

UPVC & CPVC VALVE



VALVE SOLUTIONS for Corrosive Applications

AUTHORISED DISTRIBUTOR FOR
Australia/NZ/PNG/Philippines

RHINO FLEX™

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UNPPolyvalves

Manufacturer of PFA/FEP/PTFE Lined & Plastic Valves,
Pipes & Pipe Fittings



VALVE SOLUTIONS for Corrosive Applications

About Us

UNP Polyvalves is manufacturing Corrosive application valves since 1988.

UNP started with all plastic valves with limited size options, today has a complete range of corrosive application valves in both options of Solid Plastic valves and Lined valves. UNP now has in it's range Ball, Plug, Butterfly, Diaphragm valves, Non-return valves, Strainers, Sampling valves, Pipes and Pipe Fittings. This completes range of complete piping solution in corrosive applications.

UNP has most modern facility situated at Por with latest moulding technology and highest moulding capacity to manufacture lined valves as large as 24" with Injection moulding machines of largest capacity in the country.

Envisioned for quality and reliability, UNP Polyvalves aims for highest level of Customer satisfaction through its solutions with the commitment for excellence in all spheres of business.

UNP Polyvalves possesses live skill sets headed by highly knowledgeable, technically experienced entrepreneurs. These experts lead and guide their team with a great vision to achieve high quality standards to make products for its high performance and unmatched quality.

UNP Polyvalves, over all these years has been dealing with almost all chemical process industries in Chlor Alkali, Chemical, Pharmaceutical, Mining, Refineries etc., in India and exporting to 35+ countries in the world including market such as USA, Europe, Latin America, Africa, Russia, South East Asia, Australia etc. . . .

Achievements

UNP Polyvalves through its technical expertise and involvement in knowing Physical process parameters could help resolving corrosion problems related to valves and piping system in Industries such as Chlor Alkali, CRM in Steel Industries, Chemical injection skids for Oil and Gas and many more chemical plant across the world. UNP today has approvals from leading consultants such as UHDE, Jacobs Engineering, Mott McDonald, Toyo Engineering, Fluor Daniel, TUV, EIL etc., and have worked for their prestigious projects.

TRUE UNION BALL VALVE

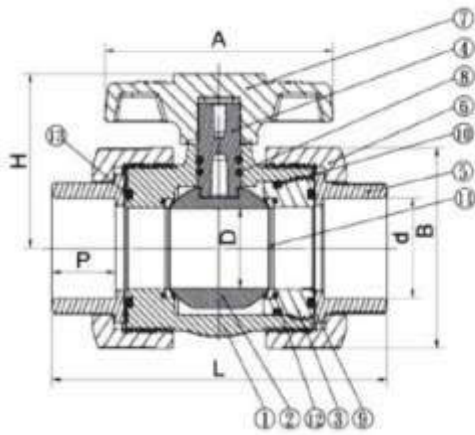
CD SERIES

CD 100 SOCKET/CD 200 THREAD/
CD 300 FLANGE | SIZE : 15MM - 100MM

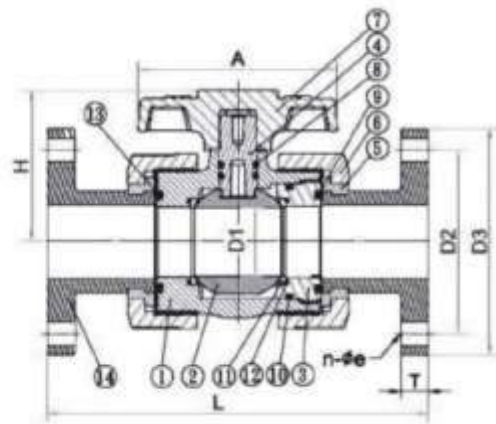


MATERIALS OF CONSTRUCTION

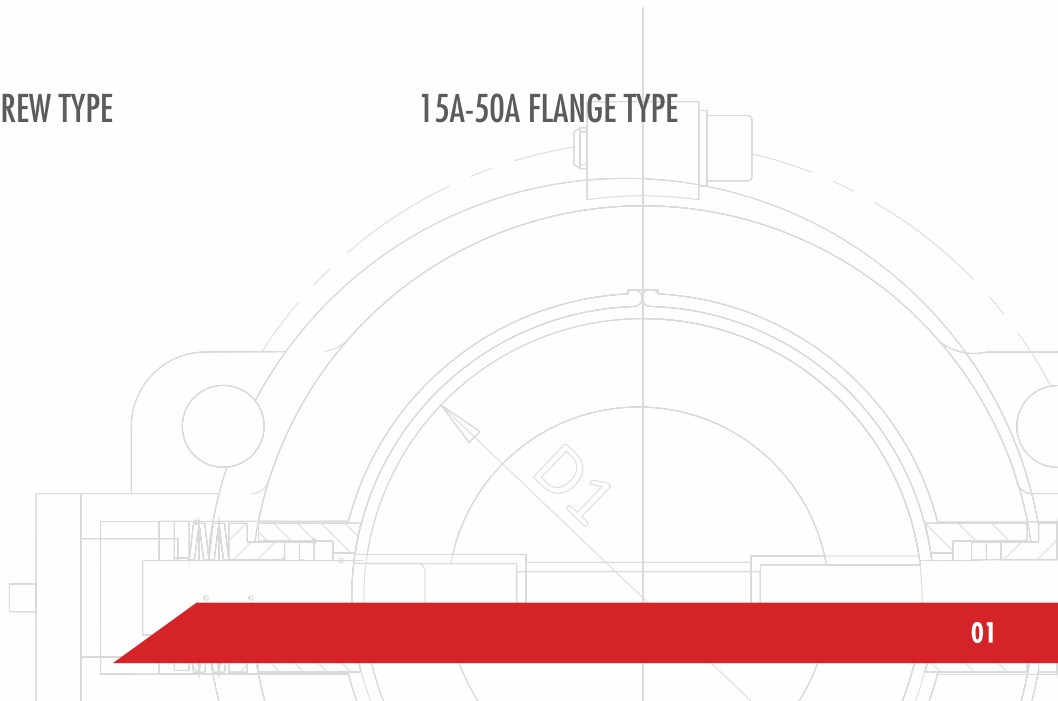
S.No	Paths	Pcs	Materials
1	Stem	1	UPVC, CPVC, PP, PVDF
2	Ball	1	UPVC, CPVC, PP, PVDF
3	Body	1	UPVC, CPVC, PP, PVDF
4	Seat Carrier	1	UPVC, CPVC, PP, PVDF
5	Union Nut	2	UPVC, CPVC, PP, PVDF
6	Handle	1	ABS
7	End Connector	2	UPVC, CPVC, PP, PVDF
8	Seat	2	PTEE
9	Stem O-Ring	1 - DN15 - 50 2 - DN65 - 100	EPDM VITON
10	Stem O-Ring	1	EPDM, VITON
11	Body O-Ring	1	EPDM, VITON
12	Solid End O-Ring	1	EPDM, VITON
13	Flange	2	UPVC, CPVC, PP, PVDF



