1038	1140
H	in.	7.4	8.27	8.27	8.5	14.5	20.12	24.17	27.76	28.98	29.76
	mm	188	210	210	216	368	511	614	705	736	756
WT	R F	48	63	60	122	254	511	938	1448	1723	1832
(kg)	BW	33	44	42	76	177	383	703	1128	1353	1463

型号Model		Class 1500									
Size	in.	2	2 1/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	350	400
L	in.	8.5	10	12	16	22	28	34	39	42	47
(BW)	mm	216	254	305	406	559	711	864	991	1067	1194
L1	in.	14.5	16.5	18.5	21.5	27.75	32.75	39	44.5	49.5	54.5
(RF)	mm	368	419	470	546	705	832	991	1130	1257	1384
L2	in.	14.62	16.62	18.62	21.62	28	33.13	39.38	45.12	50.25	55.38
(RTJ)	mm	371	422	473	549	711	841	1000	1146	1276	1407
H	in.	10.43	10.43	10.63	14.57	18.7	22.44	24.8	30.31	31.3	32.44
	mm	265	265	270	370	475	570	630	770	795	824
WT	R F	58	73	71	128	332	588	1023	1528	1852	2058
(kg)	BW	40	51	69	84	228	458	713	1148	1388	1542

型号Model		Class 2500									
Size	in.	2	2 1/2	3	4	6	8	10	12	14	16
	mm	50	65	80	100	150	200	250	300	350	400
L	in.	11	13	14.5	18	24	30	36	41	-	-
(BW)	mm	279	330	368	457	610	762	914	1041	-	-
L1	in.	17.75	20	22.75	26.5	36	40.25	50	56	-	-
(RF)	mm	451	508	578	673	914	1022	1270	1422	-	-
L2	in.	17.87	20.25	23	26.88	36.5	40.87	50.88	56.88	-	-
(RTJ)	mm	454	514	584	683	927	1038	1292	1445	-	-
H	in.	11.02	12	12.2	14.57	19.1	21.42	27.95	31.5	-	-
	mm	280	305	310	370	485	544	710	800	-	-
WT	R F	86	113	133	213	548	988	1598	2298	-	-
(kg)	BW	52	88	93	158	383	638	1198	1723	-	-

法兰连接 升降式止回阀
 FLANGED CONNECTION PISTON-LIFT TYPE CHECK VALVE

产品结构特征PRODUCTS DESIGN FEATURES

法兰连接升降式止回阀适用于公称压力PN1.6~16.0MPa、Class150~900，工作温度-46~550℃的石油、化工、制药、化肥、电力行业等各种工况的管路上，防止介质的倒流。

其主要结构特点有：

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

Flanged ends piston-lift type check valve are used in pipes under nominal pressures between PN1.6~16.0Mpa, Class150~900, working temperatures between-46~550°C.They are used in industries include oil, chemistry, pharmaceutical, fertilizer, and power generation to prevent the backward flux of the media.

Main structural features:

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

产品规格PRODUCTS SPECIFICATION

型 号 Model	压 力 Pressure	结构形式 Structural Type	公称通径 Nominal size									
			DN	50	65	80	100	125	150	200	250	300
			NPS	2	2½	3	4	5	6	8	10	12
H2a2RFS	1.6MPa	栓接阀盖、 升降式 Bolted bonnet Piston-lift type		☆	☆	☆	☆	☆	☆	☆	—	—
H3a2RFS	2.5MPa			☆	☆	☆	☆	☆	☆	☆	—	—
H4a2FFS	4.0MPa			☆	☆	☆	☆	☆	☆	☆	—	—
H5a2FFS	6.4MPa			☆	☆	☆	☆	☆	☆	☆	—	—
H6a2JFS	10.0MPa			☆	☆	☆	☆	☆	☆	☆	—	—
H7a2JFS	16.0MPa		☆	☆	☆	☆	—	—	—	—	—	—
H22RFS	Class 150	栓接阀盖、 升降式		☆	☆	☆	☆	☆	☆	☆	☆	☆
H32RFS	Class 300			☆	☆	☆	☆	☆	☆	☆	☆	☆
H52JFS	Class 600	Bolted bonnet		☆	☆	☆	☆	☆	☆	☆	☆	☆
H72JFS	Class 900	Piston-lift type		☆	☆	☆	☆	☆	—	—	—	—

产品性能规范 Products performance specification

压力等级 Pressure grade		1.6~16.0MPa	Class150~900
试验压力(Mpa) Test pressure	强度试验 Shell test	1.5xPN	
	密封试验 Sealing test	1.1xPN	
工作温度 Working temperature		-46℃~+570℃	
工作介质 Working Medium		水、油品、天然气、腐蚀性介质等 Water, oil, natural gas, corrosive medium, etc.	

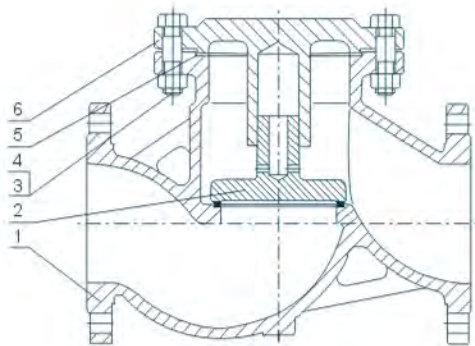
注：PN为主体材料在38℃时允许的额定工作压力
 Note: PN is requested pressure for the body material under the 38℃.



法兰连接 升降式止回阀
FLANGED CONNECTION PISTON-LIFT TYPE
CHECK VALVE

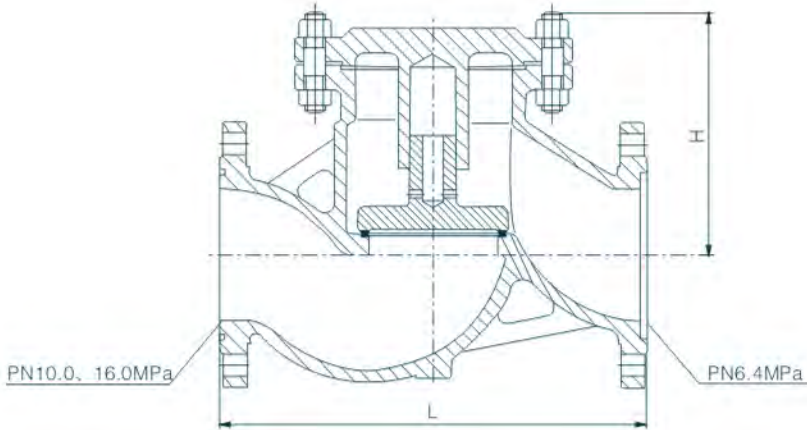
技术规范Technical specification		
设计标准 Design Standard	GB/T 12235	BS 1868
结构长度 Face to Face	GB/T 12221	ASME B16.10
法兰尺寸 Flanged Size	GB/T 9113 JB/T 79	ASME B16.5
试验和检验 Test & Inspection	JB/T 9092	API 598

*注：系列阀门法兰尺寸可根据用户要求设计制造。
Notes: The sizes of serial valve connecting flange can be designed according to customers' requirement.



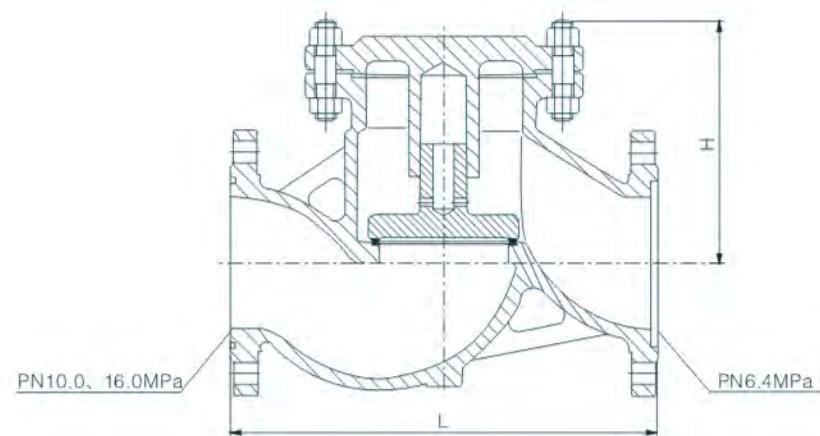
主要零件材质Form of major parts materials			
序号 No.	零件名称 Part name	材质 Material	
		ASTM	GB
1	阀体 Body	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
2	阀瓣 Disc	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M
3	双头螺栓 Stud	A193-B7, A320-B8 A193-B8M, A193-L7	35CrMoA, 25Cr2MoV 0Cr18Ni9, 0Cr17Ni12Mo2
4	螺母 Nut	A194-2H, A194-8 A194-8M, A194-4	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	WCB, LCB WC1, WC6, WC9, C5, C12 CF8, CF8M, CF8C, CF3, CF3M	WCB WC1, WC6, WC9, C5 CF8, CF8M, CF8C, CF3, CF3M

法兰连接 升降式止回阀
FLANGED CONNECTION PISTON-LIFT TYPE CHECK VALVE



尺寸及重量Size & weight				PN1.6~4.0MPa			
型号Model		H2a2RFS-CC10、CA20、CS30					
压力Pressure		1.6MPa					
口径Size (mm)	50	65	80	100	125	150	200
L (mm)	230	290	310	350	400	480	600
H (mm)	115	140	175	203	228	250	285
重量Weight (Kg)	20	24	30	42	59	84	100
型号Model		H3a2RFS-CC10、CA20、CS30					
压力Pressure		2.5MPa					
口径Size (mm)	50	65	80	100	125	150	200
L (mm)	230	290	310	350	400	480	600
H (mm)	115	140	175	203	228	250	285
重量Weight (Kg)	21	25	31	42	60	86	102
型号Model		H4a2FFS-CC10、CA20、CS30					
压力Pressure		4.0MPa					
口径Size (mm)	50	65	80	100	125	150	200
L (mm)	230	290	310	350	400	480	600
H (mm)	115	160	178	203	228	265	317
重量Weight (Kg)	17	22	34	42	75	105	150

