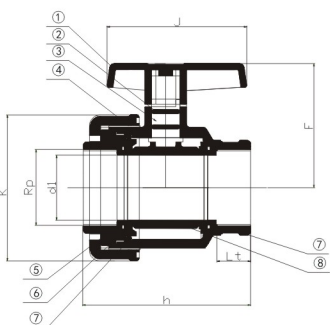




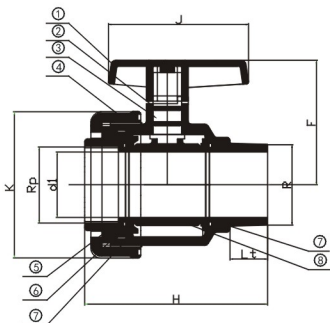
ITEM NO: UFF01

SINGLE UNION BALL VAVLE F/F

NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	Handle	PVC	1	5	End Connector	PVC	1
2	Stem O-Ring	EPDM	2	6	Seal Seat	TPE	2
3	Stem	PVC	1	7	Carrier O Ring	EPDM	1
4	Union Nut	PVC	1	8	Ball	PVC	1

Dimensions

Nom Size	DN	Lt	H	F	J	K	d1
3/4" x 3/4"	20	20	81	58	65	59	19
1" x 1"	25	22	91	67	75	67	23
1 1/4" x 1 1/4"	32	25	101	76	85	79	32
1 1/2" x 1 1/2"	40	25	109	83	94	93	39
2" x 2"	50	29	135	101	109	114	46
2 1/2" x 2 1/2"	65	36		127	138	144	64
3" x 3"	80	36	180	143	158	168	76
4" x 4"	100	49	228	169	180	210	97



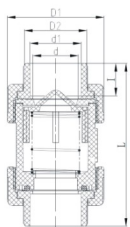
ITEM NO: UMF01

SINGLE UNION BALL VAVLE M/F

NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	Handle	PVC	1	5	End Connector	PVC	1
2	Stem O-Ring	EPDM	2	6	Seal Seat	TPE	2
3	Stem	PVC	1	7	Carrier O Ring	EPDM	1
4	Union Nut	PVC	1	8	Ball	PVC	1

Dimensions

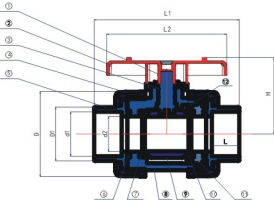
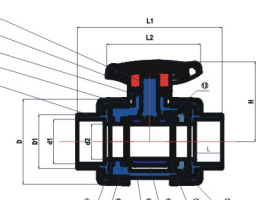
Nom Size	DN	Lt	H	F	J	K	d1
3/4" x 3/4"	20	16	80	58	65	59	19
1" x 1"	25	17	90	67	75	67	23
1 1/4" x 1 1/4"	32	21	106	76	85	79	32
1 1/2" x 1 1/2"	40	24	126	83	94	93	39
2" x 2"	50	26	145	101	109	114	46
2 1/2" x 2 1/2"	65	28	177	127	138	144	64
3" x 3"	80	35	204	143	158	168	76
4" x 4"	100	37	250	169	180	210	97



ITEM NO: UTS01

TRUE UNION SPRING CHECK VALVE

Nom Size	d	d1	D1	D2	I	L
50	44.6	50	92.8	61.4	32	160.3
63	54.8	63	114.8	77.6	38	193.2



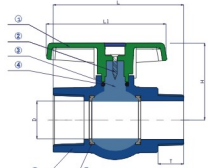
ITEM NO: UTB04

TRUE UNION BALL VALVE IV

NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	Stem	PVC	1	7	O-Ring	EPDM	2
2	Handle	ABS	1	8	Body	PVC	1
3	Stem O-Ring	EPDM	2	9	Ball	PVC	1
4	Union Nut	PVC	2	10	Seat Seal	PTFE	2
5	End Connector	PVC	2	11	Seat Carrier	PVC	1
6	Body O-Ring	EPDM	2	12	Carrier O-Ring	EPDM	1

Dimensions

Nom Size	d1	d2	D1	D	L	L1	L2	H
15mm(1/2")	20	14	30	50	22.5	121	72	50
20mm(3/4")	25	20	37	62	24.8	135	72	60
25mm(1")	32	25	45	69	28	150	90	70.5
32mm(1 1/4")	40	30	55	82	32	166	108	85
40mm(1 1/2")	50	38	64	99	35	181	122	99
50mm(2")	63	50	78	122	39	206	134	114.5
65mm(2 1/2")	75	64	96	148	48	234	170	132
80mm(3")	90	79	111	178	49	258.5	221	156
100mm(4")	110	99	141	219	64	309	250	173



ITEM NO: UCTB04

COMPACT BALL VALVE M/F

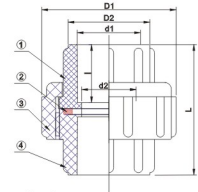
NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	Handle	PVC	1	4	Stem O-Ring	EPDM	1
2	Nail	304	1	5	Body	PVC	1
3	Ball	PP	1	6	Seal Seat	TPE	2

Dimensions

Nom Size	DN	D	L	L1	T	H
1/2" x 1/2"	40	35	139	107	24	59
2" x 2"	50	46	151	139	30	69



CPVC VALVES



ITEM:CU001

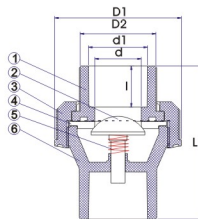
- SIZE:1/2 " -4 "
- END CONNECTOR: THREAD, SOCKET, FLANGE
- WORKING PRESSURE:150 PSI

UNION Specification of material

NO.	PART	MATERIAL	Q'TY
1	End Connector	CPVC	1
2	O-Ring	EPDM	1
3	Union Nut	CPVC	1
4	Body	CPVC	1

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D2	D1	I	L
15mm(1/2 ")	14	14	22	22	21.34	20	14	29.20	50.6	20.5	48
20mm(3/4 ")	14	14	26	26	26.67	25	19	34.5	56.7	22	53.6
25mm(1 ")	11.5	11	32	34	33.4	32	24	42.6	66.5	28	63
32mm(1 1/4 ")	11.5	11	38	42	42.16	40	32	52	81	30	72.6
40mm(1 1/2 ")	11.5	11	48	48	48.26	50	40	59	86.8	34.5	85
50mm(2 ")	11.5	11	60	60	60.33	63	45	72.1	105.8	40	103
65mm(2 1/2 ")	8	11	76	76	73.03	75	60	90	129	40	109
80mm(3 ")	8	11	89	89	88.9	90	80	103.5	145.5	48	125.5
100mm(4 ")	8	11	114	114	114.3	110	100	132.5	175	60	160