SOCKET & SCREW TYPE



15A-50A FLANGE TYPE



DIMENSIONAL TABLE

Nominal Pipe Size	JIS															mm
	D1	D2	D3	d		e	n	p	L			A	T	H	B	Test Pressure kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
15(0.5)	15	70	95	22	PT 0.5	15	4	22.2	116	116	157	77	15	55	54	15
20(0.75)	19	75	100	26	PT 0.75	15	4	25.4	133	133	166	85	16	60	65	15
25(1)	25	90	125	32	PT 1	19	4	28.6	149	149	196	98	17	71	73	15
32(1.25)	38	100	135	38	PT 1.25	19	4	31.8	172	172	218	109	17	75	81	15
40(1.5)	38	105	140	48	PT 1.5	19	4	34.9	190	190	236	118	17	95	98	15
50(2)	48	102	155	60	PT 2	19	4	38.1	205	205	256	137	20	104	120	15
65(2.5")	65	140	175	76	PT 2.5	19	4	44.5	228	228	282	190	20	140	150	10
80(3")	78	150	185	89	PT 3	19	8	47.6	270	270	330	230	23	165	184	10
100(4")	102	175	210	114	PT 4	19	8	57.0	324	324	385	274	23	172	226	10

ALL DIMENSIONS ARE IN MM

Nominal Pipe Size	ANSI															mm
	D1	D2	D3	d		e	n	p	L			A	T	H	B	Test Pressure kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
15(0.5)	0.591	2.375	3.500	0.848	NPT 0.5	0.625	4	0.875	4.448	4.448	5.944	3.228	0.590	0.590	1.850	122
20(0.75)	0.78	2.750	3.875	1.058	NPT 0.75	0.625	4	1.000	5.157	5.157	6.732	3.976	0.590	0.590	2.402	122
25(1)	0.984	3.125	4.250	1.325	NPT 1	0.625	4	1.125	5.748	5.748	7.480	4.370	0.669	0.669	2.755	122
32(1.25)	1.496	3.500	4.625	1.670	NPT 1.25	0.625	4	1.250	7.320	7.320	9.133	4.961	0.669	0.669	3.661	122
40(1.5)	1.496	3.875	5.000	1.912	NPT 1.5	0.625	4	1.375	7.320	7.320	9.133	4.961	0.700	0.700	3.661	122
50(2)	1.89	4.750	6.000	2.387	NPT 2	0.750	4	1.500	7.756	7.756	9.842	5.984	0.787	0.820	4.449	122
65(2.5")	2.56	5.500	7.000	2.889	NPT 2.5	0.750	4	1.750	8.976	8.976	11.102	7.480	0.820	0.787	5.905	148
80(3")	3.710	6.000	7.500	3.515	NPT 3	0.750	4	1.875	10.629	10.629	12.992	9.055	0.905	0.905	7.244	148
100(4")	4.01	7.500	9.000	4.518	NPT 4	0.750	8	2.250	12.755	12.755	15.157	10.787	0.905	0.905	10.31	148

ALL DIMENSIONS ARE IN INCHES

Nominal Pipe Size	DIN															mm
	D1	D2	D3	d		e	n	p	L			A	T	H	B	Test Pressure kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
15(0.5)	15	65	95	20	R 0.5	14	4	16.0	113	113	151	82	15	51	47	15
20(0.75)	19	75	105	25	R 0.75	14	4	18.5	121	121	171	101	15	64	61	15
25(1)	25	85	115	32	R 1	14	4	22.0	146	146	190	110	17	70	70	15
32(1.25)	38	100	140	40	R 1.25	18	4	26.0	186	186	232	126	17	83	93	15
40(1.5)	38	110	150	50	R 1.5	18	4	31.0	186	186	232	126	17	83	93	15
50(2)	48	125	165	63	R 2	18	4	37.5	197	197	250	152	20	102	103	15
65(2.5")	65	145	185	75	R 2.5	18	4	43.5	228	228	282	190	20	140	150	10
80(3")	78	160	200	90	R 3	18	8	51.0	270	270	330	230	23	165	184	10
100(4")	102	180	220	110	R 4	18	8	61.0	324	324	385	274	23	172	226	10

ALL DIMENSIONS ARE IN MM



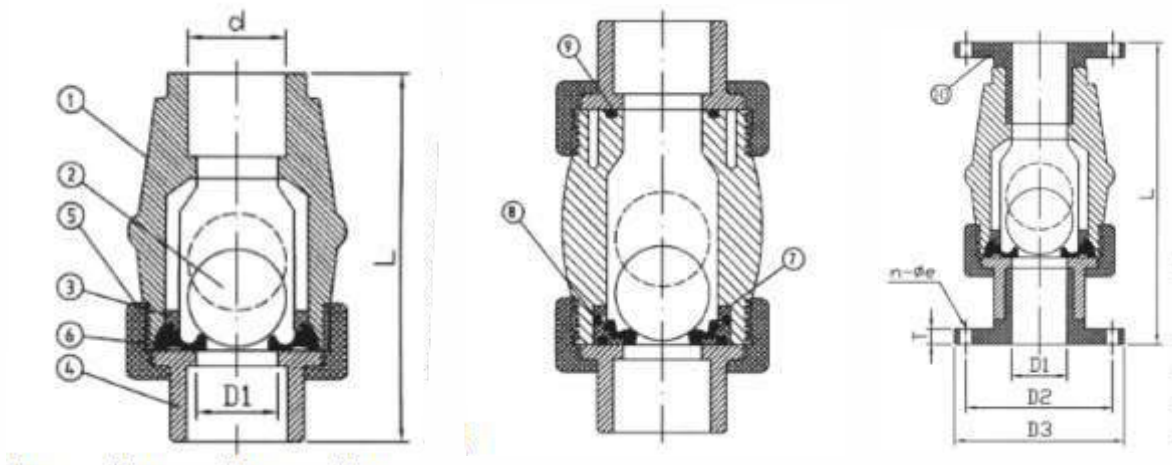
BALL TYPE CHECK VALVE
VERTICAL TYPE

JB SERIES
SOCKET JB 100/ THREAD JB 200/
FLANGE JB 300 | SIZE : 1" - 8"



