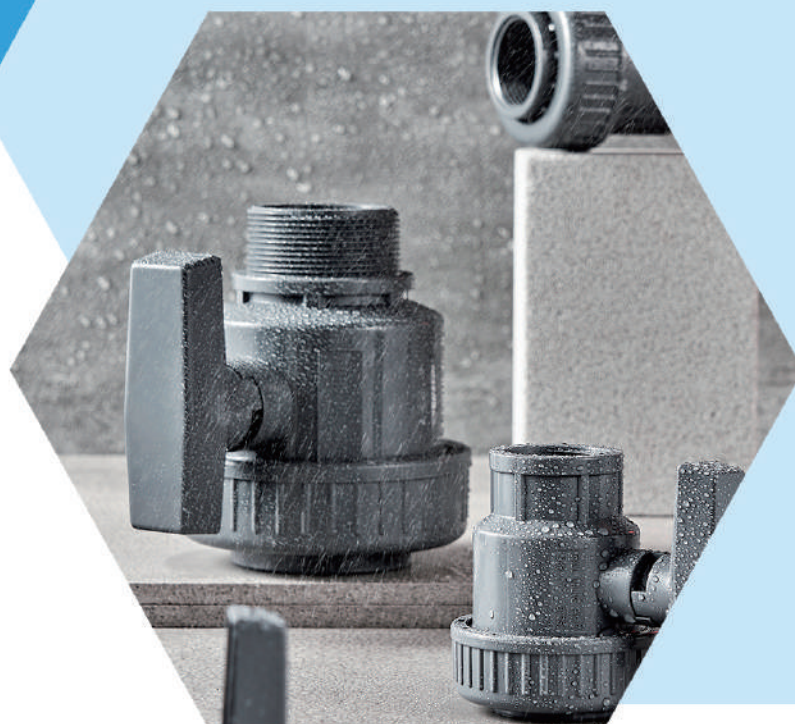


SWD PLASTIC



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SALVADOR INDUSTRIAL CO.,LTD
NINGBO SALVADOR PIPING SYSTEM CO.,LTD

PROFESSIONAL MANUFACTURER OF
PLASTIC VALVES



Company Profile

NINGBO SALVADOR PIPING SYSTEM CO.,LTD is a leading manufacturer and exporter of plastic pipes, valves and fittings, we are committed to provide piping system solutions to customers all over the world. Salvador Industrial stick to the principle of "Quality First, Service First, Continuous Improvement and Innovation to meet the requirements of Customers".

SWD Products are widely used in Agricultural Irrigation, Wastewater Treatment, Aquaculture, Pharmaceutical Industry, Electroplating, Papermaking Industry, Chemical Industry, Mining plant, Power Station, Drainage, and other applications involving corrosive fluid transfer. Most of our products confirm to ANSI, DIN, BS, JIS & TIS standard and have been already exported to the countries below: United States, Canada, Germany, UK, Spain, Austria, Mexico, Argentina, Chile, Colombia, Peru, Russia, Saudi Arabia, UAE, Iran, Iraq, Syria, Yemen, Vietnam, Thailand, Philippines, Indonesia, Malaysia, Sri Lanka, Zambia, Morocco, Algeria etc. with very good reputation.

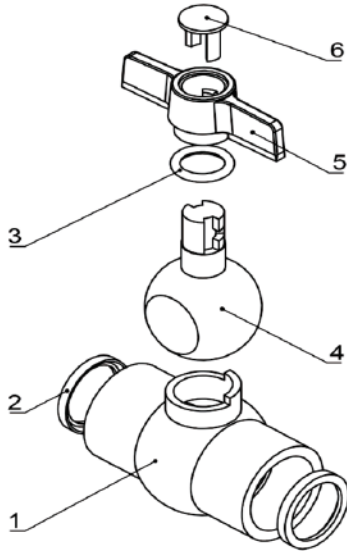
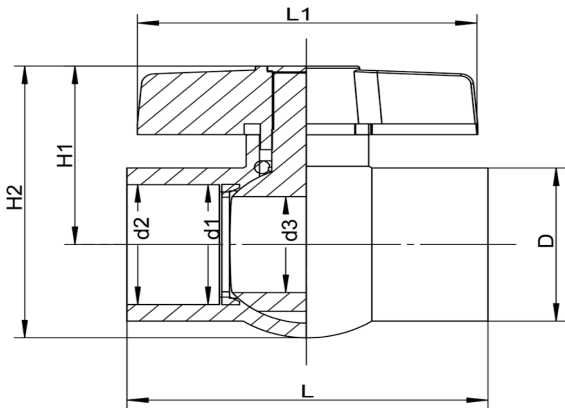
With rich experience in piping & duct systems, we will provide best solutions and services to you. Welcome to our company visit and discuss business, sincerely hope our professional technology and individual service can win your trust and favor, looking forward to cooperate with friends all over the world, let's do win-win business together!

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PVC Compact Ball Valve »

SWD001

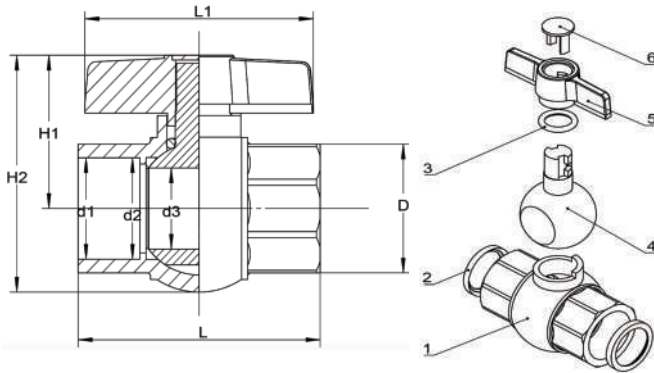


Specification of Material			
NO.	Part	Material	QTY
1	Handle	PP、PVC、ABS	1
2	Seat Seal	TPE、TPV	1
3	O-Ring	EPDM、NBR	1
4	Ball	PP、PVC	1
5	Seat Seal	TPE、TPV	1
6	Cap	PVC	1

Dimensions Unit:mm												
Size	d2						d3	D	L1	L	H1	H2
	Socket End				NPT	BSPT						
	DIN	BS	JIS	ANSI	Thd./in	Thd./in						
DN15 (1/2")	20	21.5	22.11	21.6	14	14	15	30.2	69.6	69.4	45	60.2
DN20 (3/4")	25	26.9	26.13	26.9	14	14	20	36.3	76.2	83.3	51	72.8
DN25 (1")	32	33.7	32.16	33.8	11.5	11	25	43.5	89.7	97.2	57	84.6
DN32 (1 1/4")	40	42.2	38.19	42.4	11.5	11	32	52	102.6	106.6	64	94
DN40 (1 1/2")	50	48.4	48.21	48.5	11.5	11	40	57.9	110	121.4	73	109.7
DN50 (2")	63	60.5	60.25	60.7	11.5	11	50	71.8	131.1	139.1	80	128
DN65 (2 1/2")	75	75.3	76.6	73.4	8	11	65	90	176	176	108	162
DN80 (3")	90	89	89.6	89.4	8	11	80	108	188	242	115	180
DN100 (4")	110	114.5	114.7	114.8	8	11	100	135	208	288	130	210

PVC Octagonal Ball Valve »

SWD002

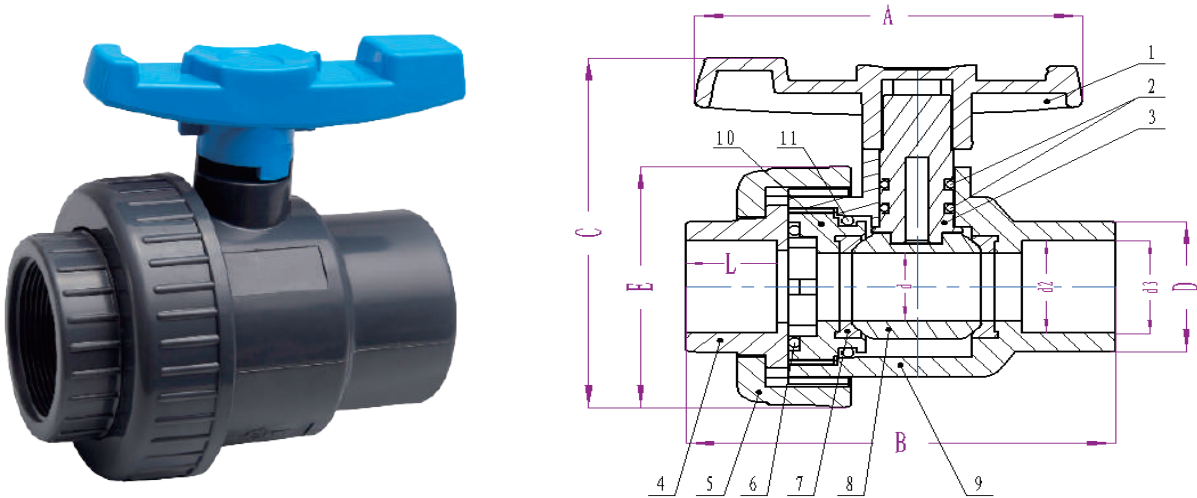


Specification of Material			
NO.	Part	Material	QTY
1	Body	U-PVC	1
2	Seat Seal	TPE、TPV	1
3	O-Ring	EPDM、NBR	1
4	Ball	PP、PVC	1
5	Handle	PP、ABS、PVC	1
6	Cap	PP、ABS、PVC	1

NOM/SIZE		DN15 (1/2")	DN20 (3/4")	DN25 (1")	DN32 (1-1/4")	DN40 (1-1/2")	DN50 (2")	DN65 (2-1/2")	DN80 (3")	DN100 (4")
The./in	NPT	14	14	11.5	11.5	11.5	11.5	8	8	8
	BSPT	14	14	11	11	11	11	11	11	11
JIS	d1	21.7	25.7	31.87	37.57	47.54	59.44	75.87	88.83	113.98
	d2	22.3	26.3	32.33	38.43	48.46	60.56	76.6	89.6	114.7
BS	d1	21.3	26.7	33.5	42.2	48.2	60.3	75.1	88.8	114.2
	d2	21.5	26.9	33.7	42.4	48.4	60.5	75.3	89.1	114.5
ANSI	d1	21.23	26.57	33.27	42.04	48.11	60.17	72.85	88.7	114.07
	d2	21.54	26.87	33.65	42.42	48.56	60.63	73.88	89.31	114.76
DIN	d1	20	25	32	40	50	63	75	90	110
	d2	20	25	32	40	50	63	75	90	110
CNS	d1	21.7	25.7	33.67	40.8	47.54	59.44	75.87	88.83	113.93
	d2	22.3	26.3	34.33	42.2	48.46	60.56	76.6	89.6	114.7
d3		15	20	25	30	34	45	60	77	97
D		31.3	37.5	45.6	56.4	65.8	77.9	96.3	117.2	144
L		78	88	102	111	127	148	179	243	285
L1		69	77	92	104	114	134	160	176	196
I		21	24	28	28	32	37	45	68	80
H1		44	51	87	63	70	82	99	113	132
H2		62	76	59	96	108	129	152	182	209

PVC Single Union Ball Valve »

SWD003

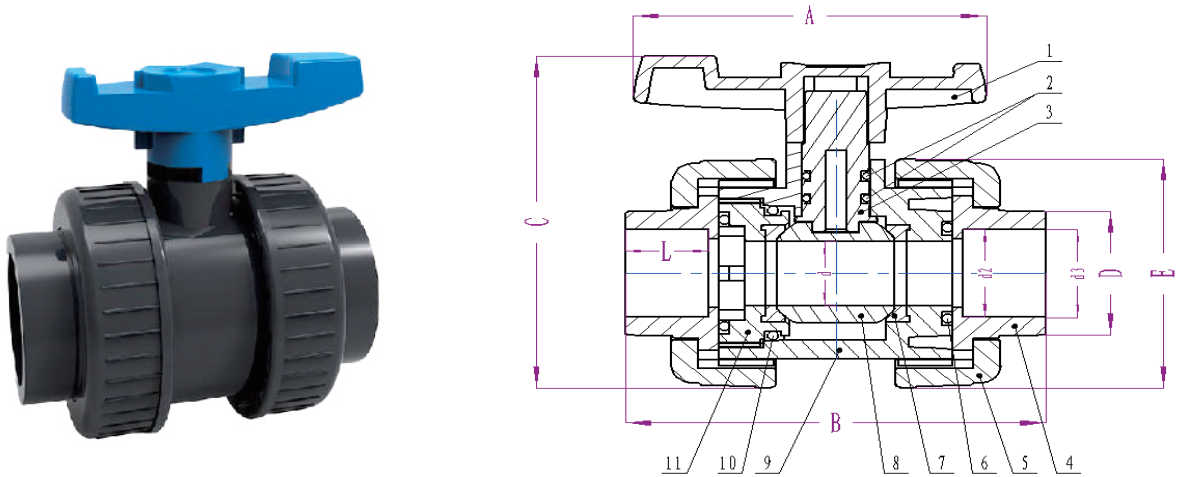


Specification of Material							
NO.	Part	Material	QTY	NO.	Part	Material	QTY
1	Handle	U-PVC	1	7	Seat Seal	TPV	2
2	Stem O-Ring	NBR / EPDM	2	8	Ball	U-PVC	1
3	Stem	U-PVC	1	9	Body	U-PVC	1
4	End Connector	U-PVC	1	10	O-Ring	NBR / EPDM	2
5	Union Nut	U-PVC	1	11	Seat Carrier	U-PVC	1
6	Carrier O-Ring	NBR / EPDM	2				

