YOUFUMI

PLASTIC VALVE

F 145 - 158

The Empire Solutions
For Global Industrial Flow Control

Plastic Butterfly Valve

※Product Description

- Appearance structure of plastic butterfly valve is compact and light weight for easy installation.
- The material is non-toxic and corrosion and abrasion resistance.
- Applicable flow: water, air, oil, corrosive chemical liquid.
- It used in water, discharge and sewage pipeline system, salt water and sea water pipeline system, acid-base and chemical solution system etc.

PVDF Butterfly Valve

※Working Temperature

- RPP: -14°C-90°C
- PVDF: -40°C-140°C
- CPVC: -20°C-95°C
- UPVC:-14°C-80°C

FRPP Butterfly Valve

Plastic Butterfly Valve

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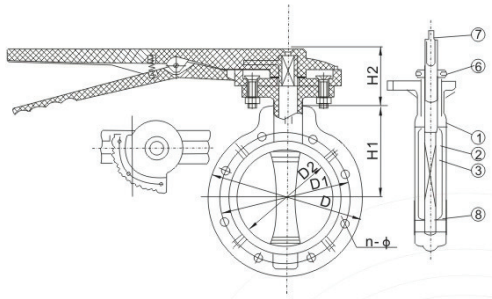

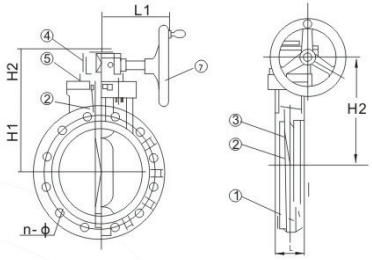

O-ring

EPDM, FRM

※Material Specification

No.	Name	Material	No.	Name	Material
1	Body	RPP.PVDF.CPVC.UPVC	5	Locating plate	1Cr18Ni9Ti, Steel, Cast Iron
2	Disc	RPP.PVDF.CPVC.UPVC	6	Lever	ABS, RPP
3	Stem	SS304	7	Bolt	RPP, PVDF
4	Worm Gear	Ductile Iron	8	Seat	EPDM.FRM

GB/JIS/DIN/ANSI

Unit:mm

DN	D	Size														Opeartion
		D1			D2	L1	L	H1	H2	n– ϕ	Working Pressure MPa	Weight (kg)				
		JIS	DIN	ANSI								RPP	PVDF	CPVC	UPVC	
25	135	80	85	3.80	35	200	35	90	70	4-14	0.7	1.1	1.3	1.25	1.2	Lever
32	135	95	100	3.80	35	200	35	90	70	4-18	0.7	1.1	1.3	1.25	1..2	
40	150	105	110	3.88	47	200	39	86	70	4-18	0.7	1.2	1.5	1.4	1.3	
50	160	120	125	4.75	56	220	40	88	70	4-18	0.7	1.3	1.6	1.5	1.4	
65	185	140	145	5.50	71	220	46	100	70	4-18	0.7	1.4	1.7	1.6	1.5	
80	195	150	160	6.00	85	280	46	105	85	8-18	0.7	1.75	2.1	2	1.9	
100	215	175	180	7.50	105	280	54	118	85	8-18	0.6	2.1	2.5	2.4	2.3	
125	250	210	210	8.50	131	300	70	163	93	8-18	0.5	3.9	4.3	4.2	4.1	
150	285	240	240	9.50	153	300	74	176	93	8-22	0.5	4.4	5.2	5	4.8	
200	295	295	290	11.75	204	340	97	210	93	8-22	0.4	14	18	17	15.8	Gear Box
250	350	350	355	14.25	255	395	114	240	93	12-22	0.3	14	22	20.7	19.5	
300	400	400	400	17.00	307	445	114	270	93	12-22	0.3	21	30	28	25.5	
350	460	460	445	18.75	358	505	127	300	93	16-22	0.3	23	35	32.8	30	
400	515	515	510	21.25	389	580	140	350	108	16-22	0.3	33	44	41	38	
450	565	565	565	22.75	446	615	152	370	108	20-26	0.2	50	65	61	56.5	
500	620	620	620	25.00	494	670	152	400	108	20-26	0.2	70	91	85	79	
600	725	725	730	29.50	590	780	178	465	108	20-30	0.2	100	125	118	111	

Plastic Ball Valve

※Product Description

- All parts adapt the RPP or PVDF by injection molding, with good corrosion resistant performance.
- Flexible rotation, convenient operation. One-piece ball valve has little leakage point, high strength. It is used only for cutting off and through-flow, not suitable for flow regulation.
- When the two ends connected to pipeline, the bolts should be tightened evenly, to avoid the flange deformation and cause leakage. Rotating the lever in clockwise direction as closing, otherwise it is open.
- It is applicable for water, air, oil, corrosive chemical liquid application.