MATERIALS OF CONSTRUCTION

S.No	Paths	Pcs	Materials
1	Body	1	UPVC, CPVC
2	Ball	1	UPVC, CPVC
3	Washer	1	UPVC, CPVC
4	End Connector	1 - DN15 - 50 2 - DN65 - 100	UPVC, CPVC
5	Union Nut	1 - DN15 - 50 2 - DN65 - 100	UPVC, CPVC
6	Seat	1	EPDM/VITON/TEFLON
7	Seat Carrier	1	EPDM/VITON/TEFLON
8	Seat Carrier O Ring	2	PP/PVDF
9	Solid End O Ring	2	EPDM/VITON
10	Flanged End	2 - DN15 - 100 1 - DN50 - 250	UPVC, CPVC
11	Reinforcement Plate	4 - DN - 150 8 - DN - 250	SUS 304
12	Bolts on Reinforcement Plate	10 - Dn - 150 20 - Dn - 250	SUS 304



DIMENSIONAL TABLE

JIS											mm
Nominal Pipe Size	D1	d		D2	D3	n	øe	L			T
		Screw	Socket					Screw	Socket	Flange	
15(0.5)	15	PT	22	70	95	4	15	98	98	135	15
20(0.75)	20	PT	26	75	100	4	15	119	119	159	16
25(1)	26	PT	32	90	125	4	19	124	124	167	17
32(1.25)	36	PT	38	100	135	4	19	155	155	198	16
40(1.5)	36	PT	48	105	145	4	19	155	155	202	18
50(2)	50	PT	60	120	155	4	19	180	180	234	21
65(2.5")	65	PT	76	140	175	4	19	226	226	276	20
80(3")	80	PT	89	150	185	8	19	274	274	330	20.5
100(4")	100	PT	114	175	210	8	19	367	367	417	20
150(6")	150	-	-	240	280	8	23	-	-	480	23
250(10")	250	-	-	355	400	12	25	-	-	670	25

ALL DIMENSIONS ARE IN MM

ANSI											mm
Nominal Pipe Size	D1	d		D2	D3	n	øe	L			T
		Screw	Socket					Screw	Socket	Flange	
15(0.5)	0.59	NPT	0.84	2.375	3.500	4	0.63	3.85	3.85	5.43	0.59
20(0.75)	0.79	NPT	1.05	2.750	3.785	4	0.63	4.68	4.68	6.25	0.59
25(1)	0.98	NPT	1.32	3.125	4.250	4	0.63	4.88	4.88	6.57	0.66
32(1.25)	1.42	NPT	1.67	3.500	4.625	4	0.63	6.10	6.10	7.79	0.67
40(1.5)	1.57	NPT	1.91	3.875	5.000	4	0.63	6.10	6.10	7.89	0.70
50(2)	1.96	NPT	2.38	4.750	6.000	4	0.75	7.09	7.09	9.09	0.78
65(2.5")	2.36	NPT	2.88	5.500	7.000	4	0.75	8.89	8.89	10.87	0.80
80(3")	3.15	NPT	3.51	6.000	7.500	4	0.75	10.79	10.79	12.99	0.90
100(4")	3.74	NPT	4.51	7.500	9.000	8	0.75	14.45	14.45	16.41	0.92
150(6")	-	-	-	9.500	11.000	8	0.88	-	-	18.90	0.87
250(10")	-	-	-	14.250	16.000	12	1.00	-	-	26.38	0.94

ALL DIMENSIONS ARE IN INCHES

DIN											mm
Nominal Pipe Size	D1	d		D2	D3	n	øe	L			T
		Screw	Socket					Screw	Socket	Flange	
15(0.5)	15	R0.5	20	70	95	4	15	98	98	135	15
20(0.75)	20	R0.75	25	75	100	4	20	119	119	159	16
25(1)	26	R1	32	90	125	4	26	124	124	167	17
32(1.25)	36	R1.25	40	100	135	4	36	155	155	198	16
40(1.5)	36	R1.5	50	105	145	4	36	155	155	202	18
50(2)	50	R2	63	120	155	4	50	180	180	234	21
65(2.5")	65	R2.5	75	140	175	4	65	226	226	276	20
80(3")	80	R3	90	150	185	8	80	274	274	330	20.5
100(4")	100	R4	110	175	210	8	100	367	367	417	20
150(6")	150	-	-	240	280	8	150	-	-	480	23
250(4")	250	-	-	355	400	12	250	-	-	670	25

ALL DIMENSIONS ARE IN MM

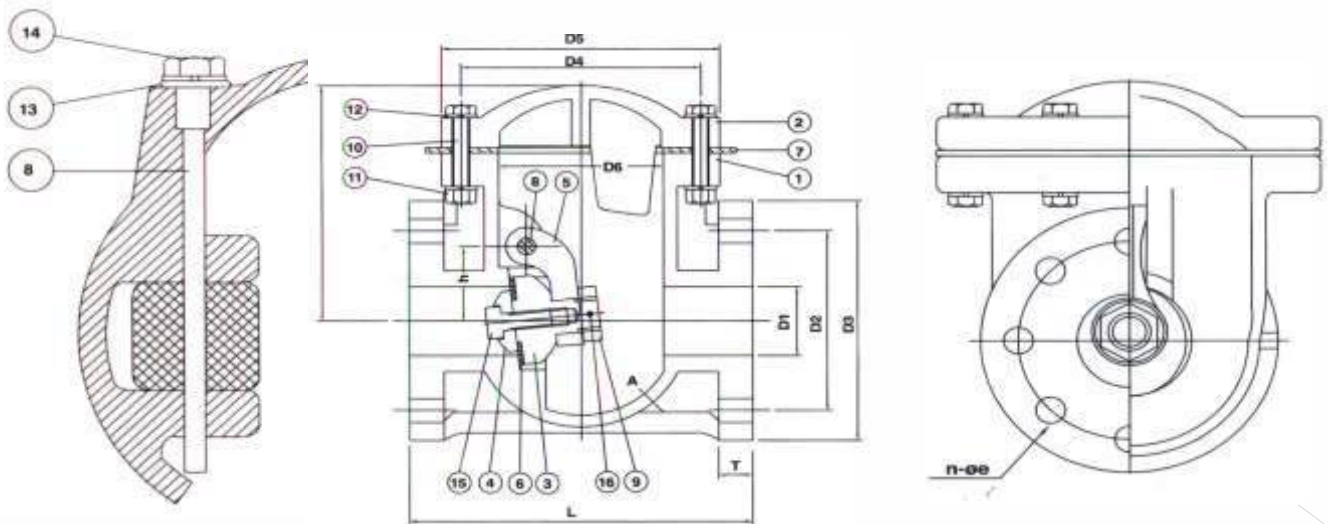
SWING CHECK VALVE HORIZONTAL TYPE

JW SERIES
JW 300 | SIZE : 1" - 8"