Dimensions Unit:mm																
Size	Socket End								NPT	BSPT	B	d	D	L	C	A
	DIN		ANSI		JIS		BS		Thd./ in	Thd./ in						
	d2	d3	d2	d3	d2	d3	d2	d3								
DN15 (1/2")	19.8	20.3	21.23	21.54	21.70	22.3	21.3	21.5	14	14	75.3	15	28.8	16	77.5	68
DN20 (3/4")	24.8	25.4	26.57	26.87	25.70	26.3	26.7	26.9	14	14	86.5	20	35.2	19	88.5	76
DN25 (1")	31.7	32.3	33.27	33.65	31.67	32.33	33.5	33.7	11.5	11	98.4	25	42.8	22	102	87
DN32 (1 1/4")	39.7	40.4	42.04	42.42	37.57	38.43	42	42.2	11.5	11	114.8	30	51.8	26	116	102
DN40 (1 1/2")	49.7	50.4	48.11	48.56	47.54	48.46	48.2	48.4	11.5	11	137	39	61.8	32	135.5	119
DN50 (2")	62.7	63.4	60.17	60.63	59.44	60.56	60.3	60.5	11.5	11	165	49	75.3	38	164	145
DN65 (2 1/2")	74.6	75.5	72.85	73.38	75.87	76.6	75.1	75.3	8	11	193	60	89.2	41	192	178
DN80 (3")	89.6	90.5	88.7	89.31	88.83	89.6	88.8	89.1	8	11	229.5	76	106.4	51	227	209
DN100 (4")	109.5	110.6	114.07	114.76	113.98	114.7	114.2	114.5	8	11	271	96	130.7	60	217.5	248

PVC True Union Ball Valve »

SWD004

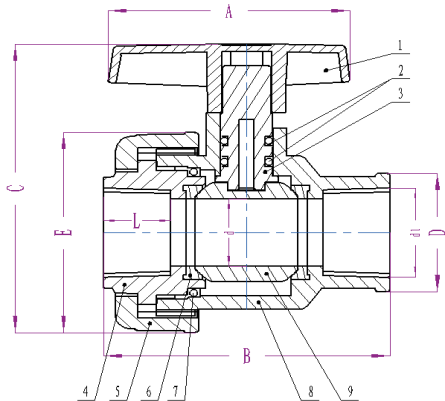


Specification of Material							
NO.	Part	Material	QTY	NO.	Part	Material	QTY
1	Handle	U-PVC	1	7	Seat Seal	TPV	2
2	Stem O-Ring	NBR / EPDM	2	8	Ball	U-PVC	1
3	Stem	U-PVC	1	9	Body	U-PVC	1
4	End Connector	U-PVC	1	10	O-Ring	NBR / EPDM	2
5	Union Nut	U-PVC	1	11	Seat Carrier	U-PVC	1
6	Carrier O-Ring	NBR / EPDM	2				

Dimensions Unit:mm																
Size	Socket End								NPT	BSPT	B	d	D	L	C	A
	DIN		ANSI		JIS		BS		Thd./ in	Thd./ in						
	d2	d3	d2	d3	d2	d3	d2	d3								
DN15 (1/2")	19.8	20.3	21.23	21.54	21.70	22.3	21.3	21.5	14	14	81	15	28.8	16	77.5	68
DN20 (3/4")	24.8	25.4	26.57	26.87	25.70	26.3	26.7	26.9	14	14	91	20	35.2	19	88.5	76
DN25 (1")	31.7	32.3	33.27	33.65	31.67	32.33	33.5	33.7	11.5	11	104	25	42.8	22	102	87
DN32 (1 1/4")	39.7	40.4	42.04	42.42	37.57	38.43	42	42.2	11.5	11	120.5	30	51.8	26	116	102
DN40 (1 1/2")	49.7	50.4	48.11	48.56	47.54	48.46	48.2	48.4	11.5	11	143	39	61.8	32	135.5	119
DN50 (2")	62.7	63.4	60.17	60.63	59.44	60.56	60.3	60.5	11.5	11	173.6	49	75.3	38	164	145
DN65 (2 1/2")	74.6	75.5	72.85	73.38	75.87	76.6	75.1	75.3	8	11	206	60	89.2	41	192	178
DN80 (3")	89.6	90.5	88.7	89.31	88.83	89.6	88.8	89.1	8	11	240.5	76	106.4	51	227	209
DN100 (4")	109.5	110.6	114.07	114.76	113.98	114.7	114.2	114.5	8	11	281	96	130.7	60	217.5	248

PVC Single Union Ball Valve For Irrigation »

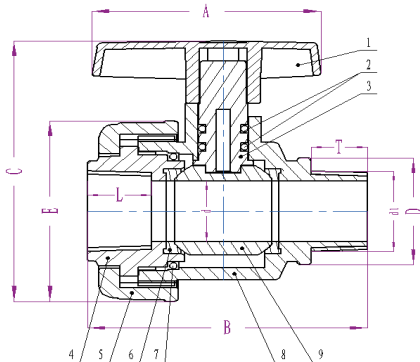
SWD005



Size	d	d1	A	B	C	D	E	L
3/4"	20	26.7	65	76.9	85.7	35	59.4	18
1"	25	33.5	73	86.8	100.5	43	68.7	19
1-1/4"	30	42.2	84.5	103	111	52	78.6	23
1-1/2"	39	48	93	115	133	61	94.6	24
2"	49	59.9	107	136.4	159.5	73	114.6	28
2-1/2"	60	75.5	141	163	191.5	91.8	139	33
3"	76	88.2	151	192	221.5	104	168	38
4"	96	113.4	175.5	226	267	130	205.6	43

S/N	Name	Material
1	Handle	U-PVC
2	O-Ring	NBR/EPDM
3	Stem	U-PVC
4	End Connector	U-PVC
5	Union Nut	U-PVC
6	Seat Seal	TPE/TPV
7	O-RING	NBR/EPDM
8	Body	U-PVC
9	Ball	U-PVC

SWD006



Size	d	d1	A	B	C	D	E	L
3/4"	20	26.4	65	78.4	85.7	35	59.4	18
1"	25	33.2	73	89.5	100.5	41	68.7	19
1-1/4"	30	41.9	84.5	106	111	49.8	78.6	23
1-1/2"	39	47.8	93	123	133	59	94.6	24
2"	49	59.6	107	144	159.5	72	114.6	28
2-1/2"	60	75.2	141	173.5	191.5	89.4	139	33
3"	76	87.9	151	201	221.5	103	168	38
4"	96	113	175.5	237.5	267	128.2	205.6	43

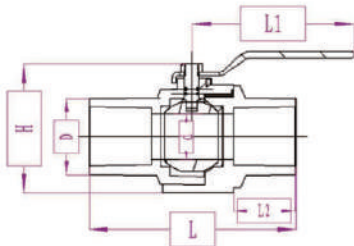
S/N	Name	Material
1	Handle	U-PVC
2	O-Ring	NBR/EPDM
3	Stem	U-PVC
4	End Connector	U-PVC
5	Union Nut	U-PVC
6	Seat Seal	TPE/TPV
7	O-RING	NBR/EPDM
8	Body	U-PVC
9	Ball	U-PVC

PVC Two Pieces Ball Valve »

SWD007



SWD008

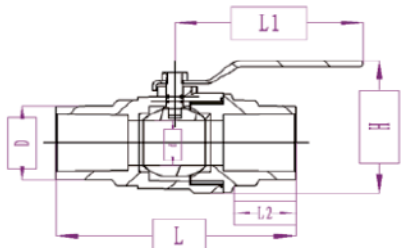


Size	L	L1	L2	D	H	d
1/2"	93.3	83.5	28	29	59.8	14.7
3/4"	99.8	83.5	30	34.7	66.5	19.9
1"	113.6	83.5	33	42.7	75.1	24.8
1-1/4"	130.7	97.5	38	53.8	89.9	31.6
1-1/2"	139.5	117.3	40	61	109.9	37.4
2"	167.2	117.3	48	73.7	119.3	46.6
2-1/2"	197.6	139.1	56	91	148.4	56.8
3"	251.9	190	75	106.3	178.4	67.6
4"	282.5	212.6	76	134.4	196.7	84.7

SWD009



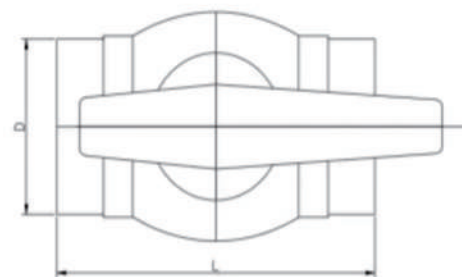
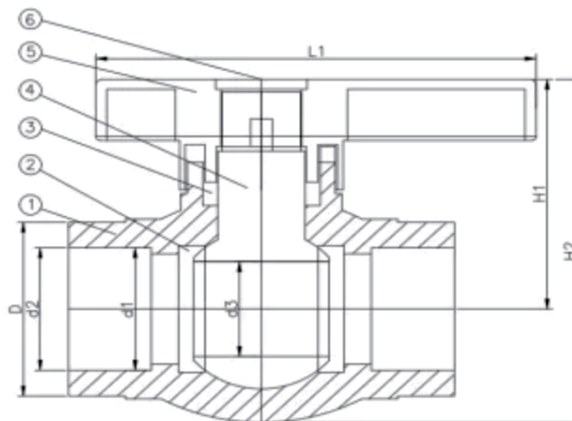
SWD010



Size	L	L1	L2	D	H	d
1/2"	93.4	83.5	31	31.7	60.7	14.9
3/4"	98.6	83.5	31	37	68.3	19.9
1"	114.3	83.5	35	44.8	78.2	24.8
1-1/4"	128.5	97.5	38	57.4	102	31.6
1-1/2"	139.6	117.3	41	63.9	115	37.4
2"	167.2	117.3	48	79	123.8	46.6

New Type PVC Ball Valve »

SWD011



Item No.	Parts	Material	Q'ty
1	Body	U-PVC	1
2	Seat Seal	TPE	2
3	O-Ring	NBR	1
4	Stem	U-PVC	1
5	Handle	ABS/PP	1
6	Cap	ABS/PP	1

Size: 1/2" - 2"
 Standard: DIN/ANSI
 End Connector: Socket/Thread
 BSPT or NPT available

Size	d3	D	L	L1	H2
1/2"	15	28.7	73.7	82.5	62.2
3/4"	20	35.0	78.2	89.5	73.9
1"	25	42.7	88.0	102.8	86.6
1-1/4"	32	53.0	104.6	123.0	95.6
1-1/2"	40	61.0	123.6	148.1	113.4
2"	50	74.0	143.3	148.1	131.2

Other Different Type PVC Ball Valves »

SWD012



Size: 1/2"-2"
 Standard: CNS/JIS/DIN/BS/
 ANSI/NPT/BSPT

SWD015



Size: 1/2"-2"
 Standard: CNS/JIS/DIN/BS/ANSI/
 NPT/BSPT

SWD015



Size: 3/4"
 Standard: NPT/BSPT

SWD018



Size: 1/2"-2"
 Standard: DIN/BS/ANSI/NPT/BSPT

SWD013



Size: 1/2"-4"
 Standard: CNS/JIS/DIN/BS/
 ANSI/NPT/BSPT

SWD016



Size: 1/2"-2"
 Standard: CNS/JIS/DIN/BS/ANSI/NPT/
 BSPT

SWD016



Size: 1"-2"
 Standard: NPT/BSPT

SWD019



Size: 1/2"-2"
 Standard: DIN/BS/ANSI/NPT/BSPT

SWD014



Size: 1/2"-2"
 Standard: TIS

SWD017



Size: 1/2"-3/4"
 Standard: NPT/BSPT

SWD017



Size: 1"-4"
 Standard: NPT/BSPT

SWD020



Size: 1/2"
 Standard: NPT/BSPT

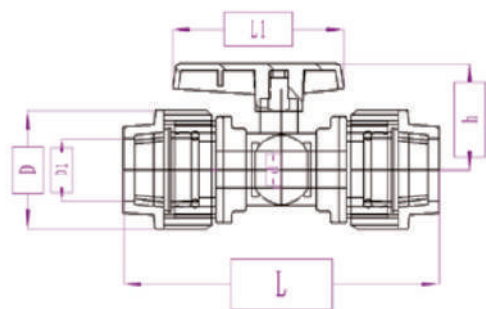
PVC/PP Compression Ball Valve »

SWD0021



Size	L	L1	D	D1	d
1/2"	165	68	44	21	15
3/4"	180	76	56	26	20
1"	200	87	65	33	25
1-1/4"	238	102	80	41	30
1-1/2"	277	119	92	51	39
2"	335	145	114	64	49
2-1/2"	403	178	128	76	60
3"	465	209	152	91	76
4"	555	248	182	111	96