ITEM NO:CSU02

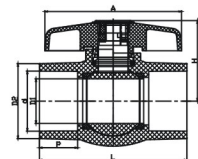
- SIZE:1/2 "-2"

SINGLE UNION SPRING CHECK VALVE Specification of material

NO.	PART	MATERIAL	Q'TY
1	Union Connector	CPVC	1
2	Gate	CPVC	1
3	Union Nut	CPVC	1
4	Space Seal	EPDM	1
5	Spring	STAINLESS STEEL	1
6	Body	CPVC	1

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D2	D1	I	L
15mm(1/2 ")	14	14	22	22	21.34	20	16	27.5	51.3	20.5	80
20mm(3/4 ")	14	14	26	26	26.67	25	19	35.5	65.5	22	86.5
25mm(1 ")	11.5	11	32	34	33.4	32	24	41.5	73.7	28.0	96
32mm(1 1/4 ")	11.5	11	38	42	42.16	40	32	51.6	86.8	30.0	105
40mm(1 1/2 ")	11.5	11	48	48	48.26	50	40	60.9	102	34.7	115.5
50mm(2 ")	11.5	11	60	60	60.33	63	49.8	75	119.8	40	141

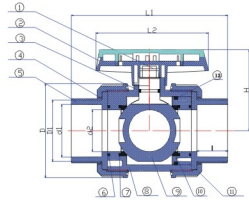


ITEM NO:CCV01

- SIZE:1/2 "-2"

COMPACT BALL VALVE

Nom Size	d	D1	D2	P	L	H	A
1/2 "	21.54	15	32.1	21.6	80	44.9	68.5
3/4 "	26.9	20	38.5	25	93.3	52	80.5
1 "	33.7	24	47	29	106.3	65	100
1 1/4 "	42.4	30	54	32	121.3	70	108
1 1/2 "	48.56	33.8	62	35.4	133.3	73.5	108
2 "	60.5	45	75.7	38.6	149	81	138

**ITEM NO:CTB01**

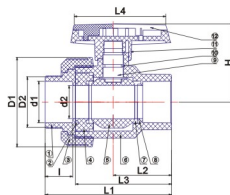
- SIZE:1/2" - 4"
- END CONNECTOR: THREAD, SOCKET, FLANGE
- WORKING PRESSURE:150PSI

TRUE UNION BALL VALVE Specification of material

NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	Stem	CPVC	1	7	O-Ring	EPDM	2
2	Handle	ABS	1	8	Body	CPVC	1
3	Stem O-Ring	EPDM	2	9	Ball	CPVC	1
4	Union Nut	CPVC	2	10	Seat Seal	PTFE	2
5	End Connector	CPVC	2	11	Seat Carrier	CPVC	1
6	Body O-Ring	EPDM	2	12	Carrier O-Ring	EPDM	1

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D1	D	I	L1	L2	H
15mm(1/2")	14	14	22	22	21.34	20	14	27.6	51.2	20.6	112.5	65	50.5
20mm(3/4")	14	14	26	26	26.67	25	18.7	35.6	65.5	24.6	130.2	75	58.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.6	73.7	28	142.5	85	65.7
32mm(1 1/4")	11.5	11	38	42	42.16	40	32	52	86.6	31	161	97	76.5
40mm(1 1/2")	11.5	11	48	48	48.26	50	40	59.5	102	31.5	166.5	110	86
50mm(2")	11.5	11	60	60	60.33	63	50	75	120	40	214	133.5	101.5
65mm(2 1/2")	8	11	76	76	73.03	75	60	87.5	135	40	228	161	112.5
80mm(3")	8	11	89	89	88.9	90	79	107.5	188	48	269	200	160.5
100mm(4")	8	11	114	114	114.3	110	99	132	216	56	309	240	173.5

**ITEM:CSU01**

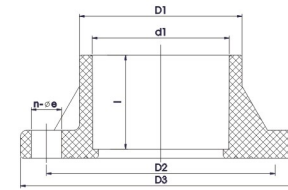
- SIZE:1/2" - 4"
- END CONNECTOR: THREAD, SOCKET, FLANGE
- WORKING PRESSURE:150 PSI

SINGLE UNION BALL VALVE Specification of material

NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	End Connector	CPVC	1	7	Seat Seal	PTFE	2
2	Carrier O-Ring	EPDM	1	8	O-Ring	EPDM	2
3	Union Nut	CPVC	1	9	Stem	CPVC	1
4	Seal Carrier	CPVC	1	10	Stem O-Ring	EPDM	2
5	Ball	CPVC	1	11	Handle	ABS	1
6	Body	CPVC	1				

Dimensions

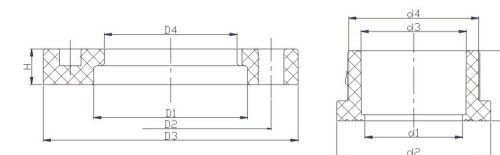
Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D2	D1	I	L1	L2	L3	L4	H
15mm(1/2")	14	14	22	22	21.34	20	14	27.6	51.3	20.6	95.8	25.3	67.3	65	49.5
20mm(3/4")	14	14	26	26	26.67	25	18.7	35.2	65.5	25	111.4	32.4	78.3	74.9	56.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.6	73.7	27.9	121.5	49.5	85.9	85	65
32mm(1 1/4")	11.5	11	38	42	42.16	40	32	49	86.6	27.0	130	57	99	97.1	76.5
40mm(1 1/2")	11.5	11	48	48	48.26	50	40	60.8	102	34.5	157.5	69.0	113.5	109.7	86.5
50mm(2")	11.5	11	60	60	60.33	63	50	74.5	120	40	190	81	136.5	190.0	102
65mm(2 1/2")	8	11	76	76	73.03	75	60	89	135	40	210	95.9	156	161	113.5
80mm(3")	8	11	89	89	88.9	90	79	107.5	188	48	254.6	120.9	196.5	199.4	161.5
100mm(4")	8	11	114	114	114.3	110	99	132	215.5	56	294	140.7	225	240	174