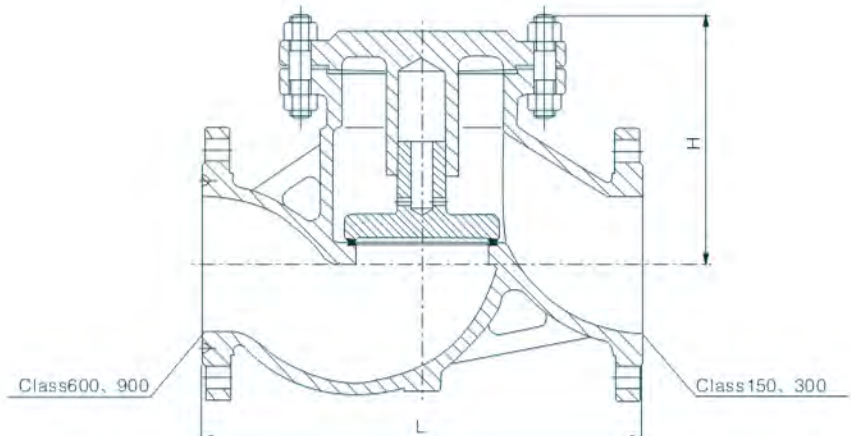
法兰连接 升降式止回阀
 FLANGED CONNECTION PISTON-LIFT TYPE CHECK VALVE



尺寸及重量Size & weight
 PN6.4~16.0MPa

型号Model		H5a2FFS-CC10、CA20、CS30					
压力Pressure		6.4MPa					
口径Size (mm)		50	65	80	100	125	150
L (mm)		300	340	380	430	500	550
H (mm)		175	190	208	230	265	312
重量Weight (Kg)		30	36	48	70	102	145
型号Model		H3a2RFS-CC10、CA20、CS30					
压力Pressure		10.0MPa					
口径Size (mm)		50	65	80	100	125	150
L (mm)		300	340	380	430	500	550
H (mm)		175	193	238	269	313	355
重量Weight (Kg)		30	43	65	89	102	123
型号Model		H4a2FFS-CC10、CA20、CS30					
压力Pressure		16.0MPa					
口径Size (mm)		50	65	80	100	125	150
L (mm)		300	340	380	430	500	550
H (mm)		175	193	238	269	313	355
重量Weight (Kg)		30	43	65	89	102	123

法兰连接 升降式止回阀
 FLANGED CONNECTION PISTON-LIFT TYPE CHECK VALVE



尺寸及重量Size & weight
 Class150~900

型号Model		H22RFS-CC10、CA20、CS30							
压力Pressure		Class150							
Size	mm	50	65	80	100	150	200	250	300
	in	2	2 1/2	3	4	6	8	10	12
L(mm)		203	216	241	292	356	495	622	698
H(mm)		165	175	190	215	265	320	365	415
重量Weight (Kg)		17	25	29	50	85	150	240	350
型号Model		H32RFS-CC10、CA20、CS30							
压力Pressure		Class300							
Size	mm	50	65	80	100	150	200	250	300
	in	2	2 1/2	3	4	6	8	10	12
L(mm)		267	292	318	356	444	533	622	711
H(mm)		190	205	220	245	295	330	420	480
重量Weight (Kg)		28	33	45	70	150	230	390	520
型号Model		H52JFS-CC10、CA20、CS30							
压力Pressure		Class600							
Size	mm	50	65	80	100	150	200	250	300
	in	2	2 1/2	3	4	6	8	10	12
L(mm)		295	334	359	435	562	664	791	842
H(mm)		210	230	255	295	365	420	505	545
重量Weight (Kg)		33	43	62	113	222	390	630	871
型号Model		H72JFS-CC10、CA20、CS30							
压力Pressure		Class900							
Size	mm	50	65	80	100	150	200	250	300
	in	2	2 1/2	3	4	6	8	10	12
L(mm)		372	422	384	460	613	711	842	911
H(mm)		235	270	302	342	425	505	545	613
重量Weight (Kg)		120	166	176	182	403	505	545	613



对夹连接 双瓣旋启式止回阀
WAFER TYPE DOUBLE DISC SWING CHECK VALVE

产品结构特征PRODUCTS DESIGN FEATURES

对夹连接旋启式止回阀适用于压力PN1.0~16.0MPa、Class150~900，工作温度-196~425℃的各种工况的管路上，防止介质的倒流。

其主要结构特点有：

- 1、产品结构长度短、体积小、重量轻。
- 2、密封面可根据不同的工况条件选用软密封或硬密封材质、密封性能好。
- 3、开启压力很小、阀瓣在很小的压差下就能完全打开。
- 4、阀瓣关闭快速，水锤压力小。
- 5、水平或垂直管道均可使用，安装方便。
- 6、零件材质及阀门端面形式、尺寸可根据实际工况或和用户要求合理选配，满足各种工程需要。

Wafer type double disc swing check valves are used in all kinds of pipes under the pressure of PN1.6~16.0MPa, class 150~900 and working temperature of -196~425℃. They are mainly used to prevent the reverse flux of the media.

Main structural features:

1. Short length, small volume and light weight.
2. Either soft sealing or hard sealing can be applied for the sealing surface according to different working conditions, both of which promise a perfect sealing effect.
3. With a small starting pressure, the valve discs can be fully opened under a very small pressure difference.
4. Fast discs closing and small water hammer pressure.
5. Convenient installation and applicability on both level and vertical pipes.
6. Different materials for the parts, sizes and forms of the valves surfaces are available for free combination according to the working facts and the customer's requirements.

产品规格PRODUCTS SPECIFICATION

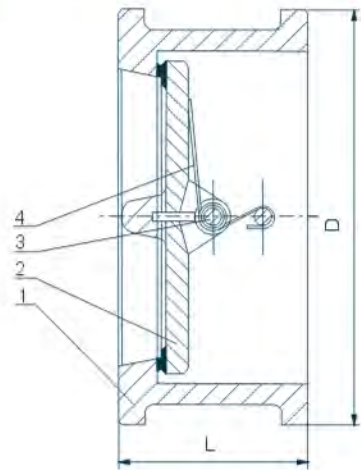
型号 Model	压力 Pressure	公称通径Nominal size (mm/in)														
		DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
		NPS	2	2½	3	4	5	6	8	10	12	14	16	18	20	24
H1a3R	1.0MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H2a3R	1.6MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H3a3R	2.5MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H4a3F	4.0MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	—	—	—
H5a3F	6.4MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	—	—	—	—	—
H6a3J	10.0MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	—	—	—	—	—
H7a3J	16.0MPa		☆	☆	☆	☆	☆	☆	☆	—	—	—	—	—	—	—
H23R	Class 150		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H33R	Class 300		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	—	—	—
H53J	Class 600		☆	☆	☆	☆	☆	☆	☆	☆	☆	—	—	—	—	—
H73J	Class 900		☆	☆	☆	☆	☆	☆	☆	—	—	—	—	—	—	—

产品性能规范 Products performance specifiatiion

压力等级 Pressure grade		1.6~16.0MPa	Class150~900
试验压力(Mpa) Test pressure	强度试验 Shell test	1.5xPN	
	密封试验 Sealing test	1.1xPN	
工作温度 Working temperature		-46℃~+425℃	
工作介质 Working Medium		水、油品、天然气、腐蚀性介质等 Water, oil, natural gas, corrosive medium, etc.	

注：PN为主体材料在38℃时允许的额定工作压力
Note: PN is requested pressure for the body material under the 38℃.

对夹连接 双瓣旋启式止回阀
WAFER TYPE DOUBLE DISC SWING CHECK VALVE



技术规范Technical specification

设计标准 Design Standard	GB/T 12224	API 594
结构长度 Face to Face	GB/T 12221	API 594 ASME B16.10
法兰尺寸 Flanged Size	GB/T 9113 JB/T 79	ASME B16.5
试验和检验 Test & Inspection	JB/T 9092	API 598

*注：系列阀门连接法兰尺寸可根据用户要求设计制造。
Notes: The sizes of serial valve connecting flange can be designed according to customer's requirement.

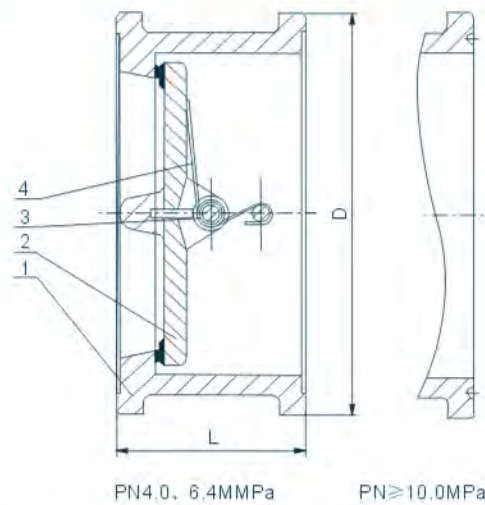
主要零件材质Form of major parts materials

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 Pin	1Cr13、2Cr13 1Cr18Ni9Ti、0Cr18Ni12Mo2Ti
4	弹簧 Spring	4Cr13、60Si2Mn 1Cr18Ni9Ti、0Cr18Ni12Mo2Ti

尺寸及重量Size & weight PN1.0~2.5MPa

型号Model		H1a3R-CC10、CS30														
压力Pressure		1.0MPa														
Size (mm)		50	65	80	100	125	150	200	250	300	350	400	450	500	600	
L (mm)		60	67	73	73	86	98	127	146	181	184	191	203	219	222	
H (mm)		109	129	144	164	194	220	275	330	380	440	492	542	597	698	
重量Weight (Kg)		2	3	4.2	6.2	7.5	11.5	20.2	31	48.2	72.5	104.5	151	180	300	
型号Model		H2a3R-CC10、CS30														
压力Pressure		1.6MPa														
Size (mm)		50	65	80	100	125	150	200	250	300	350	400	450	500	600	
L (mm)		60	67	73	73	86	98	127	146	181	184	191	203	219	222	
H (mm)		109	129	144	164	194	220	275	332	387	447	498	558	620	734	
重量Weight (Kg)		2	3	4.2	6.2	7.5	11.5	20.2	32	51	73	108	160	200	320	
型号Model		H3a3R-CC10、CS30														
压力Pressure		2.5MPa														
Size (mm)		50	65	80	100	125	150	200	250	300	350	400	450	500	600	
L (mm)		60	67	73	73	86	98	127	146	181	184	191	203	219	222	
H (mm)		109	129	144	170	197	227	287	343	403	460	518	568	624	734	
重量Weight (Kg)		2	3	4.2	6.2	9	12.5	23	40	55	82	118	212	240	412	

对夹连接 双瓣旋启式止回阀
WAFER TYPE DOUBLE DISC SWING CHECK VALVE



技术规范Technical specification

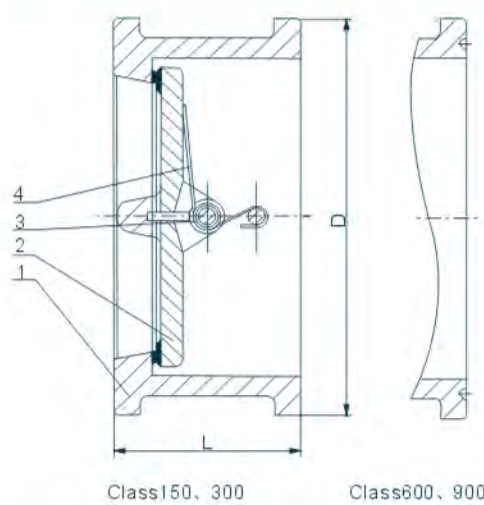
Table with 3 columns: Design Standard, GB/T 12224, API 594. Rows include Face to Face, Flanged Size, and Test & Inspection.