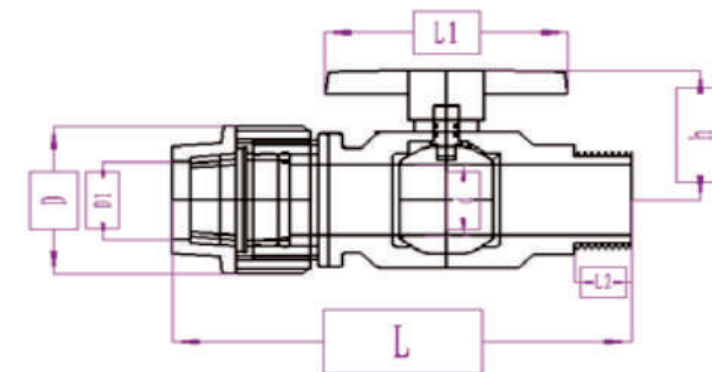
SWD0022



Size	L	L1	D	D1	h	d
1/2"	146	69.5	48	21	47.4	14.9
3/4"	162.5	69.5	54.3	26	45	19.9
1"	186.5	91.4	65.5	33	57.8	24.8
1-1/4"	200.3	91.4	78.5	41	64.2	31.6
1-1/2"	251	114	96	51	84	37.4
2"	310	114	112	64	91	46.6

PP Compression Ball Valve »

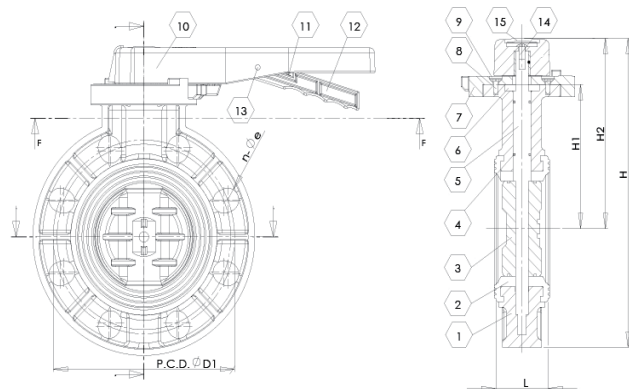
SWD0023



Size	L	L1	L2	D	D1	h	d
1/2"	130	69.5	17.5	48	21	47.4	14.9
3/4"	142	69.5	19	54.3	26	45	19.9
1"	164	91.4	21	65.5	33	57.8	24.8
1-1/4"	190	91.4	23	78.5	41	64.2	31.6
1-1/2"	217	114	25	96	51	84	37.4
2"	253	114	26	112	64	91	46.6

PVC Butterfly Valve-Model 1 (Lever Handle) »

SWD0024



Specification of material					
No.	Parts	Material	No.	Parts	Material
1	Body	UPVC	9	Bolt Cover	ABS/PVC
2	Seat	EPMD	10	Handle	ABS/PVC
3	Disc	U-PVC/CPVC	11	Spring	SS304
4	O-Ring	EPMD	12	Lever	ABS/PVC
5	Stem	Steel /304/316	13	Pin	Steel
6	Locking Block	PVC	14	Bolt	Steel
7	Indicator Pleat	ABS/PVC	15	Mark Cap	ABS/PVC
8	Bolt	Steel			

Size:2"-8"

Standard:DIN/ANSI/JIS

Flange Connect

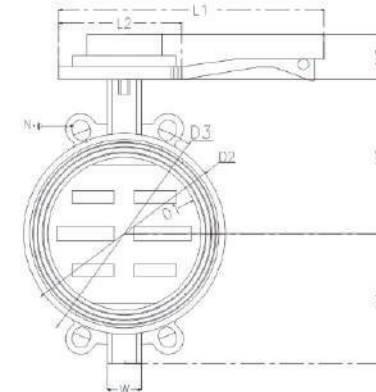
Working Pressure:2"-6" 150PSI

8" 100PSI

Size	Inch	2"	2-1/2"	3"	4"	5"	6"	8"
	DN	50	65	80	100	125	150	200
ϕ D		160	180	196	228	258	287	344
P.C.D ϕ D1	DIN	125	145	160	180	210	240	295
	ANSI	121	140	152	191	216	241	298
	JIS	120	140	150	175	210	240	290
ϕ d		48	63	78	98	122	146	199
L		43	46	49	54	64	70	88
ϕ 1		124	124	124	124	170	170	170
L1		190	190	240	240	310	310	310
W		55	55	55	55	72	72	72
H1		100	112	120	160	168	181	215
H2		143	155	172	194	223	239	280
H		223	245	270	308	352	382	452
n- ϕ e	DIN	4- ϕ 19	4- ϕ 19	8- ϕ 19	8- ϕ 19	8- ϕ 19	8- ϕ 23	8- ϕ 23
	ANSI	4- ϕ 19	4- ϕ 19	4- ϕ 19	8- ϕ 19	8- ϕ 19	8- ϕ 23	8- ϕ 23
	JIS	4- ϕ 19	4- ϕ 19	8- ϕ 19	8- ϕ 19	8- ϕ 19	8- ϕ 23	8- ϕ 23

PVC Butterfly Valve-Model 2 (Lever Handle) »

SWD0025



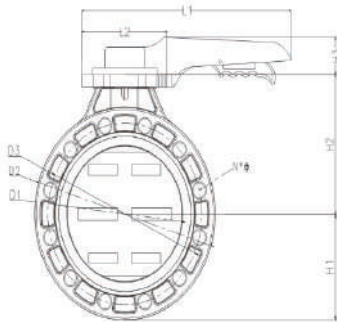
DIN Specification												
DN	D1	D2	D3	H1	H2	H3	L1	L2	W	W1	W3	n- ϕ e
50	55	98	120	81	124	49	272	116	32	44	100	4x18
65	66	98	140	89.5	129	49	272	116	32	46	100	4x18
80	80	128	150	97.5	145	50	292	136	32	57	100	4x18
100	104	154	175	113	160	50	292	136	35	60	100	4x18
125	127	180	210	128	175	65	360	150	40	66	100	4x18
150	151	205	240	140	190	65	360	150	40	72	100	4x22
200	200	262	290	173	219.5	65	360	150	44	68	100	4x22

ANSI Specification												
DN	D1	D2	D3	H1	H2	H3	L1	L2	W	W1	W3	n- ϕ e
2"	55	98	125	81	124	49	272	116	32	44	100	4x19
2-1/2"	66	98	140	89.5	129	49	272	116	32	46	100	4x19
3"	80	128	160	97.5	145	50	292	136	32	57	100	4x19
4"	104	154	191	113	160	50	292	136	35	60	100	4x19
5"	127	180	216	128	175	65	360	150	40	66	100	4x22
6"	151	205	241	140	190	65	360	150	40	72	100	4x22

JIS Specification												
DN	D1	D2	D3	H1	H2	H3	L1	L2	W	W1	W3	n- ϕ e
50A	55	98	120	81	124	49	272	116	32	44	100	4x19
65A	66	98	140	89.5	129	49	272	116	32	46	100	4x19
80A	80	128	160	97.5	145	50	292	136	32	57	100	4x19
100A	104	154	191	113	160	50	292	136	35	60	100	4x19
125A	127	180	210	128	175	65	360	150	40	66	100	4x23
150A	151	205	240	140	190	65	360	150	40	72	100	4x23
200A	200	262	290	173	219.5	65	360	150	44	68	100	4x23

PVC Butterfly Valve-Model 3 (Lever Handle) »

SWD0026



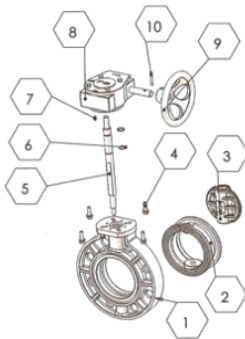
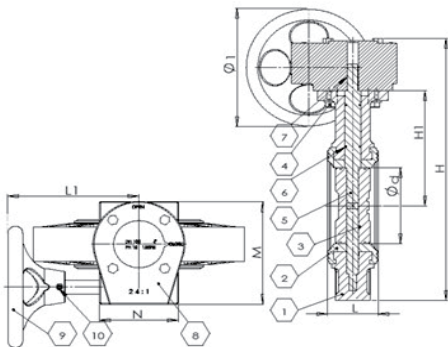
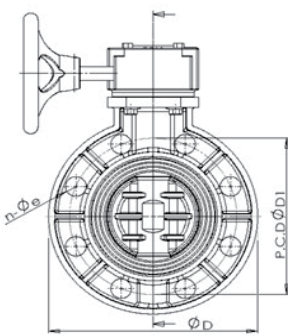
DIN Specification											
DN	D1	D2	D3	H1	H2	H3	L1	L2	W1	W3	n-φ e
50	55	162	120	81	124	56.5	317	116	44	100	4x18
65	66	179	140	89.5	129	56.5	317	116	46	100	4x18
80	80	195	150	97.5	145	56.5	317	136	57	100	8x18
100	104	225	175	113	160	56.5	317	136	60	100	8x18
125	127	255	210	128	175	65	359	150	66	100	8x18
150	151	280	240	140	190	65	359	150	72	100	8x22
200	200	340	290	173	219.5	65	359	150	68	100	8x22

ANSI Specification											
DN	D1	D2	D3	H1	H2	H3	L1	L2	W1	W3	n-φ e
2"	55	162	125	81	124	56.5	317	116	44	100	4x19
2-1/2"	66	179	145	89.5	129	56.5	317	116	46	100	4x19
3"	80	195	160	97.5	145	56.5	317	136	57	100	4x19
4"	104	225	191	113	160	56.5	317	136	60	100	8x19
5"	127	255	216	128	175	60	359	150	66	100	8x22
6"	151	280	241	140	190	60	359	150	72	100	8x22
8"	200	340	298	173	219.5	60	359	150	68	100	8x22

JIS Specification											
DN	D1	D2	D3	H1	H2	H3	L1	L2	W1	W3	n-φ e
50A	55	162	120	81	124	56.5	317	116	44	100	4x19
65A	66	179	140	89.5	129	56.5	317	116	46	100	4x19
80A	80	195	150	97.5	145	56.5	317	136	57	100	8x19
100A	104	225	175	113	160	56.5	317	136	60	100	8x19
125A	127	255	210	128	175	60	359	150	66	100	8x23
150A	151	280	240	140	190	60	359	150	72	100	8x23
200A	200	340	290	173	219.5	60	359	150	68	100	12x23

PVC Butterfly Valve-Model 1 (Gear Handle) »

SWD0027

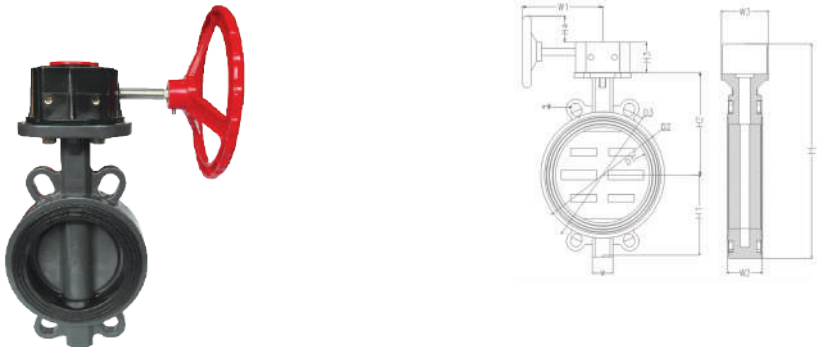


Specification of Material							
NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Body	PVC/CPVC/PPH	1	6	O-Ring	EPDM/FPM	1
2	Seat Seal	EPDM/FPM	1	7	Key	Steel	1
3	Disc	PVC/CPVC/PPH	1	8	Gear-box	Iron	2
4	Bolt	SS304	2	9	Handle Wheel	Iron	2
5	Stem	Steel/SS304/SS316	1	10	Pin	Steel	1

Dimensions Unit:mm										
SIZE	Inch	4"	5"	6"	8"	10"	12"	14"	16"	20"
	DN	100	125	150	200	250	300	350	400	500
ØD		228	258	287	344	412	460	500	565	670
P.C.D. ØD1	DIN	180	210	240	295	350	400	460	515	620
	ANSI	191	216	241	298	362	432	476	540	
	JIS	175	210	240	290	355	400	445	510	
Ød		98	122	146	199	255	302	345	395	490
L		54	64	70	88	98	108	88	98	135
Ø1		145	280	280	280	280	280	380	380	280
L1		120	200	200	200	220	220	280	280	
H1		140	168	181	215	260	280	410	490	520
H		340	385	417	487	551	595	670	770	865
M		120	180	180	180	180	180	250	250	
N		90	100	100	100	130	130	220	220	
n-Øe	DIN	8-Ø19	8-Ø19	8-Ø23	8-Ø23	12-Ø25	12-Ø25	16-Ø25	16-Ø27	20-Ø32
	ANSI	8-Ø19	8-Ø19	8-Ø23	8-Ø23	12-Ø25	12-Ø25	12-Ø29	16-Ø29	
	JIS	8-Ø19	8-Ø19	8-Ø23	12-Ø23	12-Ø25	16-Ø25	16-Ø25	16-Ø27	
PN	PSI	150	150	150	150	100	100	60	60	60
	MPa	1	1	1	1	0.6	0.6	0.4	0.4	0.4

PVC Butterfly Valve-Model 2 (Gear Handle) »