**ITEM NO: CTF01**

- SIZE:1/2" - 8"
- 235PSI MAXIMUM INTERNAL PRESSURE RATING @73° F
- MATERIAL : CPVC

TS FLANGE Dimensions

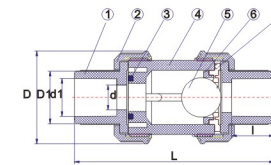
Nom Size	D1	D2	D3	d1 DIN	d1 ANSI	d1 JIS	d1 BS	I	n-o-e
20mm(1/2")	30	60.5	89	20	21.34	22	22	22	4-16
25mm(3/4")	34	70.5	98	25	26.67	26	26	23.5	4-16
32mm(1")	42.5	79.5	108	32	33.4	32	34	25.5	4-16
40mm(1 1/4")	52	89.5	118	40	42.16	38	42	32	4-16
50mm(1 1/2")	61.5	98.5	127	50	48.26	48	48	32.5	4-19
63mm(2")	76	120.5	151.5	63	60.33	60	60	35.8	4-19
75mm(2 1/2")	89.5	139.5	177.3	75	70.03	76	76	41	4-19
90mm(3")	107.5	152.5	191	90	88.9	89	89	48.5	4-19
110mm(4")	130.5	190.5	228.5	110	114.3	114	114	58.5	8-19
160mm(6")	188	240	280	160	168.3	165	168.3	132	8-23
200mm(8")	238	296	330	200	219.1	216	219.1	136	12-23

**ITEM:CVF01**

- SIZE:2" - 8"
- MATERIAL : CPVC

VAN STONE FLANGE Dimensions

Nom Size	d1	d2	d3	d4	h	D1	D2	D3	D4	H
2"	51	91.8	58	74.6	43.5	92.5	120	152.4	77.6	20.5
2 1/2"	68	107.2	73.4	90.6	49	107.6	140	177.6	92.6	24.8
3"	77.2	119.9	89.4	107	54.9	120.6	152.5	191.4	109.4	26.4
4"	102.4	152.5	110.4	131.8	64.8	153	191	229.7	134	28.5
6"	156	206	160.5	189.2	85	207.5	241	284	192.5	32
8"	204.2	260	201	237	119	261	296	342.2	239	36.2
225	200	274	225	247.5	118	126	250	294.5	339	32
250	242	327	250	282	133	140	284	350	399.7	34.5
315	299	377	315	345	165.5	174	347.5	402.5	450.8	36.5

**ITEM:VBC02****PVC BALL CHECK VALVE Specification of material**

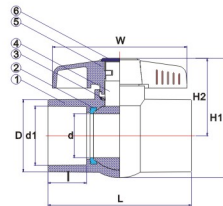
NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	End Connector	CPVC	2	5	Ball	CPVC	1
2	Union Nut	CPVC	2	6	Gland	CPVC	1
3	Stem O-Ring	EPDM	1	7	Seat	EPDM	1
4	Body	CPVC	1				

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D1	D	I	L
15mm(1/2")	14	14	22	22	21.34	20	15	27.5	51.3	20.5	105
20mm(3/4")	14	14	26	26	26.67	25	19.5	35.0	65.5	25	116.5
25mm(1")	11.5	11	32	34	33.4	32	25	41.6	73.7	28	130.5
32mm(1 1/4")	11.5	11	38	42	42.16	40	32	51.6	86.8	29.5	148.5
40mm(1 1/2")	11.5	11	48	48	48.26	50	40	60.9	102	34	168.5
50mm(2")	11.5	11	60	60	60.33	63	50	75	119.8	40	189



PLASTIC VALVES AND FITTINGS



ITEM NO:UCB01

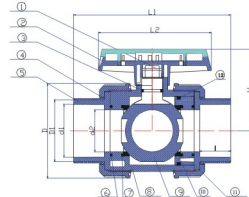
- SIZE:1/2" - 6"
- END CONNECTOR: THREAD, SOCKET
- WORKING PRESSURE:150PSI

COMPACT BALL VALVE Specification of material

NO.	PART	MATERIAL	Q'TY
1	Body	PVC,CPVC,PP	1
2	Seat Seal	TPE、PTFE	2
3	O-Ring	EPDM、FPM(NBR)	1
4	Ball	PVC,CPVC,PP	1
5	Handle	ABS	1
6	Cap	ABS	1

COMPACT BALL VALVE Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D	L	I	w	H1	H2
15mm(1/2")	14	14	22	22	21.34	20	14.5	32	80	22	68.5	64.3	44.9
20mm(3/4")	14	14	26	26	26.67	25	20	36.8	92	25	80.5	76	52
25mm(1")	11.5	11	32	34	33.4	32	24	45	106	28.0	100	94	65
32mm(1 1/4")	11.5	11	38	42	42.16	40	30	53.5	112.5	28.0	108	103	70
40mm(1 1/2")	11.5	11	48	48	48.26	50	34	62	129	33.0	108	112	73.5
50mm(2")	11.5	11	60	60	60.33	63	44	75.5	148	39.5	138	126	81
65mm(2 1/2")	8	11	76	76	73	75	56	92.5	177.5	39.5	192.5	166	108.5
80mm(3")	8	11	89	89	88.9	90	71	107	209	48	192.5	181	116
100mm(4")	8	11	114	114	114.3	110	86	134.5	294	78	262	236	151.5
6"	—	—	—	—	168.8	160	130.4	185.4	407	102.7	301.9	299.5	181.2



ITEM NO:UTB01

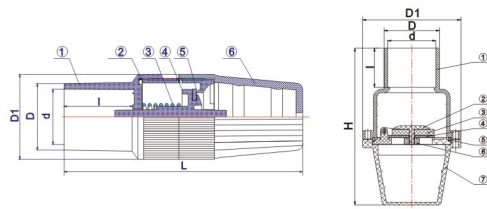
- SIZE:1/2" - 4"
- END CONNECTOR: THREAD, SOCKET, FLANGE
- WORKING PRESSURE:150PSI

TRUE UNION BALL VALVE Specification of material

NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	Stem	PVC·CPVC·PP	1	7	O-Ring	EPDM、FPM(NBR)	2
2	Handle	ABS	1	8	Body	PVC,CPVC,PP	1
3	Stem O-Ring	EPDM· FPM(NBR)	2	9	Ball	PVC, CPVC, PP	1
4	Union Nut	PVC· CPVC · PP	2	10	Seat Seal	PTFE	2
5	End Connector	PVC·CPVC·PP	2	11	Seat Carrier	PVC,CPVC,PP	1
6	BodY O-Ring	EPDM· FPM(NBR)	2	12	Carrier O-Ring	EPDM、FPM(NBR)	1