*注：系列阀门连接法兰尺寸可根据用户要求设计制造。
Notes: The sizes of serial valve connecting flange can be designed according to customer's requirement.

尺寸及重量Size & weight PN4.0~16.0MPa

Table with 15 columns for dimensions and weight. Rows include H4a3F-CC10, CS30 (4.0MPa), H5a3F-CC10, CS30 (6.4MPa), and H6a3J-CC10, CS30 / H7a3J-CC10, CS30 (10.0MPa and 16.0MPa).

对夹连接 双瓣旋启式止回阀
WAFER TYPE DOUBLE DISC SWING CHECK VALVE



技术规范Technical specification

Table with 2 columns: Design Standard, API 594. Rows include Face to Face, Flanged Ends, and Test & Inspection.

*注：系列阀门连接法兰尺寸可根据用户要求设计制造。
Notes: The sizes of serial valve connecting flange can be designed according to customer's requirement.

尺寸及重量Size & weight Class 150~900

Table with 15 columns for dimensions and weight. Rows include H23R-CC10, CS30 (Class 150), H33R-CC10, CS30 (Class 300), H53J-CC10, CS30 (Class 600), and H73J-CC10, CS30 (Class 900).



对夹连接 升降式止回阀
WAFER TYPE PISTON-LIFT CHECK VALVE

产品结构特征PRODUCTS DESIGN FEATURES

对夹连接升降式止回阀适用于压力PN1.0~16.0MPa、Class150~900，工作温度-196~425℃的各种工况的管路上，防止介质的倒流。

其主要结构特点有：

- 1、产品结构长度短、体积小、重量轻。
- 2、密封面堆焊硬质材料，耐磨、耐蚀、密封性能好，使用寿命长。
- 3、开启压力很小、阀瓣在很小的压差下就能完全打开。
- 4、阀瓣关闭快速，水锤压力小。
- 5、水平或垂直管道均可使用，安装方便。
- 6、零件材质及阀门端面形式、尺寸可根据实际工况或和用户要求合理选配，满足各种工程需要。

Wafer & Piston-Lift Type Check Valves are used in all Kinds of pipes under the pressure of PN 1.0–16.0Mpa and working temperature of -196–425℃ of class 150–900. They are mainly used to prevent the reverse flux of the media. The main structure features are:

Main structural features:

1. Short length, small volume and light weight.
2. Hard material welded sealing surface, which is wearing resistant, erosion proof, abrasion proof and long-lived.
3. With a small starting pressure, the valve discs can be fully opened under a very small pressure difference.
4. Fast discs closing and small water hammer pressure.
5. Convenient installation and applicability on both level and vertical pipes.
6. Different materials for the parts, sizes and forms of the valves surfaces are available for free combination according to the working facts and the customer's requirements.

产品规格 Products specification

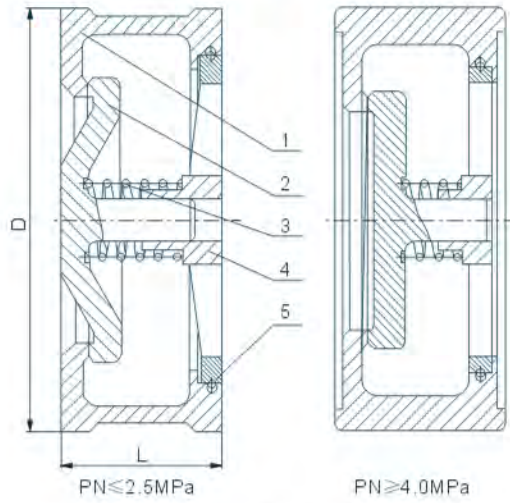
型号Model	压力Pressure	公称通径Nominal size (mm/in)											
		DN	15	20	25	32	40	50	65	80	100	125	150
		NPS	1/2	3/4	1	1¼	1½	2	2½	3	4	5	6
H1a3R	1.0MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H1(2)a3AR	1.0/1.6MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H3a3AR	2.5MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H4a3AF	4.0MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H5a3AF	6.4MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H6a3AJ	10.0MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H7a3AJ	16.0MPa		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H23AR	Class 150		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H33AR	Class 300		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H53AJ	Class 600		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆
H73AJ	Class 900		☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆

产品性能规范 Products performance specifiatiion

压力等级 Pressure grade		1.6~16.0MPa	Class150~900
试验压力(Mpa) Test pressure	强度试验 Shell test	1.5xPN	
	密封试验 Sealing test	1.1xPN	
工作温度 Working temperature		-46℃~+425℃	
工作介质 Working Medium		水、油品、天然气、腐蚀性介质等 Water, oil, natural gas, corrosive medium, etc.	

注：PN为主体材料在38℃时允许的额定工作压力
Note: PN is requested pressure for the body material under the 38℃.

对夹连接 升降式止回阀
WAFER TYPE PISTON-LIFT CHECK VALVE



技术规范Technical specification

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
试验和检验 Test & Inspection	JB/T 9092

* 注：系列阀门连接法兰尺寸可根据用户要求设计制造。
Notes: The sizes of serial valve connecting flange can be designed according to customer's requirement.

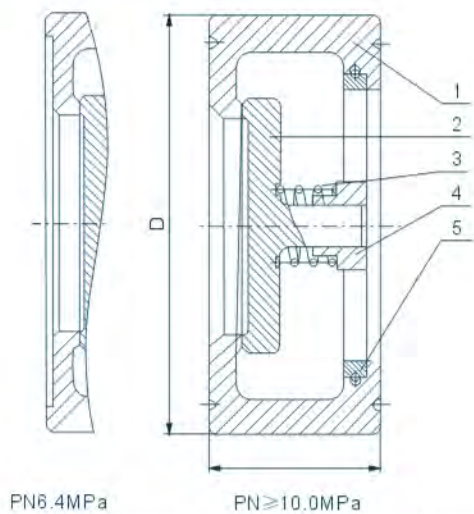
主要零件材质Form of major parts materials

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

尺寸及重量Size & weight

PN1.0~4.0MPa											
H1(2)a3,R-CC10、CS30											
压力 Pressure 1.0、1.6MPa											
Size (mm)	15	20	25	32	40	50	65	80	100	125	150
L (mm)	16	19	22	28	31.5	40	46	50	60	90	106
H (mm)	53	63	73	84	94	109	129	144	164	194	220
重量 Weight (Kg)	0.15	0.25	0.4	0.55	0.75	1.2	2.0	2.6	5.7	10	13
H3a3,R-CC10、CS30											
压力 Pressure 2.5MPa											
Size (mm)	15	20	25	32	40	50	65	80	100	125	150
L (mm)	16	19	22	28	31.5	40	46	50	60	90	106
H (mm)	53	63	73	84	94	109	129	144	170	197	220
重量 Weight (Kg)	0.2	0.3	0.45	0.6	0.8	1.2	2.3	3.0	7.0	12	13
H4a3,F-CC10、CS30											
压力 Pressure 4.0MPa											
Size (mm)	15	20	25	32	40	50	65	80	100	125	150
L (mm)	25	31.5	35.5	40	45	60	63	71	80	110	125
H (mm)	63	74	84	90	105	115	140	150	177	213	250
重量 Weight (Kg)	0.3	0.4	0.6	1.0	1.5	2.0	3.2	7.2	11	18	22

对夹连接 升降式止回阀
WAFER TYPE PISTON-LIFT CHECK VALVE



技术规范Technical specification

Table with 2 columns: Design Standard, GB/T 12224; Face to Face, GB/T 15188.2; Flanged Ends, JB/T 79; Test & Inspection, JB/T 9092.

*注: 系列阀门连接法兰尺寸可根据用户要求设计制造。
Notes: The sizes of serial valve connecting flange can be designed according to customer's requirement.