SWD0028



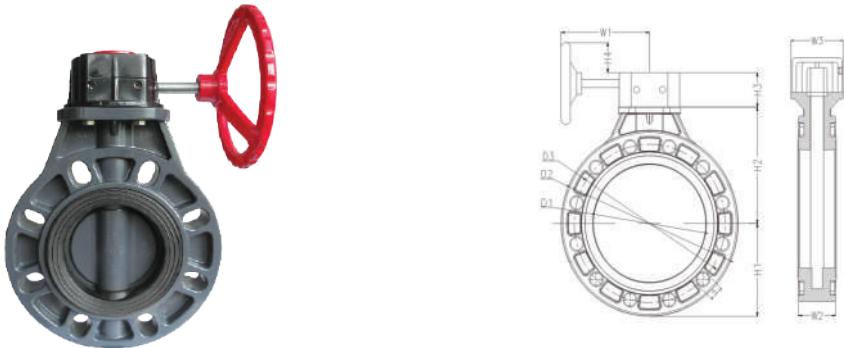
DIN Specification												
DN	D1	D2	D3	H1	H2	H3	H4	W	W1	W2	W3	n-φ e
50	55	98	120	81	124	63	55	32	170	44	100	4x18
65	66	98	140	89.5	129	63	55	32	170	46	100	4x18
80	80	128	150	97.5	145	63	55	32	170	57	100	4x18
100	104	154	175	113	160	63	55	35	170	60	100	4x18
125	127	180	210	128	175	63	55	40	170	66	100	4X18
150	151	205	240	140	190	63	55	40	170	72	100	4x22
200	200	262	290	173	219.5	63	55	44	170	68	100	4x22

ANSI Specification												
DN	D1	D2	D3	H1	H2	H3	H4	W	W1	W2	W3	n-φ e
2"	55	98	125	81	124	63	55	32	170	44	100	4x19
2-1/2"	66	98	145	89.5	129	63	55	32	170	46	100	4x19
3"	80	128	160	97.5	145	63	55	32	170	57	100	4x19
4"	104	154	191	113	160	63	55	35	170	60	100	4x19
5"	127	180	216	128	175	63	55	40	170	66	100	4x22
6"	151	205	241	140	190	63	55	40	170	72	100	4x22
8"	200	262	298	173	219.5	63	55	44	170	68	100	4x22

JIS Specification												
DN	D1	D2	D3	H1	H2	H3	H4	W	W1	W2	W3	n-φ e
50A	55	98	120	81	124	63	55	32	170	44	100	4x19
65A	66	98	140	89.5	129	63	55	32	170	46	100	4x19
80A	80	128	150	97.5	145	63	55	32	170	57	100	4x19
100A	104	154	175	113	160	63	55	35	170	60	100	4x19
125A	127	180	210	128	175	63	55	40	170	66	100	4x23
150A	151	205	240	140	190	63	55	40	170	72	100	4x23
200A	200	262	290	173	219.5	63	55	44	170	92	100	4x23
200A	200	262	290	173	219.5	63	55	44	170	68	100	4X23

PVC Butterfly Valve-Model 3 (Gear Handle)»

SWD0029



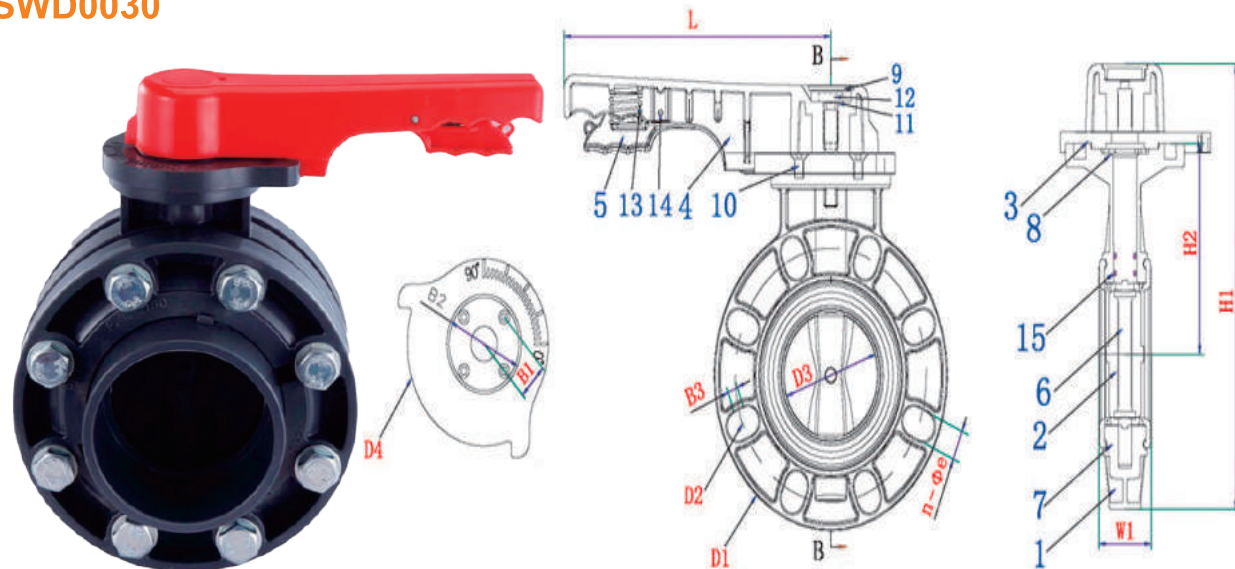
DIN Specification												
DN	D1	D2	D3	H1	H2	H3	H4	W1	W2	W3	n-φ e	
50	55	162	120	81	124	63	55	170	44	100	4x18	
65	66	179	140	89.5	129	63	55	170	46	100	4x18	
80	80	195	150	97.5	145	63	55	170	57	100	8x18	
100	104	225	175	113	160	63	55	170	60	100	8x18	
125	127	255	210	128	175	63	55	170	66	100	8x18	
150	151	280	240	140	190	63	55	170	72	100	8x22	
200	200	340	290	173	219.5	63	55	170	68	100	8x22	

ANSI Specification												
DN	D1	D2	D3	H1	H2	H3	H4	W1	W2	W3	n-φ e	
2"	55	162	125	81	124	63	55	170	44	100	4x19	
2-1/2"	66	179	145	89.5	129	63	55	170	46	100	4x19	
3"	80	195	160	97.5	145	63	55	170	57	100	4x19	
4"	104	225	191	113	160	63	55	170	60	100	8x19	
5"	127	255	216	128	175	63	55	170	66	100	8x22	
6"	151	280	241	140	190	63	55	170	72	100	8x22	
8"	200	340	298	173	219.5	63	55	170	68	100	8x22	

ANSI Specification												
DN	D1	D2	D3	H1	H2	H3	H4	W1	W2	W3	n-φ e	
50A	55	162	120	81	124	63	55	170	44	100	4x19	
65A	66	179	140	89.5	129	63	55	170	46	100	4x19	
80A	80	195	150	97.5	145	63	55	170	57	100	4x19	
100A	104	225	175	113	160	63	55	170	60	100	4x19	
125A	127	255	210	128	175	63	55	170	66	100	4x23	
150A	151	280	240	140	190	63	55	170	72	100	4x23	
200A	200	340	290	173	219.5	63	55	170	68	100	4x23	

PVC Butterfly Valve With Flange »

SWD0030

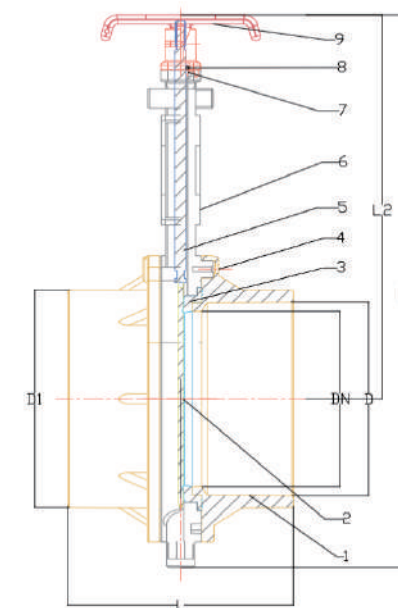


Specification of material							
No.	Parts	Material	QTY	No.	Parts	Material	QTY
1	Body	U-PVC	1	2	Disc	U-PVC	1
3	Dial	U-PVC	2	4	Handle	U-PVC	1
5	Lever	U-PVC	1	6	Stem	SS304/Ganalized	1
7	Seat Seal	TPV	1	8	Locking Plate	U-PVC	1
9	Cap	U-PVC	1	10	Self Tapping Screw	SS304	1
11	Washer	SS304	1	12	Bolt	SS304	1
13	Spring	SS304	1	14	Pin	SS304	1
15	O-Ring	EPDM	2				

Size	D1	D2	D3	D4	D5	B1	B2	B3	L	W1	H1	H2	N- ϕ
63(2")	162	128.6	53.38	108.2	87.9	15.4	59	6	224	37.2	241	110	4-20.5
75(2-1/2")	180	145	65	108.2	107.2	15.4	59	8.6	224	43	248	123	4-20.5
90(3")	190	160.7	80	108.2	120	15.4	59	8.5	224	44	281.6	133	8-19
110(4")	222	188.7	105	108.2	143	15.4	59	5.19	224	49	309	148	8-21.5
125(5")	258	210	125	108.2	168.6	15.4	59	9.5	224	64	370	167	8-25
160(6")	287	246.7	153.6	108.2	196.75	15.4	59	3.05	332.6	68.1	379.2	184.5	8-25
200(8")	341	295.7	200	108.2	244.93	15.4	59	3.73	323.6	88	433.7	212	8-25

PVC Slide Gate Valve »

SWD0031

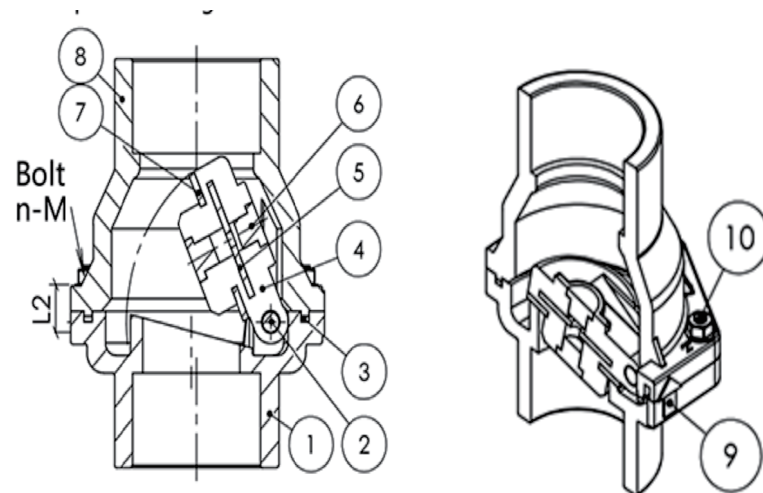


Specification of material					
No.	Parts	Material	No.	Parts	Material
1	End Connector	UPVC	2	Valve Disc	ABS/1Cr13
3	Seat Seal	TPV	4	Bolt	A2
5	Stem	1Cr13	6	Body	UPVC
7	Lining	ABS	8	O-Ring	NBR/EPDM
9	Handle	ABS			

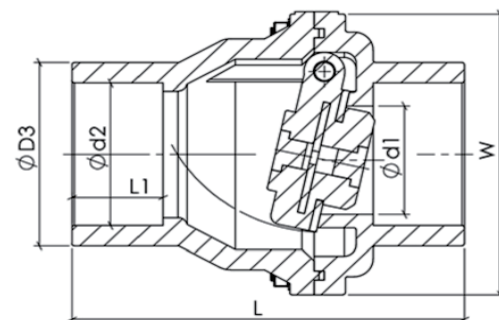
Dimensions Unit:mm							
SIZE	DN	L	L1	L2	D	D1	Material Remark
mm(inch)							
32mm (1")	28	69	148	105	32	42.5	"Handle-ABS Disc-ABS"
40mm (1-1/4")	32	73	148	105	40	50.5	
50mm (1-1/2")	40	88	176	127	50	58	
63mm (2")	50	106	202	145	63	72.5	
75mm (2-1/2")	65	121	300	214	75	90	
90mm (3")	80	126	300	214	90	108	"Handle-ABS Disc-SS/1Cr13"
110mm (4")	100	128	330	230	110	128	
160mm (6")	150	184	470	328	160	180	

PVC Swing Check Valve »

SWD0032



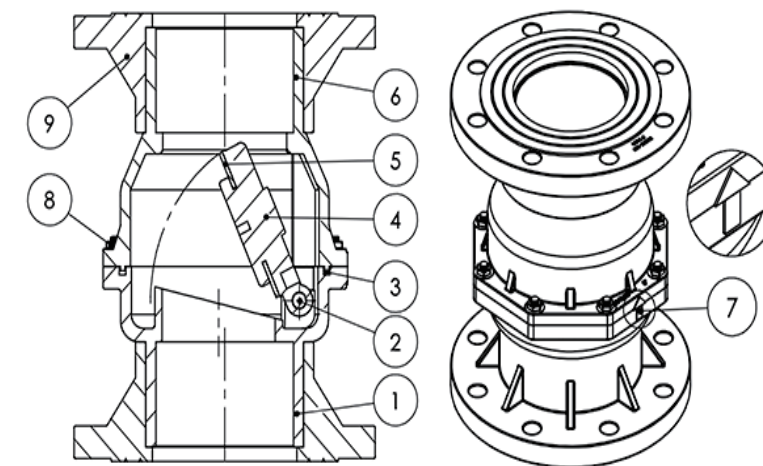
NO.	Part	MATERIAL
1	Bottom Body	U-PVC
2	Shaft	M-PVC
3	Body Seal	EPDM
4	Flapper	M-PVC
5	Inside Steel	45# Steel
6	Cap	U-PVC
7	Seat Seal	EPDM
8	Upper Body	U-PVC
9	Flow Arrow	U-PVC
10	Bolt Sets	304/316 Stainless steel