FRPP Ball Valve

※Working Temperature

- RPP: -14°C-90°C
- PVDF: -40°C-140°C
- CPVC: -20°C-95°C
- UPVC:-14°C-80°C

PVDF Ball Valve

Three Pieces Ball Valve

Plastic Ball Valve

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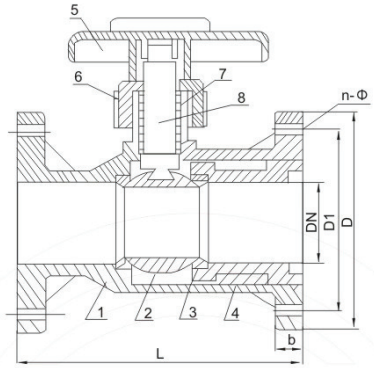
One-piece Flange Type Ball Valve



※Material Specification

No.	Name	Material	No.	Name	Material
1	Body	RPP, PVDF, ABS, CPVC	5	Hand wheel	ABS
2	Ball	RPP, PVDF, ABS, CPVC	6	Bolt & nut	RPP, PVDF, PPH, ABS, UPVC, CPVC
3	Sealing ring	PTFE	7	Sealing	PTFE
4	Inner plunger	RPP, PVDF, ABS, CPVC	8	Stem	RPP, PVDF, PPH, ABS, UPVC, CPVC

GB/JIS/DIN/ANSI

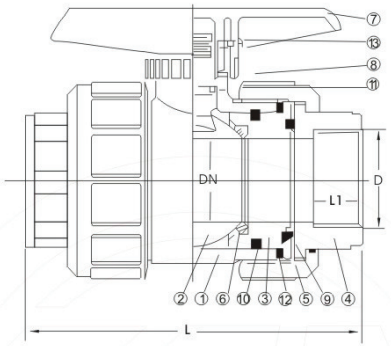
Unit:mm

DN	D	D1				L	b	Size													
								n				Φ				Working Pressure (MPa)		Weight(kg)			
		GB	JIS	DIN	ANSI			n	JIS	DIN	ANSI	Φ	JIS	DIN	ANSI	PVDF	RPP	RPP	PVDF	CPVC	UPVC
15	95	65	70	65	60	120	14	4	4	4	4	14	15	14	0.63	1.0	1.0	0.39	0.67	0.6	0.54
20	105	75	75	75	70	120	16	4	4	4	4	14	15	14	0.63	1.0	1.0	0.42	0.72	0.65	0.58
25	115	85	90	85	80	140	16	4	4	4	4	14	19	14	0.63	1.0	1.0	0.55	0.94	0.84	0.75
32	135	100	100	100	89	144	16	4	4	4	4	18	19	14	0.63	1.0	1.0	0.85	1.45	1.3	1.16
40	145	110	105	110	98	163	16	4	4	4	4	18	19	18	0.63	1.0	1.0	1	1.75	1.57	1.4
50	160	125	120	125	120	188	18	4	4	4	4	18	19	18	0.75	1.0	1.0	1.32	2.25	2	1.8
65	180	145	140	145	140	220	22	4	4	4	4	18	19	18	0.75	1.0	1.0	1.9	3.2	2.9	2.6
80	195	160	150	160	152	240	25	4	8	8	4	18	19	18	0.75	1.0	1.0	2.4	4.1	3.7	3.3
100	215	180	175	180	190	275	25	8	8	8	8	18	19	18	0.75	1.0	1.0	3.6	6.1	5.5	4.9
125	245	210	210	210	216	360	30	8	8	8	8	18	23	18	0.87	0.8	0.8	5.9	10	9	8
150	280	240	240	240	240	362	30	8	8	8	8	23	23	23	0.87	0.8	0.8	7.4	12.6	11.2	10
200	335	295	290	295	298	400	35	8	12	8	8	23	23	23	0.87	0.8	0.8	12	21	18	16
250	395	350	355	350	362	500	38	12	12	12	12	23	23	23	0.87	0.8	0.8	18	32	29	27

Note: Size above DN200 is gear box operated.