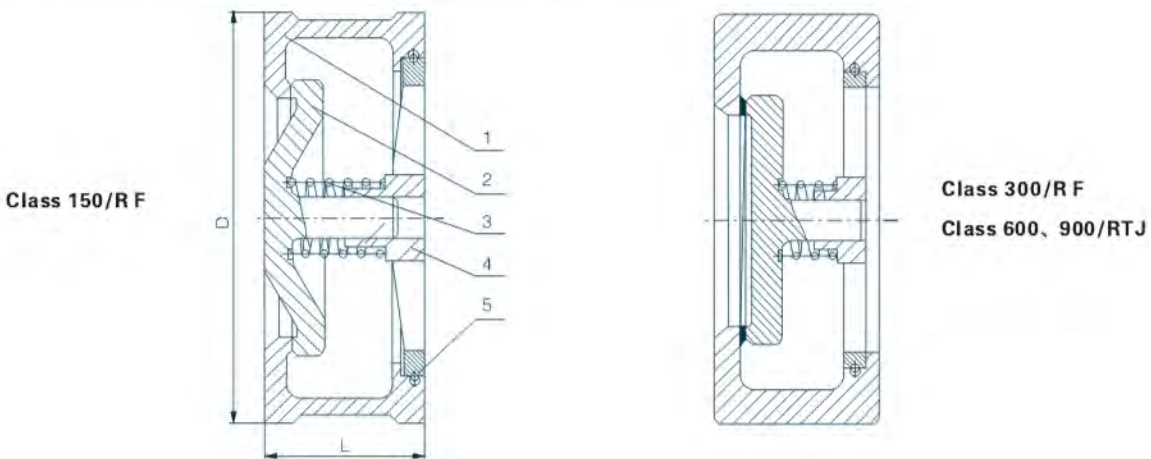
主要零件材质Form of major parts materials

Table with 3 columns: 序号 No., 零件名称 Part Name, 材质 Material. Rows 1-5: 1. 阀体 Body, 2. 阀瓣 Disc, 3. 弹簧 Spring, 4. 压板 Plate, 5. 挡圈 Lock ring.

尺寸及重量Size & weight PN6.4~16.0MPa

Table with 2 main sections for PN6.4~16.0MPa. Section 1: H5a3AF-CC10, CS30, 6.4MPa. Section 2: H6a3AJ-CC10, CS30, 10.0MPa. Section 3: H7a3AJ-CC10, CS30, 16.0MPa. Columns include Size (mm), L (mm), H (mm), and Weight (Kg).

对夹连接 升降式止回阀
WAFER TYPE PISTON-LIFT CHECK VALVE



技术规范Technical specification

Table with 2 columns: Design Standard, API 594; Face to Face, ASME B16.10; Flanged Ends, ASME B16.5; Test & Inspection, API 598.

*注: 系列阀门连接法兰尺寸可根据用户要求设计制造。
Notes: The sizes of serial valve connecting flange can be designed according to customer's requirement.

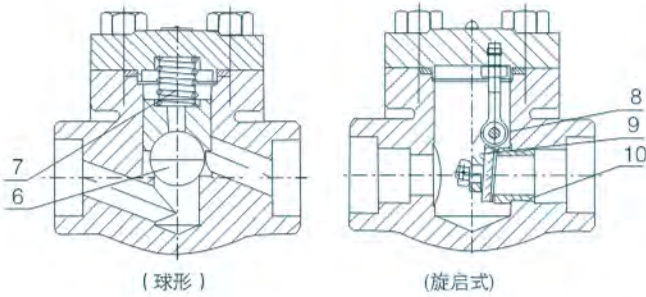
主要零件材质Form of major parts materials

Table with 3 columns: 序号 No., 零件名称 Part Name, 材质 Material. Rows 1-5: 1. 阀体 Body, 2. 阀瓣 Disc, 3. 弹簧 Spring, 4. 压板 Plate, 5. 挡圈 Lock ring.

尺寸及重量Size & weight Class150~900

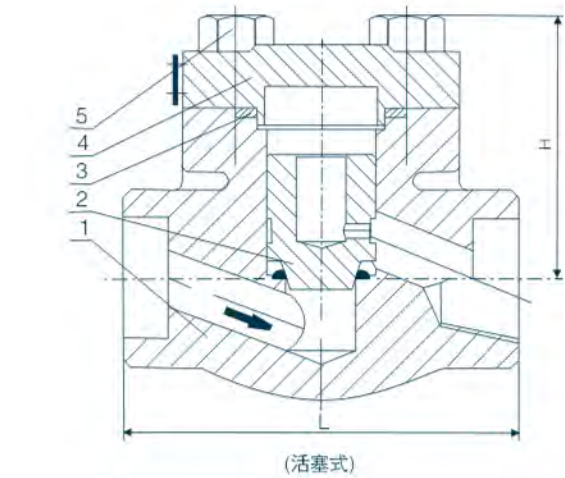
Table with 2 main sections for Class 150~900. Section 1: H23AR-CC10, CS30, Class 150. Section 2: H33AR-CC10, CS30, Class 300. Section 3: H53AJ-CC10, CS30, Class 600. Section 4: H73AJ-CC10, CS30, Class 900. Columns include Size (mm), L (mm), H (mm), and Weight (Kg).

锻钢止回阀
FORGED STEEL CHECK VALVE



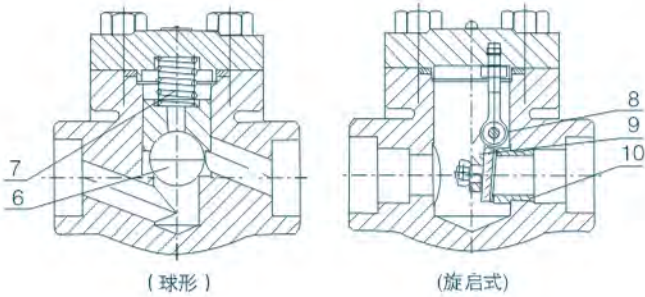
技术规范Technical specification	
结构形式 Structural Formation	BC-SWING、BC-PISTON-LIFT
设计标准 Design Standard	ASME B16.34、BS 5352
螺纹端 Thread Ends	ASME B1.20.1
承插焊端 Socket Welded Ends	ASME B16.11
试验和检验 Test & Inspection	API 598

主要零件材质Form of major parts materials		
序号 No.	零件名称 Part Name	材质 Material
1	阀体 Body	ASTM A105 ASTM A350-LF2 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316
2	阀瓣 Disc	ASTM A105 ASTM A350-LF2 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316L
3	垫片 Gasket	柔性石墨 + 不锈钢 Graphite & stainless steel
4	阀盖 Bonnet	ASTM A105 ASTM A350-LF2 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316
5	螺栓 Bolt	ASTMA193-B7、A320-B8、A193-B8M A193-L7
6	球 Ball	ASTM A105 ASTM A350-LF2 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316
7	弹簧 Spring	AISI 9260、AISI 6150 ASTMA182-F304、F316、F321、F304L、F316L
8	销轴 Pin	ASTMA182-F6a、ASTMA182-F22 ASTMA182-F304、F316、F321、F304L、F316L
9	摇杆 Arm	ASTM A105 ASTM A350-LF2 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316L
10	阀座 Seat	ASTMA105 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316L



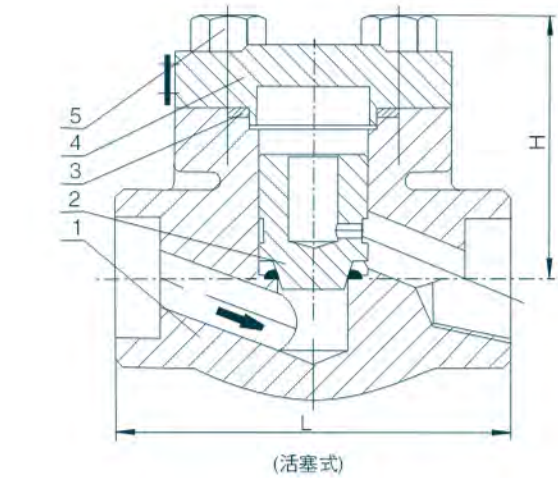
尺寸及重量SIZE & WEIGHT		Class 1500						
型号 Model		H81S(T)FS-C10、H81S(T)FS-A20、H81S(T)FS-S30(旋启式)						
Size	Class	1500						
	缩径Reduced bore mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
	全径Full bore mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
L (mm)		111	111	120	140	140	160	220
H (mm)		79	79	96	105	120	140	160
重量Weight(Kg)		3.3	3.6	4.3	6.0	8.7	12.5	16.0
型号 Model		H82S(T)FS-C10、H82S(T)FS-A20、H82S(T)FS-S30(活塞式、球形)						
Size	Class	2500						
	缩径Reduced bore mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
	全径Full bore mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
L (mm)		111	111	130	150	172	220	130
H (mm)		79	79	96	105	120	140	160
重量Weight(Kg)		3.0	3.5	4.7	7.0	10.5	14.5	16.5

锻钢止回阀
FORGED STEEL CHECK VALVE



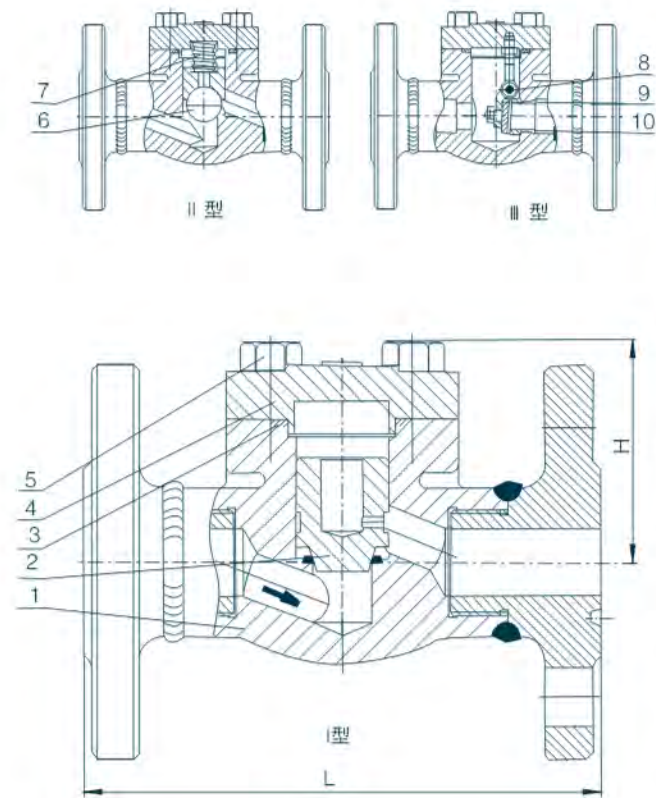
技术规范Technical specification	
结构形式 Structural Formation	BC-SWING、BC-PISTON-LIFT
设计标准 Design Standard	ASME B16.34、BS 5352
螺纹端 Thread Ends	ASME B1.20.1
承插焊端 Socket Welded Ends	ASME B16.11
试验和检验 Test & Inspection	API 598