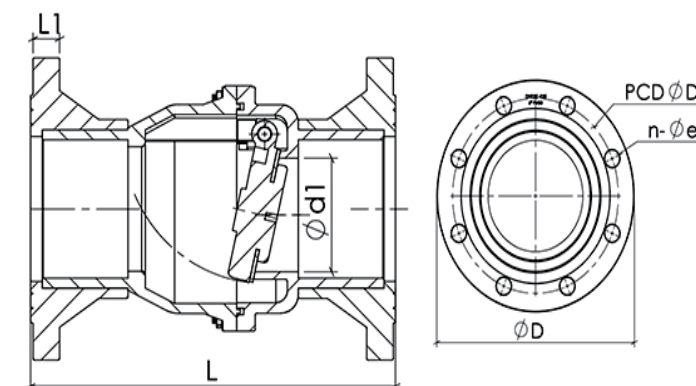
DN	Inch	MPa	$\phi d1$	$\phi d2$				$\phi D3$	L	L1	W	Bolt Sets n-MxL2	Weightg
				DIN	ANSI	JIS	BS						
DN20	3/4"	1.0	18	25	26.67	26	26.6	36	96	23	64	4-M6x25	185
DN25	1"	1.0	23	32	33.34	32	33.4	46	107	25	75	4-M6x25	278
DN32	1-1/4"	1.0	31	40	42.16	38	42.1	55	129	35	110	6-M6x25	472
DN40	1-1/2"	1.0	39	50	48.26	48 我	48.1	65	146	37	120	6-M6x25	600
DN50	2"	1.0	48	63	60.28	60	60.2	80	161	38	141	6-M6x25	750
DN65	2-1/2"	1.0	64	75	73.03	76	75.2	94	193	45	152	8-M8x30	1250
DN80	3"	1.0	78	90	88.9	89	88.7	112	230	55	178	8-M8x30	1580
DN100	4"	1.0	98	110	114	114	114.1	135	296	74	202	8-M8x30	2830
DN150	6"	1.0	146	160	165	165	168	194	375	90	292	12-M8x40	8500

PVC Flange Type Swing Check Valve »

SWD0033



NO.	Part	MATERIAL	QTY
1	Lower Body	U-PVC	1
2	Shaft	U-PVC	1
3	Body Seal	EPDM	1
4	Flapper	M-PVC	1
5	Seat Seal	EPDM	1
6	Upper Body	U-PVC	1
7	Flow Arrow	U-PVC	1
8	Bolt Sets	SS304/SS316	8-12
9	Flange	U-PVC	2



Size	PN	ϕD	PCD $\phi D2$	n- ϕe	L1	L	$\phi d1$
DN125(5")	10	248	210	8-18	23	310	98
DN200(8")	10	348	295	8-23	26	400	146

PVC Single Union Ball Check Valve (UPVC/CPVC/PPH) »

SWD0034



Size:1/2"-4"
Joint End:Socket(ANSI/DIN/JIS/CNS)
Threaded:(NPT/BSPT)
Full Ball/Half Ball
Working Pressure:150PSI

No.	Item	Material	Qty
1	End Connector	UPVC/CPVC/PPH	1
2	Union Nut	UPVC/CPVC/PPH	1
3	Seat Seal	EPDM/VITON	1
4	Gasket	UPVC/CPVC/PPH	1
5	Ball	UPVC/CPVC/PPH	1
6	Body	UPVC/CPVC/PPH	1

No.	Item	Material	Qty
1	End Connector	UPVC/CPVC/PPH	1
2	Union Nut	UPVC/CPVC/PPH	1
3	Seat Seal	EPDM/VITON	1
4	Gasket	UPVC/CPVC/PPH	1
5	Ball	UPVC/CPVC/PPH	1
6	Body	UPVC/CPVC/PPH	1
7	Spring	SUS304	1

SIZE	d	d1				d2				D	L	L1
		ANSI	DIN	JIS	CNS	ANSI	DIN	JIS	CNS			
1/2"(15)	15	21.4	20.25	22.3	22.4	21.25	20.05	21.85	21.9	54	91	23
3/4"(20)	20	26.75	25.25	26.3	26.4	26.58	25.05	25.85	25.9	63	106.5	26
1"(25)	25	33.52	32.25	32.33	34.5	33.28	32.05	31.85	33.9	73.5	125	29
1-1/4"(32)	32	42.28	40.25	38.43	42.5	42.05	40.05	37.85	41.9	84.5	141	33
1-1/2"(40)	40	48.4	50.25	48.46	48.6	48.12	50.05	47.75	47.9	98	150.5	35.5
2"(50)	50	60.45	63.25	60.56	60.6	60.18	63.05	59.75	59.9	119	169.5	38.5
2-1/2"(65)	63	73.3	75.25	76.6	76.7	72.85	75.05	75.87	75.9	150	245	64.5
3"(80)	75	89.25	90.35	89.6	89.7	88.7	90.05	88.83	88.9	169	270	70

PVC True Union Ball Check Valve(UPVC/CPVC/PPH) »

SWD0035



Size:1/2"-4"
Joint End:Socket(ANSI/DIN/JIS/CNS)
Threaded:(NPT/BSPT)
Full Ball/Half Ball
Working Pressure:150PSI

No.	Item	Material	Qty
1	End Connector	UPVC/CPVC/PPH	2
2	Union Nut	UPVC/CPVC/PPH	2
3	Seat Seal	EPDM/VITON	1
4	Gasket	UPVC/CPVC/PPH	1
5	Ball	UPVC/CPVC/PPH	1
6	Body	UPVC/CPVC/PPH	1
7	O-Ring	EPDM/VITON	1

No.	Item	Material	Qty
1	End Connector	UPVC/CPVC/PPH	2
2	Union Nut	UPVC/CPVC/PPH	2
3	Seat Seal	EPDM/VITON	1
4	Gasket	UPVC/CPVC/PPH	1
5	Ball	UPVC/CPVC/PPH	1
6	Body	UPVC/CPVC/PPH	1
7	O-Ring	EPDM/VITON	1
8	Spring	SUS304	1

SIZE	d	d1				d2				D	L	L1
		ANSI	DIN	JIS	CNS	ANSI	DIN	JIS	CNS			
1/2"(15)	15	21.4	20.25	22.3	22.4	21.25	20.05	21.85	21.9	54	91	23
3/4"(20)	20	26.75	25.25	26.3	26.4	26.58	25.05	25.85	25.9	63	106.5	26
1"(25)	25	33.52	32.25	32.33	34.5	33.28	32.05	31.85	33.9	73.5	125	29
1-1/4"(32)	32	42.28	40.25	38.43	42.5	42.05	40.05	37.85	41.9	84.5	141	33
1-1/2"(40)	40	48.4	50.25	48.46	48.6	48.12	50.05	47.75	47.9	98	150.5	35.5
2"(50)	50	60.45	63.25	60.56	60.6	60.18	63.05	59.75	59.9	119	169.5	38.5

PVC Wafer Check Valve »

SWD0040



DN	Inch	φ d2	φ d1	L	φ D	Kpa	Weight/kg	Bolt Sets
DN50	2"	63	25	32	106	1.0	0.29	4-M16x90
DN65	2-1/2"	75	32	32	126	1.0	0.41	4-M16x90
DN80	3"	90	41	36	140	1.0	0.54	8-M16x100
DN100	4"	110	58	36	161	1.0	0.69	8-M16x100
DN125	5"	140	73	46	192	1.0	1.23	8-M16x140
DN150	6"	160	94	46	220	1.0	1.64	8-M20x150
DN200	8"	200	120	50	272	0.6	2.75	8-M20x170
DN250	10"	250	160	58	328	0.6	4.3	8-M20x210
DN300	12"	315	210	60	380	0.6	5.63	8-M20x210
DN350	14"	355	225	72	432	0.4	10	8-M20x240
DN400	16"	400	272	72	484	0.4	11.56	16-M22x240

PVC Flange Type Ball Check Valve »

SWD0036



Size:1/2"-4"
Standard:DIN/ANSI /JIS

SWD0037



Size:1/2"-4"
Standard:DIN/ANSI /JIS

PVC Y Strainer »

SWD0038



Size:1/2"-4"
Standard:DIN/ANSI /JIS

SWD0039



Size:1/2"-4"
Standard:DIN/ANSI /JIS

Flow Meter/ Rotameter »

SWD0100



Size: 1/2"-3"
Standard:DIN/ANSI

Y Type Check Valve »

SWD0101



Size: 1/2"-3"
Standard:DIN/ANSI

PVC Foot Valve »

SWD0041



Size: 3/4"-1-1/4"

SWD0042



Size: 1-1/2"-2"

SWD0043



Size: 1-1/2"-2"

SWD0043



Size: 1/2"-4"

PVC Ball Foot Valve »

SWD0044



Size: 1/2"-4"

SWD0045



Size: 1/2"-4"

SWD0046



Size: 1/2"-4"

SWD0046



Size: 1"-4"

PA Air Release Valve »

SWD0047



Size: 3/4"-1"

SWD0048



Size: 3/4"-1"

SWD0049



Size: 1"-2"

SWD0050



Size: 3/4"-2"

Irrigation Valves

SWD0051



Size: 16x1/2" / 16x3/4"
20x1/2" / 20x3/4"
25x1" / 25x3/4"

SWD0052



Size: 25x3/4" / 32x3/4"

SWD0053



Size: 25x25 / 32x32

SWD0054



Size: 16x17

SWD0055



Size: 14x16 / 16x20

SWD0056



Size: 17x1/2" / 17x3/4"

SWD0057



Size: 16x16 / 20x20

SWD0058



Size: 16x16 / 20x20

SWD0059



Size: 16x16 / 20x20

SWD0060



Size: 16x16 / 20x20

SWD0061



Size: 16x17

SWD0062



Size: 14x17

SWD0063



Size: 17x17

SWD0064



Size: 16x17 / 20x17

SWD0065



Size: 17x17

Irrigation Sprinklers & Filter

SWD0066



Size:1-1/2"F

SWD0067



Size:3/4" F / 1"F

SWD0068



Size:3/4"M

SWD0069



Size:1/2"M

SWD0070



Size:3/4"-2 1/2"

SWD0071



Size:3/4"-1"

SWD0072



Size:1 1/4"-2"

SWD0073



Size:3"-4"

SWD0074



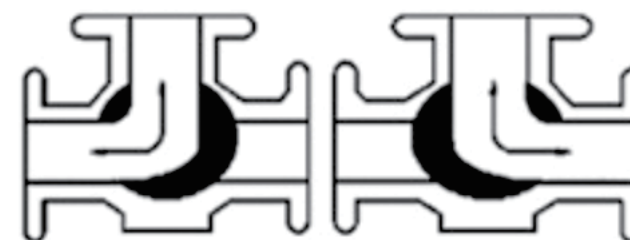
Size:3"-4"

PVC Three Way Ball Valve »

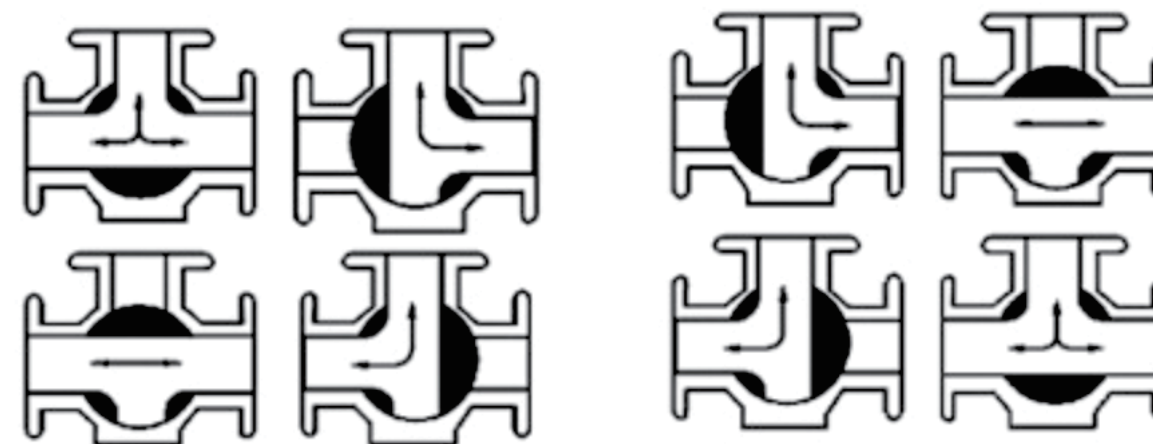
SWD0075



Size:1/2"-2"
Joint End:Socket(ANSI/DIN/JIS/CNS)
Threaded(NPT/BSPT)
Working Pressure:150 PSI
Actuator can be installed



