

# KHV FLOWCONTROL CO., LTD

[www.khvfl.com](http://www.khvfl.com)

出口阀门优秀供应商 Export valves outstanding providers!



# KHV FLOWCONTROL CO., LTD

## CHECK VALVE SERIES 止回阀系列

耐久品质 · 邦硬品牌  
DURABLE QUALITY SOLUD BRAND



## PRODUCING AND EQUIPMENT 生产装备

To The Abundant Technical Force, Excellent Equipment, Perfect Technology  
To Provide Customers With Quality Products Constantly.

以雄厚的技术力量、精良的设备、完善的工艺不断为顾客提供优质产品。

- 科学完善的质量体系是产品品质的保证。 Complete Quality Control System to Guqrantee Our Products.
- 雄厚的企业实力才能在竞争中取胜。 Robust Corporation Capacity to Sharp Our Competitiveness.
- 现代化的加工装备是我们的基础。 Modern Manufacturing Equipment As Our Base Stone.



Exquisite Processing Technique, Perfect Quality Assurance System,  
Supplys Excellent Qualified Guarantee For Any Parts.

精湛的生产工艺、完善的质保体系，为任一零件提供优质的保障

先进的加工设备，可靠的质量保证，一流的检测设备，一丝不苟的检测手段，确保产品的稳定和可靠。

Advanced processing equipment, reliable quality guaranty best checking equipment, earnest checking measures.  
macking sure of the steadiness and reliane of our products.

SHOW OF PRODUCTS

产品展示

# Content 目录

01	产品展示 Show Of Products
02-07	对夹式止回阀概述 Wafer Type Check Valve Overview
08-25	H76型对夹双瓣旋启式止回阀 Wafer type double disc swing check valve
26-30	法兰连接H46型双瓣旋启式止回阀 H46-Double Flanged Type Double Disc Swing Check
31-37	H74型对夹单瓣旋启式止回阀 H74-Wafer Type Single Disc Swing Check Valve (Casting Body) H77型斜盘对夹单瓣旋启式止回阀 H77-Wafer Type Tilting Disc Check Valve
38-43	H71型对夹升降式止回阀 H71-Wafer Type Single Disc Lift Check Valve
44-52	H41轴流式止回阀 H41 Axial Flow Check Valve H44旋启式止回阀 H44 Swing Check Valve H47斜盘式止回阀 H47 Tilting Disc Check Valve
53	对夹式止回阀型号编制方法 Wafer Check Valve Model Methodology
54-55	对夹式止回阀的选用及订货须知 Wafer Check Valve Selection And Ordering Information



外置对夹双瓣旋启式止回阀  
Wafer type double disc swing check valve



内置双瓣对夹旋启式止回阀  
Wafer retainerless type double disc swing check valve



铸造内置式凸耳式双瓣旋启式止回阀  
Lug type double disc swing check valve (casting body)



铸造凸耳式双瓣旋启式止回阀  
Lug type double disc swing check valve (casting body)



锻件凸耳式双瓣旋启式止回阀  
Lug type double disc swing check valve (forging body)



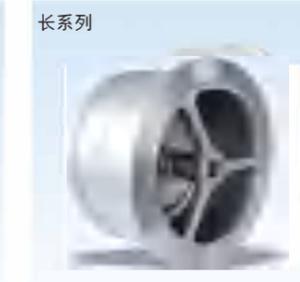
法兰式双瓣旋启式止回阀  
Double flanged type double disc swing check valve



单瓣旋启式对夹止回阀  
Wafer type single disc swing check valve (casting body)



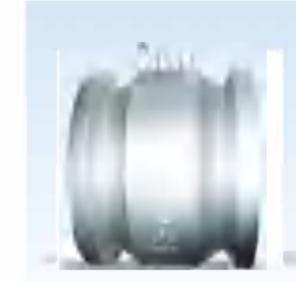
对夹单瓣旋启式止回阀  
Sandwich type single disc swing check valve (forging body)



长系列  
单瓣对夹升降式止回阀  
Wafer type single disc lift check valve



长系列  
单瓣对夹升降式止回阀  
Wafer type single disc lift check valve



卡箍式双瓣旋启式止回阀  
Hub type double disc swing check valve



旋启式止回阀  
Double flanged type swing disc check valve



斜盘单瓣旋启式止回阀  
Double flanged type tilting disc check valve



斜盘对夹单瓣旋启式止回阀  
Wafer type tilting disc check valve



轴流式止回阀  
Axial Flow Check Valve



轴流式止回阀  
Axial Flow Check Valve

## WAFER TYPE CHECK VALVE OVERVIEW

### 对夹式止回阀概述

#### 用途

对夹式止回阀适用于公称压力PN1.0MPa~42.0MPa、Class150~2500；公称通径DN15~1200mm、NPS1/2~48；工作温度-196~540℃的各种管路上，用于防止介质倒流。通过选用不同的材质，可适用于水、蒸汽、油品、硝酸、醋酸、强氧化性介质及尿素等多种介质。

#### 标准与规范

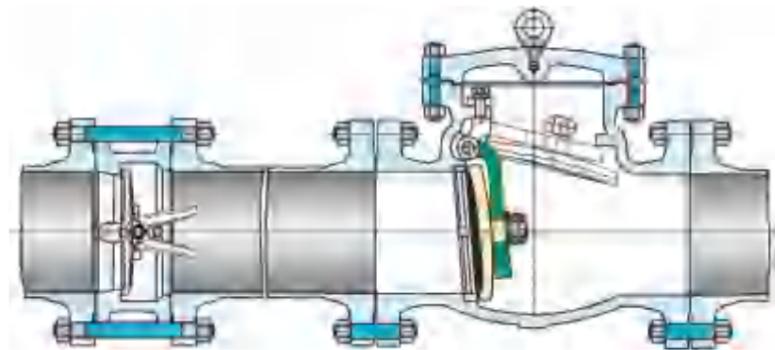
1. 设计与制造：API594、API6D、JB/T8937；
2. 结构长度：API594、API6D、DIN3202、JB/T8937；
3. 压力-温度等级：ASME B16.34、DIN2401、GB/T12224；
4. 试验与检验：API598、GB/T26480；
5. 配管法兰：JB/T74~90、GB/T9113、HG20592~20635、SH3406、ASME B16.5、DIN2543~2548、GB/T13402、API605、ASME B16.47。

#### 结构特点

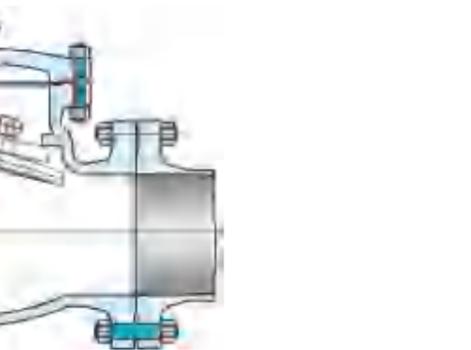
1. 结构长度短，其结构长度只有传统法兰止回阀的1/4~1/8；
2. 体积小、重量轻，其重量只有传统法兰止回阀的1/4~1/20；
3. 阀瓣关闭快速，水锤压力小；
4. 水平管道或垂直管道均可使用，安装方便；
5. 流道通畅、流体阻力小；
6. 动作灵敏、密封性能好；
7. 阀瓣行程短、关闭冲击力小；
8. 整体结构、简单紧凑、造型美观；
9. 使用寿命长、可靠性高。

#### 旋启式止回阀对比

结构形式	H76型对夹双瓣旋启式止回阀	H44型法兰单瓣旋启式止回阀
水锤压力	小，阀瓣行程短、且有弹簧辅助关闭、关闭速度快	很大，阀瓣行程长，需要较长的关闭时间
	H76型的水锤压力只有H44型的1/2~1/5	
尺寸和重量	结构长度很短、体积小、重量轻，为阀门的安装、搬运、存放及管道的布置带来很大的便利，并能大量节约材料、降低造价	结构长度很长，体积笨大，重量很重
	H76型的结构长度只有H44型的1/4~1/6，H76型的重量只有H44型的1/4~1/10	
流体阻力	小，流体阻力系数 $\xi$ 为2.6~0.7，随着阀门口径的增大，流体阻力系数减小	小，流体阻力系数 $\xi$ 为1.3~3，但在低压工况下，阀瓣不能完全开启，流体阻力大。流体阻力随着阀门口径的增大而增大
安装	可水平安装或垂直安装，重量轻，不必为阀门设置支座	可水平安装或垂直安装，大口径阀门重量重，需设置支座
开启压力	很小，阀瓣在很小的压差下就能完全打开	较大，阀瓣在较大的压差下才能完全打开
可靠性	阀体为整体结构，简单紧凑、阀门关闭时冲击力小，水锤压力小，阀门寿命长，可靠性高	阀门关闭时的巨大冲击力及水锤压力容易损坏阀门



H76型对夹双瓣旋启式止回阀



H44法兰单瓣旋启式止回阀

## WAFER TYPE CHECK VALVE OVERVIEW

### 对夹式止回阀概述

#### Use

Wafer check valve is applicable for various pipelines with nominal pressure of PN1.0MPa~42.0MPa, Class150~2500 and nominal diameter of DN15~1200mm, NPS1/2~48 and working temperature of -196~540℃ to be used for protecting from medium backflowing. The different materials selection can apply to the medium involving water, steam, oils, nitric acid, acetic acid, strong oxidizing medium and urea etc..

#### Standard and specification

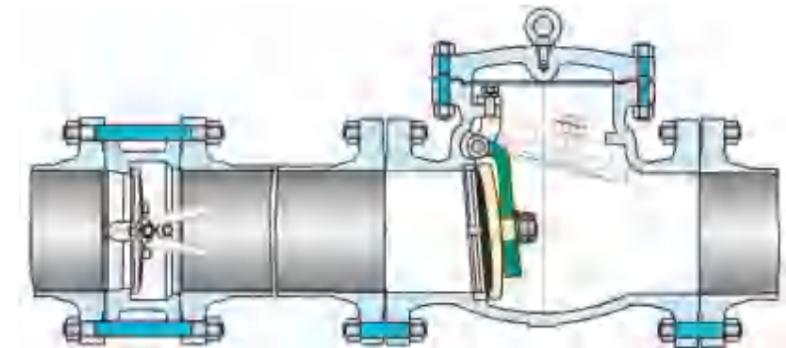
1. Design and manufacture:API594,API6D,JB/T8937;
2. Face to face and end and end:API594,API6D,DIN3202,JB/T8937;
3. Pressure-temperature ratings ASME B16.34,DIN2401,GB/T12224;
4. Inspection and test:API598、GB/T26480;
5. Pipe flange:JB/T74~90,GB/T9113,HG20592~20635,SH3406,ASME B16.5,DIN2543~2548,GB/T13402,API605,ASME B16.47。

#### Structural feature

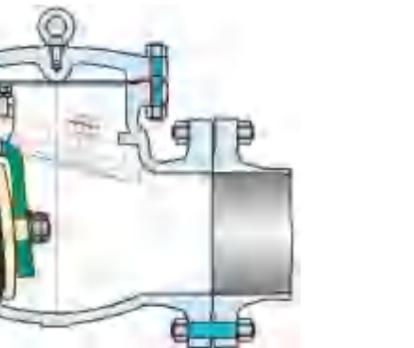
1. Short structural length, only 1/4 ~ 1/8 of that of traditional flanged check valve;
2. Low volume, light weight, only 1/4~1/20 of those of traditional flanged check valve;
3. Quick valve disc closedown, low water hammer pressure;
4. Applicable for and easily installed for vertical or horizontal pipelines;
5. Smooth flow passway and small fluid resistance;
6. Flexible action and good sealing performance;
7. Narrow valve travel and small closedown impact;
8. Integrated structure, simple and compact, in beautiful shape;
9. Long service life and good reliability.

#### Swing check valve contrast

Structure	H76-type wafer double disc swing check valve	H44 Flange Swing Check Valve univalve
Water hammer pressure	Small disc a short trip, and a spring assisted closure, close the valve fast	Large valve travel, and require a longer closing time
	H76 Type H44-type water hammer pressure is only 1/2 to 1/5	
Dimensions & Weight	Very short structural length, low volume and light mass gives a vast convenients for installation, portorage, storage and pipeline arrangement of valves, moreover, it can greatly reduce materials and cut construction cost.	A long length of the structure, volume stupid big, heavy weight
	H76 H44-type length of the structure type is only 1/4 ~ 1/6, H76 Type H44 Type weighs only 1/4 to 1/10	
Fluid resistance	Small, fluid resistance coefficient $\xi$ of 2.6 to 0.7, with the valve diameter increases, the fluid resistance coefficient decreases	low flow resistance coefficient $\xi$ is 1.3~3, but under the condition of low pressure, the valve disc can not be completely opened, high fluid resistance. The resistance will be increased as the augmentation of valve size.
Installation	Can be installed in horizontal or vertical installation, light weight, do not have to set the bearings for the valve	Can be installed in horizontal or vertical installation, the weight of heavy large diameter valves, bearings needs to be set
Opening pressure	Small valve under pressure in a small can fully open	Larger in larger valve can be fully opened under pressure
Reliability	The valve body is of integrated structure, simple and compact, small closedown impact, low water hammer pressure, long service life and good reliability	The valve is closed and the huge impact of water hammer pressure is easy to damage the valve



H76-type wafer double disc swing check valve



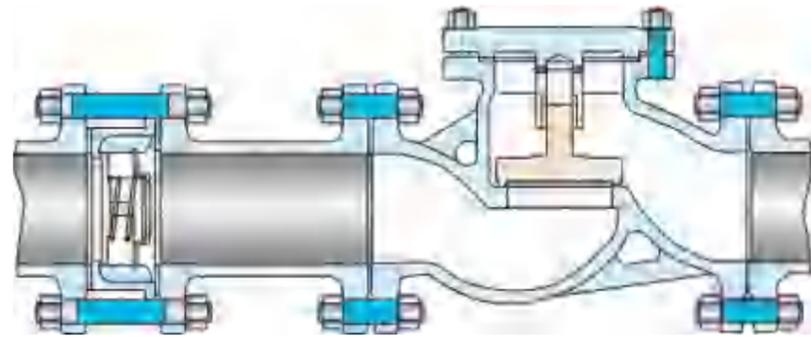
H44 ill with Swing Check Valve Flange

WAFER TYPE CHECK VALVE OVERVIEW

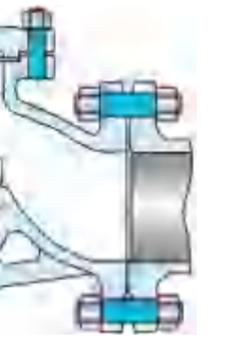
对夹式止回阀概述

升降式止回阀对比

结构形式	H71型对夹升降式止回阀	H41型法兰升降式止回阀
水锤压力	很小, 阀瓣行程短、阀瓣轻巧、且有弹簧辅助关闭、关闭速度快	小, 阀瓣行程短, 但无弹簧辅助关闭
尺寸和重量	结构长度很短、体积小、重量很轻, 为阀门的安装、搬运、存放及管道的布置带来很大的便利, 并能大量节约材料、降低造价 H71型的结构长度只有H41型的1/4~1/8, H71型的重量只有H41型的1/7~1/20	结构长度很长, 体积较大, 重量很重
流体阻力	较大, 流体阻力系数 $\xi$ 为6.4~2.8	很大, 流体阻力系数 $\xi$ 为12~6
安装	可水平安装或垂直安装, 重量很轻, 安装容易	只有水平安装, 口径较大的阀门重量重, 较难安装
开启压力	很小, 阀瓣在很小的压差下就能完全打开	较小, 阀瓣重量较大, 需要一定的压差才能将阀瓣完全打开
可靠性	阀体为整体结构, 简单紧凑、阀门关闭时冲击力小, 水锤压力很小, 阀门寿命长, 可靠性高	可靠性较高, 但阀门由阀体与阀盖两体构成, 多了一个潜在的泄漏点

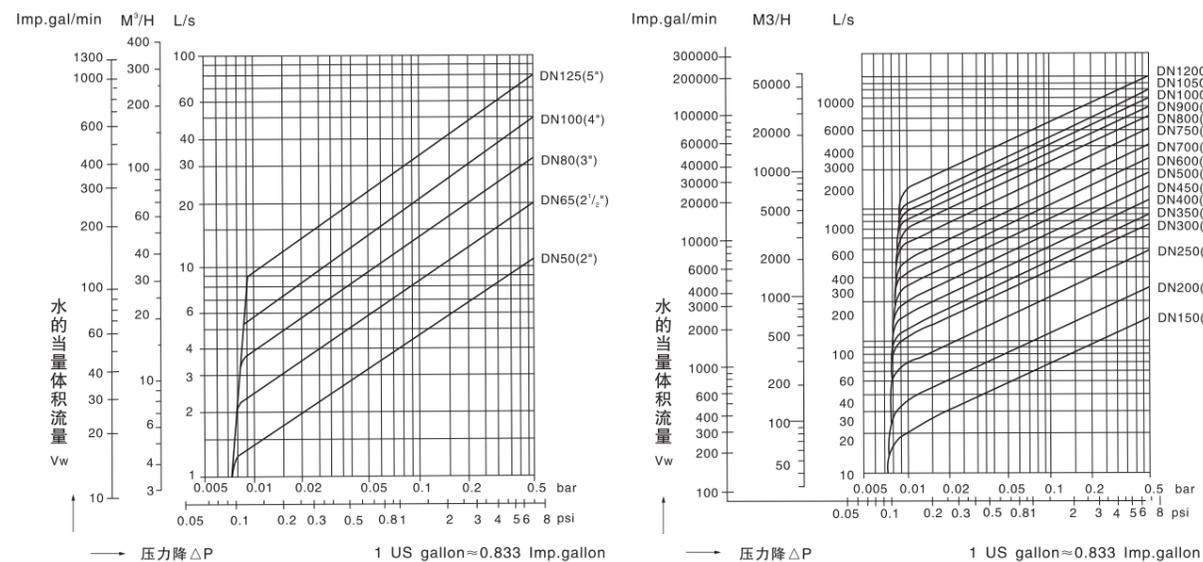


H71型对夹升降式止回阀



H41型法兰升降式止回阀

流体力学性能/H76型对夹双瓣旋启式止回阀的体积流量与压力降关系

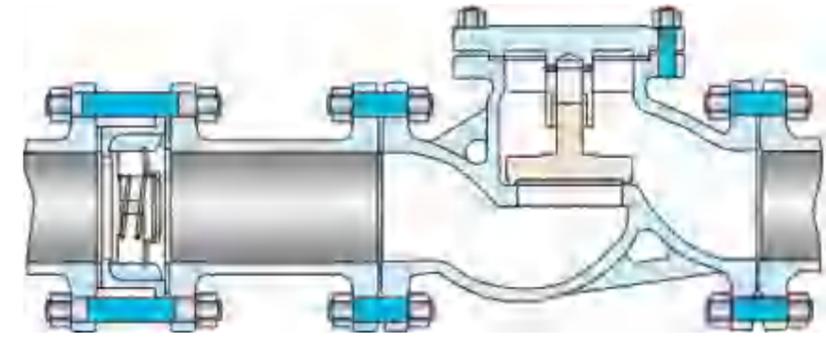


WAFER TYPE CHECK VALVE OVERVIEW

对夹式止回阀概述

Elevating check valve contrast

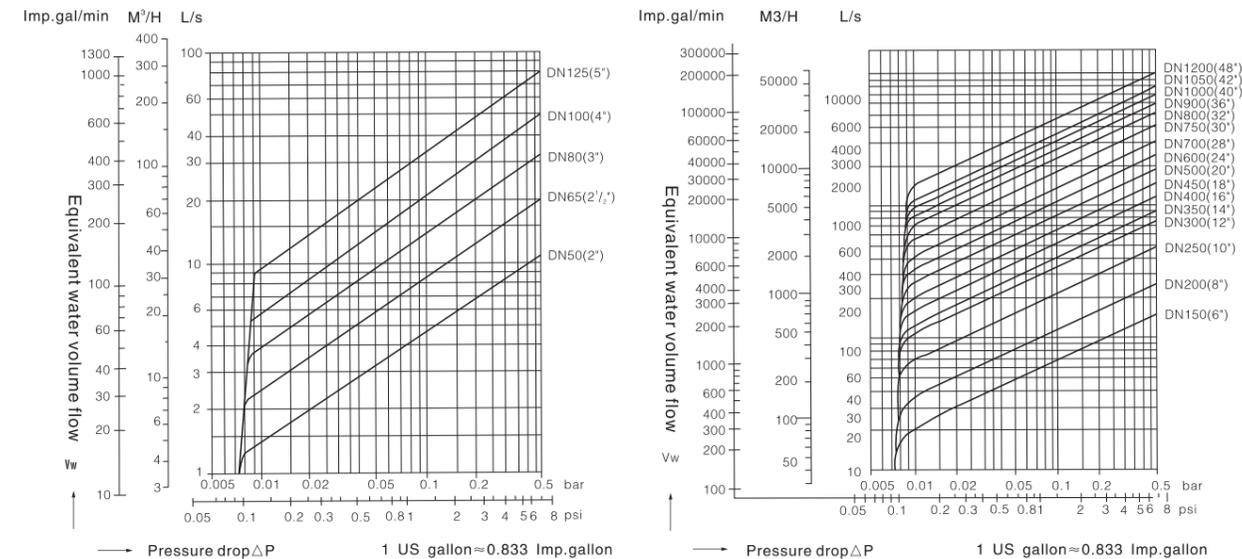
Structure	H71-type wafer lift check valve	H41 type flange lift check valve
Water hammer pressure	Small valve stroke is short, compact disc, and a spring assisted closure, off valve fast	Small disc a short trip, but no spring assisted closure
Dimensions & Weight	Very short structural length, low volume and light mass gives a vast convenients for installation, portorage, storage and pipeline arrangement of valves, moreover, it can greatly reduce materials and cut construction cost. Only the length of the structure type H71 H41 type 1/4 ~ 1/8, H71 Type H41 Type weighs only 1/7~1/20	Length of the structure is very long, bulky, heavy weight
Fluid resistance	Large, fluid resistance coefficient $\xi$ is 6.4 ~ 2.8	Large, fluid resistance coefficient $\xi$ is 12 ~ 6
Installation	Can be installed in horizontal or vertical installation, lightweight, easy to install	Only horizontal installation, the larger the valve diameter heavy weight, difficult installation
Opening pressure	Small valve under pressure in a small can fully open	Small, the weight of the larger valve, requires a certain pressure to fully open the valve flap
Reliability	The valve body is of integrated structure, simple and compact, small closedown impact, low water hammer pressure, long service life and good reliability	High reliability, but the valve body and valve cover from the two-body composition, more than a potential the leak



H71-type wafer lift check valve

H41 type Flange lift check valve

Hydromechanics performance /H76 to clamps the double petal to turn on lathe opens The type check valve the rate of volume flow and the pressure drop relations



WAFER TYPE CHECK VALVE OVERVIEW

对夹式止回阀概述

流体力学性能/对夹双瓣旋启式止回阀的流体阻力系数

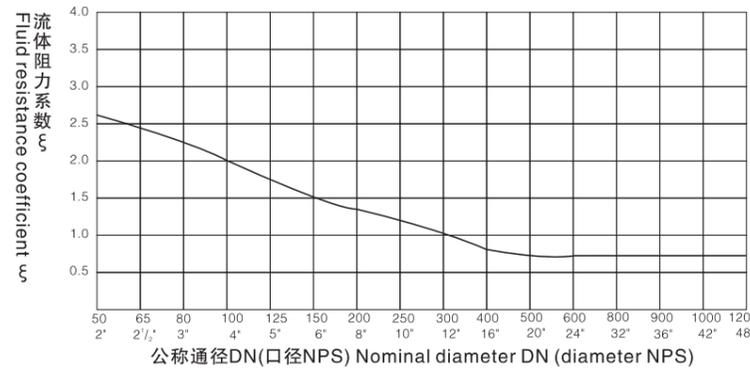
The hydromechanics performance/to clamps the double petal to turn on lathe opens the type check valve the fluid resistance coefficient

水的当量体积流量Vw与实际流体的体积流量V按下式换算：

$$V_w \text{ volume flow of water equivalent volume of fluid flow and the actual press-type conversion } V: V_w = \sqrt{\frac{\rho}{1000}} \cdot V$$

式中：Vw-水的当量体积流量，l/s； ρ-流体密度，kg/m³； V-实际流体的体积流量，l/s。

Where: Vw – equivalent volume rate of flow, l/s; ρ – fluid density, kg/m3; V – Actual volume rate of flow, l/s.