TRUE UNION BALL VALVE Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D1	D	I	L1	L2	H
15mm(1/2")	14	14	22	22	21.34	20	14	27.6	51.2	20.6	112.5	65	50.5
20mm(3/4")	14	14	26	26	26.67	25	18.7	35.6	65.5	24.6	130.2	75	58.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.6	73.7	28	142.5	85	65.7
32mm(1 1/4")	11.5	11	38	42	42.16	40	32	52	86.6	31	161	97	76.5
40mm(1 1/2")	11.5	11	48	48	48.26	50	40	59.5	102	31.5	166.5	110	86
50mm(2")	11.5	11	60	60	60.33	63	50	75	120	40	214	133.5	101.5
65mm(2 1/2")	8	11	76	76	73.03	75	60	87.5	135	40	228	161	112.5
80mm(3")	8	11	89	89	88.9	90	79	107.5	188	48	269	200	160.5
100mm(4")	8	11	114	114	114.3	110	99	132	216	56	309	240	173.5



ITEM NO:UFV01

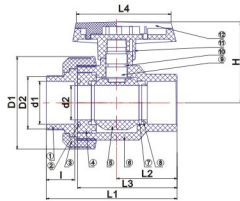
- SIZE:1/2 " -6 "
- END CONNECTOR: THREAD, SOCKET
- MATERIAL:PVC

FOOT VALVE Specification of material

NO.	PART	MATERIAL	Q'TY
1	Body	PVC	1
2	Connector	EPDM、FPM(NBR)	1
3	Spring	STAINLESS STEEL	1
4	Gate	PVC	1
5	Seal	EPDM、FPM(NBR)	1
6	Body	PVC	1

FOOT VALVE Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d	BS d	ANSI d	DIN d	D	D1	I	L
15mm(1/2 ")	14	14	22	22	21.34	20	31.0	43.7	31.0	137.0
20mm(3/4 ")	14	14	26	26	26.67	25	35.5	43.7	32.5	141.0
25mm(1 ")	11.5	11	32	34	33.4	32	41.9	43.7	32.8	141.0
32mm(1 1/4 ")	11.5	11	38	42	42.16	40	51.0	78	35.0	195.3
40mm(1 1/2 ")	11.5	11	48	48	48.26	50	60.3	78	56.0	217.4
50mm(2 ")	11.5	11	60	60	60.33	63	72.5	78	57.0	217.4
75mm(2 1/2 ")	8	11	76	76	73.03	75	90	171.6	73.5	293.4
90mm(3 ")	8	11	89	89	88.9	90	76.4	183.8	58.2	252
110mm(4 ")	8	11	114	114	114.3	110	115	216	91	360
160mm(6 ")	8	11	165	168.3	168.3	160	161	291	120	500



ITEM NO:USU01

- SIZE:1/2 " -4 "
- END CONNECTOR: THREAD, SOCKET, FLANGE
- WORKING PRESSURE:150 PSI

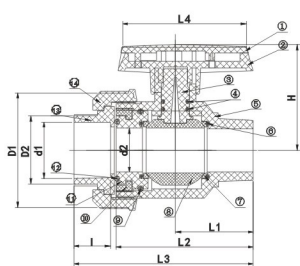
SINGLE UNION BALL VALVE Specification of material

NO.	PART	MATERIAL	Q'TY
1	End Connector	PVC,CPVC,PP	1
2	Carrier O-Ring	EPDM、FPM(NBR)	1
3	Union Nut	PVC,CPVC,PP	1
4	Seal Carrier	PVC,CPVC,PP	1
5	Ball	PVC,CPVC,PP	1
6	Body	PVC,CPVC,PP	1

NO.	PART	MATERIAL	Q'TY
7	Seat Seal	PTFE	2
8	O-Ring	EPDM、FPM(NBR)	2
9	Stem	PVC,CPVC,PP	1
10	Stem O-Ring	EPDM、FPM(NBR)	2
11	Handle	ABS	1

SINGLE UNION BALL VALVE Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D2	D1	I	L1	L2	L3	L4	H
15mm(1/2 ")	14	14	22	22	21.34	20	14	27.6	51.3	20.6	95.8	25.3	67.3	65	49.5
20mm(3/4 ")	14	14	26	26	26.67	25	18.7	35.2	65.5	25	111.4	32.4	78.3	74.9	56.5
25mm(1 ")	11.5	11	32	34	33.4	32	24	41.6	73.7	27.9	121.5	49.5	85.9	85	65
32mm(1 1/4 ")	11.5	11	38	42	42.16	40	32	49	86.6	27.0	130	57	99	97.1	76.5
40mm(1 1/2 ")	11.5	11	48	48	48.26	50	40	60.8	102	34.5	157.5	69.0	113.5	109.7	86.5
50mm(2 ")	11.5	11	60	60	60.33	63	50	74.5	120	40	190	81	136.5	190.0	102
65mm(2 1/2 ")	8	11	76	76	73.03	75	60	89	135	40	210	95.9	156	161	113.5
80mm(3 ")	8	11	89	89	88.9	90	79	107.5	188	48	254.6	120.9	196.5	199.4	161.5
100mm(4 ")	8	11	114	114	114.3	110	99	132	215.5	56	294	140.7	225	240	174



ITEM NO:USU04

- SIZE:1/2 " -4 "
- END CONNECTOR: THREAD, SOCKET
- WORKING PRESSURE:150 PSI

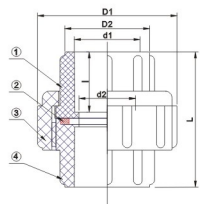
MALE SINGLE UNION BALL VALVE

NO.	PART	MATERIAL	Q'TY
1	Cover	PVC-U	1
2	Handle	ABS	1
3	Stem	PVC-U	1
4	Stem o-ring	EPDM	2
5	Body	PVC-U	1
6	O-ring	EPDM	2
7	Seat seal	PTFE	2

NO.	PART	MATERIAL	Q'TY
8	Ball	PVC-U	1
9	O-ring	EPDM	1
10	Seal	PVC-U	1
11	Seal carrier	PVC-U	1
12	O-ring	EPDM	1
13	End connector	PVC-U	1
14	Union nut	PVC-U	1

Dimensions

Nom Size	D1	D2	d1	d2	L1	L2	L3	L4	H	I
15mm(1/2 ")	47.8	26.4	20.3	14	40	67	88.5	59.2	49.8	17
20mm(3/4 ")	58.8	31.3	25.3	19	43	78	101.5	68.3	57.3	20
25mm(1 ")	68	38	32.4	32	50	86	112	78.3	64.4	23.4
32mm(1 1/4 ")	82.4	49	40.4	32.5	56.4	99.3	129.7	89.5	76	26.6
40mm(1 1/2 ")	94.6	59.5	50.4	40	68.2	115	151.8	101.3	86.6	31.5
50mm(2 ")	113	73.9	63.4	49.7	78	134	179	124.4	101	38.5
65mm(2 1/2 ")	128	87.8	67	59.5	90	151.8	203.8	149.9	113.1	44
80mm(3 ")	181	107.4	90.4	80	120.9	196	254.7	191.6	160	52
100mm(4 ")	204	132.2	106.5	96	139.5	224.5	295.8	191.6	230.3	62