MATERIALS OF CONSTRUCTION

S.No	Paths	Pcs	Materials
1	Body	1	UPVC / CPVC
2	Bonnet	1	UPVC, CPVC
3	Disc	1	UPVC, CPVC
4	Sheet Gasket Holder	1	UPVC, CPVC
5	Swing Arms	1	UPVC, CPVC
6	Disc Gasket	1	EPDM / VITON / TEFLON
7	Bonnet Gasket	1	EPDM / VITON / TEFLON
8	Shaft	1	PP / PVDF
9	Disc Holder	1	PP / PVDF
10	Bolts	6-DN15-50	SUS 304
11	Nuts	8-DN65-125 10-DN150	SUS 304
12	Washers	12-DN200	SUS 304
13	O ring	1	EPDM / VITON
14	Shaft Holder	1	PVDF
15	Set Bolts	1-DN15-80 3-DN100-125 4-DN150-200	PVDF
16	Set Pin	1	PVDF



DIMENSIONAL TABLE

JIS															Unit: mm	
Size mm (inch)	D1	D2	D3	e	No of holes	D4	D5	D6	L	T	A	h	H	D	TEST PRESSURE (Kgf/cm ²)	TEST PRESSURE (Kgf/cm ²)
25(1")	25	90	125	19	4	110	130	75	160	15	6	40	120	8	10	7
40(1.5")	41	105	140	19	4	125	145	85	180	18	8	45	138	8	10	7
50(2")	52	120	155	19	4	155	180	105	200	18	8	55	164	10	10	7
65(2.5")	80	140	175	19	4	181	205	130	260	20	9	70	171	12	10	7
80(3")	80	150	185	19	8	181	205	130	260	20	9	70	171	12	10	7
100(4")	100	175	210	19	8	235	265	170	300	24	10	90	213	16	7	5
125(5")	125	210	250	23	8	285	330	210	350	24	14	110	238	18	7	5
150(6")	150	240	280	23	8	330	370	250	400	30	16	135	268	20	7	5
200(8")	200	290	330	23	12	390	425	300	500	30	18	170	306	20	7	5

ALL DIMENSIONS ARE IN MM

ANSI															Unit: mm	
Size mm (inch)	D1	D2	D3	e	No of holes	D4	D5	D6	L	T	A	h	H	D	TEST PRESSURE (Kgf/cm ²)	TEST PRESSURE (Kgf/cm ²)
25(1")	1.00	3.13	4.25	0.63	4	4.34	5.13	2.97	6.31	0.59	0.24	1.56	4.72	0.31	150	100
40(1.5")	1.63	3.88	5.51	0.63	4	4.94	5.72	3.34	7.08	0.70	0.31	1.78	5.44	0.31	150	100
50(2")	2.06	4.75	6.10	0.75	4	6.09	7.09	4.13	7.88	0.70	0.31	2.16	6.64	0.41	150	100
65(2.5")	3.15	5.50	6.88	0.75	4	7.13	8.06	5.13	10.25	0.79	0.35	2.75	6.72	0.47	150	100
80(3")	3.15	6.00	7.28	0.75	4	7.13	8.06	5.13	10.25	0.79	0.35	2.75	6.72	0.47	150	100
100(4")	3.94	7.50	8.26	0.75	8	9.25	10.44	6.69	11.82	0.94	0.39	3.53	8.38	0.63	100	70
125(5")	4.94	8.50	9.84	0.88	8	11.22	13.00	8.28	13.78	0.94	0.55	4.34	9.38	0.72	100	70
150(6")	5.9	9.50	11.02	0.88	8	13.00	14.56	9.84	15.75	1.18	0.63	5.31	10.56	0.78	100	70
200(8")	7.88	11.75	12.99	0.88	8	15.31	16.71	11.81	19.69	1.18	0.71	6.69	12.06	0.78	100	70

ALL DIMENSIONS ARE IN INCHES

DIN															Unit: mm	
Size mm (inch)	D1	D2	D3	e	No of holes	D4	D5	D6	L	T	A	h	H	D	TEST PRESSURE (Kgf/cm ²)	TEST PRESSURE (Kgf/cm ²)
25(1")	25	85	125	14	4	110	130	75	160	15	6	40	120	8	10	7
40(1.5")	41	110	140	18	4	125	145	85	180	18	8	45	138	8	10	7
50(2")	52	125	155	18	4	155	180	105	200	18	8	55	164	10	10	7
65(2.5")	80	145	175	18	4	181	205	130	260	20	9	70	171	12	10	7
80(3")	80	160	185	18	8	181	205	130	260	20	9	70	171	12	10	7
100(4")	100	180	210	18	8	235	265	170	300	24	10	90	213	16	7	5
125(5")	125	210	250	18	8	285	330	210	350	24	14	110	238	18	7	5
150(6")	150	240	280	23	8	330	370	250	400	30	16	135	268	20	7	5
200(8")	200	295	330	23	8	390	425	300	500	30	18	170	306	20	7	5

ALL DIMENSIONS ARE IN MM

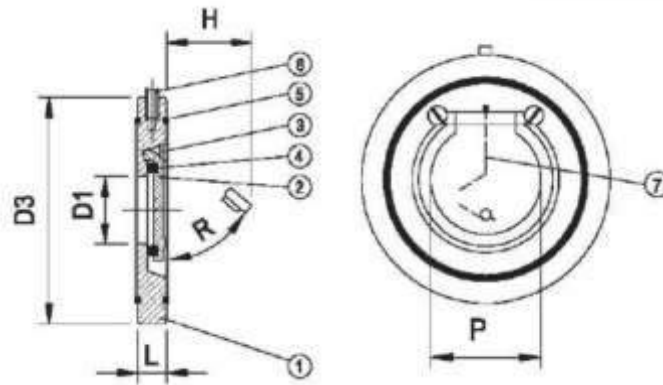
WAFER CHECK VALVE

JT SERIES
JT 300 | SIZE : DN 40 - DN 600



MATERIALS OF CONSTRUCTION

S.No	Parts	Pcs	Materials
1	Body	1	UPVC / CPVC
2	Flapper	1	UPVC / CPVC
3	Flapper Mounting Screw	2	PP
4	O Ring	1	EPDM / VITON
5	O Ring	2	EPDM / VITON
6	Installation Device	1	SS 316