流体力学性能/对夹双瓣旋启式止回阀流体阻力系数、流量系数及开启压力

The hydromechanics performance/to clamps the double petal to turn on lathe opens the type check valve fluid resistance coefficient, the discharge coefficient and the opening pressure

公称口径 Norminal diameter		阀门全开启时的流体阻力系数 ξ When the valve is fully open fluid resistance coefficient ξ	常温下阀门开启时的水流量系数 Room temperature, water flow when the valve opening coefficient			流体的流向 Fluid flow	
DN	NPS		Kv(m3/h)	Cv(U.S)	Cv(U.K)	↑	→
50	2	2.6	63	74	62	2	1
65	2 1/2	2.4	109	128	107	2	1
80	3	2.3	172	201	169	2	1
100	4	2.0	289	338	283	2	1
125	5	1.8	476	557	466	2	1
150	6	1.5	750	878	735	2	1
200	8	1.3	1432	1675	1403	2	1
250	10	1.2	2330	2726	2283	2	1
300	12	1.0	3676	4301	3602	2	1
350	14	0.9	5274	6171	5169	2	1
400	16	0.8	7306	8548	7160	3	1
450	18	0.8	9246	10818	9061	3	1
500	20	0.8	11415	13356	11187	3	1
600	24	0.7	17573	20560	17222	3	1
700	28	0.7	23919	27985	23441	4	1
750	30	0.7	27458	32126	26909	4	1
800	32	0.7	31241	36552	30616	4	1
900	36	0.7	39539	46261	38748	4	1
1000	40	0.7	48814	57112	47838	4	1
1050	42	0.7	53817	62966	52741	4	1
1200	48	0.7	70292	82242	68886	4	1

WAFER TYPE CHECK VALVE OVERVIEW

对夹式止回阀概述

流体力学性能/对夹单瓣升降式止回阀的体积流量与压力降关系

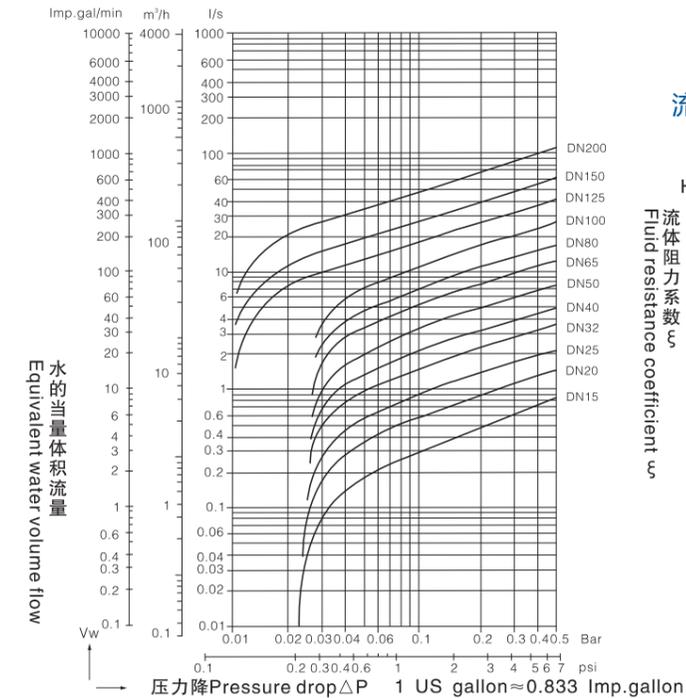
The hydromechanics performance/to clamps the single-lobe elevating check valve the rate of volume flow and the pressure drop relations

水的当量体积流量Vw与实际流体的体积流量V按下式换算：

$$V_w \text{ volume flow of water equivalent volume of fluid flow and the actual press-type conversion } V: V_w = \sqrt{\frac{\rho}{1000}} \cdot V$$

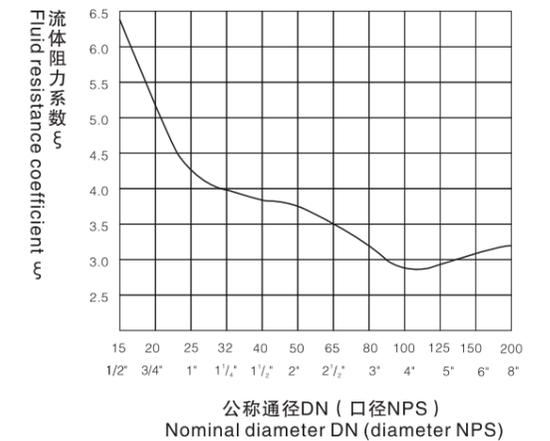
式中：Vw-水的当量体积流量，l/s； ρ-流体密度，kg/m³； V-实际流体的体积流量，l/s。

Where: Vw – equivalent volume rate of flow, l/s; ρ – fluid density, kg/m3; V – Actual volume rate of flow, l/s.



流体力学性能 Hydromechanics performance

H71型对夹升降式止回阀流体阻力系数  
H71-type wafer lift check valve flow resistance coefficient



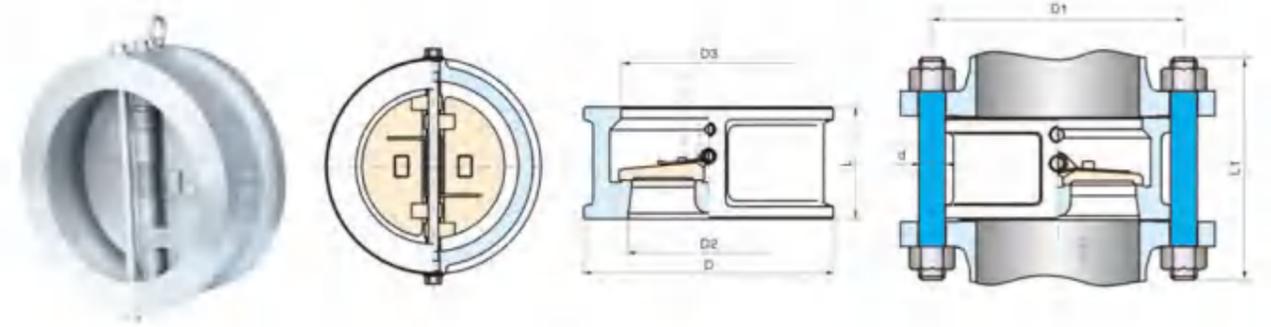
流体力学性能/对夹单瓣升降式止回阀流体阻力系数、流量系数及开启压力

The hydromechanics performance/to clamps the single-lobe elevating check valve fluid resistance coefficient, the discharge coefficient and the opening pressure

公称口径 Norminal diameter		阀门全开启时的流体阻力系数 ξ When the valve is fully open fluid resistance coefficient ξ	常温下阀门开启时的水流量系数 Room temperature, water flow when the valve opening coefficient			流体的流向 Fluid flow		
DN	NPS		Kv(m3/h)	Cv(U.S)	Cv(U.K)	↑	↓	→
15	1/2	6.4	2.6	3.0	2.5	3	2	2.5
20	3/4	5.1	6.4	7.5	6.3	3	2	2.5
25	1	4.1	12.6	14.8	12.3	3	2	2.5
32	1 1/4	4.1	19.7	23.1	19.3	3	2	2.5
40	1 1/2	3.8	29.5	34.5	28.9	3	2	2.5
50	2	3.5	54.6	63.9	53.5	3	2	2.5
65	2 1/2	3.5	85.4	99.9	83.7	3	2	2.5
80	3	3.2	128	150	125	3	2	2.5
100	4	2.8	244	286	249	3	2	2.5
125	5	2.9	375	439	368	3	1	2.2
150	6	3.1	522	611	512	3	1	2.2
200	8	3.2	915	1070	897	3	1	2.2

WAFER TYPE DOUBLE DISC SWING CHECK VALVE (API)

H76 型外置对夹双瓣旋启式止回阀(美标)



**H76型** 美标系列 / 国标系列  
API Series/GB Series

**H76型对夹双瓣旋启式止回阀**  
Wafer Type Double Disc Swing Check Valve



压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)						
	DN	NPS	L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1		
									in	mm	RF	RTJ		
Class150 PN20	40	1 1/2	60	83	38	45	2	98.5	4	1/2	M14	130	145	
	50	2	60	103	51	58	2.5	120.5	4	5/8	M16	140	155	
	65	2 1/2	67	122	65	73	3	139.5	4	5/8	M16	150	165	
	80	3	73	135	80	88	4	152.5	4	5/8	M16	160	175	
	100	4	73	173	102	108	6	190.5	8	5/8	M16	170	185	
	125	5	86	195	127	132	8	216.0	8	3/4	M20	190	205	
	150	6	98	220	152	160	13	241.5	8	3/4	M20	205	220	
	200	8	127	277	203	210	25	298.5	8	3/4	M20	240	255	
	250	10	146	337	254	266	39	362.0	12	7/8	M24	270	285	
	300	12	181	407	305	310	54	432.0	12	7/8	M24	310	325	
	350	14	184	448	350	355	80	476.0	12	1	M27	325	340	
	400	16	191	512	400	405	117	540.0	16	1	M27	340	355	
Class150 PN20	450	18	203	547	450	455	138	578.0	16	1 1/8	M30	365	380	
	500	20	219	604	500	505	163	635.0	20	1 1/8	M30	385	400	
	600	24	222	715	600	605	331	749.5	20	1 1/4	M33	405	420	
	650	26	222	722	633	650	360	744.5	36	3/4	M20	365	-	
	700	28	305	773	700	700	380	795.5	40	3/4	M20	455	-	
	750	30	305	824	746	750	425	846.0	44	3/4	M20	455	-	
	800	32	305	878	796	800	560	900.0	48	3/4	M20	460	-	
	900	36	368	983	880	893	640	1009.5	44	7/8	M24	540	-	
	1000	40	432	1090	976	985	870	1120.5	44	1	M27	620	-	
	ASME B16.47B.	1050	42	432	1142	1040	1045	960	1171.5	48	1	M27	625	-
	API 605.	1100	44	432	1193	1070	1070	1150	1222	52	1	M27	630	-
	GB 13402	1200	48	524	1302	1166	1200	1400	1335.0	44	1 1/8	M30	740	-
	1350	54	591	1460	1312	1315	2245	1492	56	1 1/8	M30	820	-	
	1400	56	591	1512	1360	1370	2830	1543	60	1 1/8	M30	820	-	
	1500	60	660	1628	1458	1470	3200	1662	52	1 1/4	M33	900	-	

WAFER TYPE DOUBLE DISC SWING CHECK VALVE (API)

H76 型外置对夹双瓣旋启式止回阀(美标)

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)					
	DN	NPS	L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1	
										in	mm	RF	RTJ
Class150 PN20 ASME B16.47A MSS SP-44	1650	66	787	1881	1630	1663	5345	1930.5	52	1 1/4	M45×3	1075	-
	1800	72	851	2046	1780	1818	6100	2095.5	60	1 1/4	M45×3	1145	-
	1950	78	927	2204	1930	1973	8185	2260.5	64	2	M52×3	1250	-
	2100	84	1041	2369	2080	2115	10220	2425.0	64	2	M52×3	1365	-
	650	26	222	770	633	650	380	806.5	24	1 1/4	M33	450	-
	700	28	305	827	700	700	400	863.5	28	1 1/4	M33	535	-
	750	30	305	878	746	750	440	914.5	28	1 1/4	M33	545	-
	800	32	305	935	796	800	580	978	28	1 1/2	M39×3	570	-
	900	36	368	1045	880	893	660	1086	32	1 1/2	M39×3	650	-
	1000	40	432	1158	976	985	890	1200	36	1 1/2	M39×3	710	-
	1050	42	432	1213	1040	1045	980	1257.5	36	1 1/2	M39×3	730	-
	1100	44	432	1274	1070	1070	1170	1314.5	40	1 1/2	M39×3	730	-
	1200	48	524	1380	1166	1200	1450	1422.5	44	1 1/2	M39×3	840	-
	1350	54	591	1545	1312	1315	2300	1594	44	1 3/4	M45×3	950	-
	1400	56	591	1602	1360	1370	2850	1651	48	1 3/4	M45×3	955	-
1500	60	660	1710	1458	1470	3225	1759	52	1 3/4	M45×3	1040	-	
Class 300 PN50	50	2	60	110	51	58	3	127.0	8	5/8	M16	155	175
	65	2 1/2	67	128	65	73	4	149.0	8	3/4	M20	175	195
	80	3	73	147	80	88	6	168.5	8	3/4	M20	190	210
	100	4	73	179	102	108	8	200.0	8	3/4	M20	195	215
	125	5	86	214	127	132	15	235.0	8	3/4	M20	215	235
	150	6	98	249	152	160	18	270.0	12	3/4	M20	230	250
	200	8	127	305	203	210	31	330.0	12	7/8	M24	280	300
	250	10	146	359	254	266	51	387.5	16	1	M27	315	335
	300	12	181	420	305	310	77	451.0	16	1 1/8	M30	365	385
	350	14	222	483	350	355	117	514.5	20	1 1/8	M30	410	430
	400	16	232	537	400	405	190	571.5	20	1 1/4	M33	435	455
	450	18	264	594	450	455	200	628.5	24	1 1/4	M33	475	495
	500	20	292	652	500	505	265	686.0	24	1 1/4	M33	510	535
	600	24	318	772	600	608	410	813.0	24	1 1/2	M39×3	560	585
	Class 300 PN50 ASME B16.47B、 API 605、 GB/T 13402	650	26	356	767	633	640	565	803	32	1 1/4	M33	625
700		28	368	821	685	685	585	857	36	1 1/4	M33	635	-
750		30	368	882	735	740	660	921.0	36	1 3/8	M36×3	650	-
800		32	368	936	784	784	970	978	32	1 1/2	M39×3	675	-
900		36	483	1044	873	880	1020	1089.0	32	1 5/8	M42×3	800	-
1000		40	546	1146	976	985	1420	1191	40	1 5/8	M42×3	885	-
1050		42	568	1196	1020	1020	1540	1244.5	36	1 3/4	M45×3	920	-
1200		48	629	1365	1166	1190	2260	1416.0	40	1 7/8	M48×3	1010	-
1350		54	718	1526	1312	1315	3102	1578	48	1 7/8	M48×3	1140	-
1500		60	838	1704	1458	1470	4315	1764	40	2 1/4	M56×3	1280	-

WAFER TYPE DOUBLE DISC SWING CHECK VALVE (API)

H76 型外置对夹双瓣旋启式止回阀(美标)

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)						
	DN	NPS	L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1		
										in	mm	RF	RTJ	
Class 300 PN50 ASME B16.47A、 MSS SP-44	650	26	356	831	633	640	580	876	28	1 5/8	M42×3	625	-	
	700	28	368	895	685	685	600	940	28	1 5/8	M42×3	650	-	
	750	30	368	949	735	740	680	997	28	1 3/4	M45×3	665	-	
	800	32	368	1003	784	784	990	1054	28	1 7/8	M48×3	685	-	
	900	36	483	1113	873	880	1050	1168.5	32	2	M52×3	820	-	
	1000	40	546	1110	976	985	1400	1156	32	1 5/8	M42×3	885	-	
	1050	42	568	1161	1020	1020	1520	1206.5	32	1 5/8	M42×3	915	-	
	1200	48	629	1320	1166	1190	2250	1371.5	32	1 7/8	M48×3	1015	-	
	1350	54	718	1489	1312	1315	3080	1549.5	28	2 1/4	M56×3	1160	-	
	1500	60	838	1642	1458	1470	4300	1702	32	2 1/4	M56×3	1305	-	
	Class 600 PN110	50	2	60	110	51	58	4	127.0	8	5/8	M16	175	180
		65	2 1/2	67	128	65	73	5	149.0	8	3/4	M20	195	200
		80	3	73	147	80	88	8	168.5	8	3/4	M20	210	215
		100	4	79	191	102	108	11	216.0	8	7/8	M24	235	240
		125	5	105	239	127	136	20	267.0	8	1	M27	280	285
150		6	136	264	152	162	26	292.0	12	1	M27	320	325	
200		8	165	318	200	212	55	349.0	12	1 1/8	M30	370	375	
250		10	213	398	250	266	95	432.0	16	1 1/4	M33	440	445	
300		12	229	455	305	312	140	489.0	20	1 1/4	M33	460	465	
350		14	273	490	337	355	223	527.0	20	1 3/8	M36×3	520	525	
400		16	305	562	387	400	360	603.0	20	1 1/2	M39×3	575	580	
450		18	362	610	438	450	395	654.0	20	1 5/8	M42×3	650	655	
500		20	368	680	489	500	518	724.0	24	1 5/8	M42×3	670	680	
600		24	438	786	591	600	836	838.0	24	1 7/8	M48×3	780	795	
Class 600 PN110 ASME B16.47B、 API 605、 GB/T 13402		650	26	457	761	633	640	950	806.5	28	1 5/8	M42×3	790	805
	700	28	483	815	684	690	1215	863.5	28	1 3/4	M45×3	830	845	
	750	30	505	875	735	740	1378	927	28	1 7/8	M48×3	875	890	
	800	32	533	928	779	784	1643	984	28	2	M52×3	920	940	
	900	36	635	1045	874	880	2120	1105	28	2 1/4	M56×3	1065	1085	
Class 600 PN110 ASME B16.47A、 MSS SP-44	650	26	457	863	633	640	980	914.5	28	1 7/8	M48×3	795	810	
	700	28	483	910	684	690	1250	965	28	2	M52×3	835	850	
	750	30	505	967	735	740	1420	1022.5	28	2	M52×3	860	905	
	800	32	533	1020	779	784	1700	1079.5	28	2 1/4	M56×3	905	925	
	900	36	635	1126	850	850	2200	1194	28	2 1/4	M64×3	1035	1055	
	1000	40	660	1153	976	985	2650	1213	32	2 1/4	M56×3	1115	-	
	1050	42	702	1215	1020	1030	3135	1283	28	2 1/2	M64×3	1190	-	
1200	48	787	1386	1166	1170	3755	1460.5	32	2 3/4	M70×3	1330	-		
Class 900 PN150	50	2	70	140	51	58	8	165.0	8	7/8	M24	225	230	
	65	2 1/2	83	162	65	73	11	190.5	8	1	M27	250	255	
	80	3	83	165	80	90	14	190.5	8	7/8	M24	240	245	
	100	4	102	204	102	108	20	235.0	8	1 1/8	M30	285	290	

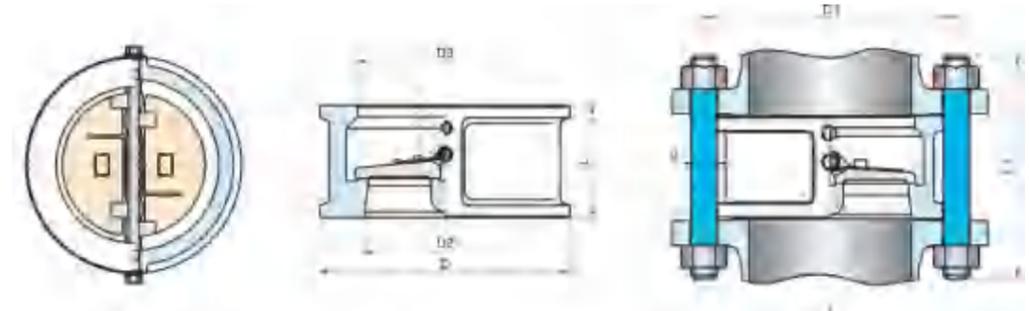
WAFER TYPE DOUBLE DISC SWING CHECK VALVE (API)

H76 型外置对夹双瓣旋启式止回阀(美标)