Plastic Ball Valve

SW ball valve

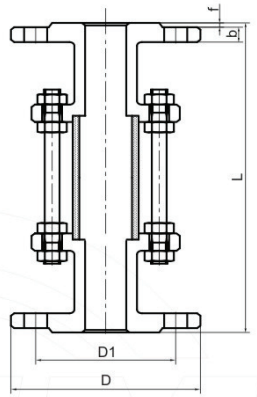


※Material Specification

No.	Name	Material	No.	Name	Material
1	Body	RPP,PVDF,ABS,CPVC	8	Stem	RPP,PVDF,ABS,CPVC
2	Ball	RPP,PVDF,ABS,CPVC	9	O-ring	EPOM,FPM
3	Compressor	RPP,PVDF,ABS,CPVC	10	O-ring	EPOM,FPM
4	Screwed joint	RPP,PVDF,ABS,CPVC	11	O-ring	EPOM,FPM
5	Tighten nut	RPP,PVDF,ABS,CPVC	12	Sealing ring	PTFE
6	Sealing ring	PTFE	13	Screw	Metal
7	Lever	ABS.			

DN	Size(mm)			Worging Pressure (MPa)	Weight(kg)			
	D	L	L1		RPP	PVDF	CPVC	UPVC
15	20	100	15	1.0	0.18	0.3	0.28	0.25
20	25	120	17	1.0	0.19	0.32	0.29	0.26
25	32	135	20	1.0	0.27	0.46	0.41	0.37
32	40	150	23	1.0	0.42	0.72	0.65	0.58
40	50	170	25	1.0	0.67	1.15	1	0.92
50	63	200	28	1.0	1.07	1.83	1.64	1.47
65	75	215	32	1.0	1.45	2.5	2.2	2
80	90	265	35	1.0	2.4	4.2	3.7	3.3
100	110	360	45	1.0	4	6.8	6.1	5.5

Plastic Sight Glass



Technical Specification

Body Material	PP, RPP, FRTP, PVDF
Pressure	DN15~DN25=1MPa, DN65~DN250=0.4MPa
Temperature Range	RPP:-14~90 °C, FRTP:20~125 °C, PVDF: -40~140 °C
Application	It observes that facility medium vertically or horizontally by sight glass (Level mirror)

GB/JIS/DIN/ANSI

Unit:mm

DN	D1				D				L	T
	JIS	DIN	ANS	BS	JIS	DIN	ANS	BS		
15	70	65	2.38	2.62	95	95	3.50	3.75	176	12
20	75	75	2.76	2.88	100	105	3.86	4.00	174	14
25	90	85	3.13	3.25	125	115	4.25	4.50	218	14
32	100	100	3.50	3.43	135	140	4.61	4.75	218	16
40	105	110	3.88	3.88	140	150	5.00	5.25	220	16
50	120	125	4.74	4.50	155	165	5.98	6.00	220	16
65	140	140	5.89	5.00	175	185	7.00	6.50	240	18
80	150	160	6.00	5.75	185	200	7.52	7.25	238	18
100	175	180	7.50	7.00	210	220	9.02	8.50	274	20
125	210	210	8.50	8.25	250	250	10.00	10.00	375	20
150	240	240	9.51	9.25	280	285	10.98	11.00	390	22
200	290	295	11.75	11.50	330	340	13.50	13.25	420	25
250	355	350	14.25	14.00	400	395	15.98	16.00	445	28

Plastic Diaphragm Valve

※Product Description

- Light valve weight, strong anti-corrosion, easy disassembly and maintenance.
- It is applicable for convey, cut-off, flow regulation of corrosive medium. All parts adapt the RPP or PVDF by injection molding, with good corrosion resistant performance. It is screw lifting structure and has good operational stability. It can replace the stainless steel valve. Sealing diaphragm adapts the FEP or PFA, of which the folding number is more than 1200 times.
- It is widely used in water, air, oil, corrosive chemical liquid application.