L style can adjust two flow directions

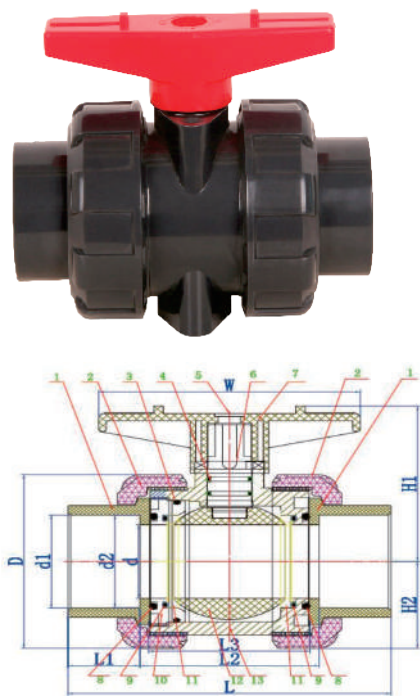


T style can adjust four flow directions



True Union Ball Valve (UPVC/CPVC/PPH) »

SWD0076

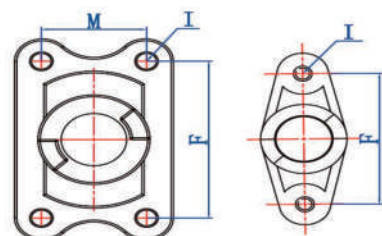


Size:1/2"-4"

Joint End:Socket(ANSI/DIN/JIS/CNS)

Threaded(NPT/BSPT)

Working Pressure:150 PSI



No.	Item	Material	Qty	Unit
3/4/8/9	O-ring	EPDM/VITON	7	pcs
1	End Connector	UPVC/CPVC/PPH/PVDF	2	pcs
2	Union Nut	UPVC/CPVC/PPH/PVDF	2	pcs
5	Handle Cap	ABS	1	pcs
6	Stem	UPVC/CPVC/PPH/PVDF	1	pcs
7	Handle	ABS	1	pcs
10	Seal Carrier	UPVC/CPVC/PPH/PVDF	1	pcs
11	Seat	PTFE	2	pcs
12	Ball	UPVC/CPVC/PPH/PVDF	1	pcs
13	Body	UPVC/CPVC/PPH/PVDF	1	pcs

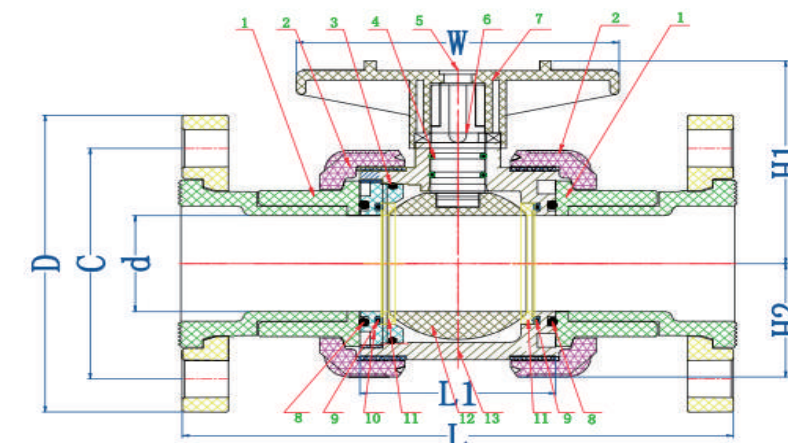
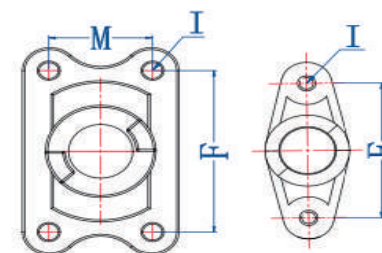
SIZE	d	d1				d2			
		ANSI	DIN	JIS	CNS	ANSI	DIN	JIS	CNS
1/2"(15)	15	21.4	20.25	22.3	22.4	21.25	20.05	21.85	21.9
3/4"(20)	20	26.75	25.25	26.3	26.4	26.58	25.05	25.85	25.9
1"(25)	25	33.52	32.25	32.33	34.5	33.28	32.05	31.85	33.9
1-1/4"(32)	32	42.28	40.25	38.43	42.5	42.05	40.05	37.85	41.9
1-1/2"(40)	40	48.4	50.25	48.46	48.6	48.12	50.05	47.75	47.9
2"(50)	50	60.45	63.25	60.56	60.6	60.18	63.05	59.75	59.9
2-1/2"(65)	63	73.3	75.25	76.6	76.7	72.85	75.05	75.87	75.9
3"(80)	75	89.25	90.35	89.6	89.7	88.7	90.05	88.83	88.9
4"(100)	90	114.6	110.35	114.7	115	114.1	110.05	113.98	113.8

SIZE	D	L	L1	L2	L3	W	H1	H2	F	M	I	Operating torque (N.M)
1/2"(15)	54	106	23	60	52	84	52.5	27.5	31	-	M6	2
3/4"(20)	63	114	26	62	54	90	59	32	33	-	M6	2.5
1"(25)	73.5	128	29	70	62	106	67.5	37.25	40	-	M6	4
1-1/4"(32)	84.5	144	33	78	70	116	77.5	42.75	52	-	M8	5
1-1/2"(40)	98	158.5	35.5	87.5	79.5	128	90	50	52	-	M8	7.5
2"(50)	118	172	38.5	95	85	140	106	60	70	-	M8	8.5
2-1/2"(65)	150	278	64.5	144.5	132.5	198	136.5	76.5	84	45	M10	13
3"(80)	169	310	70	166	150	218	149.5	86	84	45	M10	16
4"(100)	190	352	84	181	157	235	166	98	121	49	M12	25



Flanged Type Ball Valve (UPVC/CPVC/PPH) »

SWD0077

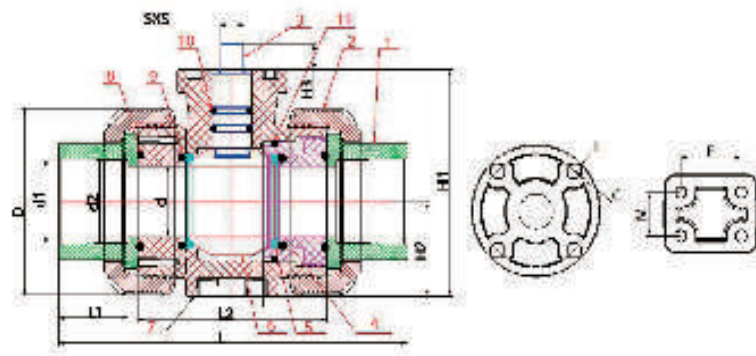


No.	Item	Material	Qty	Unit
3/4/8/9	O-ring	EPDM/VITON	7	pcs
1	End Connector	UPVC/CPVC/PPH	2	pcs
2	Union Nut	UPVC/CPVC/PPH	2	pcs
5	Handle Cap	ABS	1	pcs
6	Stem	UPVC/CPVC/PPH	1	pcs
7	Handle	ABS	1	pcs
10	Seal Carrier	UPVC/CPVC/PPH	1	pcs
11	Seat	PTFE	2	pcs
12	Ball	UPVC/CPVC/PPH	1	pcs
13	Body	UPVC/CPVC/PPH	1	pcs
14	Flange buckle	UPVC / CPVC / PPH	2	pcs

SIZE	d	C			D	L	L1	W	H1	H2	F	M	I	n-φe
		ANSI	JIS	DIN										
1/2"(15)	15	60.5	70	65	95	144	52	84	52.5	27.5	31	-	M6	4-15
3/4"(20)	20	70	75	75	105	142	54	90	59	32	33	-	M6	4-15
1"(25)	25	79.2	90	85	125	162	62	106	67.5	37.25	40	-	M6	4-19
1-1/4"(32)	32	89	100	100	140	184	70	116	77.5	42.75	52	-	M8	4-19
1-1/2"(40)	40	98	105	110	150	192.5	79.5	128	90	50	52	-	M8	4-19
2"(50)	50	121	120	125	165	217	85	140	106	60	70	-	M8	4-19
2-1/2"(65)	63	140	140	145	182	304.5	132.5	210	136.5	76.5	84	45	M10	4-19
3"(80)	75	150	152	160	200	330	150	235	149.5	86	84	45	M10	8-19
4"(100)	90	175	191	180	228	378	172	260	175	107	121	49	M12	8-19

PVC True Union Ball Valve With Bracket

SWD0078



No.	Item	Material	Qty	Unit
8/9/10/11	O-ring	EPDM/VITON	7	pcs
1	End Connector	UPVC/CPVC	2	pcs
2	Union Nut	UPVC/CPVC	2	pcs
3	Stem	PPO	1	pcs
4	Seal Carrier	UPVC/CPVC	1	pcs
5	Seat	PTFE	1	pcs
6	Ball	UPVC	1	pcs
7	Body	UPVC	1	pcs

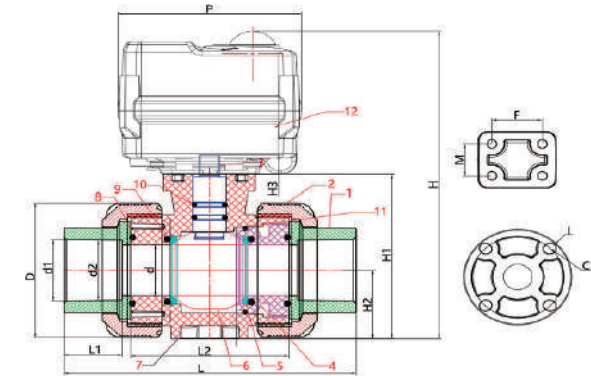
Joint End: Socket (ANSI /DIN / JIS/ CNS)
Threaded (PT/NPT/BSPF)
Working Pressure: 150PSI

SIZE	d	d1				d2			
		ANSI	DIN	JIS	CNS	ANSI	DIN	JIS	CNS
1/2"(15)	15	21.4	20.25	22.3	22.4	21.25	20.05	21.85	21.9
3/4"(20)	20	26.75	25.25	26.3	26.4	26.58	25.05	25.85	25.9
1"(25)	25	33.52	32.25	32.33	34.5	33.28	32.05	31.85	33.9
1-1/4"(32)	32	42.28	40.25	38.43	42.5	42.05	40.05	37.85	41.9
1-1/2"(40)	40	48.4	50.25	48.46	48.6	48.12	50.05	47.75	47.9
2"(50)	50	60.45	63.25	60.56	60.6	60.18	63.05	59.75	59.9
2-1/2"(65)	63	73.3	75.25	76.6	76.7	72.85	75.05	75.35	75.4
3"(80)	75	89.25	90.35	89.6	89.6	88.7	90.05	88.3	88.3

SIZE	D	L	L1	L2	H1	H2	H3	SXS	F	M	C	I	Operating torque (N.M)
1/2"(15)	54	123	23	67	66	27.5	8.0	9x9	/	20.00	36	M5	2.0
3/4"(20)	63	136	26	74	77.5	32	8.0	9x9	20.0	/	36	M5	2.5
1"(25)	73.5	147	29	77	89.5	37.25	8.0	11x11	26.0	19.00	36	M5	4.0
1-1/4"(32)	84.5	164	33	88	103	42.75	12.0	11x11	28.0	20.00	50	M6	5.0
1-1/2"(40)	98	176	35.5	93	116	50	12.0	11x11	35.0	27.00	50	M6	7.5
2"(50)	118	196	38.5	105	138	60	13.0	11x11	35.0	27.00	50	M6	8.5
2-1/2"(65)	150	278	64.5	134	171	76	15.0	14x14	38.0	46.00	70	M8	10
3"(80)	170	305	70	148	194	88	15.0	14x14	50.0	46.00	70	M8	12

PVC Electrical True Union Ball Valve (Modle 1) »

SWD0079



No.	Item	Material	Qty	Unit
8/9/10/11	O-ring	EPDM/VITON	7	pcs
1	End Connector	UPVC/CPVC	2	pcs
2	Union Nut	UPVC/CPVC	2	pcs
3	Stem	PPO	1	pcs
4	Seal Carrier	UPVC/CPVC	1	pcs
5	Seat	PTFE	1	pcs
6	Ball	UPVC	1	pcs
7	Body	UPVC	1	pcs
12	Electric Actuator	ABS	1	pcs

Joint End: Socket (ANSI /DIN / JIS/ CNS)
Threaded (PT/NPT/BSPF)
Working Pressure: 150PSI

SIZE	d	d1				d2			
		UPVC/CPVC				UPVC/CPVC			
		ANSI	DIN	JIS	CNS	ANSI	DIN	JIS	CNS
1/2"(15)	15	21.40	20.25	22.30	22.40	21.25	20.05	21.85	21.90
3/4"(20)	20	26.75	25.25	26.30	26.40	26.58	25.05	25.85	25.90
1"(25)	25	33.52	32.25	32.33	34.50	33.28	32.05	31.85	33.90
1-1/4"(32)	32	42.28	40.25	38.43	42.50	42.05	40.05	37.85	41.90
1-1/2"(40)	40	48.40	50.25	48.46	48.60	48.12	50.05	47.75	47.90
2"(50)	50	60.45	63.25	60.56	60.60	60.18	63.05	59.75	59.90
2-1/2"(65)	63	73.30	75.35	76.60	76.70	72.85	75.05	75.35	75.40
3"	75	89.30	90.45	89.6	89.6	88.7	90.05	88.3	88.3