主要零件材质Form of major parts materials		
序号 No.	零件名称 Part Name	材质 Material
1	阀体 Body	ASTM A105 ASTM A350-LF2 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316
2	阀瓣 Disc	ASTM A105 ASTM A350-LF2 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
3	垫片 Gasket	柔性石墨 + 不锈钢 Graphite & stainless steel
4	阀盖 Bonnet	ASTM A105 ASTM A350-LF2 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316
5	螺栓 Bolt	ASTM A193-B7、A320-B8、A193-B8M A193-L7
6	球 Ball	ASTM A105 ASTM A350-LF2 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316
7	弹簧 Spring	AISI 9260、AISI 6150 ASTM A350-LF2 ASTM A182-F304、F316、F321、F304L、F316L
8	销轴 Pin	ASTM A182-F6a、ASTM A182-F22 ASTM A182-F304、F316、F321、F304L、F316L
9	摇杆 Arm	ASTM A105 ASTM A350-LF2 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L
10	阀座 Seat	ASTM A105 ASTM A350-LF2 ASTM A182-F11、F22、F5、F9 ASTM A182-F304、F316、F321、F304L、F316L



尺寸及重量SIZE & WEIGHT		Class 800						
型号 Model		H61S(T)-C10、H61S(T)-A20、H61S(T)-S30(旋启式)						
Size	Class	800						
	缩径Reduced bore mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
	全径Full bore mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
L (mm)		80	92	111	120	120	140	170
H (mm)		61	61	78	85	103	119	132
重量Weight(Kg)		1.0	1.1	1.8	3.2	4.5	7.3	9.8
型号 Model		H62S(T)-C10、H62S(T)-A20、H62S(T)-S30(活塞式、球形)						
Size	Class	800						
	缩径Reduced bore mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
	全径Full bore mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
L (mm)		80	92	111	120	152	172	200
H (mm)		61	61	78	85	103	119	132
重量Weight(Kg)		1.2	1.4	2.5	3.9	5.5	8.9	12.5

锻钢止回阀 FORGED STEEL CHECK VALVE



技术规范Technical specification

结构形式 Structural Formation	BC-SWING、BC-PISTON-LIFT
设计标准 Design Standard	ASME B16.34、BS 5352
结构长度 Structural Length	ASME B16.10
连接法兰 Flanged Ends	ASME B16.5
试验和检验 Test & Inspection	API 598

主要零件材质Form of major parts materials

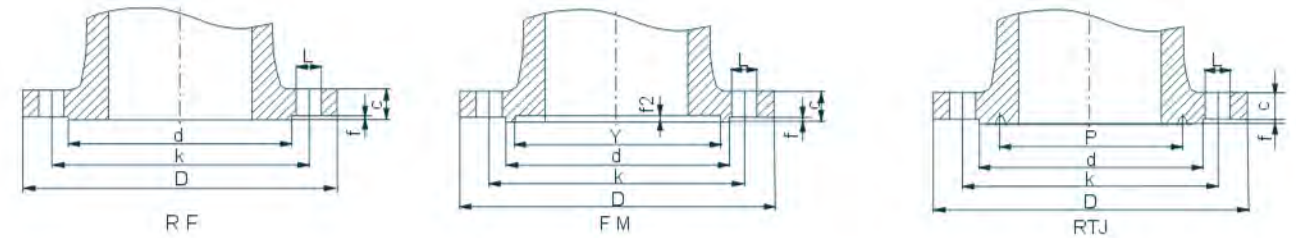
序号 No.	零件名称 Part Name	材质 Material
1	阀体 Body	ASTM A105 ASTM A350-LF2 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316
2	阀瓣 Disc	ASTM A105 ASTM A350-LF2 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316L
3	垫片 Gasket	柔性石墨 + 不锈钢 Graphite & stainless steel
4	阀盖 Bonnet	ASTM A105 ASTM A350-LF2 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316
5	螺栓 Bolt	ASTMA193-B7、A320-B8、A193-B8M A193-L7
6	球 Ball	ASTM A105 ASTM A350-LF2 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316
7	弹簧 Spring	AISI 9260、AISI 6150 ASTMA182-F304、F316、F321、F304L、F316L
8	销轴 Pin	ASTMA182-F6a、ASTMA182-F22 ASTMA182-F304、F316、F321、F304L、F316L
9	摇杆 Arm	ASTM A105 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316L
10	阀座 Seat	ASTMA105 ASTM A350-LF2 ASTMA182-F11、F22、F5、F9 ASTMA182-F304、F316、F321、F304L、F316L

尺寸及重量SIZE & WEIGHT

型号 Model		H21(2)R(J) -C10、H21(2)R(J)-A20、H21(2)R(J)-S30					
Class		150					
Size mm(in)		15(1/2)	20(3/4)	25(1)	32(1¼)	40(1½)	50(2)
L (mm)	RF	108	117.5	127	140	165	203
	RTJ	119	130	140	153	178	216
H (mm)		60	60	76	85	103	118
重量Weight (I、II、III)(Kg)		2.5(2.5)	3.3(3.4)	4.8(4.4)	7.0(8.2)	7.5(8.9)	11.0(12.5)
型号 Model		H31(2)R(J) -C10、H31(2)R(J)-A20、H31(2)R(J)-S30					
Class		300					
Size mm(in)		15(1/2)	20(3/4)	25(1)	32(1¼)	40(1½)	50(2)
L (mm)	RF	152.5	178	203	216	228.5	266.5
	RTJ	163.5	191	216	229	241	282
H (mm)		60	60	76	85	103	118
重量Weight (I、II、III)(Kg)		2.5(2.7)	3.5(3.5)	5.0(4.8)	7.5(8.8)	7.9(9.8)	11.6(13.5)
型号 Model		H51(2)R(J) -C10、H51(2)R(J)-A20、H51(2)R(J)-S30					
Class		600					
Size mm(in)		15(1/2)	20(3/4)	25(1)	32(1¼)	40(1½)	50(2)
L (mm)	RF	165	191	216	229	241	292
	RTJ	163.5	190.5	216	229	241	295
H (mm)		60	60	76	85	103	118
重量Weight (I、II、III)(Kg)		2.8(3.0)	4.2(4.1)	5.2(5.8)	7.7(9.5)	9.3(10.0)	13.2(15.5)



整体钢制管法兰 INTEGRAL STEEL PIPE FLANGE



PN1.6、2.5MPa R F JB/T 79.1

PN1.6MPa R F								PN2.5MPa R F							
DN	D	K	L	螺栓(Bolt)n-Th	d	f	C	DN	D	K	L	螺栓(Bolt)n-Th	d	f	C
50	165	125	18	4-M16	100	3	16	50	165	125	18	4-M16	99	3	20
65	185	145	18	4-M16	120	3	18	65	185	145	18	8-M16	118	3	22
80	200	160	18	8-M16	135	3	20	80	200	160	18	8-M16	132	3	22
100	220	180	18	8-M16	155	3	20	100	230	190	23	8-M20	156	3	24
125	250	210	18	8-M16	185	3	22	125	270	220	26	8-M24	184	3	28
150	285	240	23	8-M20	210	3	24	150	300	250	26	8-M24	211	3	30
200	340	295	23	12-M20	265	3	26	200	360	310	26	12-M24	274	3	34
250	405	355	26	12-M24	320	3	30	250	425	370	30	12-M27	330	3	36
300	460	410	26	12-M24	375	4	30	300	485	430	30	16-M27	389	4	40
350	520	470	26	16-M24	435	4	34	350	555	490	34	16-M30	448	4	44
400	580	525	30	16-M27	485	4	36	400	620	550	36	16-M33	503	4	48
450	640	585	30	20-M27	545	4	40	450	670	600	36	20-M33	548	4	50
500	715	650	30	20-M30	608	4	44	500	730	660	36	20-M33	609	4	52

PN4.0、6.3MPa FM JB/T 79.2

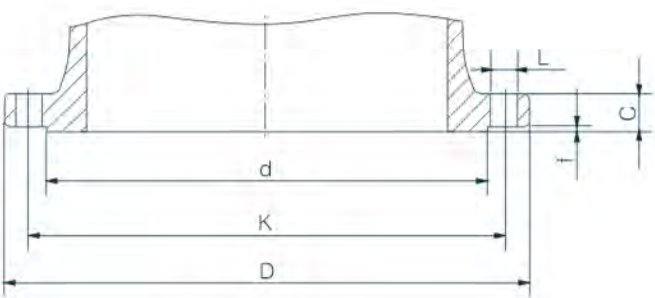
PN4.0MPa FM										PN6.3MPa FM									
DN	D	K	L	螺栓(Bolt)n-Th	d	Y	f	f2	C	DN	D	K	L	螺栓(Bolt)n-Th	d	Y	f	f2	C
50	165	125	18	4-M16	100	88	3	4	20	50	180	135	23	4-M20	105	88	3	4	26
65	185	145	18	8-M16	120	110	3	4	22	65	205	160	23	8-M20	130	110	3	4	28
80	200	160	18	8-M16	125	121	3	4	22	80	215	170	23	8-M20	140	121	3	4	30
100	235	190	23	8-M20	160	150	3	4.5	24	100	250	200	26	8-M24	168	150	3	4.5	32
125	270	220	26	8-M24	188	176	3	4	28	125	295	240	30	8-M27	202	176	3	4.5	36
150	300	250	26	8-M24	218	204	3	4	30	150	345	280	34	8-M30	240	204	3	4.5	38
200	375	320	30	12-M27	282	260	3	4	38	200	405	345	36	12-M33	300	260	3	4.5	44
250	450	385	34	12-M30	345	313	3	4	42	250	470	400	36	12-M33	352	313	3	4.5	48
300	515	450	34	16-M30	408	364	4	4	46	300	530	460	36	16-M33	412	364	4	4.5	54
350	580	510	36	16-M33	465	422	4	5	52	350	600	525	41	16-M36	475	422	4	5	60
400	660	585	41	16-M36	535	474	4	5	58	400	670	585	42	16-M39	525	474	4	5	66
450	685	610	41	20-M36	560	524	4	5	60	450	—	—	—	—	—	—	—	—	—
500	755	670	42	20-M39	612	576	4	5	62	500	800	705	48	20-M45	640	576	4	5	70