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)					
	DN	NPS	L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1	
										in	mm	RF	RTJ
Class 900 PN150	125	5	110	245	127	136	30	279.5	8	1 1/4	M33	310	315
	150	6	159	286	150	162	42	317.5	12	1 1/8	M30	365	370
	200	8	206	356	200	212	84	393.5	12	1 3/8	M36 x 3	440	445
	250	10	241	432	250	266	145	470.0	16	1 3/8	M36 x 3	490	495
	300	12	292	495	305	312	220	533.5	20	1 3/8	M36 x 3	560	565
	350	14	356	518	337	355	350	559.0	20	1 1/2	M39 x 3	645	655
	400	16	384	572	387	400	470	616.0	20	1 5/8	M42 x 3	685	695
	450	18	451	635	438	450	605	686.0	20	1 7/8	M48 x 3	790	805
	500	20	451	695	487	496	820	749.5	20	2	M52 x 3	810	825
Class 900 PN150	600	24	495	835	591	600	1050	901.5	20	2 1/2	M64 x 3	945	965
	650	26	533	835	617	630	1182	901.5	20	2 1/2	M64 x 3	955	1050
	700	28	572	898	665	680	1441	971.5	20	2 3/4	M70 x 3	1030	1145
ASME B16.47B, API 605, GB/T 13402	750	30	635	955	712	735	1578	1035	20	3	M76 x 3	1125	1180
	800	32	660	1012	760	784	2030	1092	20	3	M76 x 3	1160	1260
	900	36	718	1120	855	865	2607	1200	24	3	M76 x 3	1240	995
Class 900 PN150	650	26	533	879	617	630	1200	952.5	20	2 3/4	M70 x 3	975	1055
	700	28	572	943	665	680	1460	1022.5	20	3	M76 x 3	1035	1055
	750	30	635	1006	712	735	1600	1086	20	3	M76 x 3	1110	1130
	800	32	660	1070	760	784	2050	1155.5	20	3 1/4	M82 x 3	1165	1185
	900	36	718	1195	855	865	2607	1289	20	3 1/2	M90 x 3	1265	1285
	1000	40	762	1246	950	965	2930	1340	24	3 1/2	M90 x 3	1360	-
ASME B16.47A, MSS SP-44	1050	42	787	1296	995	1015	3310	1390.5	24	3 1/2	M90 x 3	1400	-
	1200	48	851	1483	1140	1160	4415	1587.5	24	4	M100 x 3	1545	-
	50	2	70	140	51	58	8	165.0	8	7/8	M24	225	230
	65	2 1/2	83	162	65	73	11	190.5	8	1	M27	250	255
	80	3	83	172	80	90	19	203.0	8	1 1/8	M30	270	275
	100	4	102	207	102	108	26	241.5	8	1 1/4	M33	310	315
	125	5	110	252	127	136	51	292.0	8	1 1/2	M39 x 3	370	375
	150	6	159	280	150	162	68	317.5	12	1 3/8	M36 x 3	430	440
	200	8	206	350	200	212	130	393.5	12	1 5/8	M42 x 3	510	520
	250	10	248	433	250	266	210	482.5	12	1 7/8	M48 x 3	600	610
Class 1500 PN260	300	12	305	518	305	312	384	571.5	16	2	M52 x 3	690	715
	350	14	356	576	337	355	550	635.0	16	2 1/4	M56 x 3	775	800
	400	16	384	639	387	400	635	705.0	16	2 1/2	M64 x 3	850	880
	450	18	468	701	430	438	790	774.5	16	2 3/4	M70 x 3	955	985
	500	20	533	753	478	487	1275	832	16	3	M76 x 3	1065	1095
	600	24	559	897	570	578	2710	990.5	16	3 1/2	M90 x 3	1170	1205
	50	2	70	143	51	58	10	171.5	8	1	M27	255	260
	65	2 1/2	83	166	65	73	18	197.0	8	1 1/8	M30	290	305
	80	3	86	194	80	90	26	228.5	8	1 1/4	M33	320	330
	100	4	105	232	102	108	40	273.0	8	1 1/2	M39 x 3	370	380
Class 2500 PN420	125	5	110	277	127	136	59	324.0	8	1 3/4	M45 x 3	420	435
	150	6	159	315	150	162	90	368.5	8	2	M52 x 3	515	530
	200	8	206	385	220	212	150	438.0	12	2	M52 x 3	600	620
	250	10	254	474	250	262	240	539.5	12	2 1/2	M64 x 3	750	775
	300	12	305	547	305	312	440	619.0	12	2 3/4	M70 x 3	855	885

WAFER TYPE DOUBLE DISC SWING CHECK VALVE (GB)

H76 型外置对夹双瓣旋启式止回阀(国标)



公称压力 Nominal pressure	公称尺寸 Nominal size	尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)			
		L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter	螺栓长度L1 Bolt length
PN10	50	60	108	51	58	2	125	4	M16	150
	65	67	128	65	73	3	145	4	M16	155
	80	73	142	80	88	4	160	8	M16	160
	100	73	162	102	108	6	180	8	M16	165
	125	86	192	127	132	8	210	8	M16	180
	150	98	218	152	160	13	240	8	M20	205
	200	127	273	203	210	24	295	8	M20	235
	250	146	328	254	266	37	350	12	M20	255
	300	181	378	305	310	50	400	12	M20	290
	350	184	438	350	355	76	460	16	M20	295
	400	191	489	400	405	110	515	16	M24	310
	450	203	539	450	455	135	565	20	M24	325
	500	219	594	500	505	158	620	20	M24	345
	600	222	696	600	605	320	725	20	M27	355
	700	305	811	700	700	380	840	24	M27	440
	800	305	918	796	800	560	950	24	M30	450
	900	368	1018	880	893	640	1050	28	M30	520
	1000	432	1124	976	985	900	1160	28	M33	590
	1200	524	1340	1166	1200	1400	1380	32	M36	695
	PN16	50	60	108	51	58	2	125	4	M16
65		67	128	65	73	3	145	4	M16	155
80		73	142	80	88	4	160	8	M16	160
100		73	162	102	108	6	180	8	M16	165
125		86	192	127	132	8	210	8	M16	180
150		98	218	152	160	13	240	8	M20	205
200		127	273	203	210	24	295	12	M20	235
250		146	329	254	266	37	355	12	M24	265
300		181	384	305	310	50	410	12	M24	305
350		184	444	350	355	76	470	16	M24	310
400		191	496	400	405	110	525	16	M27	330
450		203	556	450	455	135	585	20	M27	345
500		219	618	500	505	158	650	20	M30	370
600		222	732	600	605	320	770	20	M33	380
700		305	802	700	700	380	840	24	M33	470
800		305	912	796	800	560	950	24	M36	475
900		368	1012	880	893	640	1050	28	M36	545
1000		432	1126	976	985	900	1170	28	M39	620
1200		524	1340	1166	1200	1400	1390	32	M45	735

WAFER TYPE DOUBLE DISC SWING CHECK VALVE (GB)

H76 型外置对夹双瓣旋启式止回阀(国标)

公称压力 Nominal pressrue	公称尺寸 Nominal size	尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)			
		L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d	螺栓长度L1 Bolt length L1
PN25	50	60	108	51	58	2	125	4	M16	150
	65	67	128	65	73	3	145	8	M16	160
	80	73	142	80	88	4	160	8	M16	170
	100	73	168	102	108	6	190	8	M20	180
	125	86	194	127	132	8	220	8	M24	205
	150	98	224	152	160	14	250	8	M24	220
	200	127	284	203	210	27	310	12	M24	255
	250	146	341	254	266	42	370	12	M27	285
	300	181	401	305	310	54	430	16	M27	325
	350	184	458	350	355	86	490	16	M30	340
	400	191	515	400	405	120	550	16	M33	360
	450	203	565	450	455	148	600	20	M33	375
	500	219	622	500	505	165	660	20	M33	395
	600	222	732	600	605	340	770	20	M36	410
	700	305	831	700	700	400	875	24	M39	500
	800	305	942	796	800	580	990	24	M45	520
900	368	1040	880	893	660	1090	28	M45	590	
1000	432	1155	976	985	960	1210	28	M52	675	
1200	524	1365	1166	1200	1440	1420	32	M52	790	

公称压力 Nominal pressrue	公称尺寸 Nominal size	尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)				
		L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d	RF、MF	RTJ
PN40	50	60	108	51	58	3	125	4	M16	150	-
	65	67	128	65	73	4	145	8	M16	160	-
	80	73	142	80	88	6	160	8	M16	170	-
	100	73	168	102	108	8	190	8	M20	180	-
	125	86	194	127	132	13	220	8	M24	205	-
	150	98	224	152	160	16	250	8	M24	220	-
	200	127	291	203	210	28	320	12	M27	270	-
	250	146	353	254	266	49	385	12	M30	300	-
	300	181	418	305	310	76	450	16	M30	345	-
	350	222	475	350	355	114	510	16	M33	400	-
	400	232	547	400	405	190	585	16	M36	425	-
	450	264	572	450	455	200	610	20	M36	470	-
500	292	626	500	505	260	670	20	M39	505	-	
600	318	745	600	608	404	795	20	M45	575	-	
PN63	50	60	114	51	58	4	135	4	M20	170	185
	65	67	138	65	73	5	160	8	M20	180	195
	80	73	148	80	88	7	170	8	M20	190	205
	100	79	174	102	108	10	200	8	M24	210	225
	125	105	211	127	136	16	240	8	M27	250	265
	150	136	248	152	162	20	280	8	M30	290	305
	200	165	310	200	212	38	345	12	M33	335	350
	250	213	362	250	266	62	400	12	M33	395	410
	300	229	422	305	310	100	460	16	M33	420	435
	350	273	487	337	355	160	525	16	M36	480	495
400	305	541	387	400	260	585	16	M39	525	540	

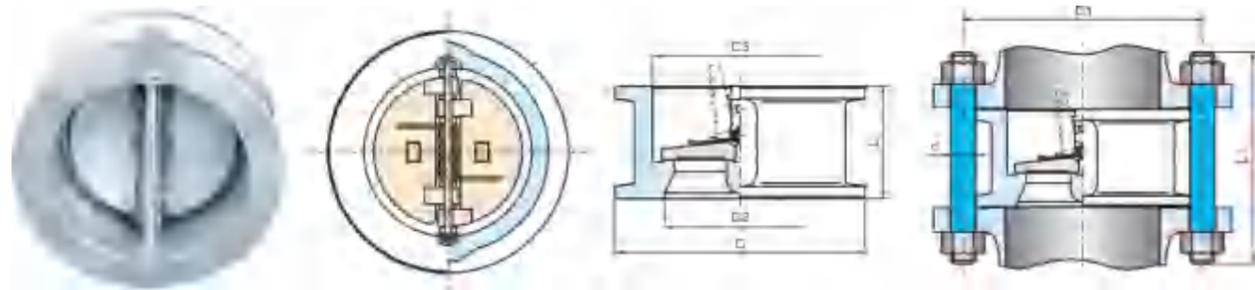
WAFER TYPE DOUBLE DISC SWING CHECK VALVE (GB)

H76 型外置对夹双瓣旋启式止回阀(国标)

公称压力 Nominal pressrue	公称尺寸 Nominal size	尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)				
		L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d	RF、MF	RTJ
PN100	50	60	120	51	58	5	145	4	M24	185	200
	65	67	144	65	73	7	170	8	M24	195	210
	80	73	154	80	88	10	180	8	M24	205	220
	100	79	181	102	108	12	210	8	M27	225	240
	125	105	218	127	136	19	250	8	M30	265	280
	150	136	258	152	162	25	290	12	M30	305	320
	200	165	324	200	212	56	360	12	M33	355	370
	250	213	392	250	266	94	430	12	M36	425	440
	300	229	456	305	312	142	500	16	M39	465	480
	350	273	510	337	355	230	560	16	M45	535	550
	400	305	570	387	400	366	620	16	M45	585	600
	PN160 JB/T74~90	50	70	142	51	58	8	165	8	M22	205
65		83	162	65	73	11	190	8	M27	245	260
80		83	176	80	90	16	205	8	M27	250	265
100		102	208	102	108	19	240	8	M30	280	295
125		110	247	127	136	33	285	8	M36	335	350
150		159	280	150	162	40	318	12	M36	385	405
200		206	356	203	212	84	400	12	M42	470	490
250		241	435	250	266	146	485	12	M48	535	555
300		292	520	305	312	230	570	16	M48	610	640
PN160 GB/T9113、 HG20592~20614		50	70	120	51	58	7	145	4	M24	210
	65	83	144	65	73	10	170	8	M24	235	250
	80	83	154	80	90	14	180	8	M24	245	260
	100	102	181	102	108	17	210	8	M27	280	295
	125	110	218	127	136	28	250	8	M30	305	320
	150	159	258	152	162	36	290	12	M30	365	385
	200	206	325	203	212	78	360	12	M33	425	445
	250	241	389	254	266	130	430	12	M39	495	515
PN200 Hg20592	300	292	459	305	312	210	500	16	M39	570	600
	50	70	136	51	58	8	160	8	M22	215	230
	65	83	174	65	73	16	203	8	M27	255	270
	80	83	198	80	90	22	230	8	M30	270	285
	100	102	254	102	108	35	292	8	M36	330	345
	125	110	280	127	136	50	318	12	M36	355	375
	150	159	316	152	162	78	360	12	M42	430	450
	200	206	390	203	212	120	440	12	M48	510	530
	250	248	518	254	266	220	572	16	M52	595	625
	PN250 Hg20592	50	70	124	51	58	8	150	8	M24	215
65		83	154	65	73	14	180	8	M24	235	250
80		83	171	80	90	20	200	8	M27	250	265
100		102	203	102	108	28	235	8	M30	290	305
125		110	243	127	136	44	275	12	M30	310	325
150		159	285	152	162	70	320	12	M33	385	405
200		206	359	203	212	110	400	12	M39	470	490
250		248	443	254	266	200	490	16	M45	560	580
300		305	540	305	312	350	590	16	M48	665	695

WAFER RETAINERLESS TYPE DOUBLE DISC SWING CHECK VALVE (API)

H76 型内置双瓣对夹旋启式止回阀(美标)



压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)						
	DN	NPS	L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1		
									in	mm	RF	RTJ		
Class150 PN20	50	2	60	103	51	61	2.5	120.5	4	5/8	M16	140	155	
	65	2 1/2	67	122	65	75	3	139.5	4	5/8	M16	150	165	
	80	3	73	135	80	92	4	152.5	4	5/8	M16	160	175	
	100	4	73	173	102	114	6	190.5	8	5/8	M16	170	185	
	125	5	86	195	127	140	8	216.0	8	3/4	M20	190	205	
	150	6	98	220	152	166	13	241.5	8	3/4	M20	205	220	
	200	8	127	277	203	210	25	298.5	8	3/4	M20	240	255	
	250	10	146	337	254	266	39	362.0	12	7/8	M24	270	285	
	300	12	181	407	305	310	54	432.0	12	7/8	M24	310	325	
	350	14	184	448	350	355	80	476.0	12	1	M27	325	340	
	400	16	191	512	400	405	117	540.0	16	1	M27	340	355	
	450	18	203	547	450	455	138	578.0	16	1 1/8	M30	365	380	
	500	20	219	604	500	505	163	635.0	20	1 1/8	M30	385	400	
	600	24	222	715	600	605	331	749.5	20	1 1/4	M33	405	420	
	Class150 PN20	650	26	222	722	633	650	360	744.5	36	3/4	M20	365	-
700		28	305	773	700	700	380	795.5	40	3/4	M20	455	-	
750		30	305	824	746	750	425	846.0	44	3/4	M20	455	-	
800		32	305	878	796	800	560	900.0	48	3/4	M20	460	-	
900		36	368	983	880	893	640	1009.5	44	7/8	M24	540	-	
1000		40	432	1090	976	985	870	1120.5	44	1	M27	620	-	
ASME B16.47B、 API 605、 GB 13402		1050	42	432	1142	1040	1045	960	1171.5	48	1	M27	625	-
		1100	44	432	1193	1070	1070	1150	1222	52	1	M27	630	-
		1200	48	524	1302	1166	1200	1400	1335.0	44	1 1/8	M30	740	-
		1350	54	591	1460	1312	1315	2245	1492	56	1 1/8	M30	820	-
	1400	56	591	1512	1360	1370	2830	1543	60	1 1/8	M30	820	-	
1500	60	660	1628	1458	1470	3200	1662	52	1 1/4	M33	900	-		

WAFER RETAINERLESS TYPE DOUBLE DISC SWING CHECK VALVE (API)

H76 型内置双瓣对夹旋启式止回阀(美标)

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)						
	DN	NPS	L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1		
									in	mm	RF	RTJ		
Class150 PN20	1650	66	787	1881	1630	1663	5345	1930.5	52	1 1/4	M45 × 3	1075	-	
	1800	72	851	2046	1780	1818	6100	2095.5	60	1 1/4	M45 × 3	1145	-	
	1950	78	927	2204	1930	1973	8185	2260.5	64	2	M52 × 3	1250	-	
	2100	84	1041	2369	2080	2115	10220	2425.0	64	2	M52 × 3	1365	-	
	650	26	222	770	633	650	380	806.5	24	1 1/4	M33	450	-	
	700	28	305	827	700	700	400	863.5	28	1 1/4	M33	535	-	
	750	30	305	878	746	750	440	914.5	28	1 1/4	M33	545	-	
	800	32	305	935	796	800	580	978	28	1 1/2	M39 × 3	570	-	
	900	36	368	1045	880	893	660	1086	32	1 1/2	M39 × 3	650	-	
	1000	40	432	1158	976	985	890	1200	36	1 1/2	M39 × 3	710	-	
	1050	42	432	1213	1040	1045	980	1257.5	36	1 1/2	M39 × 3	730	-	
	1100	44	432	1274	1070	1070	1170	1314.5	40	1 1/2	M39 × 3	730	-	
	1200	48	524	1380	1166	1200	1450	1422.5	44	1 1/2	M39 × 3	840	-	
	1350	54	591	1545	1312	1315	2300	1594	44	1 3/4	M45 × 3	950	-	
	1400	56	591	1602	1360	1370	2850	1651	48	1 3/4	M45 × 3	955	-	
1500	60	660	1710	1458	1470	3225	1759	52	1 3/4	M45 × 3	1040	-		
Class 300 PN50	50	2	60	110	51	61	3	127.0	8	5/8	M16	155	175	
	65	2 1/2	67	128	65	75	4	149.0	8	3/4	M20	175	195	
	80	3	73	147	80	92	6	168.5	8	3/4	M20	190	210	
	100	4	73	179	102	114	8	200.0	8	3/4	M20	195	215	
	125	5	86	214	127	140	15	235.0	8	3/4	M20	215	235	
	150	6	98	249	152	166	18	270.0	12	3/4	M20	230	250	
	200	8	127	305	203	210	31	330.0	12	7/8	M24	280	300	
	250	10	146	359	254	266	51	387.5	16	1	M27	315	335	
	300	12	181	420	305	310	77	451.0	16	1 1/8	M30	365	385	
	350	14	222	483	350	355	117	514.5	20	1 1/8	M30	410	430	
	400	16	232	537	400	405	190	571.5	20	1 1/4	M33	435	455	
	450	18	264	594	450	455	200	628.5	24	1 1/4	M33	475	495	
	500	20	292	652	500	505	265	686.0	24	1 1/4	M33	510	535	
	600	24	318	772	600	608	410	813.0	24	1 1/2	M39 × 3	560	585	
	Class 300 PN50	650	26	356	767	633	640	565	803	32	1 1/4	M33	625	-
700		28	368	821	685	685	585	857	36	1 1/4	M33	635	-	
750		30	368	882	735	740	660	921.0	36	1 3/8	M36 × 3	650	-	
800		32	368	936	784	784	970	978	32	1 1/2	M39 × 3	675	-	
900		36	483	1044	873	880	1020	1089.0	32	1 5/8	M42 × 3	800	-	
ASME B16.47B、 API 605、 GB/T 13402		1000	40	546	1146	976	985	1420	1191	40	1 5/8	M42 × 3	885	-
		1050	42	568	1196	1020	1045	1540	1244.5	36	1 3/4	M45 × 3	920	-
		1200	48	629	1365	1166	1190	2260	1416.0	40	1 7/8	M48 × 3	1010	-
		1350	54	718	1526	1312	1315	3102	1578	48	1 7/8	M48 × 3	1140	-
		1500	60	838	1704	1458	1470	4315	1764	40	2 1/4	M56 × 3	1280	-

WAFER RETAINERLESS TYPE DOUBLE DISC SWING CHECK VALVE (API)

H76 型内置双瓣对夹旋启式止回阀(美标)