ITEM NO:UU001

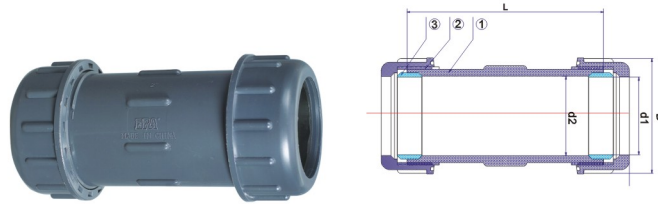
- SIZE:1/2 " -4 "
- END CONNECTOR: THREAD, SOCKET, FLANGE
- WORKING PRESSURE:150 PSI

UNION Specification of material

NO.	PART	MATERIAL	Q'TY
1	End Connector	PVC,CPVC	1
2	O-Ring	EPDM、FPM(NBR)	1
3	Union Nut	PVC,CPVC	1
4	Body	PVC,CPVC	1

UNION Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d2	D2	D1	I	L
15mm(1/2 ")	14	14	22	22	21.34	20	14	29.20	50.6	20.5	48
20mm(3/4 ")	14	14	26	26	26.67	25	19	34.5	56.7	22	53.6
25mm(1 ")	11.5	11	32	34	33.4	32	24	42.6	66.5	28	63
32mm(1 1/4 ")	11.5	11	38	42	42.16	40	32	52	81	30	72.6
40mm(1 1/2 ")	11.5	11	48	48	48.26	50	40	59	86.8	34.5	85
50mm(2 ")	11.5	11	60	60	60.33	63	45	72.1	105.8	40	103
65mm(2 1/2 ")	8	11	76	76	73.03	75	60	90	129	40	109
80mm(3 ")	8	11	89	89	88.9	90	80	103.5	145.5	48	125.5
100mm(4 ")	8	11	114	114	114.3	110	100	132.5	175	60	160

**ITEM NO:UCC01**

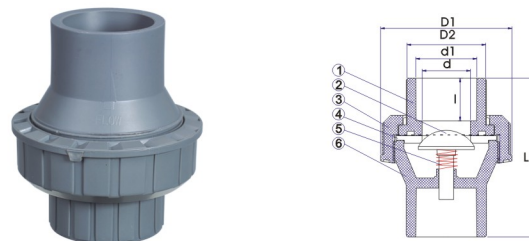
- SIZE:1/2"-4"
- SPECIFICATION:ASTM D2846 STANDARD
- WORKING PRESSURE:150PSI

■ COMPRESSION COUPLING Specification of material

NO.	PART	MATERIAL	Q'TY
1	Body	PVC	1
2	Union Nut	PVC	2
3	Seat	EPDM、FPM(NBR)	2

■ COMPRESSION COUPLING Dimensions

Nom Size	JIS d1	BS d1	ANSI d1	DIN d1	d2	D	L
15mm(1/2")	22	22	21.34	20	23	45.5	110.1
20mm(3/4")	26	26	26.67	25	28	53	110.1
25mm(1")	34	32	33.4	32	36	62.2	120.1
32mm(1 1/4")	42	38	42.16	40	44	69.6	129.2
40mm(1 1/2")	48	48	48.26	50	52	81	136.6
50mm(2")	60	60	60.33	63	64.5	94	159
65mm(2 1/2")	76	76	73.03	75	78	111.5	191.7
80mm(3")	89	89	88.9	90	92.7	127	221.7
100mm(4")	114	114	114.3	110	117.2	156.7	251.7

**ITEM NO:USU02**

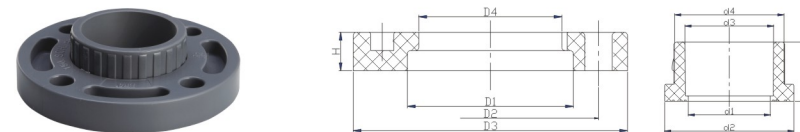
- SIZE:1/2"-4"
- SPECIFICATION:Schedule 40

■ SINGLE UNION SPRING CHECK VALVE Specification of material

NO.	PART	MATERIAL	Q'TY
1	Union Connector	PVC	1
2	Gate	PVC	1
3	Union Nut	PVC	1
4	Space Seal	EPDM、FPM(NBR)	1
5	Spring	STAINLESS STEEL	1
6	Body	PVC	1

■ SINGLE UNION SPRING CHECK VALVE Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D2	D1	I	L
15mm(1/2")	14	14	22	22	21.34	20	16	27.5	51.3	20.5	80
20mm(3/4")	14	14	26	26	26.67	25	19	35.5	65.5	22	86.5
25mm(1")	11.5	11	32	34	33.4	32	24	41.5	73.7	28.0	96
32mm(1 1/4")	11.5	11	38	42	42.16	40	32	51.6	86.8	30.0	105
40mm(1 1/2")	11.5	11	48	48	48.26	50	40	60.9	102	34.7	115.5
50mm(2")	11.5	11	60	60	60.33	63	49.8	75	119.8	40	141

**ITEM NO:UVF01**

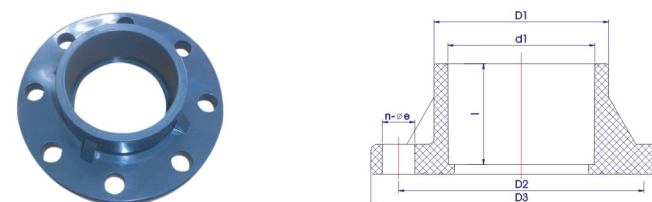
- SIZE:2'-12"
- MATERIAL : PVC

■ VAN STONE FLANGE Dimensions

Nom Size	d1	d2	d3	d4	h	D1	D2	D3	D4	H
2"	51	91.8	58	74.6	43.5	92.5	120	152.4	77.6	20.5
2 1/2"	68	107.2	73.4	90.6	49	107.6	140	177.6	92.6	24.8
3"	77.2	119.9	89.4	107	54.9	120.6	152.5	191.4	109.4	26.4
4"	102.4	152.5	110.4	131.8	64.8	153	191	229.7	134	28.5
6"	156	206	160.5	189.2	85	207.5	241	284	192.5	32
8"	204.2	260	201	237	119	261	296	342.2	239	36.2
10"	266.3	338	273.8	305.9	135	308	362	407	—	34.5
12"	316.4	394	324.6	361.5	162	363.5	432	484	—	36.5
225	200	274	225	247.5	118	126	250	294.5	339	32
250	242	327	250	282	133	140	284	350	399.7	34.5
315	299	377	315	345	165.5	174	347.5	402.5	450.8	36.5

