KOFLOW

CHECK VALVE SERIES

43-71P

FIGURE NUMBER SYSTEM

Check Valve Figure Number System

1	Size	Xxin; xx, mm					
2	Operation type	Not suitable					
3	Valve Type	H-Check Valve					
4	Pressure	0-PN10	1-PN16 class150	2-PN25	3-class300	4-PN40 class400	6-PN64 class600
		9-class900	10-PN100	15-class1500	16-PN160	20-PN200	25-class2500
5	Connection Ends	RF-Raised Face	FF Flat Face	MFM Male and Female Face	TG Tongue and Groove face		
		RJ Ring Joint	BW Buttweld	WF-Wafer Type			
6	Structure Type	1-Lift Type	4-Single Disc Swing type	6-Double Disc Swing type	7-Tilting Disc Type		
7	Basic Material	C-WCB	C-C5	C6-WC6	C9-WC9	BL-LCB	CL-LCC
		8-CF8	8M-CF8M	3-CF3	3M-CF3M	ML-MONEL	
8	Material of Seat face or Liner	H-Cr13 S.S		E-18-8 S.S		R-Mo2Ti S.S	
		D- nitriding steel		M- Monel Alloy		Y-Stellited	

Note:

1、Use "W" to express seat sealing surface material which is processed directly by valve body.

2、When the materials of sealing surface are different, use low hardness material symbol to express

3、Special Requirements not shown ,should be indicated in the purchase order

4、The models listed in the sample book have no reference to pressure、sizes and valve material symbols, they are to be decided by users.

For example

8〃-H1RF4CH

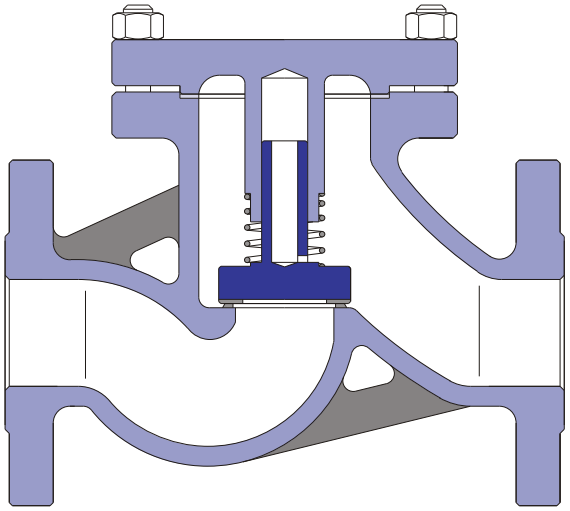
Check valve, 8〃ANSI CLASS150, Raised Face Ends, Single Disc Swing type, Body&Bonnet&Disc Cast Steel WCB, Seat sealing face material 13Cr

50-H2WF68W

Check valve, DN80 PN25, Wafe type, Double Disc Swing type, Body&Bonnet&Disc Stainless Steel CF8, Seat sealing face Body machined.

LIFT TYPE CHECK VALVE

Design of Lift Type Check Valve



Lift Type Check valve Product Line

Size DN	Pressure				
	PN16	PN25	PN40	PN64	PN100
32			*	*	*
40			*	*	*
50	*	*	*	*	*
65	*	*	*	*	*
80	*	*	*	*	*
100	*	*	*	*	*
125	*	*	*	*	*
150	*	*	*	*	*
200	*	*	*	*	*

For sizes and classes not shown,please contact our Sales Department

Material List of Lift Type Check Valve（GB Standard Material）

No.	Part Name	Carbon Steel	Stainless Steel	Alloy Steel	Low Temperature Steel
1	Body	WCB	CF8	WC6	LCB
2	Disk	WCB	CF8	WC6	LCB
3	Gasket	Ss304	Ss304	Ss304	Ss304
4	Bonnet	WCB	CF8	WC6	LCB
5	Stud	35CrMoA	0Cr18Ni9(304)	35CrMoA	0Cr18Ni9(304)
6	Nut	35#	0Cr18Ni9(304)	35CrMoA	0Cr18Ni9(304)
7	Spring	60SI2Mn	0Cr18Ni9（304）	0Cr18Ni9（304）	0Cr18Ni9(304)