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)						
	DN	NPS	L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1		
										in	mm	RF	RTJ	
Class 300 PN50 ASME B16.47A, MSS SP-44	650	26	356	831	633	640	580	876	28	1 <sup>5</sup> / <sub>8</sub>	M42×3	625	-	
	700	28	368	895	685	685	600	940	28	1 <sup>5</sup> / <sub>8</sub>	M42×3	650	-	
	750	30	368	949	735	740	680	997	28	1 <sup>3</sup> / <sub>4</sub>	M45×3	665	-	
	800	32	368	1003	784	784	990	1054	28	1 <sup>7</sup> / <sub>8</sub>	M48×3	685	-	
	900	36	483	1113	873	880	1050	1168.5	32	2	M52×3	820	-	
	1000	40	546	1110	976	985	1400	1156	32	1 <sup>5</sup> / <sub>8</sub>	M42×3	885	-	
	1050	42	568	1161	1020	1045	1520	1206.5	32	1 <sup>5</sup> / <sub>8</sub>	M42×3	915	-	
	1200	48	629	1320	1166	1190	2250	1371.5	32	1 <sup>7</sup> / <sub>8</sub>	M48×3	1015	-	
	1350	54	718	1489	1312	1315	3080	1549.5	28	2 <sup>1</sup> / <sub>4</sub>	M56×3	1160	-	
	1500	60	838	1642	1458	1470	4300	1702	32	2 <sup>1</sup> / <sub>4</sub>	M56×3	1305	-	
Class 600 PN110	50	2	60	110	51	61	4	127.0	8	5/8	M16	175	180	
	65	2 <sup>1</sup> / <sub>2</sub>	67	128	65	75	5	149.0	8	3/4	M20	195	200	
	80	3	73	147	80	92	8	168.5	8	3/4	M20	210	215	
	100	4	79	191	102	108	11	216.0	8	7/8	M24	235	240	
	125	5	105	239	127	136	20	267.0	8	1	M27	280	285	
	150	6	136	264	152	162	26	292.0	12	1	M27	320	325	
	200	8	165	318	200	212	55	349.0	12	1 <sup>1</sup> / <sub>8</sub>	M30	370	375	
	250	10	213	398	250	266	95	432.0	16	1 <sup>1</sup> / <sub>4</sub>	M33	440	445	
	300	12	229	455	305	312	140	489.0	20	1 <sup>1</sup> / <sub>4</sub>	M33	460	465	
	350	14	273	490	337	355	223	527.0	20	1 <sup>3</sup> / <sub>8</sub>	M36×3	520	525	
Class 600 PN110 ASME B16.47B, API 605, GB/T 13402	400	16	305	562	387	400	360	603.0	20	1 <sup>1</sup> / <sub>2</sub>	M39×3	575	580	
	450	18	362	610	438	450	395	654.0	20	1 <sup>5</sup> / <sub>8</sub>	M42×3	650	655	
	500	20	368	680	489	500	518	724.0	24	1 <sup>5</sup> / <sub>8</sub>	M42×3	670	680	
	600	24	438	786	591	600	836	838.0	24	1 <sup>7</sup> / <sub>8</sub>	M48×3	780	795	
	650	26	457	761	633	640	950	806.5	28	1 <sup>5</sup> / <sub>8</sub>	M42×3	790	805	
	700	28	483	815	684	690	1215	863.5	28	1 <sup>3</sup> / <sub>4</sub>	M45×3	830	845	
	750	30	505	875	735	740	1378	927	28	1 <sup>7</sup> / <sub>8</sub>	M48×3	875	890	
	800	32	533	928	779	784	1643	984	28	2	M52×3	920	940	
	900	36	635	1045	874	880	2120	1105	28	2 <sup>1</sup> / <sub>4</sub>	M56×3	1065	1085	
	Class 600 PN110 ASME B16.47A, MSS SP-44	650	26	457	863	633	640	980	914.5	28	1 <sup>7</sup> / <sub>8</sub>	M48×3	795	810
700		28	483	910	684	690	1250	965	28	2	M52×3	835	850	
750		30	505	967	735	740	1420	1022.5	28	2	M52×3	860	905	
800		32	533	1020	779	784	1700	1079.5	28	2 <sup>1</sup> / <sub>4</sub>	M56×3	905	925	
900		36	635	1126	874	880	2200	1194	28	2 <sup>1</sup> / <sub>2</sub>	M64×3	1035	1055	
1000		40	660	1153	976	985	2650	1213	32	2 <sup>1</sup> / <sub>4</sub>	M56×3	1115	-	
1050		42	702	1215	1020	1030	3135	1283	28	2 <sup>1</sup> / <sub>2</sub>	M64×3	1190	-	
1200		48	787	1386	1166	1170	3755	1460.5	32	2 <sup>3</sup> / <sub>4</sub>	M70×3	1330	-	
Class 900 PN150		50	2	70	140	51	58	8	165.0	8	7/8	M24	225	230
		65	2 <sup>1</sup> / <sub>2</sub>	83	162	65	73	11	190.5	8	1	M27	250	255
	80	3	83	165	80	90	14	190.5	8	7/8	M24	240	245	
	100	4	102	204	102	108	20	235.0	8	1 <sup>1</sup> / <sub>8</sub>	M30	285	290	

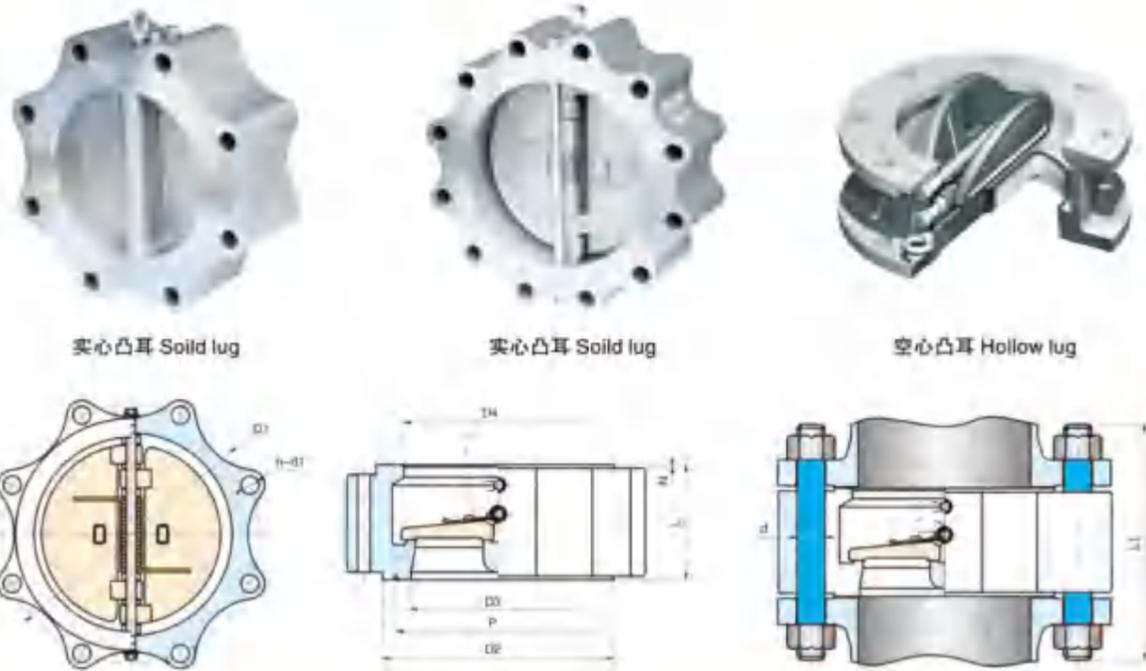
WAFER RETAINERLESS TYPE DOUBLE DISC SWING CHECK VALVE (API)

H76型内置双瓣对夹旋启式止回阀(美标)

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)				重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)					
	DN	NPS	L	D	D2	D3		D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1	
										in	mm	RF	RTJ
Class 900 PN150	125	5	110	245	127	136	30	279.5	8	1 <sup>1</sup> / <sub>4</sub>	M33	310	315
	150	6	159	286	150	162	42	317.5	12	1 <sup>1</sup> / <sub>8</sub>	M30	365	370
	200	8	206	356	200	212	84	393.5	12	1 <sup>3</sup> / <sub>8</sub>	M36×3	440	445
	250	10	241	432	250	266	145	470.0	16	1 <sup>3</sup> / <sub>8</sub>	M36×3	490	495
	300	12	292	495	305	312	220	533.5	20	1 <sup>3</sup> / <sub>8</sub>	M36×3	560	565
	350	14	356	518	337	355	350	559.0	20	1 <sup>1</sup> / <sub>2</sub>	M39×3	645	655
	400	16	384	572	387	400	470	616.0	20	1 <sup>5</sup> / <sub>8</sub>	M42×3	685	695
	450	18	451	635	438	450	605	686.0	20	1 <sup>7</sup> / <sub>8</sub>	M48×3	790	805
	500	20	451	695	487	496	820	749.5	20	2	M52×3	810	825
	600	24	495	835	591	600	1050	901.5	20	2 <sup>1</sup> / <sub>2</sub>	M64×3	945	965
Class 900 PN150 ASME B16.47B, API 605, GB/T 13402	650	26	533	835	617	630	1182	901.5	20	2 <sup>1</sup> / <sub>2</sub>	M64×3	955	1050
	700	28	572	898	665	680	1441	971.5	20	2 <sup>3</sup> / <sub>4</sub>	M70×3	1030	1145
	750	30	635	955	712	735	1578	1035	20	3	M76×3	1125	1180
	800	32	660	1012	760	784	2030	1092	20	3	M76×3	1160	1260
Class 900 PN150 ASME B16.47A, MSS SP-44	900	36	718	1120	855	865	2607	1200	24	3	M76×3	1240	995
	650	26	533	879	617	630	1200	952.5	20	2 <sup>3</sup> / <sub>4</sub>	M70×3	975	1055
	700	28	572	943	665	680	1460	1022.5	20	3	M76×3	1035	1055
	750	30	635	1006	712	735	1600	1086	20	3	M76×3	1110	1130
	800	32	660	1070	760	784	2050	1155.5	20	3 <sup>1</sup> / <sub>4</sub>	M82×3	1165	1185
	900	36	718	1195	855	865	2607	1289	20	3 <sup>1</sup> / <sub>2</sub>	M90×3	1265	1285
	1000	40	762	1246	950	965	2930	1340	24	3 <sup>1</sup> / <sub>2</sub>	M90×3	1360	-
	1050	42	787	1296	995	1015	3310	1390.5	24	3 <sup>1</sup> / <sub>2</sub>	M90×3	1400	-
	1200	48	851	1483	1140	1160	4415	1587.5	24	4	M100×3	1545	-
	Class 1500 PN260	50	2	70	140	51	58	8	165.0	8	7/8	M24	225
65		2 <sup>1</sup> / <sub>2</sub>	83	162	65	73	11	190.5	8	1	M27	250	255
80		3	83	172	80	90	19	203.0	8	1 <sup>1</sup> / <sub>8</sub>	M30	270	275
100		4	102	207	102	108	26	241.5	8	1 <sup>1</sup> / <sub>4</sub>	M33	310	315
125		5	110	252	127	136	51	292.0	8	1 <sup>1</sup> / <sub>2</sub>	M39×3	370	375
150		6	159	280	150	162	68	317.5	12	1 <sup>3</sup> / <sub>8</sub>	M36×3	430	440
200		8	206	350	200	212	130	393.5	12	1 <sup>5</sup> / <sub>8</sub>	M42×3	510	520
250		10	248	433	250	266	210	482.5	12	1 <sup>7</sup> / <sub>8</sub>	M48×3	600	610
300		12	305	518	305	312	384	571.5	16	2	M52×3	690	715
350		14	356	576	337	355	550	635.0	16	2 <sup>1</sup> / <sub>4</sub>	M56×3	775	800
Class 2500 PN420	400	16	384	639	387	400	635	705.0	16	2 <sup>1</sup> / <sub>2</sub>	M64×3	850	880
	450	18	468	701	430	438	790	774.5	16	2 <sup>3</sup> / <sub>4</sub>	M70×3	955	985
	500	20	533	753	478	487	1275	832	16	3	M76×3	1065	1095
	600	24	559	897	570	578	2710	990.5	16	3 <sup>1</sup> / <sub>2</sub>	M90×3	1170	1205
	50	2	70	143	51	58	10	171.5	8	1	M27	255	260
	65	2 <sup>1</sup> / <sub>2</sub>	83	166	65	73	18	197.0	8	1 <sup>1</sup> / <sub>8</sub>	M30	290	305
	80	3	86	194	80	90	26	228.5	8	1 <sup>1</sup> / <sub>4</sub>	M33	320	330
	100	4	105	232	102	108	40	273.0	8	1 <sup>1</sup> / <sub>2</sub>	M39×3	370	380
	125	5	110	277	127	136	59	324.0	8	1 <sup>3</sup> / <sub>4</sub>	M45×3	420	435
	150	6	159	315	150	162	90	368.5	8	2	M52×3	515	530
200	8	206	385	230	212	150	438.0	12	2	M52×3	600	620	
250	10	254	474	250	266	240	539.5	12	2 <sup>1</sup> / <sub>2</sub>	M64×3	750	775	
300	12	305	547	305	312	440	619.0	12	2 <sup>3</sup> / <sub>4</sub>	M70×3	855	885	

CASTING BODY LUG TYPE DOUBLE-DISC SWING CHECK VALVE (API)

(铸件壳体HTL76型)凸耳对夹双瓣旋启式止回阀(美标)



压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)							配管法兰(供参考) Pipe flange (for reference)									
	NPS	DN	L	D1	D2		D3	D4	P	螺栓 数量 Screw Quantity	螺栓直径d1 Screw diameter d1		重量 Weight (Kg)	螺栓 数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1		
					RF	RJ					in	mm			RF	RJ	RF	RJ	
Class 150 PN2.0MPa ASME B16.47B	2	50	60	120.5	92	102	51	58	82.55	4	3/4	19	2	4	4	5/8	M16	140	155
	2 1/2	65	67	139.5	105	121	65	73	101.6	4	3/4	19	2	5.5	4	5/8	M16	150	185
	3	80	73	152.5	127	133	80	88	114.3	4	3/4	19	2	7	4	5/8	M16	160	175
	4	100	73	190.5	157	171	102	108	149.225	8	3/4	19	2	11	8	5/8	M16	170	185
	5	125	86	216	186	194	127	132	171.45	8	7/8	22.5	2	15	8	3/4	M20	190	205
	6	150	98	241.5	216	219	152	160	193.675	8	7/8	22.5	2	19	8	3/4	M20	205	220
	8	200	127	298.5	270	273	203	210	247.65	8	7/8	22.5	2	36	8	3/4	M20	240	255
	10	250	146	362	324	330	254	266	304.801	12	1	25.5	2	61	12	7/8	M24	270	285
	12	300	181	432	381	406	305	310	381.001	12	1	25.5	2	119	12	7/8	M24	310	325
	14	350	184	476	413	425	350	355	396.876	12	1 1/8	28.5	2	131	12	1	M27	325	340
	16	400	191	540	470	483	400	405	454.026	16	1 1/8	28.5	2	180	16	1	M27	340	355
	18	450	203	578	533	546	450	455	517.526	16	1 1/4	32	2	203	16	1 1/8	M30	365	380
	20	500	219	635	584	597	500	505	558.801	20	1 1/4	32	2	275	20	1 1/8	M30	385	400
	24	600	222	749.5	692	711	600	605	673.101	20	1 3/8	35	2	314	20	1 1/4	M33	405	420
	28	700	305	795.5	762	-	700	700	-	40	7/8	22.5	2	910	40	3/4	M20	455	-
	30	750	305	846	813	-	746	750	-	44	7/8	22.5	2	1025	44	3/4	M20	455	-
32	800	305	900	864	-	796	800	-	48	7/8	22.5	2	1344	48	3/4	M20	460	-	
36	900	368	1009.5	972	-	880	893	-	44	1	25.5	2	1536	44	7/8	M24	540	-	
42	1050	432	1171.5	1130	-	1040	1045	-	48	1 1/8	28.5	2	2310	48	1	M27	625	-	
48	1200	524	1335	1299	-	1166	1200	-	44	1 1/4	32	2	3364	44	1 1/8	M30	740	-	

CASTING BODY LUG TYPE DOUBLE-DISC SWING CHECK VALVE (API)

(铸件壳体HTL76型)凸耳对夹双瓣旋启式止回阀(美标)

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)							配管法兰(供参考) Pipe flange (for reference)									
	NPS	DN	L	D1	D2		D3	D4	P	螺栓 数量 Screw Quantity	螺栓直径d1 Screw diameter d1		重量 Weight (Kg)	螺栓 数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1		
					RF	RJ					in	mm			in	mm	RF	RJ	
Class 300 PN5.0MPa ASME B16.47B	2	50	60	127	92	108	51	58	82.55	8	3/4	19	2	6	8	5/8	M16	155	175
	2 1/2	65	67	149	105	127	65	73	101.6	8	7/8	22.5	2	7	8	3/4	M20	175	195
	3	80	73	168.5	127	146	80	88	123.825	8	7/8	22.5	2	10	8	3/4	M20	190	210
	4	100	73	200	157	175	102	108	149.225	8	7/8	22.5	2	16	8	3/4	M20	195	215
	5	125	86	235	186	210	127	132	171.45	8	7/8	22.5	2	29	8	3/4	M20	215	235
	6	150	98	270	216	241	152	160	211.138	12	7/8	22.5	2	32	12	3/4	M20	230	250
	8	200	127	330	270	302	203	210	289.876	12	1	25.5	2	55	12	7/8	M24	280	300
	10	250	146	387.5	324	356	254	266	323.851	16	1 1/8	28.5	2	82	16	1	M27	315	335
	12	300	181	451	381	413	305	310	381.001	16	1 1/4	32	2	92	16	1 1/8	M30	365	385
	14	350	222	514.5	413	457	350	355	419.101	20	1 1/4	32	2	251	20	1 1/8	M30	410	430
	16	400	232	571.5	470	508	400	405	469.901	20	1 3/8	35	2	342	20	1 1/4	M33	435	455
	18	450	264	628.5	533	575	450	455	533.401	24	1 3/8	35	2	391	24	1 1/4	M33	475	495
	20	500	292	688	584	635	500	505	584.201	24	1 3/8	35	2	536	24	1 1/4	M33	510	535
	24	600	318	813	692	749	600	608	692.151	24	1 5/8	41	2	833	24	1 1/2	M39	580	585
	30	750	368	921	845	-	735	740	-	36	1 1/2	38	2	1396	36	1 3/8	M36	650	-
	36	900	483	1089	1010	-	873	880	-	32	1 3/4	44.5	2	1862	32	1 5/8	M42	800	-
42	1050	568	1245	1168	-	1020	1020	-	36	1 7/8	48	2	3861	36	1 3/4	M45	920	-	
48	1200	629	1416	1327	-	1166	1190	-	40	2	51	2	4370	40	1 7/8	M48	1010	-	
Class 600 PN11.0MPa	2	50	60	127	92	108	51	58	82.55	8	3/4	19	7	6.5	8	5/8	M16	175	180
	2 1/2	65	67	149	105	127	65	73	101.6	8	7/8	22.5	7	8	8	3/4	M20	195	200
	3	80	73	168	127	146	80	88	123.825	8	7/8	22.5	7	10	8	3/4	M20	210	215
	4	100	79	216	157	175	102	108	149.225	8	1	25.5	7	21	8	7/8	M24	235	240
	5	125	105	266.5	186	210	127	136	180.975	8	1 1/8	28.5	7	41	8	1	M27	280	285
	6	150	136	292	216	241	152	162	211.138	12	1 1/8	28.5	7	57	12	1	M27	320	325
	8	200	165	349	270	302	200	212	269.876	12	1 1/4	32	7	94	12	1 1/8	M30	370	375
	10	250	213	432	324	356	250	266	323.851	16	1 3/8	35	7	164	16	1 1/4	M33	440	445
	12	300	229	489	381	413	305	312	381.001	20	1 3/8	35	7	213	20	1 1/4	M33	460	465
	14	350	273	527	413	457	337	355	419.101	20	1 1/2	38	7	343	20	1 3/8	M36	520	525
	16	400	305	603	470	508	387	400	469.901	20	1 5/8	41	7	476	20	1 1/2	M39	575	580
	18	450	362	654	533	575	438	450	533.401	20	1 3/4	44.5	7	685	20	1 5/8	M42	650	655
	20	500	368	724	584	635	489	500	584.201	24	1 3/4	44.5	7	908	24	1 5/8	M42	670	680
	24	600	438	838	692	749	591	600	692.151	24	2	51	7	1088	24	1 7/8	M48	780	790

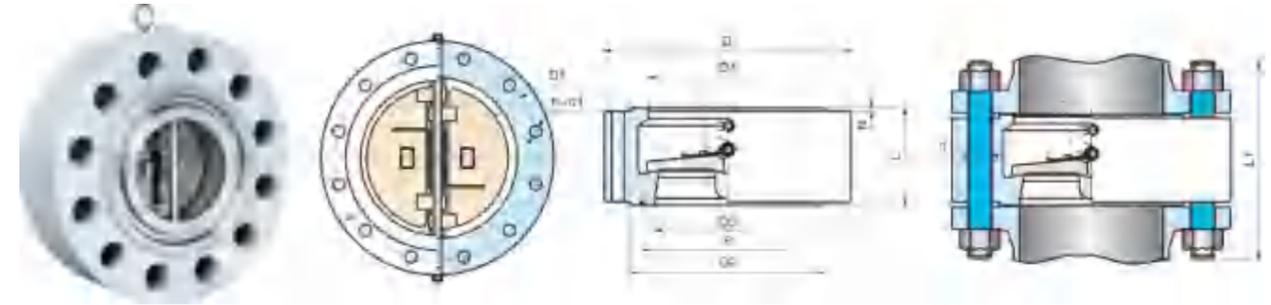
CASTING BODY LUG TYPE DOUBLE-DISC SWING CHECK VALVE (API)

(铸件壳体HTL76型) 凸耳对夹双瓣旋启式止回阀(美标)