**■ JIS FLANGE Dimensions**

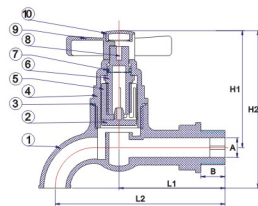
Nom Size	D	d ANSI	d DIN	d JIS	d BS	D1	D2	d1	L1	L2	L3	n-φe
3/4"	35.3	26.67	25	26	26	100	75	22	35	15	40	4-φ15
1"	43	33.4	32	32	34	125	89	25	40	15	46	4-φ19
1 1/4"	49	42.16	40	38	42	135	100	30	44	16	50.5	4-φ19
1 1/2"	60.5	48.26	50	48	48	140	105	41	55	16	61.5	4-φ19
2"	73.5	60.33	63	60	60	155	120	52	63	20	71	4-φ19
2 1/2"	90.5	73.03	75	76	76	175	140	67	61	22	70	4-φ19
3"	105.5	88.9	90	89	89	185	150	78	64	22	73	8-φ19
4"	131	114.3	110	114	114	210	175	100	83.5	22	95	8-φ19

**ITEM NO:UTF01**

- SIZE:1/2"-8"
- 235PSI MAXIMUM INTERNAL PRESSURE RATING @73°F
- MATERIAL : PVC

■ TS FLANGE Dimensions

Nom Size	D1	D2	D3	d1 DIN	d1 ANSI	d1 JIS	d1 BS	I	n-φe
20mm(1/2")	30	60.5	89	20	21.34	22	22	22	4-16
25mm(3/4")	34	70.5	98	25	26.67	26	26	23.5	4-16
32mm(1")	42.5	79.5	108	32	33.4	32	34	25.5	4-16
40mm(1 1/4")	52	89.5	118	40	42.16	38	42	32	4-16
50mm(1 1/2")	61.5	98.5	127	50	48.26	48	48	32.5	4-19
63mm(2")	76	120.5	151.5	63	60.33	60	60	35.8	4-19
75mm(2 1/2")	89.5	139.5	177.3	75	73.03	76	76	41	4-19
90mm(3")	107.5	152.5	191	90	88.9	89	89	48.5	4-19
110mm(4")	130.5	190.5	228.5	110	114.3	114	114	58.5	8-19
160mm(6")	188	240	280	160	168.3	165	168.3	132	8-23
200mm(8")	238	296	330	200	219.1	216	219.1	136	12-23



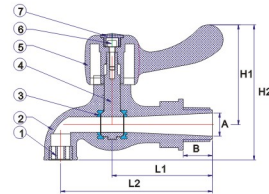
ITEM NO:UBC01
■ SIZE:1/2 " , 3/4 " IPS
■ END CONNECTOR: BSPT, NPT, THREAD
■ MATERIAL: PVC

■ BIBCOCK Specification of material

NO.	PART	MATERIAL	Q'TY
1	Body	PVC	1
2	Seal	TPE	1
3	O-Ring	EPDM、FPM(NBR)	1
4	Surcoat	PVC	1
5	Core Nut	ABS	1
6	Screw	ABS	1
7	Stem O-Ring	EPDM、FPM(NBR)	1
8	bolt	SUS304	1
9	Handle	PVC	1
10	Handle Cap	PS	1

■ Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	A	B	L1	L2	H1	H2
15mm(1/2 ")	14	14	11.6	13.7	61.5	99.5	72.5	95
20mm(3/4 ")	14	14	11.6	13.7	62.5	99.5	72.5	95



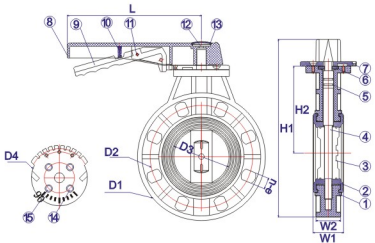
ITEM NO:UWF01
■ SIZE:1/2 " , 3/4 " IPS
■ END CONNECTOR: BSPT, NPT, THREAD
■ MATERIAL: PVC

■ ONE WAY FAUCET Specification of material

NO.	PART	MATERIAL	Q'TY
1	Nut	ABS	1
2	Body	PVC	1
3	Seat Seal	TPE	2
4	Ball	PVC	1
5	Handle	PVC	1
6	Union Nut	SS41	1
7	Handle Cap	ABS	1

■ Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	A	B	L1	L2	H1	H2
15mm(1/2 ")	14	14	13.8	17.7	62.5	92.9	56	80
20mm(3/4 ")	14	14	13.8	17.7	63	92.9	55.6	81.5



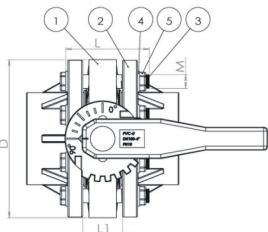
ITEM NO:UBV01
■ SIZE:2'- 8'
■ END CONNECTOR: FLANGE
■ WORKING PRESSURE:200PSI

■ BUTTERFLY VALVE Specification of material

NO.	PART	MATERIAL	Q'TY	NO.	PART	MATERIAL	Q'TY
1	Body	PVC	1	9	Small Handle	ABS	1
2	Seat Seal	EPDM、FPM(NBR)	1	10	Spring	SUS304	1
3	Gate	PVC	1	11	Pin	SUS304	1
4	Stem	SUS410	1	12	Bolt	SUS304	1
5	O-Ring	EPDM、FPM(NBR)	2	13	Handle Cap	ABS	1
6	Washer	ABS	1	14	Insered Bolt	SUS304	4
7	Locking Plate	PVC	1	15	Bolt cap	PVC	4
8	Large Handle	ABS	1				

■ Dimensions

Nom Size	D1	DIN D2	JIS D2	ANSI D2	D3	D4	L	H1	H2	W1	W2	DIN n-ø e	JIS n-ø e	ANSI n-ø e
50mm(2 ")	160.1	120	100	120.4	55.6	99.7	189.7	223.3	98.3	44	32	4-20	4-19	4-19
65mm(2 1/2 ")	179.8	141.2	140	139.5	68.7	99.7	189.0	247.0	111.6	48.3	32.4	4-18	4-19	4-19
80mm(3 ")	195.0	156.4	140	139.5	83.9	99.7	238.5	282.6	132.5	51.9	36.3	8-20	4-19	4-19
100mm(4 ")	228.1	183	150	152.4	103.2	99.7	239.5	319.4	155.4	54.5	44.1	8-20	8-19	8-19
125mm(5 ")	257	210.9	175	190.5	129.5	139	309.8	368	170.3	66.5	54.6	8-21.5	8-19	8-19
150mm(6 ")	285.4	238.5	240	241.5	151.1	140.0	309.8	400.8	187.5	73.1	56.4	8-24	8-23	8-22
200mm(8 ")	342.6	292.4	295	298.5	198.6	140.0	309.8	473.0	230.1	92.0	72.2	8-24	12-23	8-23