Remark:

1、Select different materials for different working temperature and media

2、Commonly-used trim materials and service temperature referred to Appendix Ⅶ

Technical Specification

Design Standard		GB/T 12235				
Pressure-Temperature Rating		GB/T 12224				
Face-Face		Factory Standard				
Flange Ends		GB/T9113 、JB/T79				
Inspection &Test		JB/T9092 、GB/T13927				
Test Pressure	Norminal Pressure	PN1.6	PN2.5	PN4.0	PN6.4	PN10.0
	Shell Test	2.4	3.75	6.0	9.6	15.0
	High Pressure Seal Test	1.76	2.75	4.4	7.04	11.0
	Low Pressure Seal Test	0.6				

LIFT TYPE CHECK VALVE

Pressure:PN1.6 ~ PN10.0

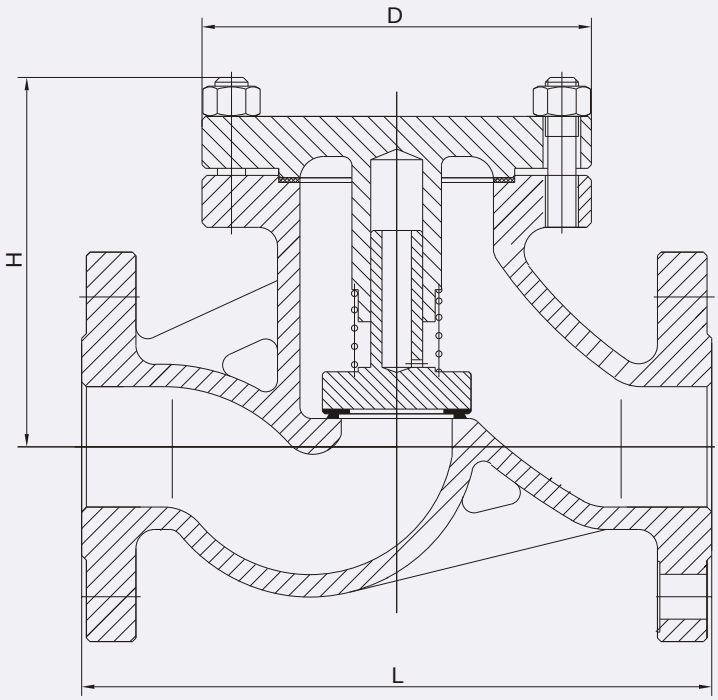


Fig.HRF1

Main Dimensions & Weight

Pressure	Size (mm)	DN	32	40	50	65	80	100	125	150	200
PN1.6	Main Dimension	LRF	180	200	230	290	310	350	400	480	600
		D	130	150	160	175	200	235	285	300	400
		H	120	140	115	140	170	200	230	255	285
	Weight(kg)		-	-	19	24	29	40	58	83	100
	Cv		-	-	-	-	105	189	381	428	798
PN2.5	Main Dimension	LRF	180	200	230	290	310	350	400	480	600
		D	130	150	160	175	200	235	285	320	400
		H	120	140	115	140	170	200	232	262	285
	Weight(kg)		-	-	19	24	29	40	72	104	145
	Cv		-	-	-	-	105	189	381	428	798
PN4.0	Main Dimension	LRF	180	200	230	290	310	350	400	480	600
		D	130	150	160	180	200	235	265	320	400
		H	120	140	150	160	175	200	225	262	315
	Weight(kg)		9	12	15	20	33	41	73	104	147
	Cv		-	-	-	-	105	189	381	428	798
PN6.4	Main Dimension	LRF	230	260	300	340	380	430	500	550	600
		D	140	160	175	200	230	250	300	340	410
		H	162	168	170	188	205	230	265	310	350
	Weight(kg)		12	20	29	35	47	68	100	142	195
	Cv		-	-	-	-	105	189	381	428	798
PN10.0	Main Dimension	LRF	230	260	300	340	380	430	500	550	600
		D	140	160	175	200	230	250	300	350	430
		H	140	155	170	190	235	265	310	350	400
	Weight(kg)		12	20	29	42	63	88	100	120	145
	Cv		-	-	-	-	105	189	381	428	798