

**Technical specification**

Structural formation	Dual-disc swing type check valve
Design standard	API 594
Face to face	ASME B16.0
Flanged ends	ASME B16.5
Test & inspection	API 598

Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

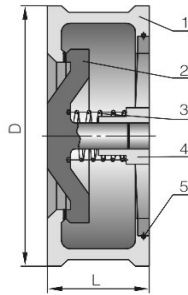
**Major parts material form**

No.	Part name	Material
1	Body	ASTM A216-WCB, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
2	Disc	ASTM A216-WCB, ASTM A351-CF8, CF8M, CF8C, CF3, CF3M
3	Pivot	ASTM A182 Gr.F6a, ASTM A182 F22, ASTM A182-F304, F316, F321, F304L, F316L
4	Spring	AISI 9260, AISI 6150, ASTM A182-F304, F316, F321, F304L, F316L

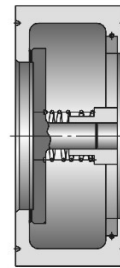
**Main size of outside & weight**

Model: H76H, H76Y

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



Class150~300



≥Class600

**Technical specification**

Structural formation	Butt-clamped lifting vertical type check valve
Design standard	API 594
Face to face	ASME B16.10
Flanged ends	ASME B16.5
Test & inspection	API 598

Notes: The sizes of valve connecting flange and butt-welding terminas can be designed according to customer's requirement.

**Major parts material form**

No.	Part name	Material
1	Body	ASTM A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
2	Disc	ASTM A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
3	Spring	AISI 9260、AISI 6150、ASTM A182-F304、F316、F321、F304L、F316L
4	Plate	ASTM A216-WCB、ASTM A351-CF8、CF8M、CF8C、CF3、CF3M
5	Lock ring	AISI 9260、AISI 6150、ASTM A182-F304、F316、F321、F304L、F316L

**Main size of outside & weight**

Model: H72H、H72Y

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