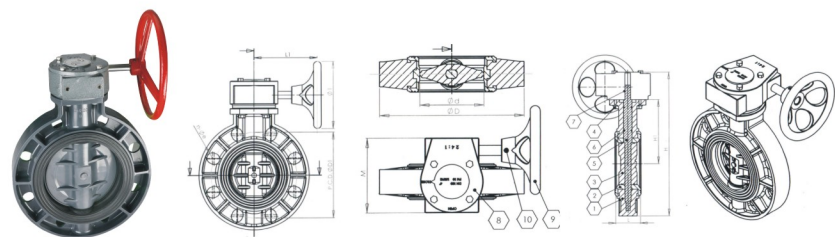
ITEM NO:UBV01
■ SIZE:2' -16'
■ END CONNECTOR: FLANGE
■ WORKING PRESSURE:200PSI

■ BUTTERFLY VALVE WITH FLANGE

NO.	PARTS	Q'TY
1	Butterfly valve	1
2	Flange	2
3	Bolt	
4	Washer	
5	Nut	

■ Dimensions

VALVE SIZE DN-INCH	FLANGE	D	L1	BOLT Q'TY	BOLT M
50X2"	63	160	43	4	M16
65X2 1/2"	75	180	46	4	M16
80X3"	90	196	49	8	M16
100X4"	110	228	54	8	M16
125X5"	125,140	258	64	8	M16
150X6"	160	287	70	8	M20
200X8"	200,225	344	88	8	M20
250X10"	250,280	412	98	12	M20
300X12"	315	460	108	12	M20
350X14"	350	500	88	16	M20
400X16"	400	565	96	16	M24



ITEM NO:UBV01
 ■ SIZE:4" -16"
 ■ WORKING PRESSURE:200PSI

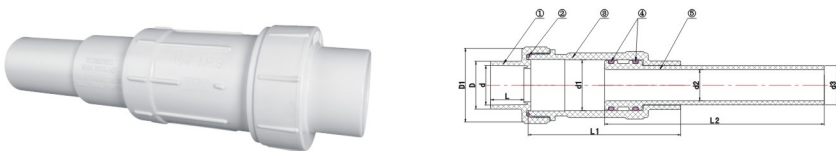
BUTTERFLY VALVE GEAR TYPE

NO.	PART	MATERIAL	Q'TY
1	BODY	PVC/CPVC/PPG	1
2	SEAT SEAL	EPDM/FPM	1
3	DISC	PVC/CPVC/PPG	1
4	BOLT	304	1
5	STEM	STEEL,304/316	1

NO.	PART	MATERIAL	Q'TY
6	O-RING	EPDM/FPM	2
7	KEY	STEEL	1
8	GEARBOX	IRON	1
9	HAND WHEEL	IRON	1
10	PIN	STEEL	1

Dimensions

SIZE	"	4"	5"	6"	8"	10"	12"	14"	16"
	DN	100	125	150	200	250	300	350	400
P.C.D. ØD1	ØD	228	258	287	344	412	460	500	565
	DIN	180	210	240	295	350	400	460	515
	ANSI	191	216	241	298	362	432	476	540
	JIS	175	210	240	290	355	400	445	510
	Ød1	98	122	146	199	255	302	345	395
	L	54	64	70	88	98	108	88	98
	Ø1	145	280	280	280	280	280	380	380
	L1	120	200	200	200	220	220	280	280
	H1	140	168	181	215	260	280	410	490
	H	340	385	417	487	551	595	670	770
	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
	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
	PSI	150	150	150	150	100	100	60	60
	MPa	1	1	1	1	0.6	0.6	0.4	0.4
Weight	Kg/PC	7.2	18	19	22	25	29	45	55



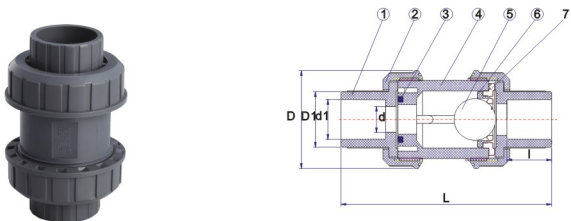
ITEM NO:UCC03

EXPANSION COUPLING Specification of material

NO.	PART	MATERIAL	Q'TY
1	Union Nut	PVC-U	1
2	Union nut Seal	NBR	1
3	Body	PVC-U	1
4	Core seal	NBR	2
5	core	PVC-U	1

Dimensions

Nom Size	D1	D	d	d1	d2	d3	L	L1	L2
1/2"	45	27.6	21.34	27.9	16.5	21.4	23.3	95	135
3/4"	51.4	33.2	26.67	33.6	21.1	26.7	25.3	110.7	159
1"	63	40.8	33.4	43.2	26.7	33.4	28.4	130.5	187.7
1 1/4"	73.2	50	42.16	51.3	34.8	42.2	31.5	149	209.5
1 1/2"	79.8	56.6	48.26	57.6	42.2	48.3	33.3	170	233.5
2"	92	69	60.33	70.3	52.2	60.3	34.8	181	244.5



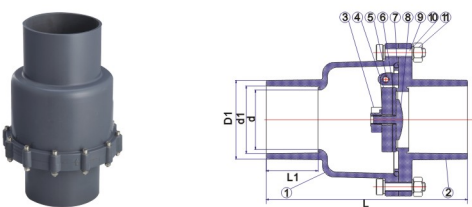
ITEM NO:UBC02

PVC BALL CHECK VALVE Specification of material

NO.	PART	MATERIAL	Q'TY
1	End Connector	PVC	2
2	Union Nut	PVC	2
3	Stem O-Ring	EPDM, FPM(NBR)	1
4	Body	PVC	1
5	Ball	PVC	1
6	Gland	PVC	1
7	Seat	EPDM, FPM(NBR)	1