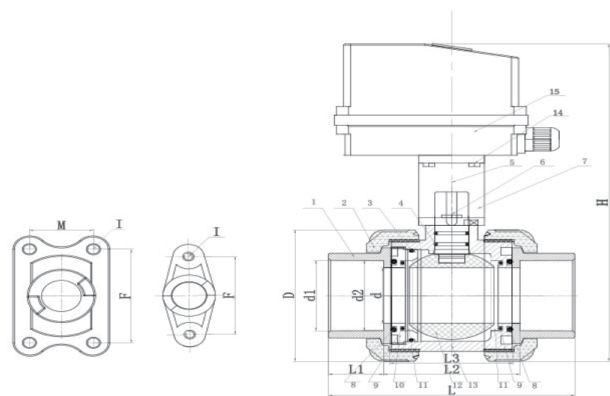
SIZE	D	L	L1	L2	P	H	H1	H2	H3	SXS	F	M	C	I	Operating torque (N. M)
1/2" (15)	54.00	123.00	23.00	67.00	90.0	142.0	66.0	27.5	8.0	9*9	/	20.00	36	M5	2.0
3/4"(20)	63.00	136.00	26.00	74.00	90.0	153.5	77.5	32.0	8.0	9*9	20.00	/	36	M5	2.5
1"(25)	73.50	147.0	29.00	77.00	90.0	165.5	89.5	37.25	8.0	11*11	26.0	19.00	36	M5	4.0
1-1/4"(32)	84.50	164.00	33.00	88.00	102.00	193.0	103.0	42.75	12.0	11*11	28.00	20.00	50	M6	5.0
1-1/2"(40)	98.00	176.00	35.50	93.00	102.00	206.0	116.0	50.00	12.0	11*11	35.00	27.00	50	M6	7.5
2" (50)	118.00	196.00	38.50	105.00	102.00	228.0	138.0	60.00	13.0	11*11	35.00	27.00	50	M6	8.5
2-1/2"(65)	150.00	278.00	64.00	134.00	132.00	292.0	171.0	76.00	15.0	14*14	38.00	46.00	70	M8	10.0
3"(80)	170.0	305.00	70.00	148.00	132.00	315.0	194.0	88.00	15.0	14*14	50.00	46.00	70	M8	12.00

PVC Electrical True Union Ball Valve (Modle 2) »

SWD0080



Size:1/2"-4"
Joint End:Socket(ANSI/DIN/JIS/CNS)
Threaded(NPT/BSPT)
Working Pressure:150 PSI



No.	Item	Material	Qty	Unit
3/4/8/9	O-ring	EPDM/VITON	7	pcs
1	End Connector	UPVC/CPVC/PPH	2	pcs
2	Union Nut	UPVC/CPVC/PPH	2	pcs
5	Adaptor	SUS304	1	pcs
6	Stem	UPVC/CPVC/PPH	1	pcs
7	Support	UPVC/SUS304	1	pcs
10	Seal Carrier	UPVC/CPVC/PPH	1	pcs
11	Seat	PTFE	2	pcs
12	Ball	UPVC/CPVC/PPH	1	pcs
13	Body	UPVC/CPVC/PPH	1	pcs
14	Srew	SUS304	6-8	pcs
15	Electric Actuator	SUS304	1	pcs

SIZE	d	d1				d2			
		ANSI	DIN	JIS	CNS	ANSI	DIN	JIS	CNS
1/2"(15)	15	21.4	20.25	22.3	22.4	21.25	20.05	21.85	21.9
3/4"(20)	20	26.75	25.25	26.3	26.4	26.58	25.05	25.85	25.9
1"(25)	25	33.52	32.25	32.33	34.5	33.28	32.05	31.85	33.9
1-1/4"(32)	32	42.28	40.25	38.43	42.5	42.05	40.05	37.85	41.9
1-1/2"(40)	40	48.4	50.25	48.46	48.6	48.12	50.05	47.75	47.9
2"(50)	50	60.45	63.25	60.56	60.6	60.18	63.05	59.75	59.9
2-1/2"(65)	63	73.3	75.25	76.6	76.7	72.85	75.05	75.87	75.9
3"(80)	75	89.25	90.35	89.6	89.7	88.7	90.05	88.83	88.9
4"(100)	90	114.6	110.35	114.7	115	114.1	110.05	113.98	113.8

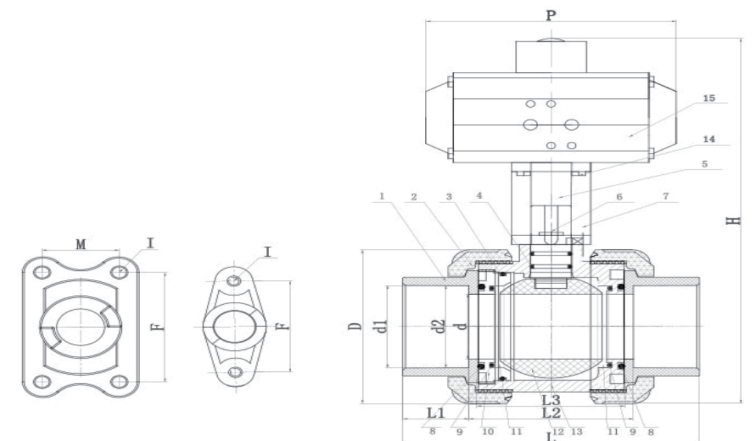
SIZE	D	L	L1	L2	L3	H	F	M	I	Operating torque (N.M)
1/2"(15)	54	106	23	60	52	148	31	-	M6	2
3/4"(20)	63	114	26	62	54	153	33	-	M6	2.5
1"(25)	73.5	128	29	70	62	184	40	-	M6	4
1-1/4"(32)	84.5	144	33	78	70	190	52	-	M8	5
1-1/2"(40)	98	158.5	35.5	87.5	79.5	196	52	-	M8	7.5
2"(50)	118	172	38.5	95	85	245	70	-	M8	8.5
2-1/2"(65)	150	278	64.5	144.5	132.5	287	84	45	M10	13
3"(80)	169	310	70	166	150	296	84	45	M10	16
4"(100)	190	352	84	181	157	330	121	49	M12	25

PVC Pneumatic True Union Ball Valve »

SWD0081



Size:1/2"-4"
Joint End:Socket(ANSI/DIN/JIS/CNS)
Threaded(NPT/BSPT)
Working Pressure:150 PSI



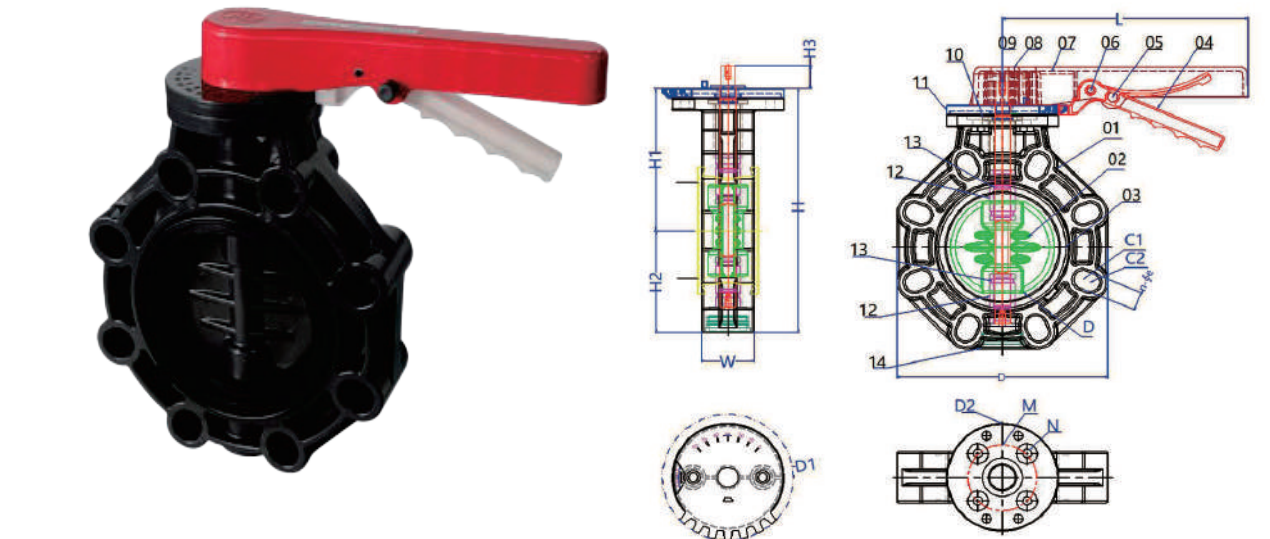
No.	Item	Material	Qty	Unit
3/4/8/9	O-ring	EPDM/VITON	7	pcs
1	End Connector	UPVC / CPVC/PPH	2	pcs
2	Union Nut	UPVC/CPVC/PPH	2	pcs
5	Adaptor	SUS304	1	pcs
6	Stem	UPVC/CPVC/PPH	1	pcs
7	Support	UPVC/SUS304	1	pcs
10	Seal Carrier	UPVC/CPVC/PPH	1	pcs
11	Seat	PTFE	2	pcs
12	Ball	UPVC/CPVC/PPH	1	pcs
13	Body	UPVC/CPVC/PPH	1	pcs
14	Srew	SUS304	6-8	pcs
15	Pneumatic Actuator	SUS304	1	pcs

SIZE	d	d1				d2			
		ANSI	DIN	JIS	CNS	ANSI	DIN	JIS	CNS
1/2"(15)	15	21.4	20.25	22.3	22.4	21.25	20.05	21.85	21.9
3/4"(20)	20	26.75	25.25	26.3	26.4	26.58	25.05	25.85	25.9
1"(25)	25	33.52	32.25	32.33	34.5	33.28	32.05	31.85	33.9
1-1/4"(32)	32	42.28	40.25	38.43	42.5	42.05	40.05	37.85	41.9
1-1/2"(40)	40	48.4	50.25	48.46	48.6	48.12	50.05	47.75	47.9
2"(50)	50	60.45	63.25	60.56	60.6	60.18	63.05	59.75	59.9
2-1/2"(65)	63	73.3	75.25	76.6	76.7	72.85	75.05	75.87	75.9
3"(80)	75	89.25	90.35	89.6	89.7	88.7	90.05	88.83	88.9
4"(100)	90	114.6	110.35	114.7	115	114.1	110.05	113.98	113.8

SIZE	D	L	L1	L2	L3	P	H	F	M	I	Operating torque (N.M)
1/2"(15)	54	106	23	60	52	84	148	31	-	M6	2
3/4"(20)	63	114	26	62	54	90	153	33	-	M6	2.5
1"(25)	73.5	128	29	70	62	106	184	40	-	M6	4
1-1/4"(32)	84.5	144	33	78	70	116	190	52	-	M8	5
1-1/2"(40)	98	158.5	35.5	87.5	79.5	128	196	52	-	M8	7.5
2"(50)	118	172	38.5	95	85	140	245	70	-	M8	8.5
2-1/2"(65)	150	278	64.5	144.5	132.5	198	287	84	45	M10	13
3"(80)	169	310	70	166	150	218	296	84	45	M10	16
4"(100)	190	352	84	181	157	235	330	121	49	M12	25

Lever Handle Butterfly Valve For Industry (UPVC/CPVC/PPH) »

SWD0082



Size:2-1/2"-8"

Joint End: FLANGE (ANSI /DIN / JIS/ CNS)

Working Pressure: 150PSI

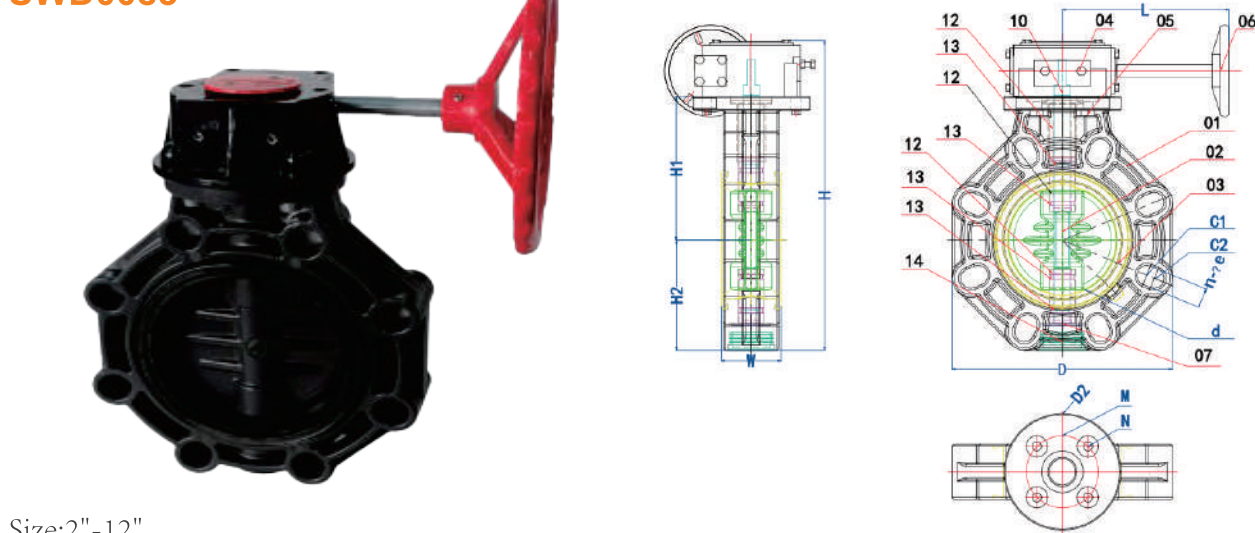
NO.	Part	Material	QTY	Unit
01	Body	UPVC/CPVC	1	PCS
02	Disc	UPVC/CPVC/PP	1	PCS
03	Seat Seal	EPDM/VITON	1	PCS
04	Lever	POM	1	PCS
05	Safety Pin	POM	1	PCS
06	Pin	SUS304	1	PCS
07	Lever	ABS	1	PCS
08	Mark Cap	ABS	1	PCS
09	Screw	SUS304	4	PCS
10	Stem	SUS304/316	1	PCS
10	Plate	PVC-U/PP	1	PCS
12	Shaft Sleeve	PP	3	PCS
13	O-Ring	EPDM/VITON	6	PCS
14	Bottom Cap	PP	1	PCS