FRPP Diaphragm Valve

※Working Temperature

- RPP: -14°C-90°C
- PVDF: -40°C-140°C
- CPVC: -20°C-95°C
- UPVC:-14°C-80°C

PVDF Diaphragm Valve

Plastic Diaphragm Valve

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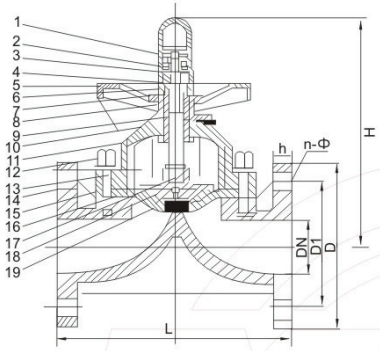
※Material Specification



No.	Name	Material	No.	Name	Material
1	Stud	Steel, stainless steel	11	Bearing	Steel, stainless steel
2	Indicator	Steel	12	Nut	Steel copper, stainless steel
3	Limited cover	PC.AS	13	Stud	Steel copper, stainless steel
4	Gasket	Steel, stainless steel	14	Body	RPP, PVDF, ABC. CPVC
5	Hand wheel	ABS	15	Film	EPDM.IIR
6	Tighten nut	Steel, stainless steel	16	Diaphragm	FEP, PFA, PVDF, PTFE
7	Lined ring	PP	17	Pin	Steel, stainless steel
8	Stem nut	Steel copper Ht300 steel	18	Disc	Cast iron, glass steel C.I, FRP
9	Stem	Steel, stainless steel	19	Diaphragm	FEP
10	Bonnet	RPP, PVDF, ABS, CPVC			

GB/JIS/DIN/ANSI

Unit:mm

DN	D	D1				L				n						Φ			
		GB	JIS	DIN	ANSI	L	JIS	DIN	ANSI	b	H	n	JIS	DIN	ANSI	Φ	JIS	DIN	ANSI
15	95	65	70	65	2.38	125	110	130	4.33	14	125	4	4	4	4	14	15	14	0.63
20	105	75	75	75	2.76	135	120	150	4.72	16	130	4	4	4	4	14	15	14	0.63
25	115	85	90	85	3.13	145	130	160	5.12	16	145	4	4	4	4	14	19	14	0.63
32	135	100	100	100	3.5	160	/	/	/	16	170	4	4	4	4	18	19	14	0.63
40	145	110	105	110	3.88	180	180	200	7.09	16	190	4	4	4	4	18	19	18	0.63
50	160	125	120	125	4.74	210	210	230	8.27	18	215	4	4	4	4	18	19	18	0.75
65	180	145	140	145	5.49	250	250	290	9.84	22	280	4	4	4	4	18	19	18	0.75
80	195	160	150	160	6.00	300	280	310	11.02	25	300	4	8	8	8	18	19	18	0.75
100	215	180	175	180	7.50	350	340	350	13.39	25	340	8	8	8	8	18	19	18	0.75
125	245	210	210	210	8.50	400	410	400	16.14	30	420	8	8	8	8	18	23	18	0.87
150	280	240	240	240	9.51	460	480	480	18.90	30	480	8	8	8	8	23	23	23	0.87
200	335	295	290	295	11.75	570	570	600	22.44	35	625	8	12	8	8	23	23	23	0.87
250	390	350	400	395	15.98	680	680	730	26.77	38	776	12	12	12	12	23	23	23	0.87

Plastic Globe Valve

※Product Description

- Light valve weight, strong anti-corrosion, easy disassembly and maintenance.
- It is applicable for convey, cut-off, flow regulation of corrosive medium. All parts adapt the RPP or PVDF by injection molding, with good corrosion resistant performance. It is screw lifting structure and has good operational stability. It can replace the stainless steel valve. Sealing diaphragm adapts the FEP or PFA, of which the folding number is more than 1200 times.
- It is widely used in water, air, oil, corrosive chemical liquid application.