Dimensions

Nom Size	NPT Thd./in	BSPT Thd./in	JIS d1	BS d1	ANSI d1	DIN d1	d	D1	D	I	L
15mm(1/2")	14	14	22	22	21.34	20	15	27.5	51.3	20.5	105
20mm(3/4")	14	14	26	26	26.67	25	19.5	35.0	65.5	25	116.5
25mm(1")	11.5	11	32	34	33.4	32	25	41.6	73.7	28	130.5
32mm(1 1/4")	11.5	11	38	42	42.16	40	32	51.6	86.8	29.5	148.5
40mm(1 1/2")	11.5	11	48	48	48.26	50	40	60.9	102	34	168.5
50mm(2")	11.5	11	60	60	60.33	63	50	75	119.8	40	189



ITEM NO:USV01

PVC SWING CHECK VALVE Specification of material

NO.	PART	MATERIAL	Q'TY
1	Exit Body	PVC	1
2	Entrance Body	PVC	1
3	Gate Nut	PVC	1
4	Disk	PVC	1
5	Pin	SUS304	1
6	Sheet Gasket	EPDM, FPM(NBR)	1
7	O-Ring	EPDM, FPM(NBR)	1
8	Sheet Gasket Holder	PVC	1
9	Bolt	SUS304	see table
10	Washer	SUS304	see table
11	Nut	SUS304	see table

Dimensions

Nom Size	JIS d1	BS d1	ANSI d1	DIN d1	d	D1	L1	L	N-øe
65mm(2 1/2")	76	76	73.03	75	68.3	89	58.0	226.2	8
80mm(3")	89	89	88.9	90	83	103.6	73.0	264.4	8
100mm(4")	114	114	114.3	110	101	131.6	90.0	358	8
150mm(6")	165.0	166	168.3	160	147	182	113.0	422.4	12



ITEM NO:UCV01

■ SPRING CHECK VALVE II Specification of material

NO.	PART	MATERIAL	Q'TY
1	Exit body	PVC-U	1
2	Stainless plug	stainless steel	1
3	Spring	stainless steel	1
4	Core	PVC-U	1
5	Core frame	PVC-U	1
6	O-ring	NBR	1
7	Entrance body	PVC-U	1

■ Dimensions

Nom Size	D1	D	BS(d)	ANSI(d)	DIN(d)	L	H
1/2"	45.2	30.5	22	21.34	20	23	103
3/4"	45.2	35.5	26	26.67	25	27	113.6
1"	57.5	43	34	33.4	32	28	142
1 1/4"	79.6	52	42	42.16	40	30.6	156
1 1/2"	79.8	60.2	48	48.26	50	36	167.4
2"	103.6	72	60	60.33	63	40.6	194.8



ITEM NO:USU03

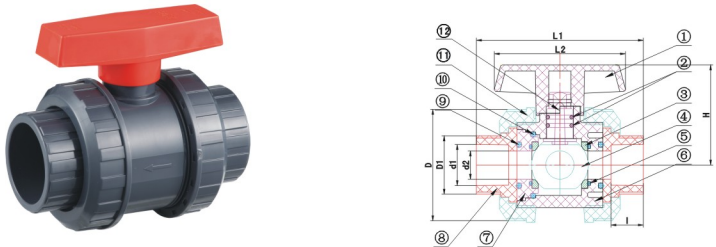
■ SINGLE UNION BALL VALVE III Specification of material

NO.	PART	MATERIAL	Q'TY
1	Handle	PVC-U	1
2	Stem O-ring	NBR	1
3	Seat Seal	PTFE	1
4	Ball	PVC-U	1
5	O-ring	NBR	1
6	Body	PVC-U	1

NO.	PART	MATERIAL	Q'TY
7	Seat Carrier	PVC-U	1
8	End connector	PVC-U	1
9	Seat Carrier flat O-ring	NBR	1
10	Seat Carrier O-ring	NBR	1
11	Union nut	PVC-U	1
12	Stem	PVC-U	1

■ Dimensions

Nom Size	D1	D	NPT	I	L1	L2	L3	L4	H
1/2"	49	29	1/2"	18	38	58	80	57	50
3/4"	60	35	3/4"	18	41.9	66	88	64	49.7
1"	66	43.2	1"	22	49	76.7	101.9	77.2	62.3
1 1/4"	81	51	1 1/4"	29	59	93	125	91	75
1 1/2"	94	60	1 1/2"	31.5	63.2	99.2	133.2	100	81.5
2"	111	74	2"	38	82.4	124.7	165.7	117.6	92.4



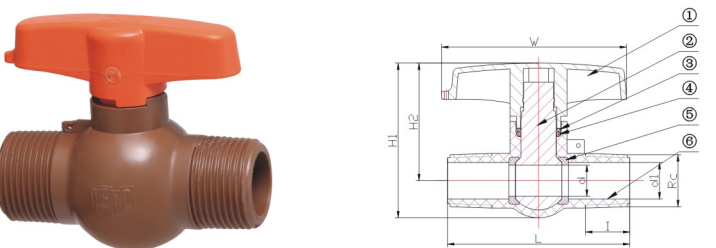
ITEM NO:UTB03

■ TRUE UNION BALL VALVE III Specification of material

NO.	PART	MATERIAL	QTY	NO.	PART	MATERIAL	QTY
1	Handle	ABS	1	7	Seat Carrier	PVC-U	1
2	Stem O-Ring	NBR	2	8	End Connector	PVC-U	1
3	Seat Seal	PE	2	9	O-Ring	NBR	1
4	Ball	PVC-U	1	10	O-Ring	NBR	1
5	O-Ring	NBR	2	11	Union Nut	PVC-U	1
6	Body	PVC-U	1	12	Stem	PVC-U	1

■ Dimensions

Nom Size	NPT	BSPT	JIS(d1)	BS(d1)	ANSI(d1)	DIN(d1)	d2	D1	D	I	L1	L2	H
1/2"	14	14	22	22	21.34	20	14	26	55	16	82.50	65	49.50
3/4"	14	14	26	26	26.67	25	18	36	60	19	92	80	54.50
1"	11.50	11	32	34	33.40	32	25	44	69	22.50	107	85	62
1 1/4"	11.50	11	38	42	42.16	40	32	56	81.50	26	120	97	74
1 1/2"	11.50	11	48	48	48.26	50	40	63	93	31.50	144	116	85
2"	11.50	11	60	60	60.33	63	50	78	111	38.50	172	134	100



ITEM NO: UCB03

■ COMPACT BALL VALVE M/M Specification of material

NO.	PART	MATERIAL	QTY
1	Handle	ABS	1
2	Stem	PVC-U	1
3	Seat Seal	PE	1
4	O-Ring	NBR	1
5	O-Ring	HDPE	2
6	Body	PVC-U	1

■ Dimensions

Nom Size	Rc	d1	d	L	I	W	H1	H2
1/2"	1/2"	14	12	70	17	71	60	45
3/4"	3/4"	18	16	75	17	71	67	47