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)										重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)					
	NPS	DN	L	D1	D2		D3	D4	P	螺栓 数量 Screw Quantity	螺栓直径d1 Screw diameter d1			N	螺栓 数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1	
					RF	RJ					in	mm				in	mm	RF	RJ
Class 900 PN15.0MPa	2	50	70	165.1	92	124	51	58	95.25	8	1	25.5	7	13	8	7/8	M24	225	230
	2 1/2	65	83	190.5	105	137	65	73	107.95	8	1 1/8	28.5	7	18	8	1	M27	250	255
	3	80	83	190.5	127	156	80	90	123.82	8	1	25.5	7	21	8	7/8	M24	240	245
	4	100	102	234.9	157	181	102	108	149.22	8	1 1/4	32	7	36	8	1 1/8	M30	285	290
	5	125	110	279.4	186	216	127	136	180.98	8	1 3/8	35	7	65	8	1 1/4	M33	310	315
	6	150	159	317.5	216	241	150	162	211.12	12	1 1/4	32	7	92	12	1 1/8	M30	365	370
	8	200	206	393.7	270	308	200	212	269.88	12	1 1/2	38	7	174	12	1 3/8	M36	440	445
	10	250	241	469.9	324	362	250	266	323.85	16	1 1/2	38	7	264	16	1 3/8	M36	490	495
	12	300	292	533.4	381	419	305	312	381	20	1 1/2	38	7	450	20	1 3/8	M36	560	565
	14	350	356	558.8	413	467	337	355	419.1	20	1 5/8	41	7	612	20	1 1/2	M39	645	655
	16	400	384	615.9	470	524	387	400	469.9	20	1 3/4	44.5	7	712	20	1 5/8	M42	685	695
	18	450	451	685.8	533	594	438	450	533.4	20	2	51	7	1160	20	1 7/8	M48	790	805
20	500	451	749.3	584	648	487	496	584.2	20	2 1/8	54	7	1568	20	2	M52	810	825	
24	600	495	901.7	692	772	591	600	692.15	20	2 5/8	66.5	7	1881	20	2 1/2	M64	945	965	
Class 1500 PN26.0MPa	2	50	70	165.1	92	124	51	58	95.25	8	1	25.5	7	14	8	7/8	M24	225	230
	2 1/2	65	83	190.5	105	137	65	73	107.95	8	1 1/8	28.5	7	19	8	1	M27	250	255
	3	80	83	203.2	127	168	80	90	136.52	8	1 1/4	32	7	25	8	1 1/8	M30	270	275
	4	100	102	241.3	157	194	102	108	161.92	8	1 3/8	35	7	43	8	1 1/4	M33	310	315
	5	125	110	292.1	186	229	127	136	193.68	8	1 5/8	41	7	72	8	1 1/2	M39	370	375
	6	150	159	317.5	216	248	150	162	211.12	12	1 1/2	38	7	101	12	1 3/8	M36	430	440
	8	200	206	393.7	270	318	200	212	269.88	12	1 3/4	45	7	240	12	1 5/8	M42	510	520
	10	250	248	482.6	324	371	250	266	323.85	12	2	51	7	306	12	1 7/8	M48	600	610
	12	300	305	571.5	381	438	305	312	381	16	2 1/8	54	7	541	16	2	M52	695	715
	14	350	356	635	413	489	337	355	419.1	16	2 3/8	61	7	932	16	2 1/4	M56	775	800
	16	400	384	704.8	470	546	387	400	469.9	16	2 5/8	66.5	7	980	16	2 1/2	M64	850	880
	Class 2500 PN42.0MPa	2	50	70	171.4	92	133	51	58	101.6	8	1 1/8	28.5	7	19	8	1	M27	255
2 1/2		65	83	196.8	105	149	65	73	111.12	8	1 1/4	32	7	31	8	1 1/8	M30	290	305
3		80	86	228.6	127	168	80	90	127	8	1 3/8	35	7	38	8	1 1/4	M33	320	330
4		100	105	273	157	203	102	108	157.18	8	1 5/8	41	7	69	8	1 1/2	M39	370	380
5		125	110	323.8	186	241	129	136	190.5	8	1 7/8	48	7	135	8	1 3/4	M45	420	435
6		150	159	368.3	216	279	150	162	228.6	8	2 1/8	54	7	184	8	2	M52	515	530
8		200	206	438.1	270	340	200	212	279.4	12	2 1/8	54	7	380	12	2	M52	600	620
10		250	254	539.7	324	425	250	266	342.9	12	2 5/8	66.5	7	489	12	2 1/2	M64	750	775
12		300	305	619.1	381	495	305	312	406.4	12	2 7/8	73	7	747	12	2 3/4	M70	855	885

LUG TYPE DOUBLE DISC SWING CHECK VALVE (FORGING BODY) (API)

(锻件壳体HTL76型) 凸耳式双瓣旋启式止回阀(美标)



压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)										重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)						
	NPS	DN	L	D	D1	D2		D3	D4	P	螺栓 数量 Screw Quantity	螺栓直径d1 Screw diameter d1		N	螺栓 数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1		
						RF	RJ					in				mm	in	mm	RF	RJ
Class 150 PN2.0MPa ASME B16.47B	2	50	60	150	120.5	92	102	51	58	82.55	4	3/4	19	2	7	4	5/8	M16	140	155
	2 1/2	65	67	180	139.5	105	121	65	73	101.6	4	3/4	19	2	9	4	5/8	M16	150	165
	3	80	73	190	152.5	127	133	80	88	114.3	4	3/4	19	2	12	4	5/8	M16	160	175
	4	100	73	230	190.5	157	171	102	108	149.225	8	3/4	19	2	19	8	5/8	M16	170	185
	5	125	86	255	216	186	194	127	132	171.45	8	7/8	22.5	2	25	8	3/4	M20	190	205
	6	150	98	280	241.5	216	219	152	160	193.675	8	7/8	22.5	2	32	8	3/4	M20	205	220
	8	200	127	345	298.5	270	273	203	210	247.65	8	7/8	22.5	2	63	8	3/4	M20	240	255
	10	250	146	405	362	324	330	254	266	304.801	12	1	25.5	2	93	12	7/8	M24	270	285
	12	300	181	485	432	381	406	305	310	381.001	12	1	25.5	2	170	12	7/8	M24	310	325
	14	350	184	535	476	413	425	350	355	396.876	12	1 1/8	28.5	2	199	12	1	M27	325	340
	16	400	191	595	540	470	483	400	405	454.026	16	1 1/8	28.5	2	246	16	1	M27	340	355
	18	450	203	635	578	533	546	450	455	517.526	16	1 1/4	32	2	290	16	1 1/8	M30	365	380
20	500	219	700	635	584	597	500	505	558.801	20	1 1/4	32	2	348	20	1 1/8	M30	385	400	
24	600	222	815	749.5	692	711	600	605	673.101	20	1 3/8	35	2	396	20	1 1/4	M33	405	420	
28	700	305	835	795.5	762	-	700	700	-	40	7/8	22.5	2	1270	40	3/4	M20	455	-	
30	750	305	885	846	813	-	746	750	-	44	7/8	22.5	2	1987	44	3/4	M20	455	-	
32	800	305	940	900	864	-	796	800	-	48	7/8	22.5	2	2925	48	3/4	M20	460	-	
36	900	368	1055	1009.5	972	-	880	893	-	44	1	25.5	2	1430	44	7/8	M24	540	-	
42	1050	432	1225	1171.5	1130	-	1040	1045	-	48	1 1/8	28.5	2	2377	48	1	M27	625	-	
48	1200	524	1390	1335	1289	-	1166	1200	-	44	1 1/4	32	2	4174	44	1 1/8	M30	740	-	

LUG TYPE DOUBLE DISC SWING CHECK VALVE (FORGING BODY) (API)

(锻件壳体HTL76型)凸耳式双瓣旋启式止回阀(美标)

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)											重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)					
	NPS	DN	L	D	D1	D2		D3	D4	P	螺栓数量 Screw Quantity	螺栓直径d1 Screw diameter d1			N	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1	
						RF	RJ					in	mm				in	mm	RF	RJ
Class 300 PN5.0MPa ASME B16.47B	2	50	60	165	127	92	108	51	58	82.55	8	3/4	19	2	8	8	5/8	M16	155	175
	2 1/2	65	67	190	149	105	127	65	73	101.6	8	7/8	22.5	2	10	8	3/4	M20	175	195
	3	80	73	210	168.5	127	146	80	88	123.825	8	7/8	22.5	2	14	8	3/4	M20	190	210
	4	100	73	255	200	157	175	102	108	149.225	8	7/8	22.5	2	23	8	3/4	M20	195	215
	5	125	86	280	235	186	210	127	132	180.98	8	7/8	22.5	2	41	8	3/4	M20	215	235
	6	150	98	320	270	216	241	152	160	211.138	12	7/8	22.5	2	45	12	3/4	M20	230	250
	8	200	127	380	330	270	302	203	210	269.876	12	1	25.5	2	78	12	7/8	M24	280	300
	10	250	146	445	387.5	324	356	254	266	323.851	16	1 1/8	28.5	2	115	16	1	M27	315	335
	12	300	181	520	451	381	413	305	310	381.001	16	1 1/4	32	2	242	16	1 1/8	M30	365	385
	14	350	222	585	514.5	413	457	350	355	419.101	20	1 1/4	32	2	360	20	1 1/8	M30	410	430
	16	400	232	650	571.5	470	508	400	405	469.901	20	1 3/8	35	2	489	20	1 1/4	M33	435	455
	18	450	264	710	628.5	533	575	450	455	533.401	24	1 3/8	35	2	558	24	1 1/4	M33	475	495
	20	500	292	775	686	584	635	500	505	584.201	24	1 3/8	35	2	766	24	1 1/4	M33	510	535
	24	600	318	915	813	692	749	600	608	692.151	24	1 5/8	41	2	1190	24	1 1/2	M39	560	585
	30	750	368	990	921	845	-	735	740	-	36	1 1/2	38	2	1996	36	1 3/8	M36	650	-
	36	900	438	1170	1089	1010	-	873	880	-	32	1 3/4	44.5	2	2660	32	1 5/8	M42	800	-
42	1050	568	1335	1245	1168	-	1020	1020	-	36	1 7/8	48	2	5515	36	1 3/4	M45	920	-	
48	1200	629	1510	1416	1327	-	1166	1190	-	40	2	51	2	6239	40	1 7/8	M48	1010	-	
Class 600 PN11.0MPa	2	50	60	165	127	92	108	51	58	82.55	8	3/4	19	7	8	8	5/8	M16	175	180
	2 1/2	65	67	190	149	105	127	65	73	101.6	8	7/8	22.5	7	10	8	3/4	M20	195	200
	3	80	73	210	168	127	146	80	88	123.825	8	7/8	22.5	7	14	8	3/4	M20	210	215
	4	100	79	275	216	157	175	102	108	149.225	8	1	25.5	7	30	8	7/8	M24	235	240
	5	125	105	330	266.5	186	210	127	136	180.975	8	1 1/8	28.5	7	58	8	1	M27	280	285
	6	150	136	355	292	216	241	152	162	211.138	12	1 1/8	28.5	7	81	12	1	M27	320	325
	8	200	165	420	349	270	302	200	212	269.876	12	1 1/4	32	7	134	12	1 1/8	M30	370	375
	10	250	213	510	432	324	356	250	266	323.851	16	1 3/8	35	7	234	16	1 1/4	M33	440	445
	12	300	229	560	489	381	413	305	312	381.001	20	1 3/8	35	7	304	20	1 1/4	M33	460	465
	14	350	273	605	527	413	457	337	355	419.101	20	1 1/2	38	7	490	20	1 3/8	M36	520	525
	16	400	305	685	603	470	508	387	400	469.901	20	1 5/8	41	7	680	20	1 1/2	M39	575	580
	18	450	362	745	654	533	575	438	450	533.401	20	1 3/4	44.5	7	978	20	1 5/8	M42	650	655
20	500	368	815	724	584	635	489	500	584.201	24	1 3/4	44.5	7	1297	24	1 5/8	M42	670	680	
24	600	438	940	838	692	749	591	600	692.151	24	2	51	7	1554	24	1 7/8	M48	780	790	

LUG TYPE DOUBLE DISC SWING CHECK VALVE (FORGING BODY) (API)

(锻件壳体HTL76型)凸耳式双瓣旋启式止回阀(美标)

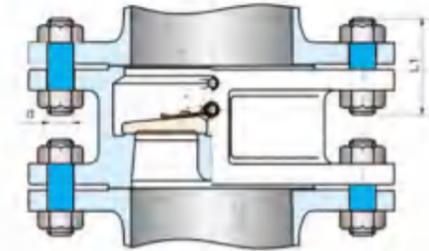
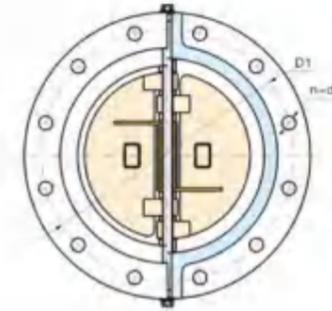
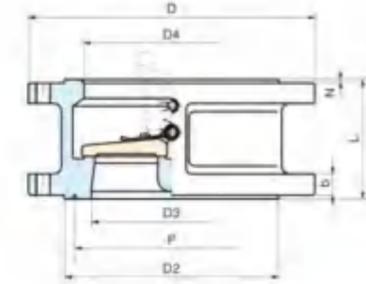
压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)											重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)						
	NPS	DN	L	D	D1	D2		D3	D4	P	螺栓数量 Screw Quantity	螺栓直径d1 Screw diameter d1			N	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1		
						RF	RJ					in	mm				in	mm	RF	RJ	
Class 900 PN15.0MPa	2	50	70	215	165.1	92	124	51	58	95.25	8	1	25.5	7	16	8	7/8	M24	225	230	
	2 1/2	65	83	245	190.5	105	137	65	73	107.95	8	1 1/8	28.5	7	22	8	1	M27	250	255	
	3	80	83	240	190.5	127	156	80	90	123.82	8	1	25.5	7	26	8	7/8	M24	240	245	
	4	100	102	290	234.9	157	181	102	108	149.22	8	1 1/4	32	7	45	8	1 1/8	M30	285	290	
	5	125	110	350	279.4	186	216	127	136	180.98	8	1 3/8	35	7	81	8	1 1/4	M33	310	315	
	6	150	159	380	317.5	216	241	150	162	211.12	12	1 1/4	32	7	115	12	1 1/8	M30	365	370	
	8	200	206	470	393.7	270	308	200	212	269.88	12	1 1/2	38	7	217	12	1 3/8	M36	440	445	
	10	250	241	545	469.9	324	362	250	266	323.85	16	1 1/2	38	7	330	16	1 3/8	M36	490	495	
	12	300	292	610	533.4	381	419	305	312	381	20	1 1/2	38	7	509	20	1 3/8	M36	560	565	
	14	350	356	640	558.8	413	467	337	355	419.1	20	1 5/8	41	7	765	20	1 1/2	M39	645	655	
	16	400	384	705	615.9	470	524	387	400	469.9	20	1 3/4	44.5	7	890	20	1 5/8	M42	685	695	
	18	450	451	785	685.8	533	594	438	450	533.4	20	2	51	7	1450	20	1 7/8	M48	790	805	
	20	500	451	855	749.3	584	648	487	496	584.2	20	2 1/8	54	7	1960	20	2	M52	810	825	
	24	600	495	1040	901.7	692	772	591	600	692.15	20	2 5/8	66.5	7	2351	20	2 1/2	M64	945	965	
	Class 1500 PN26.0MPa	2	50	70	215	165.1	92	124	51	58	95.25	8	1	25.5	7	16	8	7/8	M24	225	230
		2 1/2	65	83	245	190.5	105	137	65	73	107.95	8	1 1/8	28.5	7	22	8	1	M27	250	255
3		80	83	265	203.2	127	168	80	90	136.52	8	1 1/4	32	7	29	8	1 1/8	M30	270	275	
4		100	102	310	241.3	157	194	102	108	161.92	8	1 3/8	35	7	51	8	1 1/4	M33	310	315	
5		125	110	375	292.1	186	229	127	136	193.68	8	1 5/8	41	7	85	8	1 1/2	M39	370	375	
6		150	159	395	317.5	216	248	150	162	211.12	12	1 1/2	38	7	119	12	1 3/8	M36	430	440	
8		200	206	485	393.7	270	318	200	212	269.88	12	1 3/4	44.5	7	283	12	1 5/8	M42	510	520	
10		250	248	585	482.6	324	371	250	266	323.85	12	2	51	7	361	12	1 7/8	M48	600	610	
12		300	305	675	571.5	381	438	305	312	381	16	2 1/8	54	7	637	16	2	M52	695	715	
14		350	356	750	635	413	489	337	355	419.1	16	2 3/8	61	7	1097	16	2 1/4	M56	775	800	
16		400	384	825	704.8	470	546	387	400	469.9	16	2 5/8	66.5	7	1152	16	2 1/2	M64	850	880	
Class 2500 PN42.0MPa		2	50	70	235	171.4	92	133	51	58	101.6	8	1 1/8	28.5	7	19	8	1	M27	255	260
		2 1/2	65	83	265	196.8	105	149	65	73	111.12	8	1 1/4	32	7	31	8	1 1/8	M30	290	305
		3	80	86	305	228.6	127	168	80	90	127	8	1 3/8	35	7	38	8	1 1/4	M33	320	330
		4	100	105	355	273	157	203	102	108	157.18	8	1 5/8	41	7	69	8	1 1/2	M39	370	380
		5	125	110	420	323.8	186	241	127	136	190.5	8	1 7/8	48	7	135	8	1 3/4	M45	420	435
	6	150	159	485	368.3	216	279	150	162	228.6	8	2 1/8	54	7	184	8	2	M52	515	530	
	8	200	206	550	438.1	270	340	200	212	279.4	12	2 1/8	54	7	380	12	2	M52	600	620	
	10	250	254	675	539.7	324	425	250	266	342.9	12	2 5/8	66.5	7	489	12	2 1/2	M64	750	775	
	12	300	305	760	619.1	381	495	305	312	406.4	12	2 7/8	73	7	747	12	2 3/4	M70	855	885	

DOUBLE FLANGED TYPE DOUBLE DISC SWING CHECK VALVE (API)

法兰连接H46型双瓣旋启式止回阀(美标)

**H46型** 美标系列 / 国标系列  
API Series/GB Series

法兰连接H46型双瓣旋启式止回阀  
H46-Double Flanged Type Double Disc Swing Check



压力级 Pressure level	口径 Size			尺寸 Dimensions(mm)										配管法兰(供参考) Pipe flange (for reference)						
	NPS	DN	L	D	D1	D2		D3	D4	P	b	螺栓 数量 Screw Quantity	螺栓直径d1 Screw diameter d1		N	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1		
						RF	RJ						in	mm		in	mm	RF	RJ	
Class 150 PN2.0MPa	8	200	127	345	298.5	270	273	203	210	247.65	27	8	7/8	22.5	2	8	3/4	M20	120	135
	10	250	146	405	362	324	330	254	266	304.801	28.6	12	1	25.5	2	12	7/8	M24	135	150
	12	300	181	485	432	381	406	305	310	381.001	30.2	12	1	25.5	2	12	7/8	M24	135	150
	14	350	184	535	476	413	425	350	355	396.876	33.4	12	1 1/8	28.5	2	12	1	M27	145	160
	16	400	191	595	540	470	483	400	405	454.026	35	16	1 1/8	28.5	2	16	1	M27	155	170
ASME B16.47B	18	450	203	635	578	533	546	450	455	517.526	38.1	16	1 1/4	32	2	16	1 1/8	M30	165	180
	20	500	219	700	635	584	597	500	505	558.801	41.3	20	1 1/4	32	2	20	1 1/8	M30	170	185
ASME B16.47B	24	600	222	815	749.5	692	711	600	605	673.101	46.1	20	1 3/8	35	2	20	1 1/4	M33	185	200
	28	700	305	835	795.5	762	-	700	700	-	43	40	7/8	22.5	2	40	3/4	M20	205	-
	30	750	305	885	846	813	-	746	750	-	43	44	7/8	22.5	2	44	3/4	M20	210	-
	32	800	305	940	900	864	-	796	800	-	44.6	48	7/8	22.5	2	48	3/4	M20	225	-
	36	900	368	1055	1009.5	972	-	880	893	-	50.9	44	1	25.5	2	44	7/8	M24	250	-
	42	1050	432	1225	1171.5	1130	-	1040	1045	-	57.3	48	1 1/8	28.5	2	48	1	M27	275	-
48	1200	524	1390	1335	1289	-	1166	1200	-	63.6	44	1 1/4	32	2	44	1 1/8	M30	305	-	

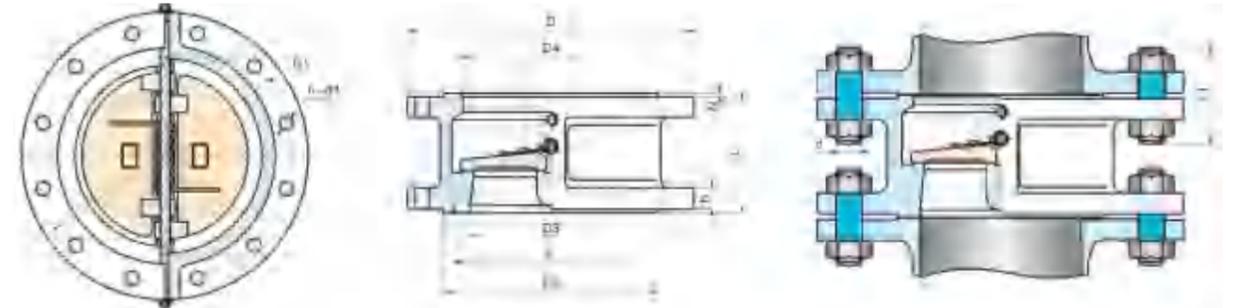
**DOUBLE FLANGED TYPE DOUBLE DISC SWING CHECK VALVE (API)**

法兰连接H46型双瓣旋启式止回阀(美标)



**DOUBLE DISC SWING CHECK VALVE (GB)**

H46型 双瓣旋启式止回阀(国标)