FRPP Globe Valve
Threaded Type

※Working Temperature

- RPP: -14°C-90°C
- PVDF: -40°C-140°C
- CPVC: -20°C-95°C
- UPVC:-14°C-80°C

FRPP Globe Valve
Flange Type

Plastic Globe Valve

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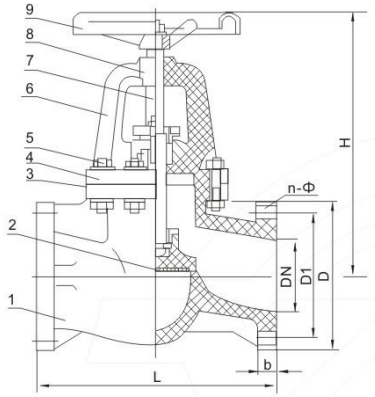


※Temperature Range

MaterialMedium	Temperature
RPP	-14°C~+90°C
PVDF	-40°C~+140°C

※Material Specification

NO.	Name	Material
1	Body	RPP, PVDF
2	Seal	RPP, PVDF
3	Seal	EPDM. FRM
4	Bonnet	RPP, PVDF
5	Screw bolt	Stainless steel,steel
6	Bracket	RPP, PVDF
7	Stem	Stainless steel, steel
8	Nut	Stainless steel, steel
9	Hand wheel	ABS

RPP, PVDF, CPVC, ABS, J41FF-6S, J41F-10F

Unit:mm

DN(mm)	Dimension							Working Temperature	Operating Pressure MPa	Weight (KG)			
	D	D1	L	H	b	n	Φ			RPP	PVDF	CPVC	UPVC
25(1")	115	85	160	200	16	4	14	RPP -14°C~90°C PVDF -40°C~140°C CPVC -20°C~95°C UPVC -14°C~80°C	0.6	0.97	1.6	1.4	1.3
32(11/4")	140	100	180	220	16	4	18		0.6	1.25	2.1	1.9	1.7
40(11/2")	150	110	200	250	18	4	18		0.6	1.60	2.7	2.4	2.2
50(2")	165	125	230	275	18	4	18		0.6	2.4	4.1	3.7	3.3
65(21/2")	185	145	290	350	22	4	18		0.6	4.5	7.6	6.8	6.1
80(3")	200	160	310	390	25	8	18		0.6	5.6	9.5	8.5	7.6
100(4")	220	180	350	400	25	8	18		0.5	8.8	15	13.5	12
125(5")	250	210	400	410	30	8	18		0.5	12.5	20	18	16
150(6")	285	240	480	430	30	8	23		0.4	16	25	22.5	20
200(8")	340	295	600	480	35	12	23		0.4	18	30	27	24

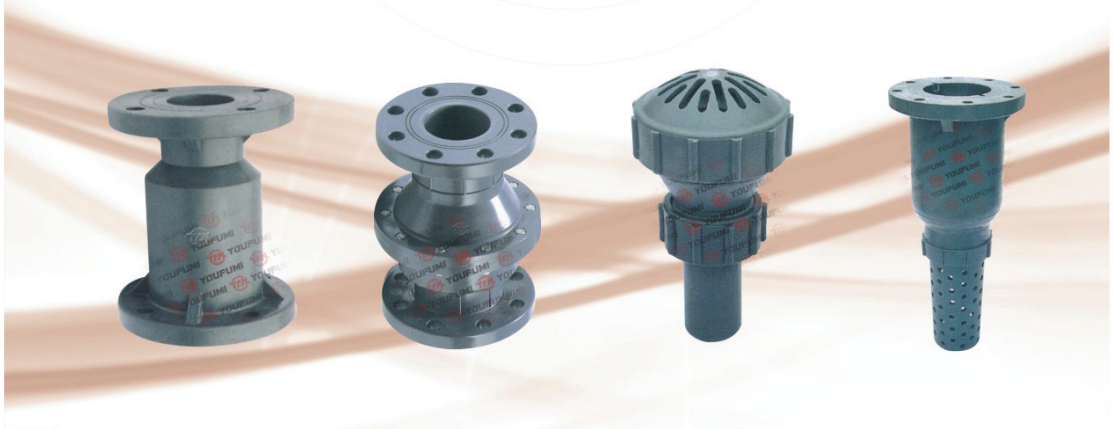
Plastic Check Valve

※Product Description

- Light valve weight, strong anti-corrosion, easy disassembly and maintenance.
- It is applicable for convey, cut-off, flow regulation of corrosive medium. All parts adapt the RPP or PVDF by injection molding, with good corrosion resistant performance. It is screw lifting structure and has good operational stability. It can replace the stainless steel valve. Sealing diaphragm adapts the FEP or PFA, of which the folding number is more than 1200 times.
- It is widely used in water, air, oil, corrosive chemical liquid application.