PN10.0、16.0MPa RTJ JB/T 79.4

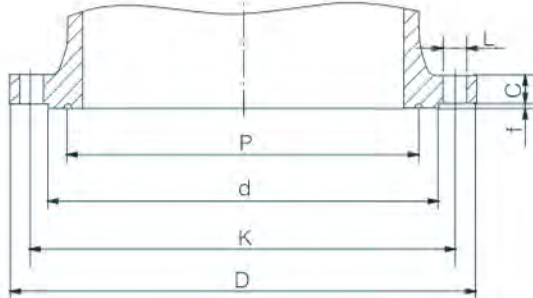
PN10.0MPa RTJ									PN16.0MPa RTJ								
DN	D	K	L	螺柱(Bolt)n-Th	d	P	f	C	DN	D	K	L	螺柱(Bolt)n-Th	d	P	f	C
50	195	145	26	4-M24	112	85	8	28	50	215	165	25	8-M22	132	95	8	36
65	220	170	26	8-M24	138	110	8	32	65	245	190	30	8-M27	152	110	8	44
80	230	180	26	8-M24	148	115	8	34	80	260	205	30	8-M27	168	130	8	46
100	265	210	30	8-M27	172	145	8	38	100	300	240	34	8-M30	200	160	8	48
125	315	250	34	8-M30	210	175	8	42	125	355	285	41	8-M36	238	190	8	60
150	355	290	34	12-M30	250	205	8	46	150	390	318	41	12-M36	270	205	10	66
200	430	360	36	12-M33	312	265	8	54	200	480	400	48	12-M42	345	275	11	78
250	505	430	41	13-M36	382	320	8	60	250	580	485	54	12-M48	425	330	11	88
300	585	500	42	16-M39	442	375	8	70	300	665	570	54	16-M48	510	380	11	100



整体钢制管法兰
INTEGRAL STEEL PIPE FLANGE



RF



RTJ

CLASS 150 RF

NPS	1/2	3/4	1	1¼	1½	2	2½	3	4	6	8	10	12	14	16
D	90	100	110	120	130	152	178	190	229	279	343	406	483	533	597
K	60.5	70	79.5	89	98.5	120.5	139.5	152.5	190.5	241.5	298.5	362	432	476	540
L	16	16	16	16	16	18	18	18	18	22	22	26	26	29	29
n-Th	4-M14	4-M14	4-M14	4-M14	4-M14	4-M16	4-M16	4-M16	8-M16	8-M20	8-M20	12-M24	12-M24	12-M27	16-M27
d	35	43	51	63.5	73	92	105	127	157	216	270	324	381	413	470
f	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
c	10	10	11.5	13	14.5	16	18	19	24	26	29	31	32	35	37

CLASS 300 RF

NPS	1/2	3/4	1	1¼	1½	2	2½	3	4	6	8	10	12	14	16
D	90	120	125	135	155	165	190	210	254	318	381	445	521	584	648
K	66.5	82.5	89	98.5	114.5	127	149	168.5	200	270	330	387.5	451	514.5	571.5
L	16	18	18	18	22	18	22	22	22	22	26	29.5	32.5	32.5	35
n-Th	4-M14	4-M16	4-M16	4-M16	4-M20	8-M16	8-M20	8-M20	8-M20	12-M20	12-M24	16-M27	16-M30	20-M30	20-M33
d	35	43	51	63.5	73	92	105	127	157	216	270	324	381	413	470
f	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
c	14.5	16	17.5	19.5	21	23	26	29	32	37	42	48	51	54	58

CLASS 600 RTJ

NPS	2	2½	3	4	6	8	10
D	165	190	210	275	355	420	510
K	127	149	168.5	216	292	349	432
L	18	22	22	26	29.5	32.5	35.5
n-Th	8-M16	8-M20	8-M20	8-M24	12-M27	12-M30	16-M33
d1	108	127	146	175	241	302	356
P	82.55	101.6	123.825	149.225	211.138	269.876	323.851
f1	7.9	7.9	7.9	7.9	7.9	7.9	7.9
C1	25.5	29	32	38.5	48	55.5	63.5

CLASS 900 RTJ

NPS	2	2½	3	4	6	8	10
D	216	244	241	292	381	470	545
K	165.1	190.5	190.5	234.9	317.5	393.7	469.9
L	26	29.5	26	32.5	32.5	39	39
n-Th	8-M24	8-M27	8-M24	8-M30	12-M30	12-M36×3	16-M36×3
d1	124	137	156	181	214	308	362
P	95.25	107.95	123.82	149.22	211.12	269.88	323.85
f1	7.9	7.9	7.9	7.9	7.9	7.9	7.9
C1	38.5	41.5	38.5	44.5	56	63.5	70

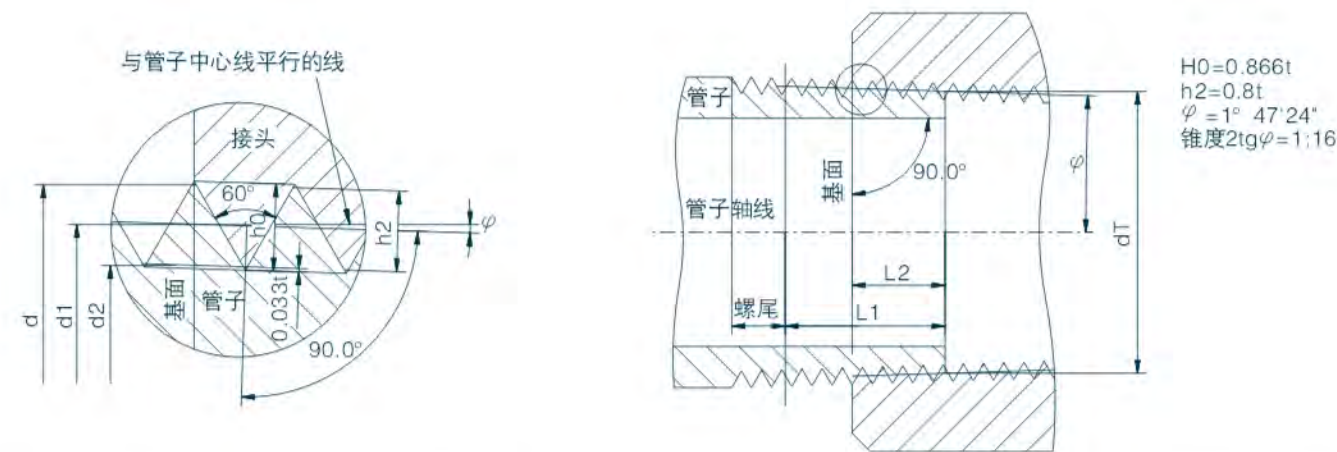
CLASS 1500 RTJ

NPS	2	2½	3	4	6	8	10
D	216	244	265	310	395	485	585
K	165.1	190.5	203	241.5	317.5	393.7	482.5
L	26	29.5	32.5	35.5	39	45	51
n-Th	8-M24	8-M27	8-M30	8-M33	12-M36×3	12-M42×3	16-M48×3
d1	124	137	168	194	248	318	371
P	95.25	107.95	136.52	161.92	211.12	269.88	323.85
f1	7.9	7.9	7.9	7.9	9.52	11.13	11.13
C1	38.5	41.5	48	54	83	92	108

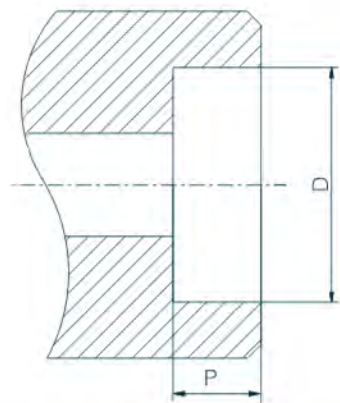
CLASS 2500 RTJ

NPS	2	2½	3	4	6	8	10
D	235	265	305	355	485	550	675
K	171.5	197	228.5	273	368.5	438	539.5
L	29.5	32.5	35.5	42	55	55	68
n-Th	8-M27	8-M30	8-M33	8-M39×3	8-M52×3	12-M52×3	16-M64×3
d1	133	149	168	203	279	340	425
P	101.6	111.12	127	157.18	228.6	279.4	342.9
f1	7.92	9.52	9.52	11.13	1.7	14.27	17.48
C1	51	57.5	57.5	76.5	108	127	165.5

附表
TABLES

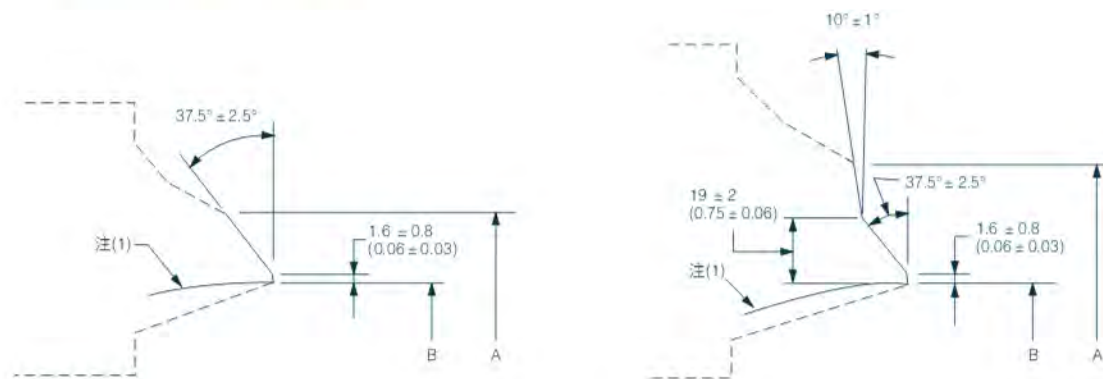


锥管螺纹 NATIONAL TAPER PIPE THREAD										ASME B1.20.1
公称直径 Nominal size		每英寸牙数 Threads Per Inch	螺距 Pitch of thread	螺纹长度 Thread length		基面上的螺纹直径 DIA.at reference surface			管端螺纹内径 Boot DIA.of the pipe thread	工作高度 Height
in	mm	n	p	L1	L2	d	d1	d2	dT	h1
3/8	10	18	1.411	10.5	6.096	17.055	15.926	14.797	14.416	1.129
1/2	15	14	1.814	13.5	8.128	21.223	19.772	18.321	17.813	1.451
3/4	20	14	1.814	14	8.611	26.568	25.117	23.666	23.128	1.4851
1	25	11-1/2	2.209	17.5	10.160	33.228	31.461	29.694	29.059	1.767
1 1/4	32	11-1/2	2.209	18	10.668	41.985	40.218	38.451	37.784	1.767
1 1/2	40	11-1/2	2.209	18.5	10.668	48.054	46.287	44.520	43.853	1.767
2	50	11-1/2	2.209	19	11.074	60.092	58.325	56.558	55.866	1.767