DIMENSIONAL TABLE

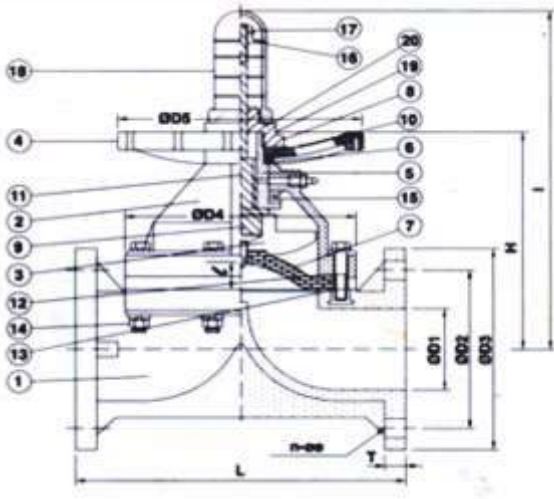
Size mm DN(inch)	JIS					ANSI					DIN				
	D1	D3	P	L	H	D1	D3	P	L	H	D1	D3	P	L	H
40(1.5")	23	95	35	23	16	0.89	3.76	1.38	0.63	0.99	23	95	35	16	25
50(2")	32	109	45	25	20	1.26	4.30	1.77	0.79	1.80	32	109	45	20	46
65(2.5")	40	130	60	25	20	1.57	5.12	2.36	0.79	2.00	40	130	60	20	51
80(3")	54	145	72	25	20	2.13	5.71	2.83	0.79	2.90	54	145	72	20	74
100(4")	70	164	90	27	22	2.76	6.45	3.54	0.87	3.60	70	164	90	22	91
125(5")	92	196	109	27	22	3.64	7.72	4.28	0.87	3.77	92	196	109	22	96
150(6")	112	220	132	27	26	4.40	8.66	5.19	1.02	5.80	112	220	132	26	147
200(8")	150	275	176	23	35	5.90	10.82	6.93	1.38	7.50	150	275	176	35	191
250(10")	190	330	222	25	40	7.48	12.99	8.74	1.57	9.00	190	330	222	40	229
300(12")	216	380	260	25	45	8.62	14.96	10.23	1.77	9.64	216	380	260	45	245
350(14")	266	440	300	25	49	10.47	17.32	11.81	1.93	10.20	266	440	300	49	259
400(16")	310	491	340	27	65	12.20	19.33	13.38	2.56	11.22	310	491	340	65	285
450(18")	350	541	390	27	68	13.78	21.30	15.35	2.67	13.00	350	541	390	68	330
500(20")	400	596	440	27	78	15.75	23.46	17.32	3.07	15.15	400	596	440	78	385
600(24")	450	700	490	33	85	17.72	27.55	19.29	3.34	16.92	450	700	490	85	430

ALL DIMENSIONS ARE IN INCHES & MM

Wafer Check Valve With Spring Series JT 300 Is Also Available.

DIAPHRAGM VALVE FLANGED TYPE

DV SERIES
DV 300 | SIZE : DN 15 - DN 250



MATERIALS OF CONSTRUCTION

S.No	Paths	Pcs	Materials
1	Body	1	UPVC / CPVC
2	Bonnet	1	PPG / PVDF
3	Compressor	1	15A-25A PVDF 40A-250A Fc20
4	Hand Wheel	1	PP / ABS
5	Sleeve	1	15A-50A BSBM 65A-250A Fc25
6	Stem	1	15A-50A BSBM 65A-250A Ss41
7	Diaphragm	1	EPDM / HYPALON TEFLON
8	Cap	1	15A-25A BSBH 40A-250A PVC
9	Compressor Pin	1	SUS 304
10	Name Plate	1	PVC
11	Grease Nipple	1	SUS 304
12	Stud Bolt & Nut	4 6	15A-25A 40A-50A SUS 304
13	Inserted Nut	8 12	65A-125A 150A SUS 304
14	Bolt Nut & Washer	16 20	200A 250A SUS 304
15	Thrust Bearing	1	Standardized 80A-250A Used only
16	Stopper	1	SS-41 BSBM SUS 304
17	Set Nut	1	SS-41 BSBM SUS 304
18	Gauge Cover	1	PC
19	Sheet Ring	1	EPDM
20	Washer	1	SUS 304

DIMENSIONAL TABLE

Size mm (inch)	JIS											Unit: mm				PRESS Test for Assembly (at 20°)			
	D1	D2	D3	e	No of holes	D4	D5	Lift	L	T	H	I	Test Pressure Unit : kgf/cm ²						
													Rubber Diaphragm		Teflon Diaphragm				
													UPVC	CPVC	UPVC	CPVC			
15(0.5")	16	70	95	15	4	59 X 53	94	13	110	15	101	140	10	10	10	10			
20(0.75")	20	75	100	15	4	74 X 63	94	13	120	16	106	152	10	10	10	10			
25(1")	25	90	125	19	4	80 X 66	94	14	130	16	113	158	10	10	10	10			
40(1.5")	41	105	140	19	4	126	147	24	180	17	133	193	10	10	7	7			
50(2")	52	120	155	19	4	148	147	28	210	17	145	210	10	10	7	7			
65(2.5")	68	140	175	19	4	190	202	32	250	22	197	276	10	10	7	7			
80(3")	78	150	185	19	8	215	202	34	280	22	218	293	10	10	6	6			
100(4")	100	175	210	19	8	255	241	54	340	22	261	370	10	10	6	6			
125(5")	125	210	250	23	8	320	274	72	410	24	308	412	7	7	5	5			
150(6")	148	240	280	23	8	385	395	72	480	30	334	471	7	7	5	5			
200(8")	198	290	330	23	12	430	395	96	570	30	419	625	4	4	3	3			
250(10")	248	355	400	25	12	540	555	132	680	32	510	750	4	4	3	3			

ALL DIMENSIONS ARE IN MM

Tripple Layered Diaphragm (TFM+PVDF+EPDM) Option Available.



CV VALUE	
Full Open : 100%	
SIZE	CV
0.5"	3.27
0.75"	5.29
1"	8.87
1.5"	31.09
2"	43.15
2.5"	90.68
3"	116.79
4"	186.78
6"	345.26

BOLTS TORQUE VALUE		
Full Open : 100%		
SIZE	kg.m	N.m
0.5"	90	8.83
0.75"	110	10.79
1"	110	10.79
1.5"	150	14.72
2"	220	21.58
2.5"	220	21.58
3"	280	27.47
4"	280	27.47
6"	280	27.47