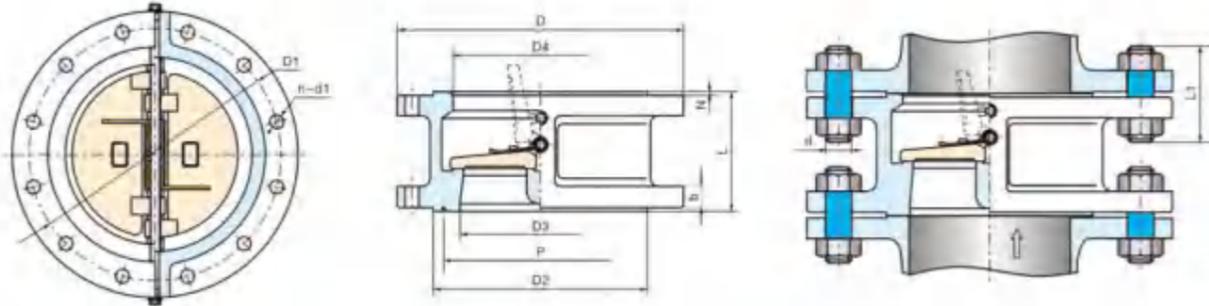


压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)											配管法兰(供参考) Pipe flange (for reference)						
	NPS	DN	L	D	D1	D2		D3	D4	P	b	螺孔数量 Screw Quantity	螺孔直径d1 Screw diameter d1		N	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d		螺栓长度L1 Bolt length L1	
						RF	RJ						in	mm			in	mm	RF	RJ
Class 300 PN5.0MPa  ASME B16.47B	12	300	181	520	451	381	413	305	310	381.001	49.3	16	1 1/4	32	2	16	1 1/8	M30	185	205
	14	350	222	585	514.5	413	457	350	355	419.101	52.4	20	1 1/4	32	2	20	1 1/8	M30	195	215
	16	400	232	650	571.5	470	508	400	405	469.901	55.6	20	1 3/8	35	2	20	1 1/4	M33	205	225
	18	450	264	710	628.5	533	575	450	455	533.401	58.8	24	1 3/8	35	2	24	1 1/4	M33	210	230
	20	500	292	775	686	584	635	500	505	584.201	62	24	1 5/8	35	2	24	1 1/4	M33	215	230
	24	600	318	915	813	692	749	600	608	692.151	68.3	24	1 1/2	41	2	24	1 1/2	M39	250	265
	30	700	368	990	921	845	-	735	740	-	92.1	36	1 3/4	38	2	36	1 3/8	M36	290	-
	36	900	483	1170	1089	1010	-	873	880	-	101.6	36	1 7/8	44.5	2	36	1 5/8	M42	325	-
	42	1050	568	1335	1245	1168	-	1020	1020	-	117.5	36	2	48	2	36	1 3/4	M45	360	-
	48	1200	629	1510	1416	1327	-	1166	1190	-	127	40	1 1/4	51	2	40	1 7/8	M48	400	-
Class 600 PN11.0MPa	12	300	229	560	489	381	413	305	312	381.001	66.7	20	1 1/2	35	7	20	1 1/4	M33	240	245
	14	350	273	605	527	413	457	337	355	419.101	69.9	20	1 5/8	38	7	20	1 3/8	M36	260	265
	16	400	305	685	603	470	508	387	400	469.901	76.2	20	1 1/2	41	7	20	1 1/2	M39	280	285
	18	450	362	745	654	533	575	438	450	533.401	82.6	20	1 3/4	44.5	7	20	1 5/8	M42	295	300
	20	500	368	815	724	584	635	489	500	584.201	88.9	20	1 3/4	44.5	7	20	1 5/8	M42	310	315
	24	600	438	940	838	692	749	591	600	692.151	101.6	24	2	51	7	24	1 7/8	M48	350	360
Class 900 PN15.0MPa	10	250	241	545	469.9	324	362	250	266	323.85	69.9	12	1 1/2	38	7	12	1 3/8	M36	260	265
	12	300	292	610	533.4	381	419	305	312	381	79.4	16	1 1/2	38	7	16	1 3/8	M36	275	280
	14	350	356	640	558.8	413	467	337	355	419.1	85.8	20	1 5/8	41	7	20	1 1/2	M39	295	305
	16	400	384	705	615.9	470	524	387	400	469.9	88.9	20	1 3/4	44.5	7	20	1 5/8	M42	305	315
	18	450	451	785	685.8	533	594	438	450	533.4	101.6	20	2	51	7	20	1 7/8	M48	350	365
	20	500	451	855	749.3	584	648	487	496	584.2	108	20	1 2/8	54	7	20	2	M52	370	385
	24	600	495	1040	901.7	692	772	591	600	692.15	139.7	20	2 5/8	66.5	7	20	2 1/2	M64	470	490

公称压力 Nominal pressure Mpa	公称口径 Nominal diameter mm	尺寸 Dimensions(mm)											配管法兰(供参考) Pipe flange (for reference)			
		L	D	D1	D2	D3	D4	b	螺孔数量 Screw Quantity	螺孔直径d1 Screw diameter d1	N	螺栓数量 Screw Quantity	螺孔直径d1 Screw diameter d1	螺栓长度L1 Bolt length L1		
															RF	RJ
PN1.0MPa GB/T 9113	200	127	340	295	268	203	210	24	8	22	3	8	M20	110		
	250	146	395	350	320	254	266	26	12	22	3	12	M20	115		
	300	181	445	400	370	305	310	26	12	22	4	12	M20	120		
	350	184	505	460	430	350	355	26	16	22	4	16	M20	120		
	400	191	565	515	482	400	405	26	16	26	4	16	M24	130		
	450	203	615	565	532	450	455	28	20	28	4	20	M24	130		
	500	219	670	620	585	500	505	28	20	26	4	20	M24	135		
	600	222	780	725	685	600	605	34	20	30	5	20	M27	150		
	700	305	895	840	800	700	700	35	24	30	5	24	M27	140		
	800	305	1015	950	905	796	800	38	24	33	5	24	M30	155		
	900	368	1115	1050	1005	880	903	38	28	33	5	28	M30	160		
	1000	432	1230	1160	1110	976	985	44	28	36	5	28	M33	160		
1200	524	1455	1380	1330	1166	1205	55	32	39	5	32	M36	185			
PN1.6MPa GB/T 9113	200	127	340	295	268	203	210	24	12	22	3	12	M20	115		
	250	146	405	355	320	254	266	26	12	26	3	12	M24	130		
	300	181	460	410	378	305	310	28	12	26	4	12	M24	130		
	350	184	520	470	438	350	355	30	16	26	4	16	M24	140		
	400	191	580	525	490	400	405	32	16	30	4	16	M27	150		
	450	203	640	585	550	450	455	40	20	30	4	20	M27	160		
	500	219	715	650	610	500	505	44	20	33	4	20	M30	175		
	600	222	840	770	725	600	605	54	20	36	5	20	M33	200		
	700	305	910	840	795	700	700	58	24	36	5	24	M33	205		
	800	305	1025	950	900	769	800	60	24	36	5	24	M36	210		
	900	368	1125	1050	1000	880	893	64	28	39	5	28	M36	215		
	1000	432	1255	1170	1115	976	985	68	28	42	5	28	M39	235		
1200	524	1485	1390	1330	1166	1200	78	32	48	5	32	M45	250			

DOUBLE DISC SWING CHECK VALVE (GB)

H46型 双瓣旋启式止回阀(国标)



公称压力 Nominal pressure Mpa	公称通径 Nominal diameter mm	尺寸 Dimensions(mm)										配管法兰(供参考) Pipe flange (for reference)		
		L	D	D1	D2	D3	D4	b	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d1 Screw diameter d1	螺栓长度L1 Bolt length L1
PN2.5MPa GB/T 9113	200	127	360	310	278	203	210	30	12	26	3	12	M24	150
	250	146	425	370	335	254	266	32	12	30	3	12	M27	150
	300	181	485	430	395	305	310	34	16	30	4	16	M27	155
	350	184	555	490	450	350	355	38	16	33	4	16	M30	175
	400	191	620	550	505	400	405	40	16	36	4	16	M33	185
	450	203	670	600	555	450	455	46	20	36	4	20	M33	190
	500	219	730	660	615	500	505	48	20	36	4	20	M33	205
	600	222	845	770	720	600	605	58	20	39	5	20	M36	220
	700	305	960	875	820	700	700	60	24	42	5	24	M39	240
	800	305	1085	990	930	796	800	66	24	48	5	24	M45	250
	900	368	1185	1090	1030	880	893	70	28	48	5	28	M45	265
	1000	432	1320	1210	1140	976	985	74	28	56	5	28	M52	285
1200	524	1530	1420	1350	1166	1200	86	32	56	5	32	M52	290	

公称压力 Nominal pressure Mpa	公称通径 Nominal diameter mm	尺寸 Dimensions(mm)										配管法兰(供参考) Pipe flange (for reference)					
		L	D	D1	D2		D3	D4	P	b	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 L1	
				RF		RJ							R F, MFM		RJ		
PN4.0MPa GB/T 9113	250	146	450	385	345	-	254	266	-	38	12	33	3	12	M30	175	-
	300	181	515	450	440	-	305	310	-	42	16	33	4	16	M30	180	-
	350	222	550	510	465	-	350	355	-	46	16	36	4	16	M33	195	-
	400	232	660	585	525	-	400	405	-	50	16	39	4	16	M36	225	-
	450	264	685	610	560	-	450	455	-	57	20	39	4	20	M36	230	-
	500	292	755	670	615	-	500	505	-	57	20	42	4	20	M39	245	-
600	318	890	795	735	-	600	608	-	72	20	48	5	20	M45	260	-	

H74/77型 美标系列 / 国标系列  
API Series/GB Series

H74型对夹单瓣旋启式止回阀  
H74-Wafer Type Single Disc Swing Check Valve (casting body)

H77型斜盘对夹单瓣旋启式止回阀  
H77-Wafer Type Tilting Disc Check Valve

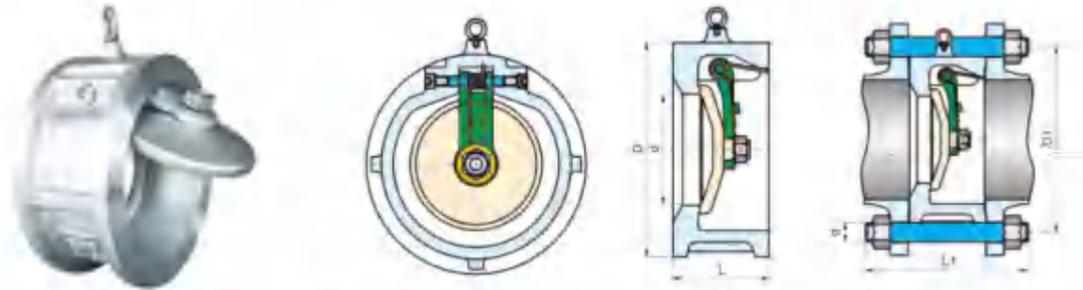


WAFER TYPE SINGLE DISC SWING CHECK VALVE LONG SERIES (API)

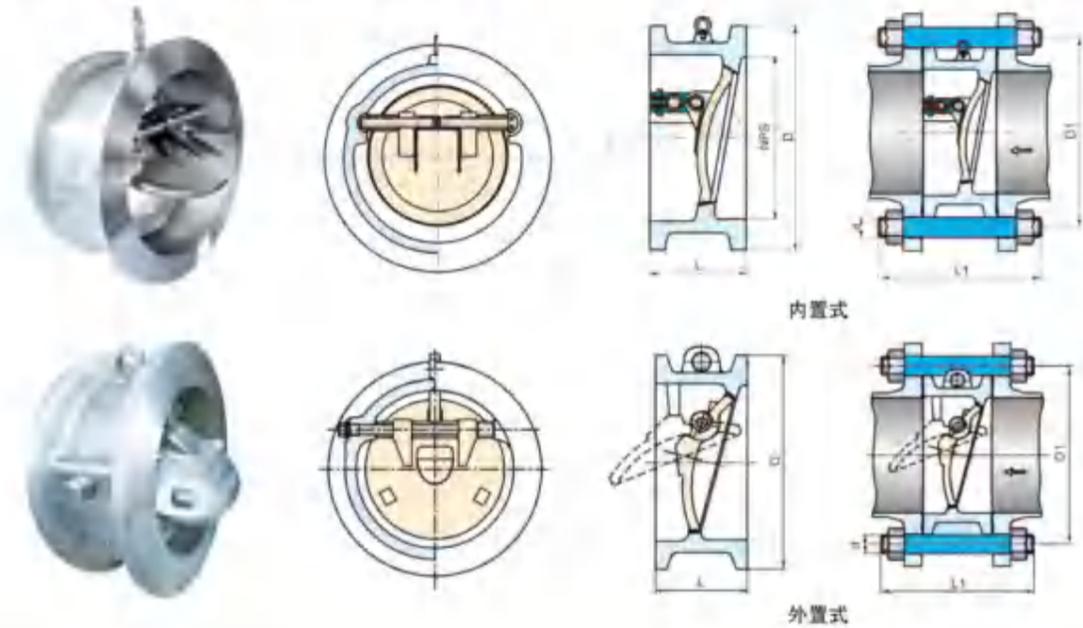
WAFER TYPE SINGLE DISC SWING CHECK VALVE (API)

H74型对夹单瓣旋启式止回阀长系列(美标)

H74/77型对夹单瓣旋启式止回阀(美标)



H77型斜盘对夹单瓣旋启式止回阀(美标) WAFER TYPE TILTING DISC CHECK VALVE (API)



压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)		重量 Weight (Kg)	d	配管法兰(供参考) Pipe flange (for reference)					
	NPS	DN	L	D			螺栓孔中心圆直径D1 Bolt hole center Diameter D1	螺栓数量 Screw Quantity	螺栓直径d1 Screw diameter d1		螺栓长度 L1 Bolt length L1	
Class150 PN2.0MPa ASME B16.5	2	50	60	103	3	30	120.5	4	5/8	M16	140	155
	2 1/2	65	67	122	4	40	139.5	4	5/8	M16	150	165
	3	80	73	135	5	52	152.5	4	5/8	M16	160	175
	4	100	73	173	8	76	190.5	8	5/8	M16	170	185
	5	125	86	195	10	93	216.0	8	3/4	M20	190	205
	6	150	98	220	16	114	241.5	8	3/4	M20	205	220
	8	200	127	277	30	157	298.5	8	3/4	M20	240	255
	10	250	146	337	47	195	362.0	12	7/8	M24	270	285
	12	300	181	407	65	230	432.0	12	7/8	M24	310	325
	14	350	184	448	102	270	476.0	12	1	M27	325	340
	16	400	191	512	137	310	540.0	16	1	M27	340	355
	18	450	203	547	166	360	578.0	16	1 1/8	M30	365	380
20	500	219	604	193	406	635.0	20	1 1/8	M30	385	400	
24	600	222	715	397	490	749.5	20	1 1/4	M33	405	420	

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)		重量 Weight (Kg)	d	配管法兰(供参考) Pipe flange (for reference)					
	NPS	DN	L	D			螺栓孔中心圆直径D1 Bolt hole center Diameter D1	螺栓数量 Screw Quantity	螺栓直径d1 Screw diameter d1		螺栓长度 L1 Bolt length L1	
Class300 PN5.0MPa ASME B16.5	2	50	60	110	4	30	127.0	8	5/8	M16	155	175
	2 1/2	65	67	128	5	40	149.0	8	3/4	M20	175	195
	3	80	73	147	7	52	168.5	8	3/4	M20	190	210
	4	100	73	179	10	76	200.0	8	3/4	M20	195	215
	5	125	86	214	16	93	235.0	8	3/4	M20	215	235
	6	150	98	249	22	114	270.0	12	3/4	M20	230	250
	8	200	127	305	37	157	300.0	12	7/8	M24	280	300
	10	250	146	359	61	195	387.5	16	1	M27	315	335
	12	300	181	420	92	230	451.0	16	1 1/8	M30	365	385
	14	350	222	483	140	270	514.5	20	1 1/8	M30	410	430
	16	400	232	537	228	310	571.5	20	1 1/4	M33	435	455
	18	450	264	594	240	360	628.5	24	1 1/4	M33	475	495
20	500	292	652	318	406	686.0	24	1 1/4	M33	510	535	
24	600	318	772	492	490	813.0	24	1 1/2	M39	560	585	
Class600 PN11.0MPa ASME B16.5	2	50	60	110	5	30	127.0	8	5/8	M16	175	180
	2 1/2	65	67	128	6	40	149.0	8	3/4	M20	195	200
	3	80	73	147	10	52	168.5	8	3/4	M20	210	215
	4	100	79	191	13	76	216.0	8	7/8	M24	235	240
	5	125	105	239	24	93	267.0	8	1	M27	280	285
	6	150	136	264	31	114	292.0	12	1	M27	320	325
	8	200	165	318	66	157	349.0	12	1 1/8	M30	370	375
	10	250	213	398	114	195	432.0	16	1 1/4	M33	440	445
	12	300	229	455	168	230	489.0	20	1 1/4	M33	460	465
	14	350	273	490	268	270	527.0	20	1 3/8	M36	520	525
	16	400	305	562	432	310	603.0	20	1 1/2	M39	575	580
	18	450	362	610	474	360	654.0	20	1 5/8	M42	650	655
20	500	368	680	622	406	724.0	24	1 5/8	M42	670	680	
24	600	438	786	1003	490	838.0	24	1 7/8	M48	780	790	
Class900 PN15.0MPa ASME B16.5	2	50	70	140	10	30	165.0	8	7/8	24	225	230
	2 1/2	65	83	162	13	40	190.5	8	1	27	250	255
	3	80	83	165	17	52	190.5	8	7/8	24	240	245
	4	100	102	204	24	71	235.0	8	1 1/8	30	285	290
	5	125	110	245	36	90	279.5	8	1 1/4	33	310	315
	6	150	159	286	50	110	317.5	12	1 1/8	30	365	370
	8	200	206	356	101	140	393.5	12	1 3/8	36	440	445
	10	250	241	432	174	185	470.0	16	1 3/8	36	490	495
	12	300	292	495	264	215	533.5	20	1 3/8	36	560	565
	14	350	356	518	420	250	559.0	20	1 1/2	39	645	655
	16	400	384	572	564	285	616.0	20	1 5/8	42	685	695
	18	450	451	635	726	325	686.0	20	1 7/8	48	790	805
20	500	451	695	984	360	749.5	20	2	52	810	825	
24	600	495	835	1260	440	901.5	20	2 1/2	64	945	965	

**WAFER TYPE SINGLE DISC SWING CHECK VALVE (API)**

**H74/77型对夹单瓣旋启式止回阀(美标)**

公称压力 Nominal pressrue Mpa	公称通径 Normalal diameter mm	尺寸 Dimensions(mm)		d	重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)			
		L	D			螺栓孔中心 圆直径D1 Bolt hole center Diameter D1	螺孔数量 Screw Quantity	螺孔直径d1 Screw diameter d1	螺栓长度 L1 Bolt length L1
PN1.0MPa GB/T 9113	50	60	108	30	3	125	4	16	150
	65	67	128	40	4	145	4	16	155
	80	73	142	52	5	160	8	16	160
	100	73	162	76	7	180	8	16	165
	125	86	192	93	10	210	8	16	180
	150	98	218	114	16	240	8	20	205
	200	127	273	157	30	295	8	20	235
	250	146	328	195	47	350	12	20	255
	300	181	378	230	77	400	12	20	290
	350	184	438	270	102	460	16	20	295
	400	191	489	310	137	515	16	24	310
	450	203	539	360	166	565	20	24	325
	500	219	594	406	193	620	20	24	345
	600	222	696	490	300	725	20	27	355
PN1.6MPa GB/T 9113	50	60	108	30	3	125	4	16	150
	65	67	128	40	4	145	4	16	155
	80	73	142	52	5	160	8	16	160
	100	73	162	76	7	180	8	16	165
	125	86	192	93	10	210	8	16	180
	150	98	218	114	16	240	8	20	205
	200	127	273	157	30	295	12	20	235
	250	146	329	195	47	355	12	24	265
	300	181	384	230	77	410	12	M24	305
	350	184	444	270	102	470	16	M24	310
	400	191	496	310	137	525	16	M27	330
	450	203	556	360	166	585	20	M27	345
	500	219	618	406	193	650	20	M30	370
	600	222	732	490	300	770	20	M33	380
PN2.5MPa GB/T 9113	50	60	108	30	3	125	4	M16	150
	65	67	128	40	4	145	8	M16	160
	80	73	142	52	5	160	8	M16	170
	100	73	168	76	7	190	8	M20	180
	125	86	194	93	10	220	8	M24	205
	150	98	224	114	17	250	8	M24	220
	200	127	284	157	32	310	12	M24	255
	250	146	341	195	50	370	12	M27	285
	300	181	401	230	65	430	16	M27	325
	350	184	458	270	103	490	16	M30	340
	400	191	515	310	144	550	16	M33	360
	450	203	565	360	178	600	20	M33	375
	500	219	622	406	198	660	20	M33	395
	600	222	732	490	290	770	20	M36	410

**CHECK VALVE WITH HYDRAULIC DAMPER**

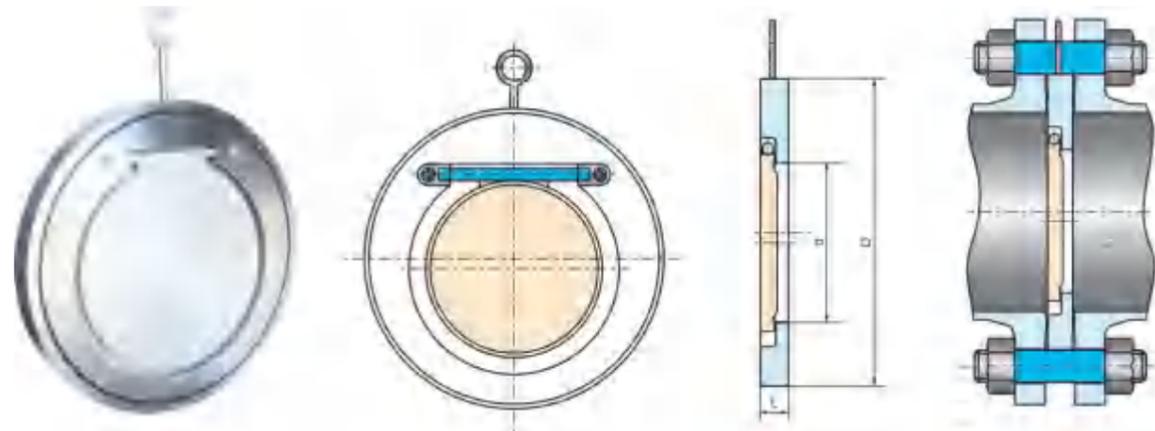
**液阻锤止回阀**



	150LB	300LB
Size	(mm)	(mm)
3/4	120	120
1	125	125
1-1/2	140	140
2	150	150
2-1/2	170	170
3	180	180
4	190	190
6	210	210
8	230	230
10	250	250
12	270	270
14	290	290
16	310	310
18	330	330
20	350	350
24	390	390
28	430	430
32	470	470
36	510	510
40	550	550
42		
48	630	630
54		
56	710	710
60		
64	790	790