※Working Temperature

- RPP: -14°C-90°C
- PVDF: -40°C-140°C
- CPVC: -20°C-95°C
- UPVC:-14°C-80°C



Plastic Check Valve

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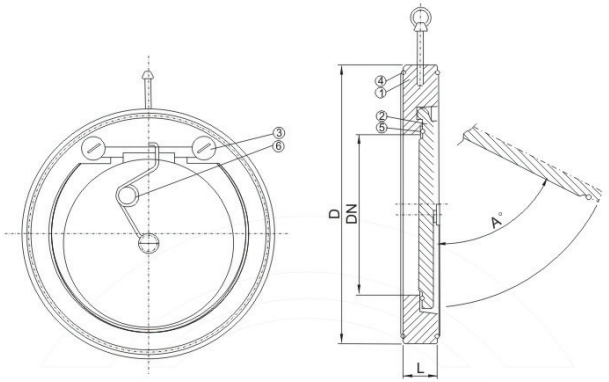
Plastic Wafer Type Check Valve



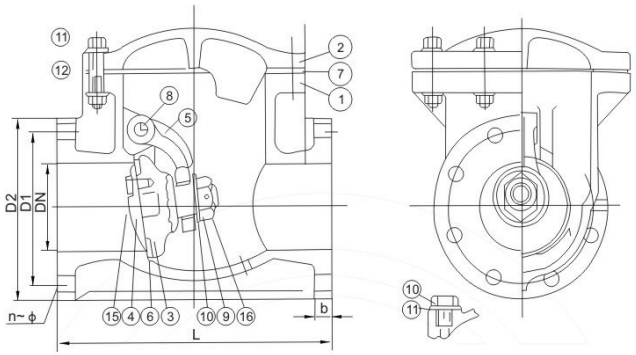
※Technical Specification

Design & Manufacturing Standard	GB12240	API 6D
Face-to-face Dimension	GB/T5188.2/API 6D	
Flange Standard	JB78/JB79 ANSI B16.5	
Nominal Diameter	DN50-500	2"-20"
Nominal Pressure	PN0.6-2.5(Mpa)	ANSI150-300LB
Inspection & Test Standard	GB/T13927	API 598

Unit:mm

DN(mm)	PN0.6MPa		PN1.0MPa		PN1.6Mpa/Class 150LB		PN2.5MPa/Class 300LB	
	L	D	L	D	L	D	L	D
50	19	90	19	100	19	100/92	19	100/92
65	19	110	19	120	19	120/105	19	120/105
80	19	125	19	135	19	135/127	19	135/127
100	19	145	19	155	19	155/157	19	160/157
150	19	200	19	210	19	210/216	22	218/216
200	28	255	28	265	28	265/270	28	278/270
250	28	310	28	320	28	320/324	38	332/324
300	38	362	38	368	38	375/381	51	390/381
350	44	412	44	428	44	435/413	51	448/413
400	51	462	51	482	51	485/470	51	505/470
450	60	518	60	532	60	545/533	76	555/533
500	60/64	568	60/64	585	60/64	608/584	83	610/584