SIZE DIMENSIONS ARE IN INCHES

DIMENSIONAL TABLE

ANSI													PRESS Test for Assembly (at 20°)			
Size mm (inch)	D1	D2	D3	e	No of holes	D4	D5	Lift	L	T	H	I	Test Pressure Unit : kgf/cm ²			
													Rubber Diaphragm		Teflon Diaphragm	
													UPVC	CPVC	UPVC	CPVC
15(0.5")	0.63	2.38	3.50	0.63	4	2.32X2.09	3.70	0.51	4.25	0.59	3.98	5.51	150	150	150	150
20(0.75")	1.79	2.76	3.86	0.63	4	2.80x2.48	3.70	0.51	5.90	0.63	4.17	5.98	150	150	150	150
25(1")	1.98	3.13	4.25	0.63	4	31.5x2.60	3.70	0.55	5.90	0.63	4.45	6.22	150	150	150	150
40(1.5")	1.61	3.88	5.00	0.63	4	4.96	5.79	0.94	6.95	0.67	5.24	7.60	150	150	105	105
50(2")	2.05	4.74	5.98	0.75	4	5.83	5.79	1.10	7.95	0.67	5.71	8.27	150	150	105	105
65(2.5")	2.68	5.49	7.01	0.75	4	7.48	7.95	1.26	9.85	0.87	7.76	10.87	150	150	105	105
80(3")	3.07	6.00	7.52	0.75	8	8.46	7.95	1.34	10.40	0.75	8.50	11.54	150	150	90	90
100(4")	3.94	7.50	9.02	0.75	8	10.04	9.49	2.13	12.95	0.91	10.28	14.57	150	150	90	90
125(5")	4.92	8.50	10.00	0.87	8	12.60	10.79	2.83	16.14	0.94	12.13	16.22	105	105	75	75
150(6")	5.83	9.51	10.98	0.87	8	15.16	15.55	2.83	18.90	1.18	13.15	18.54	105	105	75	75
200(8")	7.80	11.75	13.50	0.87	8	16.93	15.55	3.78	22.44	1.26	16.40	24.61	60	60	45	45
250(10")	9.76	14.25	15.98	0.87	12	21.26	21.85	5.20	26.77	1.26	20.08	29.53	60	60	45	45

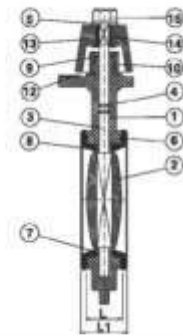
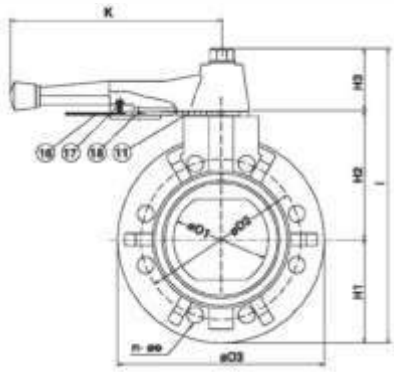
ALL DIMENSIONS ARE IN INCHES

DIN													PRESS Test for Assembly (at 20°)			
Size mm (inch)	D1	D2	D3	e	No of holes	D4	D5	Lift	L	T	H	I	Test Pressure Unit : kgf/cm ²			
													Rubber Diaphragm		Teflon Diaphragm	
													UPVC	CPVC	UPVC	CPVC
15(0.5")	16	65	95	14	4	59X23	94	13	130	23	101	140	10	10	10	10
20(0.75")	20	75	105	14	4	74X63	94	13	150	23	106	152	10	10	10	10
25(1")	25	85	115	14	4	80X66	94	14	160	23	113	158	10	10	10	10
40(1.5")	41	110	150	18	4	126	147	24	200	23	133	193	10	10	7	7
50(2")	52	125	165	18	4	148	147	28	230	21	145	210	10	10	7	7
65(2.5")	68	145	185	18	4	190	202	32	290	22	197	276	10	10	7	7
80(3")	78	160	200	18	8	215	202	34	310	22	218	293	10	10	6	6
100(4")	100	180	220	18	8	255	241	54	350	25	261	370	10	10	6	6
125(5")	125	210	250	18	8	320	274	72	400	24	308	412	7	7	5	5
150(6")	148	240	285	23	8	385	395	72	480	30	334	471	7	7	5	5
200(8")	198	295	340	23	8	430	395	96	600	32	419	625	4	4	3	3
250(10")	248	350	395	23	12	540	555	132	680	32	510	750	4	4	3	3

ALL DIMENSIONS ARE IN MM

BUTTERFLY VALVE LEVER TYPE

BB SERIES
BB 300 | SIZE : 2" - 8"



MATERIALS OF CONSTRUCTION

S.No	Parts	Pcs	Materials
1	Body	1	UPVC / CPVC
2	Dish	1	UPVC / CPVC
3	Stem	1	USU 410, SUS 316, SUS 304
4	Stem O-ring	2	EPDM / VITON
5	Washer	1	SUS 304
6	Seat	1	EPDM/VITON/NBR/HYPALON
7	Disc O ring (1)	2	EPDM / VITON
8	Disc O ring (2)	2	EPDM / VITON
9	Stem Retainer	1	SUS 304
10	Retainer Cap	1	UPVC / PP / PVDF
11	Screw	3 4	DN50-150 SUS304 Dv200
12	Positioner	1	SUS304
13	Handle	1	ABS
14	Inserted Metal of Handle	1	FC 0208
15	Nut	1	PVC COATED BRASS SUS 304
16	Handle Lever	1	SUS 304
17	Spring	1	SUS 304
18	Set Pin	1	BSBM

TORQUE VALUES (1 KGF/M=9.8N.m)

BFV SIZE	Torque Under With Out Any Water Pressure	Under Water Testing Pressure(kg/cm2)			BFV SIZE	Torque Under With Out Any Water Pressure	Under Water Testing Pressure(kg/cm2)		
		Pressure (kg/m)	Open Torque (kg/m)	Close Torque (kg/m)			Pressure (kg/m)	Open Torque (kg/m)	Close Torque (kg/m)
2"	1.5	15	0.5	0.5	10"	17.0	8	7	10
2.5"	1.5	15	0.5	0.5	12"	27.0	6	14	18
3"	2.0	15	1	1.5	14"	37.0	6	25	26
4"	2.0	12	1	1.5	16"	42.0	-	-	-
5"	5.0	12	2.5	4.5	18"	52.0	-	-	-
6"	6.5	12	4	7	20"	65.0	-	-	-
8"	10.0	10.0	6	8.5	24"	76.0	-	-	-

SIZE DIMENSIONS ARE IN INCHES



DIMENSIONAL TABLE

Size mm DN(inch)	JIS												Test Pressure (kgf/cm ²)		Unit: mm
	D1	D2	D3	øe	N	L	L1	H1	H2	H3	I	K	Body	Seat	Working PRESSURE (Kgf/cm ²)
	50(2")	57	120	160	19	4	35	42	83	102	68	253	220	15.0	12.0
65(2.5")	72	140	184	19	4	37	46	92	110	68	270	220	15.0	12.0	10.0
80(3")	80	150	200	19	8	37	46	100	118	68	286	220	15.0	12.0	10.0
100(4")	100	175	230	19	8	47	56	115	134	68	312	220	15.0	12.0	10.0
125(5")	130	210	250	23	8	57	66	127	160	96	319	310	15.0	12.0	10.0
150(6")	150	240	290	23	8	62	71	145	177	96	418	310	15.0	12.0	10.0
200(8")	203	290	337	23	12	76	87	168	204	93	476	414	15.0	12.0	10.0