SIZE	d	CI	C2	H	HI	H2	H3	W	D	DI	D2	M	N	L	n-ϕe		Operating torque (N. M)
															JIS	DIN/ANSI	
2-1/2"(65)	65	139	145	201	120	81	23	48	156	130.8	112	70	9	165	4-19		18
3"(80)	80	150	160	232	136	96	23	50	190	130.8	112	70	9	165	8-19		20
4"(100)	102	175	191	293	148	107	23	53	211	130.8	112	70	9	165	8-19		30
5"(125)	126	210	216	323	164	118	23	66	238	130.8	112	70	9	165	8-23		33
6"(150)	148	239	242	362	180	132	30	72	263	155	136	102	11	210	8-23		48
8"(200)	195	290	298	435	217	167	33	72	335	155	136	102	11	210	12-23	8-23	80

Gear Type Butterfly Valve For Industry (UPVC/CPVC/PPH)

SWD0083



Size:2"-12"

Joint End: FLANGE (ANSI /DIN / JIS/ CNS)

Working Pressure: 150PSI

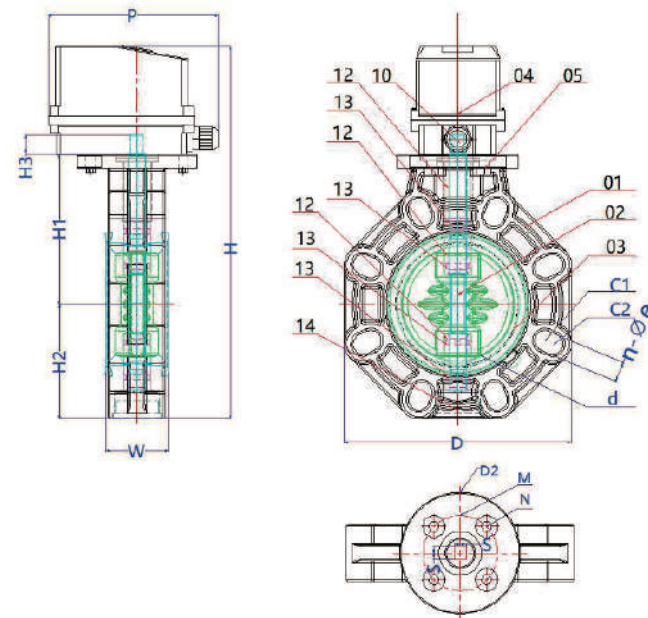
NO.	Part	Material	QTY	Unit
01	Body	UPVC/CPVC	1	PCS
02	Disc	UPVC/CPVC/PP	1	PCS
03	Seat Seal	EPDM/VITON	1	PCS
04	Gear-box	FC20	1	PCS
05	Bolt	SUS304	4	PCS
06	Handle	FC20	1	PCS
07	Screw	SUS304	1	PCS
10	Stem	SUS304/316	1	PCS
12	Shaft Sleeve	PP	3	PCS
13	O-Ring	EPDM/VITON	6	PCS
14	Bottom Cap	PP	1	PCS
12	Shaft Sleeve	PP	3	PCS
13	O-Ring	EPDM/VITON	6	PCS
14	Bottom Cap	PP	1	PCS



SIZE	d	CI	C2	H	HI	H2	w	D	D2	M	N	L	n-ϕe		Operating Torque (N. M)
													JIS	DIN/ANSI	
2" (50)	65	120	125	210	120	81	48	156	112	70	9	165	4-19		18
2-1/2"(65)	65	139	145	210	120	81	48	156	112	70	9	165	4-19		18
3" (80)	80	150	160	242	136	96	50	190	112	70	9	165	8-19		20
4" (100)	102	175	191	305	148	107	53	211	112	70	9	165	8-19		30
5"(125)	126	210	216	333	164	118	66	238	112	70	9	165	8-23		33
6" (150)	148	239	242	372	180	132	72	263	136	70/102	11	215	8-23		48
8"(200-225)	195	290	298	443	205	167	72	335	136	102	11	215	12-23	8-23	80
10"(250-280)	245	335	362	585	294	227	114	453	136	102	11	215	12-26		120
12" (300)	295	400	432	616	306	239	114	477	136	102	11	215	14-26	12-26	150

Electrical Butterfly Valves (UPVC / CPVC) »

SWD0084



Size:2"-12"

Joint End: FLANGE (ANSI / DIN / JIS/ CNS)

Working Pressure: 150PSI

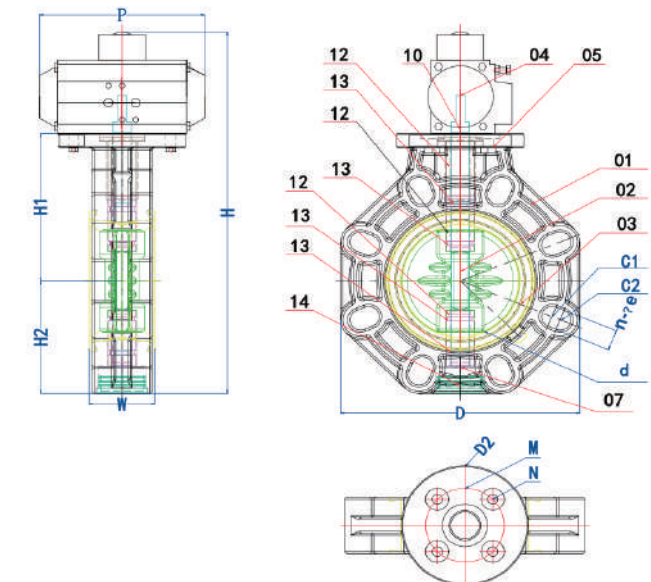
NO.	Part	Material	QTY	Unit
01	Body	UPVC/CPVC	1	PCS
02	Disc	UPVC/CPVC/PP	1	PCS
03	Seat Seal	EPDM/VITON	1	PCS
04	Electric Actuator	ALLOY	1	PCS
05	Bolt	SUS304	4	PCS
07	Screw	SUS304	1	PCS
10	Stem	SUS304/316	1	PCS
12	Shaft Sleeve	PP	3	PCS
13	O-Ring	EPDM/VITON	6	PCS
14	Bottom Cap	PP	1	PCS



SIZE	d	C1	C2	H	H1	H2	H3	S	W	D	D2	M	N	P	n- ϕ e		Operating torque (N. M)
															JIS	DIN/ANSI	
2"(50)	65	120	125	317	110	86	17	9	48	172	112	70	9	132	4-19		18
2-1/2"(65)	65	139	145	317	110	86	17	9	48	172	112	70	9	132	4-19		18
3"(80)	80	150	160	343	126	96	17	11	50	190	112	70	9	132	8-19		20
4"(100)	102	175	191	366	138	107	17	11	53	211	112	70	9	132	8-19		30
5"(125)	126	210	216	393	154	118	18	11	66	238	112	70	9	132	8-23		33
6"(150)	148	239	242	422	168	132	20.5	14	72	263	136	70/102	11	165	8-23		48
8"(200)	195	290	298	494	205	167	22	17	72	335	136	102	11	165	12-23	8-23	80
10"(250-280)	245	335	362	693	294	227	25	22	114	453	195	102	11	270	12-26		120
12"(300)	295	400	432	718	306	239	25	22	114	477	195	102	11	270	14-26	12-26	150

Pneumatic Butterfly Valves (UPVC / CPVC) »

SWD0085



Size:2"-12"

Joint End: FLANGE (ANSI / DIN / JIS/ CNS)

Working Pressure: 150PSI

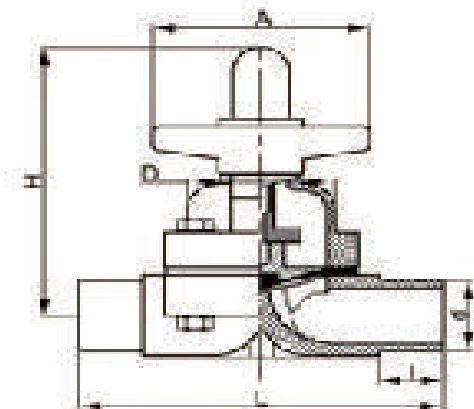
NO.	Part	Material	QTY	Unit
01	Body	UPVC/CPVC	1	PCS
02	Disc	UPVC/CPVC/PP	1	PCS
03	Seat Seal	EPDM/VITON	1	PCS
04	Pneumatic Actuator	ALLOY	1	PCS
05	Bolt	SUS304	4	PCS
07	Screw	SUS304	1	PCS
10	Stem	SUS304/316	1	PCS
12	Shaft Sleeve	PP	3	PCS
13	O-Ring	EPDM/VITON	6	PCS
14	Bottom Cap	PP	1	PCS



SIZE	d	C1	C2	H	H1	H2	W	D	D2	M	N	P	n- ϕ e		Operating torque (N.M)
													JIS	DIN/ANSI	
2"(50)	65	120	125	298	110	81	48	156	112	70	9	190	4-19		18
2-1/2"(65)	65	139	145	298	110	81	48	156	112	70	9	190	4-19		18
3"(80)	80	150	160	341	126	96	50	190	112	70	9	190	8-19		20
4"(100)	102	175	191	364	138	107	53	211	112	70	9	190	8-19		30
5"(125)	126	210	216	425	154	118	66	238	112	70	9	190	8-23		33
6"(150)	148	239	242	453	168	132	72	263	136	70/102	11	282	8-23		48
8"(200)	195	290	298	547	205	167	72	335	136	102	11	282	12-23	8-23	80
10"(250-280)	245	335	362	703	294	227	114	453	195	102	11	312	12-26		120
12"(300)	295	400	432	728	306	239	114	477	195	102	11	312	14-26	12-26	150

PVC Diaphragm Valve »

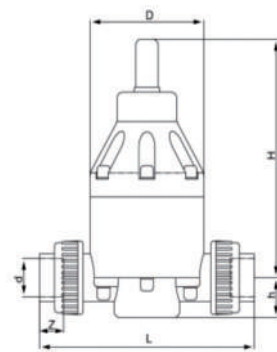
SWD0086



Size	d	A	L	I	H
DN15(1/2")	20	65	140	18.5	99
DN20(3/4")	25	65	142	21	99
DN25(1")	32	94	176	26	136
DN32(1 1/4")	40	94	180	28	136
DN40(1 1/2")	50	118	245	37	178
DN50(2")	63	118	258	37	178
DN65(2 1/2")	75	189	343	42.5	240
DN80(3")	90	189	365	50	240
DN100(4")	110	239	568	69	277

PVC Back Pressure Valve »

SWD0087



Size	L	H	D	d	z	h
DN15(1/2")	175	181	82	20	22	27
DN20(3/4")	175	181	82	25	19	29
DN25(1")	202	198	107	32	21	33
DN32(1-1/4")	251	198	107	40	31	35
DN40(1-1/2")	285	260	155	50	31	60
DN50(2")	355	260	155	63	39	60
DN65(2-1/2")	376	260	155	75	41	65

Other Different Type Valves For Industry »

SWD0088



PVC transparent True Union Ball Valve
Size:15(1/2")-100(4")

SWD0089



PVC True union ball valve
Size:15(1/2")-100(4")

SWD0090



PVC Sampling valve
Size:1/4"

SWD0091



Flange Safety Back Pressure Valve
Size:DN15-DN65

SWD0092



UPVC Diaphragm Valve
Size:15(1/2")-300(12")

SWD0093



CPVC Diaphragm Valve
Size:15(1/2")-300(12")

SWD0094



PPH Diaphragm Valve
Size:15(1/2")-300(12")

SWD0095



PVDF Diaphragm Valve
Size:15(1/2")-300(12")

SWD0096



UPVC Flange Type Globe Valve
Valve Size:DN15-150

SWD0097



CPVC Flange Type Globe Valve
Valve Size:DN15-150

SWD0098



PPH Flange Type Globe Valve
Valve Size:DN15-150

SWD0099



PVDF Flange Type Globe Valve
Valve Size:DN15-150