Plastic Swing Type Check Valve



※Material Specification

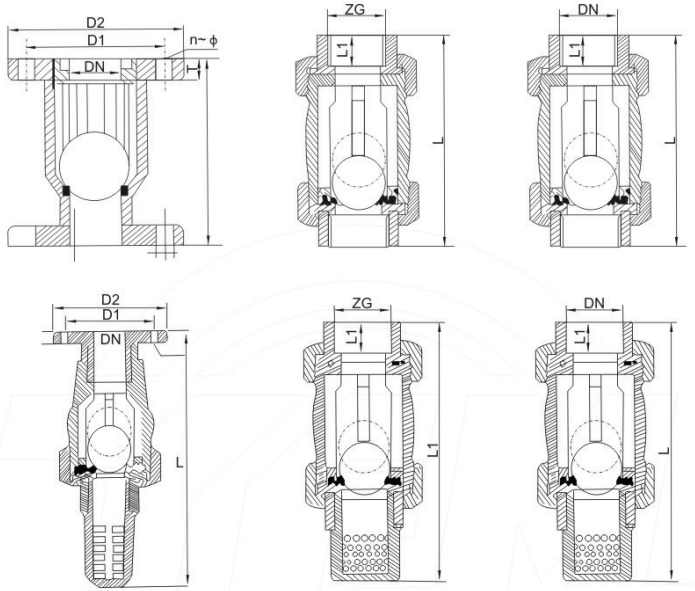
No.	Name	Material	No.	Name	Material
1	Body	RPP, PVDF	9	Nut	RPP, PVDF
2	Bonnet	RPP, PVDF	10	Packing	RPP, PVDF
3	Moving board	RPP, PVDF	11	Nut	Stainless steel, steel
4	Sealing ring tray	RPP, PVDF	12	Packing	Stainless steel, steel
5	Swing axle	PTFE	13	Packing	PTFE(PVDF, RPP)
6	Sealing	PTFE	14	Nut	RPP, PVDF
7	Back seal	PTFE(PVDF.RPP)	15	Fixed screw	RPP, PVDF
8	Shaft	RPP.PVDF	16	Pin	RPP, PVDF

RPP, PVDF, CPVC, ABS, H44F-10

Unit:mm

DN(mm) Nominal Diameter	D1			D2			N-Φ				L		B		Working Pressure			
	JIS	DIN	ANSI	JIS	DIN	ANSI	JIS	DIN	ANSI	DIN	JIS	JIS	DIN	JIS	RPP	PVDF	CPVC	UPVC
20	75	75	2.76	100	105	3.86	4-15	4-14	4	0.63	140	5.51	15	0.59	0.6	0.7	0.6	0.7
25	90	85	3.13	125	115	4.25	4-19	4-14	4	0.63	160	6.30	16	0.63	0.6	0.7	0.6	0.7
40	105	110	3.88	140	150	5.00	4-19	4-18	4	0.63	180	7.09	18	0.71	0.6	0.7	0.6	0.7
50	120	125	4.74	155	165	5.98	4-19	4-18	4	0.75	200	7.87	21	0.82	0.6	0.7	0.6	0.7
65	140	145	5.49	175	185	7.01	4-19	4-18	4	0.75	240	9.45	23	0.90	0.6	0.7	0.6	0.7
80	150	160	6.00	185	200	7.52	8-19	8-18	4	0.75	260	10.24	25	0.98	0.6	0.7	0.6	0.7
100	175	180	7.50	210	220	9.02	8-19	8-18	8	0.75	300	11.81	26	1.02	0.5	0.5	0.6	0.7
125	210	210	8.50	250	250	10.00	8-23	8-18	8	0.87	350	13.78	27	1.06	0.5	0.5	0.6	0.7
150	240	240	9.51	280	280	10.98	8-23	8-23	8	0.87	400	15.75	27	1.06	0.4	0.5	0.6	0.7
200	290	295	11.75	330	340	13.50	12-23	8-23	8	0.87	500	19.69	34	1.34	0.4	0.5	0.6	0.7

Plastic Ball Check Valve



RPP, PVDF, CPVC, ABS, H(11/41/61)-10(S/F) Flange, screw , socket check valves

Unit:mm

DN mm	Dimensions of flanged type					Dimensions of screw type			DN mm	Socket type dimension		Working Pressure MPa
	D2	D1	L	b	N-Φ	ZG	L	L1		L	L1	
15	95	65	120	14	4-14	ZG1/2"	140	15	20	140	15	1.0
20	105	75	120	14	4-14	ZG3/4"	168	17	25	168	17	1.0
25	115	85	140	16	4-14	ZG1"	189	20	32	189	20	1.0
32	135	100	144	17	4-18	ZG11/4"	210	23	40	210	23	1.0
40	145	110	163	18	4-18	ZG11/2"	238	25	50	238	25	1.0
50	160	125	188	20	4-18	ZG2"	280	28	63	280	28	1.0
65	180	140	220	22	4-18	ZG21/2"	301	32	75	301	32	1.0
80	195	160	240	25	4-18	ZG3"	371	32	90	371	32	1.0
100	215	180	275	25	4-18	ZG4"	504	45	110	504	45	1.0
125	245	210	360	30	4-18							0.6
150	280	240	400	30	8-23							0.6
200	335	295	400	35	8-23							0.61