承插焊端 SOCKET WELDED ENDS										ASME B16.11
公称直径 Nominal Size	in	3/8	1/2	3/4	1	1 1/4	1 1/2	2		
	mm	10	15	20	25	32	40	50		
D	mm	17.53	21.72	27.05	33.78	42.54	48.64	61.11		
Pmin	mm	9.6	9.6	12.7	12.7	12.7	12.7	15.8		

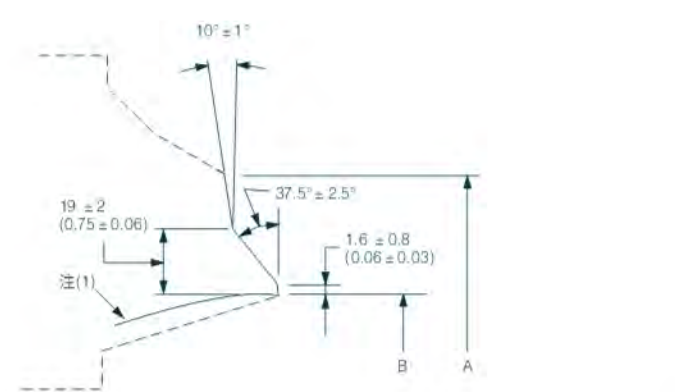
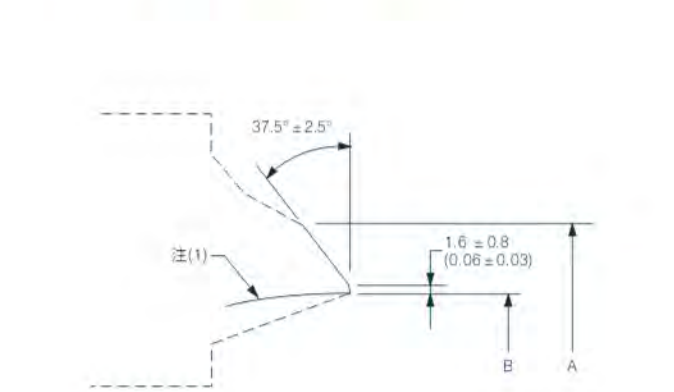
对接焊端
BUTT-WELDING ENDS



DN65-250						
管子 公称 规格 DN	管壁 厚度 系列号 [注(1)]	焊接端部外径		B	C[注(3)]	t
		锻造或 加工组件 [注(1)]A	铸钢 阀门 [注(2)]A			
65	40	73.0	75	62.5	662.93	5.16
	80	73.0	75	59	59.69	7.01
	160	73.0	75	54	55.28	9.35
	XXS	73.0	75	45	47.43	14.02
80	40	88.9	91	78	78.25	5.49
	80	88.9	91	73.5	74.53	7.62
	160	88.9	91	66.5	68.38	11.13
	XXS	88.9	91	58.5	61.19	15.24
90	40	101.6	105	90	90.52	5.74
	80	101.6	105	85.5	86.42	8.08
	40	114.3	117	102	102.73	6.02
	80	114.3	117	97	98.28	8.56
100	120	114.3	117	92	93.78	11.13
	160	114.3	117	87.5	89.65	13.49
	XXS	114.3	117	80	83.30	17.12
125	40	141.3	144	128	128.80	6.55
	80	141.3	144	122	123.58	9.3
	120	141.3	144	116	118.04	12.70
	160	141.3	144	109.5	112.47	15.88
150	XXS	141.3	144	103	106.92	19.05
	40	168.3	172	154	154.82	7.11
	80	168.3	172	146.5	148.06	10.97
	120	168.3	172	140	142.29	14.27
200	160	168.3	172	132	135.31	18.26
	XXS	168.3	172	124.5	128.85	21.95
	40	219.1	223	203	203.75	8.18
	60	219.1	223	198.5	200.02	10.31
250	80	219.1	223	193.5	196.84	12.70
	100	219.1	223	189	191.65	15.09
	120	219.1	223	182.5	186.11	18.26
	140	219.1	223	178	181.98	20.62
300	XXS	219.1	223	174.5	179.16	22.23
	160	219.1	223	173	177.79	23.01
	40	273.0	278	254.5	255.74	9.27
	60	273.0	278	247.5	249.74	12.70
350	80	273.0	278	243	245.55	15.09
	100	273.0	278	236.5	240.01	18.26
	120	273.0	278	230	234.44	21.44
	140	273.0	278	222	227.51	25.40
400	160	273.0	278	216	221.95	28.58

DN300-450						
管子 公称 规格 DN	管壁 厚度 系列号 [注(1)]	焊接端部外径		B	C[注(3)]	t
		锻造或 加工组件 [注(1)]A	铸钢 阀门 [注(2)]A			
300	STD	323.8	329	305	306.08	9.53
	40	323.8	329	303	304.72	10.31
	XS	323.8	329	298.5	300.54	12.70
	60	323.8	329	295	297.79	14.27
350	80	323.8	329	289	292.17	17.48
	100	323.8	329	281	285.24	21.44
	120	323.8	329	273	278.31	25.40
	140	323.8	329	266.5	272.75	28.58
400	160	323.8	329	257	264.45	33.32
	STD	355.6	362	336.5	337.88	9.53
	40	355.6	362	333.5	335.08	11.13
	XS	355.6	362	330	332.34	12.70
450	60	355.6	362	325.5	328.15	15.09
	80	355.6	362	317.5	321.22	19.05
	100	355.6	362	308	312.86	23.83
	120	355.6	362	300	305.93	27.79
500	140	355.6	362	292	299.00	31.75
	160	355.6	362	284	292.07	35.71
	STD	406.4	413	387.5	388.68	9.53
	40	406.4	413	381	383.14	12.70
550	60	406.4	413	373	376.21	16.66
	80	406.4	413	363.5	367.84	21.44
	100	406.4	413	354	359.53	26.19
	120	406.4	413	344.5	351.18	30.96
600	140	406.4	413	333.5	341.43	36.53
	160	406.4	413	325.5	334.50	40.49
	STD	457.2	464	438	439.48	9.53
	40	457.2	464	432	433.94	12.70
650	XS	457.2	464	428.5	431.19	14.27
	60	457.2	464	419	422.82	19.05
	80	457.2	464	409.5	414.46	23.83
	100	457.2	464	398.5	404.78	29.36
700	120	457.2	464	387.5	395.03	34.93
	140	457.2	464	378	386.77	39.67
	160	457.2	464	366.5	376.99	45.24

对接焊端
BUTT-WELDING ENDS

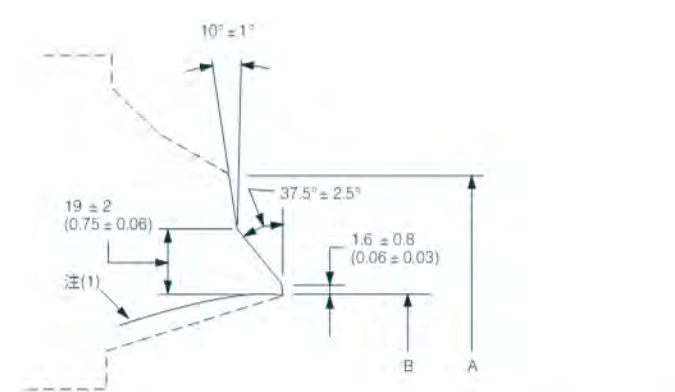
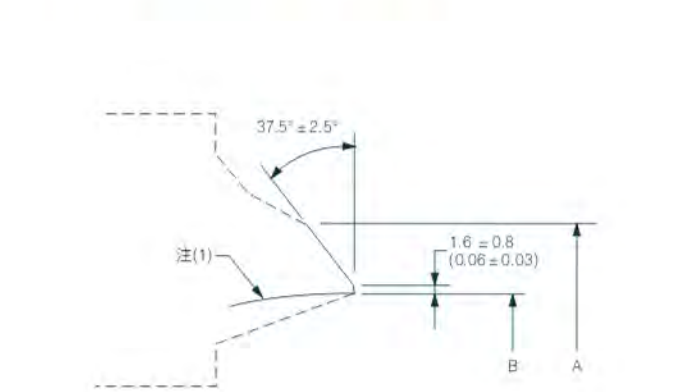


DN500-800						
管子公称规格 DN	管壁厚度 系列号 [注(1)]	焊接端部外径		B	C[注(3)]	t
		锻造或加工组件 [注(1)]A	铸钢阀门 [注(2)]A			
500	STD	508.0	516	489	490.28	9.53
	XS	508.0	516	482.5	484.74	12.70
	40	508.0	516	478	480.55	15.09
	60	508.0	516	467	470.88	20.62
	80	508.0	516	455.5	461.13	26.19
	100	508.0	516	443	450.02	32.54
	120	508.0	516	432	440.29	38.10
	140	508.0	516	419	429.17	44.45
550	160	508.0	516	408	419.44	50.01
	STD	558.8	567	539	541.08	9.53
	XS	558.8	567	533	535.54	12.70
	40	558.8	567	514	518.86	22.23
	60	558.8	567	501	507.75	28.58
	80	558.8	567	488.5	496.63	34.93
	100	558.8	567	476	485.52	41.28
	120	558.8	567	463	474.41	47.63
600	140	558.8	567	450.5	463.30	53.98
	160	558.8	567	439.5	452.19	60.33
	STD	609.6	619	590.5	591.88	9.53
	XS	609.6	619	584	586.34	12.70
	30	609.6	619	581	583.59	14.27
	40	609.6	619	574.5	577.97	17.48
	60	609.6	619	560.5	565.49	24.61
	80	609.6	619	547.5	554.38	30.96
650	100	609.6	619	532	540.49	38.89
	120	609.6	619	517.5	528.03	46.02
	140	609.6	619	505	516.91	52.37
	160	609.6	619	490.5	504.37	59.54
	10	660.4	670	645.5	645.50	7.92
	20	660.4	670	635	637.14	12.70
	10	711.2	721	695.5	696.30	7.92
	20	711.2	721	686	687.94	12.70
700	30	711.2	721	679.5	682.37	15.88
	10	762.0	772	746	747.10	7.92
	20	762.0	772	736.5	738.74	12.70
	30	762.0	772	730	733.17	15.88
	10	812.8	825	797	797.90	7.92
	20	812.8	825	787.5	789.54	12.70
	30	812.8	825	781	783.97	15.88
	40	812.8	825	778	781.17	17.48