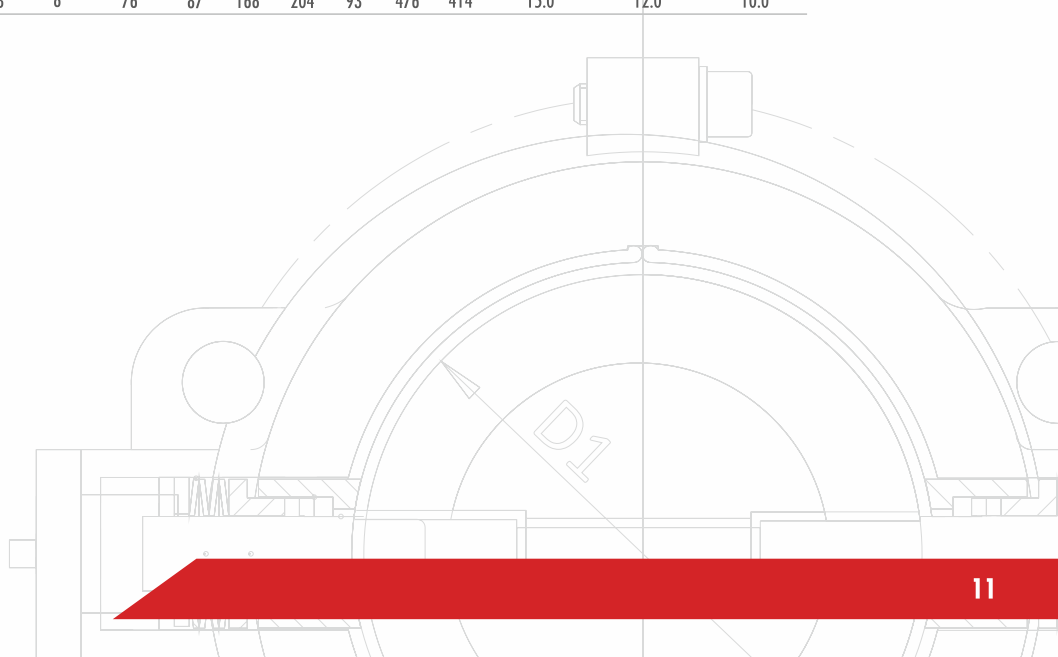
ALL DIMENSIONS ARE IN MM

Size mm DN(inch)	ANSI												Test Pressure (kgf/cm ²)		Unit: mm
	D1	D2	D3	øe	N	L	L1	H1	H2	H3	I	K	Body	Seat	Working PRESSURE (Kgf/cm ²)
	50(2")	2.24	4.75	6.29	0.75	4	1.38	1.65	3.27	4.01	2.68	9.96	8.6	222	177
65(2.5")	2.83	5.50	7.24	0.75	4	1.46	1.81	3.62	4.33	2.68	10.63	8.6	222	177	150
80(3")	3.15	6.00	7.87	0.75	4	1.46	1.81	3.94	4.64	2.68	11.26	8.6	222	177	150
100(4")	3.93	7.50	9.06	0.75	8	1.85	2.20	4.53	5.28	2.68	12.48	8.6	222	177	150
125(5")	5.12	8.50	9.84	0.87	8	2.24	2.60	5.00	6.30	3.78	15.00	12.20	222	177	150
150(6")	5.90	9.50	11.42	0.87	8	2.24	2.80	5.71	6.97	3.78	16.76	12.20	222	177	150
200(8")	7.99	11.75	13.27	0.87	8	2.99	3.43	6.61	8.03	3.66	18.74	16.30	222	177	150

ALL DIMENSIONS ARE IN INCHES

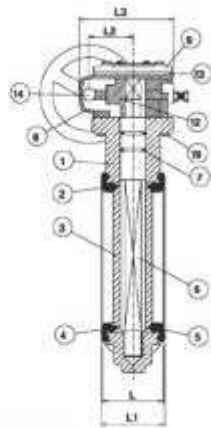
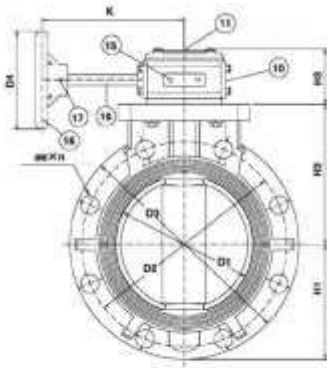
Size mm DN(inch)	DIN												Test Pressure (kgf/cm ²)		Unit: mm
	D1	D2	D3	øe	N	L	L1	H1	H2	H3	I	K	Body	Seat	Working PRESSURE (Kgf/cm ²)
	50(2")	57	125	160	18	4	35	42	83	102	68	253	220	15.0	12.0
65(2.5")	72	145	184	18	4	37	46	92	110	68	270	220	15.0	12.0	10.0
80(3")	80	160	200	18	8	37	46	100	118	68	286	220	15.0	12.0	10.0
100(4")	100	180	230	18	8	47	56	115	134	68	312	220	15.0	12.0	10.0
125(5")	130	210	250	18	8	57	66	127	160	96	391	310	15.0	12.0	10.0
150(6")	150	240	290	23	8	62	71	145	177	96	418	310	15.0	12.0	10.0
200(8")	203	295	337	23	8	76	87	168	204	93	476	414	15.0	12.0	10.0

ALL DIMENSIONS ARE IN MM



BUTTERFLY VALVE GEAR TYPE

BF SERIES
BF 300 | SIZE : 8"-24"



MATERIALS OF CONSTRUCTION

S.No	Parts	Pcs	Materials
1	Body	1	UPVC, CPVC , PP, PPG
2	Seat	1	EPDM, VITON, HYPALONE
3	Disc	1	UPVC, CPVC , PP, PPG
4	Disc O Ring (A)	2	EPDM / VITON
5	Disc O Ring (B)	1	EPDM / VITON
6	Stem	1	SS 304, SS 316 ,SS 410
7	Stem O Ring	2	EPDM / VITON
8	Gear Box	2	FC 25
9	Gear Box Cap	1	FC 25
10	Indicator Plate	1	PVC
11	Gear	3/4	FCD 45
12	Oil Seal	1	EPDM
13	Bearing	1	SMCM220/420 /810
14	Adjustable Bolt	1	SS41
15	Gearing	1	SS41
16	Set Pin	1	K7
17	Hand Wheel	1	FC 25
18	Tightening Bolt	1	SEM3 / SUS 304

TORQUE VALUES (1 KGF/M=9.8N.m)