SANDWICH TYPE SINGLE DISC SWING CHECK VALVE (FORGING BODY) SHORT SERIES

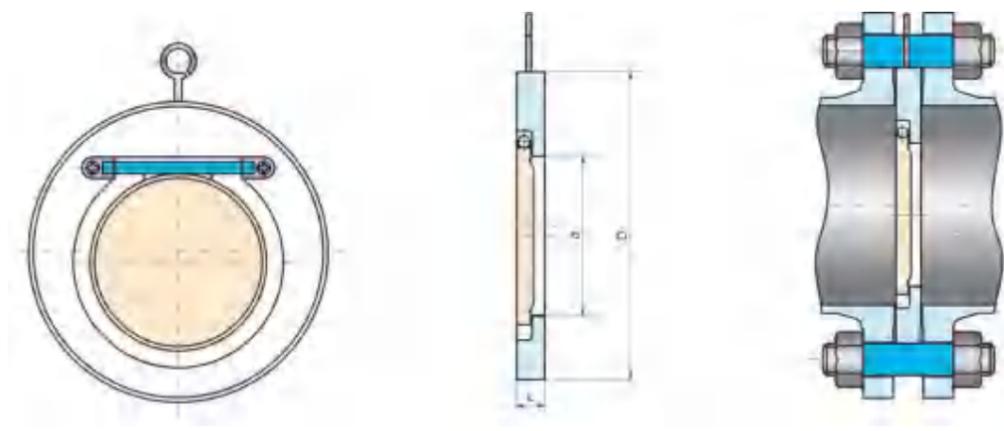
H74型对夹单瓣旋启式止回阀短系列



口径 Size	d	L	D			
			PN10	PN16	JIS10K	CLASS 150LB
50	30	19	109	109	103	104
65	40	19	129	129	123	123
80	52	19	143	143	133	136
100	71	19	163	163	158	174
125	93	19	193	193	189	196
150	114	19	219	219	219	221
200	157	29	274	274	269	278
250	195	29	329	329	332	338
300	230	38	379	385	377	408
350	270	44	439	445	422	449
400	310	51	490	497	485	513
450	360	60	539	557	540	548
500	406	64	595	619	595	605
600	490	70	697	733	699	716

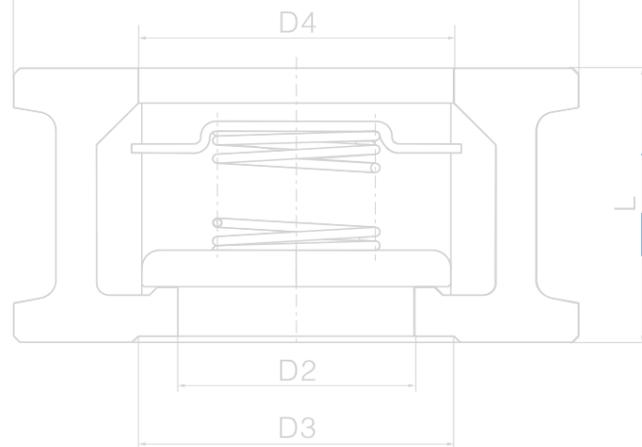
SANDWICH TYPE SINGLE DISC SWING CHECK VALVE (FORGING BODY) SHORT SERIES

H74型对夹单瓣旋启式止回阀短系列



口径 Size	d	L	D
			CLASS 300LB
50	30	19	111
65	40	19	129
80	52	19	148
100	71	19	180
125	93	19	215
150	114	22	250
200	157	29	306
250	195	38	360
300	230	51	421
350	270	51	484
400	310	51	538
450	360	76	595
500	406	83	653

口径 Size	d	L	D
			CLASS 600LB
50	30	19	111
65	40	19	129
80	52	19	148
100	71	22	192
125	93	25	240
150	114	29	265
200	157	38	319
250	195	57	399
300	230	60	456
350	270	67	491
400	310	73	563
450	360	83	611
500	406	92	681



DURABLE QUALITY SOLUD BRAND

WAFER TYPE LIFT CHECK VALVE (API)

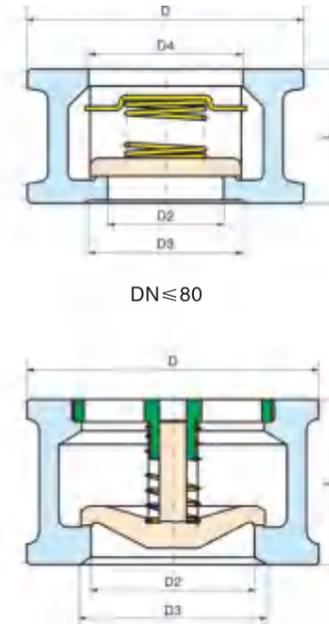
H71型对夹升降式止回阀(美标)

**H71型** 美标系列 / 国标系列  
API Series/GB Series

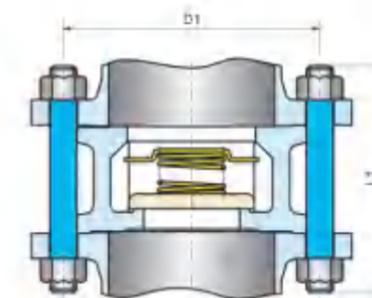
**H71型对夹升降式止回阀**  
H71-Wafer Type Single Disc Lift Check Valve



铸造长系列 Casting long series



DN ≤ 80



DN ≥ 100

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)					重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)					
	NPS	DN	L	D	D2	D3	D4		螺栓孔中心 圆直径D1 Bolt hole center Diameter D1		螺栓直径 d Screw diameter d		螺栓长度 L1 Bolt length L1	
									数量 Quantity	RF	RJ	in	mm	RF
Class150 PN2.0MPa	1/2	15	25	46	15	25	25	0.28	60.5	4	1/2	M14	90	-
	3/4	20	31.5	56	19	30	30	0.42	70	4	1/2	M14	100	-
	1	25	35.5	65	24	36	36	0.56	79.5	4	1/2	M14	105	120
	1 1/4	32	40	74	31	43	43	0.75	89	4	1/2	M14	115	130
	1 1/2	40	45	84	39	52	52	1.3	98.5	4	1/2	M14	120	135
	2	50	56	103	48	62	62	2.1	120.5	4	5/8	M16	140	155
	2 1/2	65	63	122	62	75	75	2.8	139.5	4	5/8	M16	155	170
	3	80	71	135	76	90	90	3.6	152.5	4	5/8	M16	165	180
	4	100	80	173	95	112	112	4.8	190.5	8	5/8	M16	175	190
	5	125	110	195	110	125	132	12	216.0	8	3/4	M20	210	225
	6	150	125	220	127	150	158	17	241.5	8	3/4	M20	230	245
	8	200	160	277	165	200	208	29	298.5	8	3/4	M20	270	285

DURABLE QUALITY SOLUD BRAND

WAFER TYPE LIFT CHECK VALVE (API)

H71型对夹升降式止回阀(美标)

压力级 Pressure level	口径 Size		尺寸 Dimensions(mm)					重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)							
	NPS	DN	L	D	D2	D3	D4		螺栓孔中心 圆直径D1 Bolt hole center Diameter D1		螺孔数量 Screw Quantity		螺孔直径d Screw diameter d		螺栓长度 L1 Bolt length L1	
									in	mm	RF	RJ	in	mm	RF	RJ
Class300 PN5.0MPa	1/2	15	25	52	15	25	25	0.3	66.5	4	1/2	M14	95	105		
	3/4	20	31.5	65	19	30	30	0.46	82.5	4	5/8	M16	110	125		
	1	25	35.5	72	24	36	36	0.6	89	4	5/8	M16	115	130		
	1 1/4	32	40	81	31	43	43	0.8	98.5	4	5/8	M16	125	140		
	1 1/2	40	45	94	39	52	52	1.5	114.5	4	3/4	M20	140	155		
	2	50	56	110	48	62	62	2.4	127.0	8	5/8	M16	145	170		
	2 1/2	65	63	128	62	75	75	3.0	149.0	8	3/4	M20	170	190		
	3	80	71	147	76	90	90	4.0	168.5	8	3/4	M20	185	205		
	4	100	80	179	95	112	112	5.5	200.0	8	3/4	M20	200	220		
	5	125	110	214	110	125	132	13	235.0	8	3/4	M20	235	255		
	6	150	125	249	127	150	158	22	270.0	12	3/4	M20	255	275		
	8	200	160	305	165	200	208	36	330.0	12	7/8	M24	305	325		
Class600 PN11.0MPa	1/2	15	25	52	15	25	25	0.4	66.5	4	1/2	M14	95	105		
	3/4	20	31.5	65	19	30	30	0.8	82.5	4	5/8	M16	110	125		
	1	25	35.5	72	24	36	36	1.0	89.0	4	5/8	M16	115	130		
	1 1/4	32	40	81	31	43	43	1.3	98.5	4	5/8	M16	125	140		
	1 1/2	40	45	94	39	52	52	1.8	114.5	4	3/4	M20	145	160		
	2	50	56	110	48	62	62	2.8	127.0	8	5/8	M16	155	170		
	2 1/2	65	63	128	62	75	75	4	149.0	8	3/4	M20	175	195		
	3	80	71	147	76	90	90	6	168.5	8	3/4	M20	190	210		
	4	100	80	191	95	112	112	11	216.0	8	7/8	M24	220	240		
	5	125	110	239	110	125	132	25	267.0	8	1	M27	265	285		
	6	150	125	264	127	150	158	32	292.0	12	1	M27	290	310		
	8	200	160	318	165	200	208	52	349.0	12	1 1/8	M30	345	365		
Class900 PN15.0MPa	1/2	15	25	62	15	25	25	0.6	82.5	4	3/4	M20	125	140		
	3/4	20	31.5	69	19	30	30	0.9	89.0	4	3/4	M20	135	150		
	1	25	35.5	77	24	36	36	1.2	101.5	4	7/8	M24	155	170		
	1 1/4	32	40	87	31	43	43	1.5	111.0	4	7/8	M24	160	175		
	1 1/2	40	45	97	39	52	52	2.0	124.0	4	1	M27	175	190		
	2	50	56	140	48	62	62	5.5	165.0	8	7/8	M24	195	210		
	2 1/2	65	63	162	62	75	75	7.5	190.5	8	1	M27	215	230		
	3	80	71	165	76	90	90	8	190.5	8	7/8	M24	210	225		
	4	100	80	204	95	112	112	14	235.0	8	1 1/8	M30	245	260		
	5	125	110	245	110	125	132	27	279.5	8	1 1/4	M33	290	310		
	6	150	125	286	127	150	158	41	317.5	12	1 1/8	M30	310	325		
	8	200	160	356	165	200	208	76	393.5	12	1 3/8	M36	375	390		

WAFER TYPE LIFT CHECK VALVE (GB)

H71型对夹升降式止回阀(国标)

公称压力 Nominal pressure Mpa	公称通径 Nominal diameter mm	尺寸 Dimensions(mm)					重量 Weight (Kg)	配管法兰(供参考)Pipe flange (for reference)							
		L	D	D2	D3	D4		螺栓孔中心 圆直径D1 Bolt hole center Diameter D1		螺孔数量 Screw Quantity		螺孔直径 d Screw diameter d		螺栓长度 L1 Bolt length L1	
								in	mm	RF	RJ	in	mm	RF	RJ
PN1.0MPa PN1.6MPa (长系列 Long series)	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				
PN1.0MPa	200	160	273	165	200	208	28	295	12	M20	260				
PN2.5MPa (长系列 Long series)	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	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	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	M24	285				
PN4.0MPa (长系列 Long series)	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	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				
	150	125	224	127	150	158	19	250	8	M24	245				
	200	160	291	165	200	208	32	320	12	M27	295				

WAFER TYPE LIFT CHECK VALVE (GB)

H71型对夹升降式止回阀(国标)

公称压力 Nominal pressrue Mpa	公称通径 Norminal diameter mm	尺寸 Dimensions(mm)					重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)			
		L	D	D2	D3	D4		螺栓孔中心圆直径D1 Bolt hole center Diameter D1	螺栓数量 Bolt Quantity	螺栓直径d Bolt diameter d	螺栓长度L1 Bolt length L1
PN6.3MPa	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
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
	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

WAFER TYPE LIFT CHECK VALVE (GB)

H71型对夹升降式止回阀(国标)

公称压力 Nominal pressrue Mpa	公称通径 Norminal diameter mm	尺寸 Dimensions(mm)					重量 Weight (Kg)	配管法兰(供参考) Pipe flange (for reference)			
		L	D	D2	D3	D4		螺栓孔中心圆直径D1 Bolt hole center Diameter D1	螺栓数量 Bolt Quantity	螺栓长度L1 Bolt length L1	螺栓长度L1 Bolt length L1
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	85
	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

## TILTING DISC CHECK VALVE

## 斜盘式止回阀

## 用途 Use

斜盘式止回阀采用双偏心阀瓣，关闭时阀座与密封面逐步接触，达到无撞击、无噪声工作。微弹性金属阀座，密封性能好。

Tilting disc check valve adopts the use of bi-eccentric disc which enables the disc touch the seat gradually without noise and slam when closing. Resilient metal seat it used to ensure excellent sealing performance.

## 结构特点 Structure Features

- |                   |  |
|-------------------|--|
| 1. 蝶式阀瓣设计;        | 1. Butterfly type disc design.           |
| 2. 开关迅速、灵敏，使用寿命长; | 2. Quick close and open, long life span. |

## 技术规范 Technical Specifications

设计依据 Design Basis	BS 1868	
设计标准 Design Standard	BS 1868	
结构长度 Face-to-Face	ASME B16.10	
连接端* Connection End	法兰连接 Flanged	ASME B16.5
	对焊连接 Butt-Welding	ASME B16.25
试验和检验 Test and Check	API 598	

\* 阀门连接端的连接法兰标准和对焊端尺寸可按用户要求设计制造。  
The valve connection end standard designed and manufactured according to user requirements.

## 主要零件与材质 Main Parts and Materials

## 常规型 Conventional Type

零件名称 Part Name	碳钢 Carbon Steel		低温碳钢 Low Temp Steel		不锈钢 Stainless Steel	
	GB	ASTM	GB	ASTM	GB	ASTM
左阀体 Body	WCB	A216-WCB	LCB LCC	A352-LCB A352-LCC	CF8 CF8M	A351-CF8 A351-CF8M
阀瓣 Disc	WCB	A216-WCB	LCB LCC	A352-LCB A352-LCC	CF8 CF8M	A351-CF8 A351-CF8M
右阀体 Body	WCB	A216-WCB	LCB LCC	A352-LCB A352-LCC	CF8 CF8M	A351-CF8 A351-CF8M
销轴 Hinge pin	20Cr13	A276-420	20Cr13	A276-420	12Cr18Ni9 00Cr17Ni12Mo2	A276-304 A276-316
中法兰垫片 Bonnet Gasket	F.G/12Cr18Ni9	F.G/304	F.G/12Cr18Ni9	F.G/304	F.G/12Cr18Ni9	F.G/304
中法兰螺栓 Bonnet Stud	35CrMo	A193-B7	12Cr18Ni9	A193-B8	12Cr18Ni9	A193-B8
中法兰螺母 Bonnet Stud Nut	45	A194-2H	12Cr18Ni9	A194-8	12Cr18Ni9	A194-8

H41/H44/H47型 美标系列  
API Series

## H41轴流式止回阀

H41 Axial Flow Check Valve

## H44旋启式止回阀

H44 Swing Check Valve

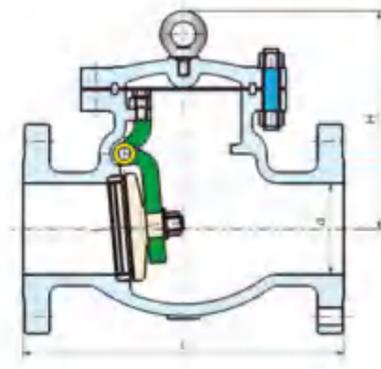
## H47斜盘式止回阀

H47 Tilting Disc Check Valve

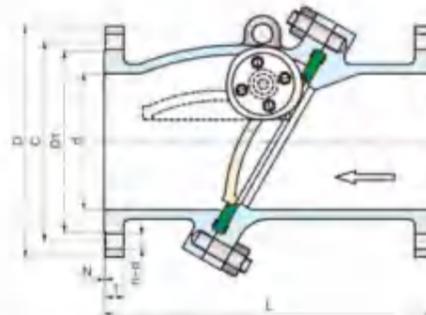


H44/H47 SWING CHECK VALVE (API)

H44/H47旋启式止回阀(美标)



H44旋启式止回阀(美标)  
H44 Swing check valve (API)

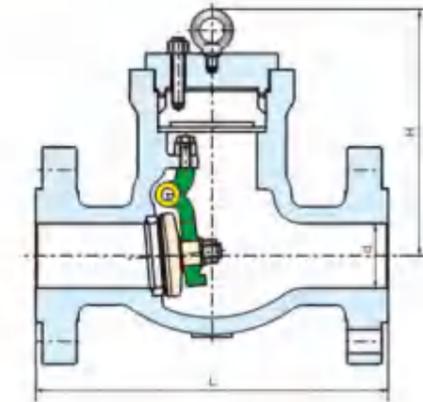
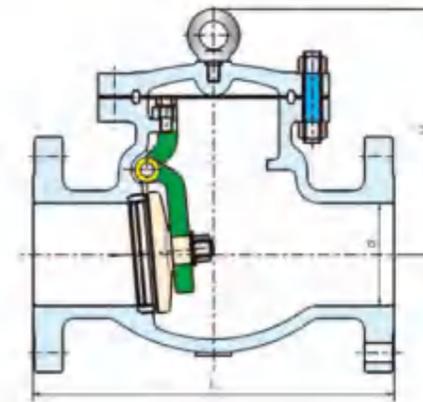


H47斜盘单瓣旋启式止回阀  
Double flanged type tilting disc check

口径 Size		Class 150						Class 300					
NPS	DN	尺寸 Dimensions (mm)				重量 Weight (Kg)	尺寸 Dimensions (mm)				重量 Weight (Kg)		
		RF	RTJ	BW	d		H	RF	RTJ	BW		d	H
2	50	203	216	203	51	132	15	267	283	267	51	144	20
2 1/2	65	216	229	216	64	147	20	292	308	292	64	169	35
3	80	241	254	241	76	176	27	318	333	318	76	210	40
4	100	292	305	292	102	198	45	356	371	356	102	260	61
5	125	330	343	330	127	255	58	400	416	400	127	295	80
6	150	356	368	356	152	320	69	444	460	444	152	326	130
8	200	495	508	495	203	380	131	533	549	533	203	380	190
10	250	622	635	622	254	440	219	622	638	622	254	440	296
12	300	698	711	698	305	480	321	711	727	711	305	520	450
14	350	787	800	787	337	530	380	838	854	838	337	540	640
16	400	864	876	864	387	580	560	864	879	864	387	588	850
18	450	978	991	978	438	618	630	978	994	978	438	670	1030
20	500	978	991	978	489	657	770	1016	1035	1016	483	720	1330
24	600	1295	1308	1295	591	760	960	1346	1368	1346	584	850	1950
26	650	1295	-	1295	633	840	1250	1346	1372	1346	633	920	2300
28	700	1448	-	1448	684	920	1580	1499	1524	1499	684	1150	2600
30	750	1524	-	1524	735	980	1950	1594	1619	1594	735	1260	3200

H44/H47 SWING CHECK VALVE (API)

H44/H47旋启式止回阀(美标)



口径 Size		Class 600						Class 900					
NPS	DN	尺寸 Dimensions (mm)				重量 Weight (Kg)	尺寸 Dimensions (mm)				重量 Weight (Kg)		
		RF	RTJ	BW	d		H	RF	RTJ	BW		d	H
2	50	292	295	292	51	170	28	368	371	368	47	200	48
2 1/2	65	330	333	330	64	178	40	419	422	419	57	220	75
3	80	356	359	356	76	246	68	381	384	381	73	280	95
4	100	432	435	432	102	290	117	457	460	457	98	320	135
5	125	508	511	508	127	320	155	559	562	559	121	360	200
6	150	559	562	559	152	360	192	610	613	610	146	400	264
8	200	660	664	660	200	430	340	737	740	737	190	480	424
10	250	787	791	787	248	502	515	838	841	838	234	560	730
12	300	838	841	838	298	554	750	965	968	965	282	632	1070
14	350	889	892	889	327	595	890	1029	1038	1029	311	680	1180
16	400	991	994	991	375	680	1303	1130	1140	1130	354	780	1790
18	450	1092	1095	1092	419	778	1800	1219	1232	1219	400	880	2500
20	500	1194	1200	1194	464	970	2150	1321	1334	1321	444	1050	3080
24	600	1397	1407	1397	559	1100	3200	1549	1568	1549	533	1200	4600

口径 Size		Class 1500						Class 2500					
NPS	DN	尺寸 Dimensions (mm)				重量 Weight (Kg)	尺寸 Dimensions (mm)				重量 Weight (Kg)		
		RF	RTJ	BW	d		H	RF	RTJ	BW		d	H
2	50	368	371	368	47	210	48	451	454	451	35	230	68
2 1/2	65	419	422	419	57	240	75	508	514	508	47	260	100
3	80	470	473	470	70	303	120	578	584	578	57	330	165
4	100	546	549	546	92	340	180	673	683	673	73	370	260
5	125	673	676	673	111	380	294	794	807	794	92	410	440
6	150	705	711	705	136	430	385	914	927	914	111	460	580
8	200	832	841	832	174	500	634	1022	1038	1022	146	530	970
10	250	991	1000	991	222	590	1140	1270	1292	1270	184	620	1700
12	300	1130	1146	1130	263	660	1650	1422	1445	1422	219	690	2600
14	350	1257	1276	1257	289	710	2000	-	-	-	-	-	-
16	400	1384	1407	1384	330	820	2700	-	-	-	-	-	-

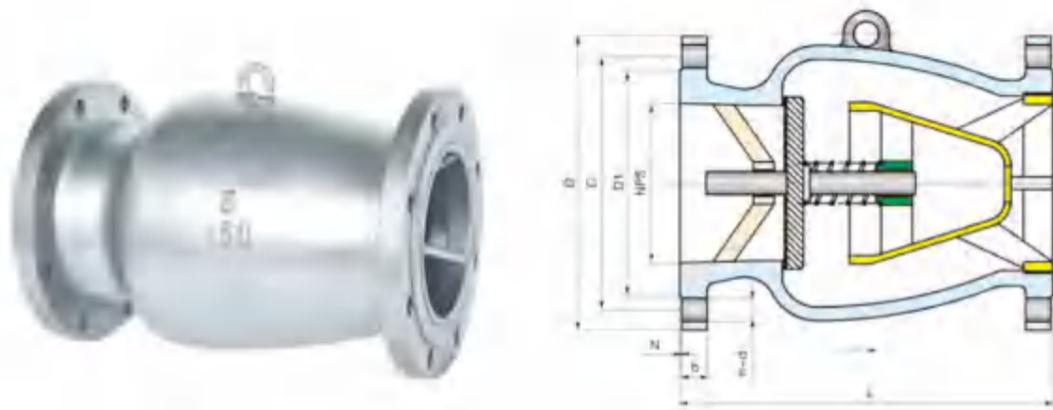
## AXIAL FLOW CHECK VALVE

## 轴流式止回阀

## 用途 Use

轴流式止回阀具有一般止回阀的功能外，它还设计有减震弹簧，具有消声，减震效果。便于用户现场检修，独特的轴流式结构具有流阻小流量大，外形尺寸小等特点，是国内外油气集输管网系统，特别是输油泵出口的优选阀门。它适用于油、气、水浆液等管道系统，防止介质逆流使用。

Except of the general function of check valve, the axial flow check valve has the advantages of small noise and lower impact with the using of a spring. With the axial flowing structure, the valve has characteristic of small fluid resistance, great flow capacity, and small outer dimension which makes this valve a wonderful choice using on the outlet of pump in pipeline system transporting oil and gas. It is used on the pipeline transporting oil, gas, water and etc. For non-return demanding condition.