DN850-900						
管子公称规格 DN	管壁厚度 系列号 [注(1)]	焊接端部外径		B	C[注(3)]	t
		锻造或加工组件 [注(1)]A	铸钢阀门 [注(2)]A			
850	10	863.6	876	848	848.70	7.92
	20	863.6	876	838	840.34	12.70
	30	863.6	876	832	834.77	15.88
	40	863.6	876	828.5	831.97	17.48
900	10	914.4	927	898.5	889.50	7.92
	20	914.4	927	889	891.14	12.70
	30	914.4	927	882.5	885.57	15.88
	40	914.4	927	876.5	880.02	19.05

注: (1) 字母代号为:
(a) STD=标准壁厚
(b) XS=加厚
(c) XXS=特加厚
(2) 所列直径为非要求尺寸, 此处列出为使用者提供方便。
(3) Dn50及更小规格连续垫环不考虑内部机加工。

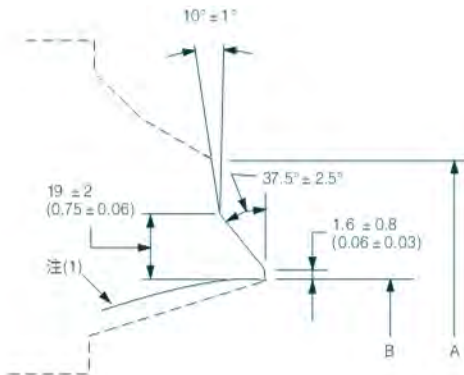
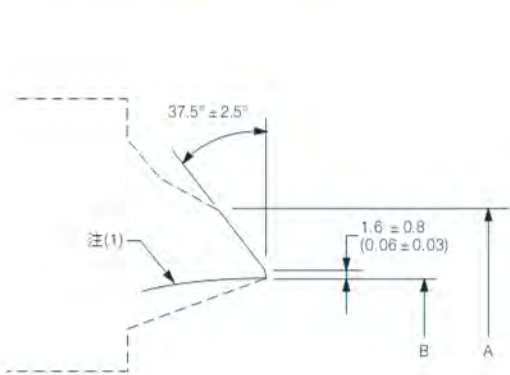
对接焊端
BUTT-WELDING ENDS



DN65-250						
Pipe nominal specification (DN)	Series of pipe schedule thickness [Note(1)]	Welded-end out diameters		B	C[Note(3)]	t
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A			
65	40	73.0	75	62.5	662.93	5.16
	80	73.0	75	59	59.69	7.01
	160	73.0	75	54	55.28	9.35
	XXS	73.0	75	45	47.43	14.02
80	40	88.9	91	78	78.25	5.49
	80	88.9	91	73.5	74.53	7.62
	160	88.9	91	66.5	68.38	11.13
	XXS	88.9	91	58.5	61.19	15.24
90	40	101.6	105	90	90.52	5.74
	80	101.6	105	85.5	86.42	8.08
	40	114.3	117	102	102.73	6.02
	80	114.3	117	97	98.28	8.56
100	120	114.3	117	92	93.78	11.13
	160	114.3	117	87.5	89.65	13.49
	XXS	114.3	117	80	83.30	17.12
125	40	141.3	144	128	128.80	6.55
	80	141.3	144	122	123.58	9.3
	120	141.3	144	116	118.04	12.70
	160	141.3	144	109.5	112.47	15.88
150	XXS	141.3	144	103	106.92	19.05
	40	168.3	172	154	154.82	7.11
	80	168.3	172	146.5	148.06	10.97
	120	168.3	172	140	142.29	14.27
200	160	168.3	172	132	135.31	18.26
	XXS	168.3	172	124.5	128.85	21.95
	40	219.1	223	203	203.75	8.18
	60	219.1	223	198.5	200.02	10.31
250	80	219.1	223	193.5	196.84	12.70
	100	219.1	223	189	191.65	15.09
	120	219.1	223	182.5	186.11	18.26
	140	219.1	223	178	181.98	20.62
300	XXS	219.1	223	174.5	179.16	22.23
	160	219.1	223	173	177.79	23.01
	40	273.0	278	254.5	255.74	9.27
	60	273.0	278	247.5	249.74	12.70
350	80	273.0	278	243	245.55	15.09
	100	273.0	278	236.5	240.01	18.26
	120	273.0	278	230	234.44	21.44
	140	273.0	278	222	227.51	25.40
400	160	273.0	278	216	221.95	28.58

DN300-450						
Pipe nominal specification (DN)	Series of pipe schedule thickness [Note(1)]	Welded-end out diameters		B	C[Note(3)]	t
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A			
300	STD	323.8	329	305	306.08	9.53
	40	323.8	329	303	304.72	10.31
	XS	323.8	329	298.5	300.54	12.70
	60	323.8	329	295	297.79	14.27
	80	323.8	329	289	292.17	17.48
	100	323.8	329	281	285.24	21.44
	120	323.8	329	273	278.31	25.40
	140	323.8	329	266.5	272.75	28.58
350	160	323.8	329	257	264.45	33.32
	STD	355.6	362	336.5	337.88	9.53
	40	355.6	362	333.5	335.08	11.13
	XS	355.6	362	330	332.34	12.70
	60	355.6	362	325.5	328.15	15.09
	80	355.6	362	317.5	321.22	19.05
	100	355.6	362	308	312.86	23.83
	120	355.6	362	300	305.93	27.79
400	140	355.6	362	292	299.00	31.75
	160	355.6	362	284	292.07	35.71
	STD	406.4	413	387.5	388.68	9.53
	40	406.4	413	381	383.14	12.70
	60	406.4	413	373	376.21	16.66
	80	406.4	413	363.5	367.84	21.44
	100	406.4	413	354	359.53	26.19
	120	406.4	413	344.5	351.18	30.96
450	140	406.4	413	333.5	341.43	36.53
	160	406.4	413	325.5	334.50	40.49
	STD	457.2	464	438	439.48	9.53
	40	457.2	464	432	433.94	12.70
	XS	457.2	464	428.5	431.19	14.27
	60	457.2	464	419	422.82	19.05
	80	457.2	464	409.5	414.46	23.83
	100	457.2	464	398.5	404.78	29.36
500	120	457.2	464	387.5	395.03	34.93
	140	457.2	464	378	386.77	39.67
	160	457.2	464	366.5	376.99	45.24

对接焊端
BUTT-WELDING ENDS



DN500-800						
Pipe nominal specification (DN)	Series of pipe schedule thickness [Note(1)]	Welded-end out diameters		B	C[Note(3)]	t
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A			
500	STD	508.0	516	489	490.28	9.53
	XS	508.0	516	482.5	484.74	12.70
	40	508.0	516	478	480.55	15.09
	60	508.0	516	467	470.88	20.62
	80	508.0	516	455.5	461.13	26.19
	100	508.0	516	443	450.02	32.54
	120	508.0	516	432	440.29	38.10
	140	508.0	516	419	429.17	44.45
550	160	508.0	516	408	419.44	50.01
	STD	558.8	567	539	541.08	9.53
	XS	558.8	567	533	535.54	12.70
	60	558.8	567	514	518.86	22.23
	80	558.8	567	501	507.75	28.58
	100	558.8	567	488.5	496.63	34.93
	120	558.8	567	476	485.52	41.28
	140	558.8	567	463	474.41	47.63
600	160	558.8	567	450.5	463.30	53.98
	STD	609.6	619	590.5	591.88	9.53
	XS	609.6	619	584	586.34	12.70
	30	609.6	619	581	583.59	14.27
	40	609.6	619	574.5	577.97	17.48
	60	609.6	619	560.5	565.49	24.61
	80	609.6	619	547.5	554.38	30.96
	100	609.6	619	532	540.49	38.89
650	120	609.6	619	517.5	528.03	46.02
	140	609.6	619	505	516.91	52.37
	160	609.6	619	490.5	504.37	59.54
	10	660.4	670	645.5	645.50	7.92
	20	660.4	670	635	637.14	12.70
	10	711.2	721	695.5	696.30	7.92
	20	711.2	721	686	687.94	12.70
	30	711.2	721	679.5	682.37	15.88
700	10	762.0	772	746	747.10	7.92
	20	762.0	772	736.5	738.74	12.70
	30	762.0	772	730	733.17	15.88
	10	812.8	825	797	797.90	7.92
	20	812.8	825	787.5	789.54	12.70
	30	812.8	825	781	783.97	15.88
	40	812.8	825	778	781.17	17.48

DN850-900						
Pipe nominal specification (DN)	Series of pipe schedule thickness [Note(1)]	Welded-end out diameters		B	C[Note(3)]	t
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A			
850	10	863.6	876	848	848.70	7.92
	20	863.6	876	838	840.34	12.70
	30	863.6	876	832	834.77	15.88
	40	863.6	876	828.5	831.97	17.48
900	10	914.4	927	898.5	889.50	7.92
	20	914.4	927	889	891.14	12.70
	30	914.4	927	882.5	885.57	15.88
	40	914.4	927	876.5	880.02	19.05

Note:(1)Characters stand for:
(a)STD=Standard schedule thickness
(b)XS=Thickened
(c)XXS=Super thickened
(2)All the diameters are not required size, just be convenient for users.
(3)Gasket rings for DN50 and below size are not considered to manufacture.