## 结构特点 Structure Features

1. 单体结构，重量轻，刚性好，便于维护。
2. 弹簧的推力使阀瓣在即使使用无介质压力作用时，也能处理关闭位置。
3. 良好的支承方式使阀门无论处于什么安装位置时阀瓣和阀座均能良好对中，故阀门可任意角度安装。
4. 阀套外形的流线型设计与体腔流线型设计的组合构成了轴流式止回阀流线型通道，精确的计算和设计使流道的过流面积充分且保持一致，压力损失小，流态稳定，无气蚀。阀瓣在介质流动时产生负压及弹簧推力下回座，无介质对阀瓣背面直接冲击；因此，轴流式止回阀是低噪音阀门。
5. 阀瓣前后两端支承和阀瓣轴的特殊表面处理及结构设计，克服了类似阀门使用过程中经常发生的卡阻现象，启闭平稳；同时避免了因重力因素造成阀瓣对中性能差，密封副受力不均，两次动作间密封副吻合部位不一致而影响密封性能的缺陷，使密封副始终处于良好的受力和吻合状态。
6. 精确的设计使用弹簧推力在阀瓣处于关闭位置时略大于阀瓣重力及阀瓣和前后支承间的摩擦力之和，阀瓣既可在低压力及任意安装时回座密封，又能实现低压开启，减低泵启动载荷，保护泵的运行安全。

1. One-piece body, small weight, good strength, and easy maintenance.
2. The thrust force of spring enables the valve stayed in closed position even without the force of medium.
3. Wonderful sealing carrier makes the valve able to be installed at any direction, and the disc can touch the seat sealing perfectly.
4. Axial flow structure and accurate flowing passage enables little pressure loss, stable medium flowing, and non cavitation erosion. The disc returns to the sealing position with the force of spring and sub-pressure caused by medium flowing. So there is no direct impact of the medium onto the back side of the disc. Axial flow check valve is a low-noise type.
5. The special structure and surface treatment of the disc carrier and pin eliminates the phenomenon of valve sticking. It can close and open evenly to avoid the common defects of disc can not stay in the center of sealing position because of the gravity of disc. So the valve has wonderful and lasting sealing effect.
6. In closed position, and accurate design makes the thrust force of spring is a little bigger than the force of disc's gravity plus the friction force between disc and sealing ring. And the disc can return to its sealing position under low pressure despite of any installation position so as to protect the operation of pump.

## AXIAL FLOW CHECK VALVE

## 轴流式止回阀

## 技术规范 Technical Specifications

设计依据 Design Basis	GB	API/ASME
设计标准 Design Standard	GB/T 21387	API 6D ASME B16.34
结构长度 Face-to-Face	GB/T 12221	API 6D ASME B16.10
连接端* Connection End	法兰连接 Flanged	GB/T 9113 ASME B16.5
抗硫材料要求 Materials	NACE MR0175	
试验和检验 Test and Check	GB/T 26480	API 598

\* 阀门连接端的连接法兰标准和对接端尺寸可按用户要求设计制造。  
The valve connection end standard designed and manufactured according to user requirements.

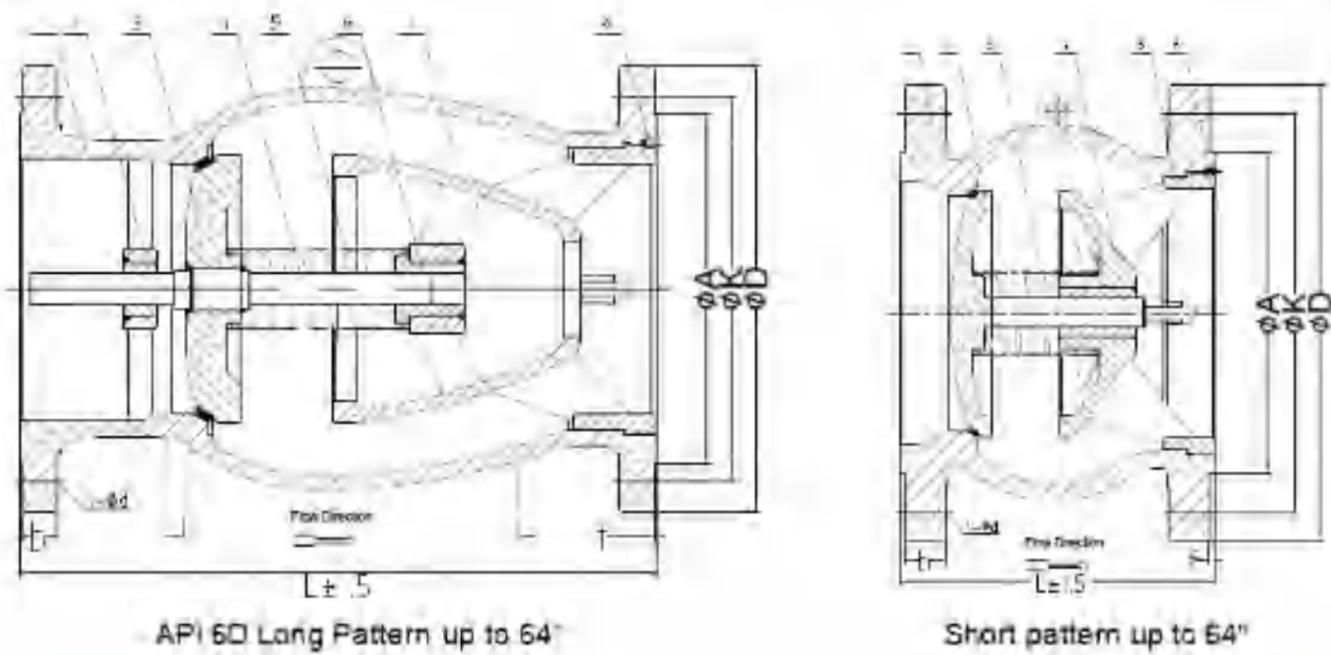
## 主要零件与材质 Main Parts and Materials

## 常规型 Conventional Type

零件名称 Part Name	碳钢 Carbon Steel		低温碳钢 Low Temp Steel		不锈钢 Stainless Steel	
	GB	ASTM	GB	ASTM	GB	ASTM
阀体 Body	WCB	A216-WCB	LCB LCC	A352-LCB A352-LCC	CF8 CF8M	A351-CF8 A351-CF8M
阀瓣 Disc	WCB	A216-WCB	LCB LCC	A352-LCB A352-LCC	CF8 CF8M	A351-CF8 A351-CF8M
导向装置 Guiding part	WCB	A216-WCB	LCB LCC	A352-LCB A352-LCC	CF8 CF8M	A351-CF8 A351-CF8M
轴套 Sleeve	12Cr18Ni9	SS304	12Cr18Ni9 00Cr17Ni12Mo2	SS304	12Cr18Ni9 00Cr17Ni12Mo2	SS304 SS316
弹簧 Spring	SS304, SS316, Inconel X-750					

**NOZZLE CHECK VALVE/AXIAL CHECK VALVE**

轴流式止回阀



**NOZZLE CHECK VALVE/AXIAL CHECK VALVE**

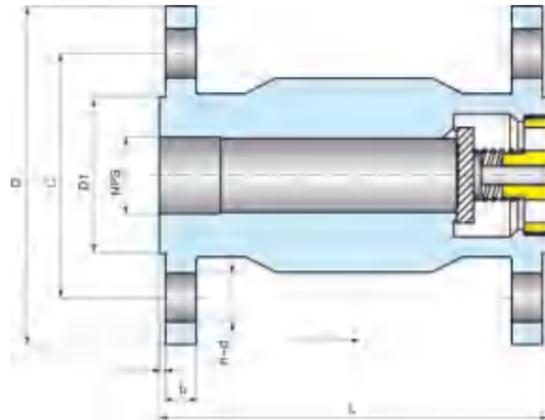
轴流式止回阀

Size	150LB		300LB		600LB		900LB		1500LB		2500LB	
	Long (mm)	Short (mm)										
3/4	117	80	117	80	117	80	117	80	117	80	117	80
1	127	85	127	85	127	85	127	85	127	85	127	85
1-1/2	165	120	165	120	165	120	165	120	165	120	165	120
2	203	130	203	130	292	130	371	200	371	200	454	200
2-1/2	216	160	216	160	330	160	422	230	422	230	514	230
3	241	180	241	180	365	180	384	260	473	290	584	260
4	292	200	292	200	432	200	460	300	549	330	683	300
6	356	270	356	270	559	270	613	390	711	418	927	390
8	495	330	495	330	660	330	740	480	841	464	1038	480
10	622	370	622	350	787	350	838	530	1000	522	1292	584
12	698	350	698	350	838	375	965	580	1146	582	1445	652
14	787	405	787	405	889	440	1029	630	1276	628		
16	914	455	914	455	991	500	1130	668	1407	682		
20	978	570	978	570	1194	565	1321	728	1686	794		
24	1295	685	1295	685	1397	745	1130	668	1972	872		
28	1448	800		800		870		860				
32		910		910		990		925				
36	1956	1030		1030		1120		1050				
40		1135		1135		1240		1185				
42		1195		1195		1300		1250				
48		1365		1365		1485		1450				
54		1530		1530		1670						
56		1600		1600		1730						
60		1710	2159	1710		1855						
64		1710		1850								



AXIAL FLOW CHECK VALVE

轴流式止回阀



口径 Size		CLASS 150		PN10/16/25	CLASS 300		PN40
NPS	DN	L		L	L		L
		RF/BW	RTJ		RF/BW	RTJ	
1/2	15	108	108	80	152	152	80
3/4	20	117	117	80	178	178	80
1	25	127	127	85	216	216	85
1 1/4	32	140	140	110	229	229	110
1 1/2	40	165	165	120	241	241	120

口径 Size		CLASS 150		PN100	CLASS 300		PN160
NPS	DN	L		L	L		L
		RF/BW	RTJ		RF/BW	RTJ	
1/2	15	165	165	90	216	216	110
3/4	20	190	190	90	229	229	110
1	25	216	216	100	254	254	120
1 1/4	32	229	229	120	279	279	140
1 1/2	40	241	241	130	305	305	160

口径 Size		CLASS 1500		CLASS 2500	
NPS	DN	L		L	
		RF/BW	RTJ	RF/BW	RTJ
1/2	15	216	216	264	264
3/4	20	229	229	273	273
1	25	254	254	308	308
1 1/4	32	279	279	349	349
1 1/2	40	305	305	384	384

WAFFER CHECK VALVE MODEL METHODOLOGY

对夹式止回阀型号编制方法



单元号 Unit number	含义 Meaning	各单元代号及说明 Code and description of each unit	
1	专用功能 Special features	H-带阻尼缓闭机构; N-有抗硫要求 (NACE) 的阀门; 没有专用功能省略本单元 H-slow closing mechanism with damping; N-has anti-sulfur requirements (NACE) of the valve; no special features omitted, the unit	
2	阀门类型 Valve type	H	
3	传动方式 Actuated Type	止回阀省略本单元 Check valve is omitted the unit	
4	连接形式 Connection Type	7-对夹连接; 7J-对夹连接, 环连接面; 4-法兰连接; 4J-法兰连接, 环连接面 7 - wafer; 7J-wafer, ring joint surface; 4 - flange connection; 4J-flange connection, ring joint face	
5	结构形式 Construction Type	1-升降式; 6-双瓣旋启式 1 - Lift; 6 - double disc swing	
6	密封面材料 Sealing Face	H-13Cr/13Cr; W-本体材料; Y-不锈钢/硬质合金; M-蒙乃尔合金; E-硬质合金/硬质合金; A-20号合金; T-铜合金; X-丁腈橡胶; F-聚四氟乙烯; S-氟橡胶; K-EPDM三元乙丙橡胶; G-硅橡胶 H-13Cr/13Cr; W-body materials; Y-stainless steel / carbide; M-Monel; E-carbide / carbide; A-20 号 alloy; T-copper alloy; X-nitrile rubber; F-PTFE; S-fluorine rubber; K-EPDM ethylene propylene diene monomer; G-silicone rubber	
7	压力级 Pressure level	公称压力 (欧洲体系) Nominal (European system)	6-PN0.6MPa; 10-PN1.0MPa; 16-PN1.6MPa; 25-PN2.5MPa; 40-PN4.0MPa; 63-PN6.3MPa; 100-PN10.0MPa; 1 60-PN16.0MPa; 250-PN25.0MPa
		公称压力(美洲体系) Nominal(Inter- American System)	20-PN2.0MPa; 50-PN5.0MPa; 110-PN11.0MPa; 150-PN15.0MPa; 260-PN26.0MPa; 420-PN42.0MPa
		磅级 Pound	A1-Class150; A3-Class300; A4-Class400; A6-Class600; A9-Class900; A15-Class1500; A25-Class2500
		JIS K级 JIS K-class	K1-JIS 10K; K2-JIS 20K
8	阀体材料 Body Material	C-WCB, A105; C6-WC6, F11; C9-WC9, F22; CL-LCB, LF1; P8-CF8, 304; P3-CF3, 304L; R8-CF8M, 316; R3-CF3M, 316L; P-ZG1Cr18Ni9Ti, 1Cr18Ni9Ti; R-ZG1Cr18Ni12Mo2Ti, 1Cr18Ni12Mo2Ti; Ti-钛及钛合金; T-铜及铜合金	
9	内件材料 Trim materials	用户没有特殊 要求, 省略本代号 User does not have special Requirements of this code is omitted	P8-304; P3-304L; R8-316; R3-316L; M-Monel; A-20号合金; T-铜合金; Ti-钛及钛合金 A-20 alloy; T-copper alloy; Ti-titanium and titanium alloy
10	弹簧材料 Spring material		P8-304; P3-304L; R8-316; R3-316L; N6-Inconel 600; N7-Inconel 750
11	辅助标记 Auxiliary marker	一般情况下 省略本代号 Under normal circumstances The code is omitted	L-PN1.0~PN4.0MPa长系列对夹升降式止回阀; D-PN16.0MPa压力级, 采用GB/T9112~9124, HG 20592~20614, DIN 2543~2548法兰标准的止回阀; T-采用凸耳对夹连接结构的双瓣旋启式止回阀 L-PN1.0 ~ PN4.0MPa a long series of valve lift on the folder; D-PN16.0MPa pressure level, the use of GB/T9112 ~ 9124, HG 20592 ~ 20614, DIN 2543 ~ 2548 standard check valve flange; T-lug on the wafer using the structure of the double disc swing check valve

WAFER CHECK VALVE SELECTION AND ORDERING INFORMATION

对夹式止回阀的选用及订货须知

1、公称尺寸大于等于DN100MM(NPS4)，以选用H76型对夹双瓣旋启式止回阀为宜，可有效减小止回阀的流体阻力损失；公称尺寸小于等于DN80MM(NPS3)，以选用H71型对夹升降式止回阀为宜。

Nominal size greater than or equal DN100mm (NPS4), to use H76 double disc wafer type swing check valve is appropriate, the check valve can effectively reduce the loss of fluid resistance: Nominal size less than or equal DN80mm (NPS3) to use H71-type wafer lift check valve is appropriate.

2、公称尺寸小于等于DN100mm(NPS4)的H71型对夹升降式止回阀由于结构小巧，另外考虑到加工制造工艺，一般不生产碳钢止回阀，建议用户选用不锈钢对夹升降式止回阀。

Nominal size of less than or equal DN100mm (NPS4) of the H71-type wafer lift check valve as compact, while taking into account the manufacturing process, generally does not produce carbon steel check valve, the user is made of stainless steel lift check valve Wafer .

3、我公司可以生产凸耳对夹双瓣旋启式止回阀，但订货时应注明。一般建议用户选用常规对夹式止回阀，这样用户可以节约费用、缩短交货期，而且常规对夹式止回阀与凸耳对夹式止回阀的使用性能完全相同。凸耳对夹式止回阀有如下几种结构，如果用户没有特殊要求，结构形式一般由本公司根据制造工艺确定。一般法兰螺栓孔数量小于等于12个的凸耳采用花法兰，法兰螺栓孔数量大于等于16个的凸耳采用圆法兰，锻钢阀体一般采用实心圆法兰。

We company Lug wafer can produce double-disc swing check valve, but the order should be specified. Generally recommend that users use conventional wafer type check valve, so that users can save costs, shorten delivery time, and the conventional wafer type check valve and lug wafer type check valve performance identical. Lug Wafer Check Valve There are several structures, if the user does not have special requirements, structure generally determine the Company under the manufacturing process. Generally less than or equal the number of flange bolt holes 12 lugs with flowers flange, flange bolt hole number greater than or equal to 16 lugs with a round flange, forged steel valve flange generally use solid round.



花法兰 Flowers flange



圆法兰 Round Flange



实心圆法兰 Real Round Flange

4、部分双瓣旋启式止回阀可以采用双法兰结构设计（H46型），可以采用双法兰结构设计的止回阀规格见下表，由于受阀门结构长度的限制，部分规格的阀门无法采用双法兰结构的设计。

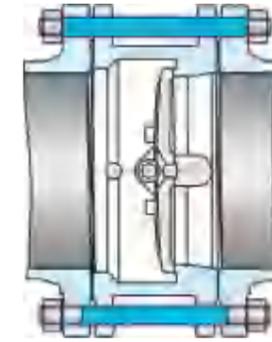
Part of the double disc swing check valves dual flange design (H46 type), you can double check valve flange design specifications of the table below, the length of the valve structure due to the restrictions, some of the specifications of the valve door can not be dual-flange structural design.

可以采用双法兰结构设计的双瓣旋启式止回阀规格范围  
Double flange design can double valve Swing Check Valve Size Range

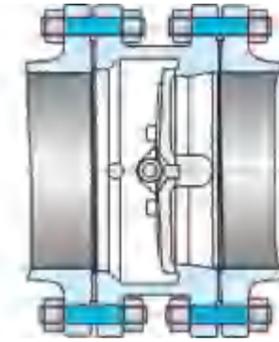
压力级 Pressure	Class 150 PN20	Class 300 PN50	Class 600 PN110	Class 900 PN150	PN10 PN16	PN25	PN40	PN63	PN100
口径范围 Diameter range	≥NPS6 ≥DN150	≥NPS8 ≥DN200	≥NPS10 ≥DN250	≥NPS10 ≥DN250	≥DN125	≥DN200	≥DN200	≥DN150	≥DN250

WAFER CHECK VALVE SELECTION AND ORDERING INFORMATION

对夹式止回阀的选用及订货须知



凸耳对夹双瓣旋启式止回阀与管道法兰的连接  
Lug wafer double disc swing check valve and pipe flange connection



双法兰连接双瓣旋启式止回阀与管道法兰的连接  
Double valve double flanged swing check valve and the pipe flange connection

5、凸耳对夹双瓣旋启式止回阀的凸耳法兰仅仅起定位作用，凸耳不承受螺栓力，因此凸耳法兰的厚度不是按标准法兰的厚度设计，通常凸耳法兰的厚度小于标准法兰的厚度。而双法兰接双瓣旋启式止回阀的法兰承受螺栓力，其法兰厚度按法兰标准设计。

Lug wafer double disc swing check valve's lug positioning flange only from the role of lug bolts do not bear the force, so the thickness of the flange lugs are not at the standard thickness of flange design, usually lug flange thickness is less than the thickness of standard flanges. And then double-valve double flanged swing check valve flange bolt force to bear, the flange thickness at the flange standard design.

6、公称压力PN1.0MPa、PN1.6MPa、PN2.5MPa及PN4.0MPa的对夹升降式止回阀有两种结构长度系列。采用短系列止回阀价格较低，但止回阀与管道法兰之间可能需要采用非标准的连接垫片，如果采用长系列止回阀，可以配制标准法兰垫片。

Nominal PN1.0MPa, PN1.6MPa, PN2.5MPa and PN4.0MPa the wafer lift check valve, there are two structural length series. Check valve with a short series of lower prices, but between the valve and pipe flange connection may need to use non-standard pads, if we adopt a long series of check valves, can be prepared the standard flange gasket.

7、为了方便用户的使用，本公司可提供对夹式止回阀的配套法兰、垫片、连接螺栓及螺母，但用户需要在订货时注明。

In order to facilitate the use of user, the company provides wafer type check valve supporting flanges, gaskets, bolts and nuts, but users need to specify when ordering.

8、典型产品可按样本中所列型号进行订货，其它产品可按本样本型号编制方法确定型号订货，如还有特殊要求，请在订货合同中予以说明。

Typical products according to the models listed in the order samples, and other products can be identified in this type of model for the sample order, as well as special requirements, please be stated in the contract.