BFV SIZE	Torque Under With Out Any Water Pressure	Under Water Testing Pressure			BFV SIZE	Torque Under With Out Any Water Pressure	Under Water Testing Pressure		
		Pressure (kg/m)	Open Torque (kg/m)	Close Torque (kg/m)			Pressure (kg/m)	Open Torque (kg/m)	Close Torque (kg/m)
2"	1.5	15	0.5	0.5	10"	17.0	8	7	10
2.5"	1.5	15	0.5	0.5	12"	27.0	6	14	18
3"	2.0	15	1	1.5	14"	37.0	6	25	28
4"	2.0	12	1	1.5	16"	42.0	-	-	-
5"	5.0	12	2.5	4.5	18"	52.0	-	-	-
6"	6.5	12	4	7	20"	65.0	-	-	-
8"	10.0	10	6	8.5	24"	76.0	-	-	-

SIZE DIMENSIONS ARE IN INCHES



DIMENSIONAL TABLE

JIS															Unit: mm		
Size mm DN(inch)	D1	D2	D3	øe	n	L	L1	H1	H2	H3	K	L2	L3	D4	Test Pressure (kgf/cm ²)		Working PRESSURE (Kgf/cm ²)
															Body	Seat	
200(8")	203	290	347	23	12	76	87	174	211.2	69	178	51	136	178	15.0	12.0	10.0
250(10")	255	355	411	25	12	69	111	200	242.7	69	178	51	136	178	15.0	12.0	10.0
300(12")	312	400	483	25	16	116	132	239	289	103	212	72	189	230	10.5	8.5	7.0
350(14")	355	445	520	25	16	116	132	259	305	103	212	72	189	300	10.5	8.5	7.0
400(16")	398	510	600	27	16	153	169	302	353	110	212	72	189	355.8	9.0	7.0	6.0
450(18")	451	565	640	27	20	166	181	317	365	121	269	116	285	464	7.5	6.0	5.0
500(20")	500	620	711	27	20	171	190	365	405	121	330	116	285	464	5.0	4.0	3.5
600(24")	600	730	813	33	24	191	209	425	460	121	330	116	285	464	5.0	4.0	3.5

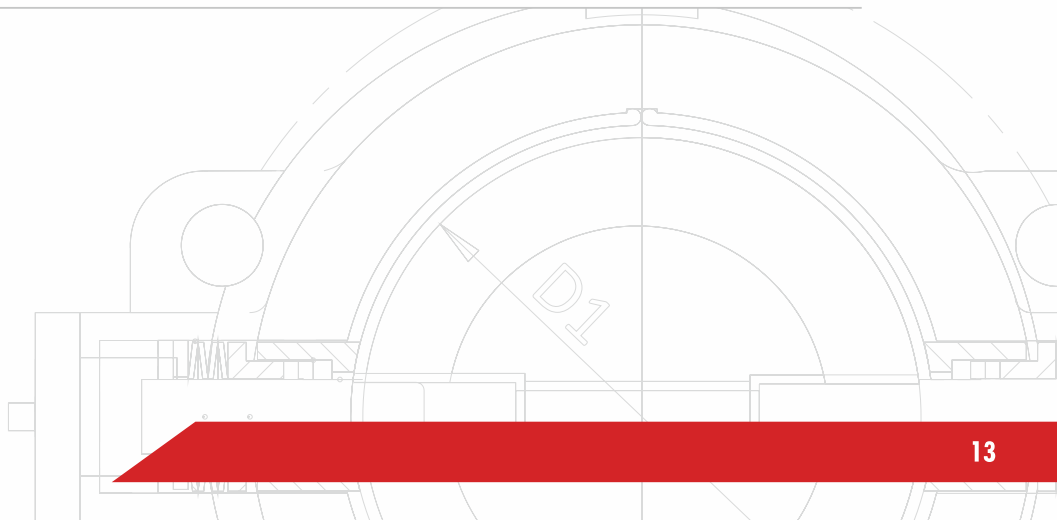
ALL DIMENSIONS ARE IN MM

ANSI															Unit: mm		
Size mm DN(inch)	D1	D2	D3	øe	n	L	L1	H1	H2	H3	K	L2	L3	D4	Test Pressure (kgf/cm ²)		Working PRESSURE (Kgf/cm ²)
															Body	Seat	
200(8")	7.99	11.75	13.66	0.88	8	2.99	3.43	6.85	8.31	2.72	7.01	2.01	5.35	7	222	177	150
250(10")	10	14.25	16.18	0.98	12	3.78	4.37	7.87	9.56	2.72	7.01	2.01	5.35	7	222	177	150
300(12")	12.28	17.00	19.02	0.98	12	4.57	5.20	9.41	11.38	4.05	8.35	2.83	7.44	9.06	155	125	105
350(14")	13.97	18.75	20.47	1.14	12	4.57	5.20	10.20	12.01	4.05	8.35	2.83	7.44	11.81	155	125	105
400(16")	15.69	21.25	23.62	1.14	16	6.02	6.65	11.89	13.90	4.33	8.35	2.83	7.44	14.01	133	103	88
450(18")	17.75	22.75	25.20	1.26	16	6.54	7.13	12.48	14.37	4.76	10.59	4.57	11.22	18.27	111	88	74
500(20")	19.7	25.00	27.99	1.26	20	6.73	7.48	14.37	15.94	4.76	12.99	4.57	11.22	18.27	74	59	52
600(24")	23.66	29.50	32.00	1.38	20	7.52	8.23	16.73	18.11	4.76	12.99	4.57	11.22	18.27	74	59	52

ALL DIMENSIONS ARE IN INCHES

DIN															Unit: mm		
Size mm DN(inch)	D1	D2	D3	øe	n	L	L1	H1	H2	H3	K	L2	L3	D4	Test Pressure (kgf/cm ²)		Working PRESSURE (Kgf/cm ²)
															Body	Seat	
200(8")	203	295	347	23	8	76	87	174	211.2	69	178	51	136	178	15.0	12.0	10.0
250(10")	255	350	411	25	12	96	111	200	242.7	69	178	51	136	178	15.0	12.0	10.0
300(12")	312	400	483	25	12	116	132	239	289	103	212	72	189	230	10.5	8.5	7.0
350(14")	355	460	520	25	16	116	132	259	305	103	212	72	189	300	10.5	8.5	7.0
400(16")	398	515	600	27	16	153	169	302	363	110	212	72	189	355.8	9.0	7.0	6.0
450(18")	451	565	640	27	20	166	181	317	365	121	269	116	285	464	7.5	6.0	5.0
500(20")	500	620	711	27	20	171	190	365	405	121	330	116	285	464	5.0	4.0	3.5
600(24")	600	725	813	30	20	191	209	425	460	121	330	116	285	464	5.0	4.0	3.5

ALL DIMENSIONS ARE IN MM



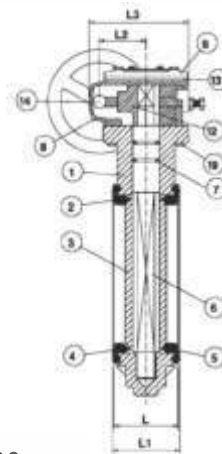
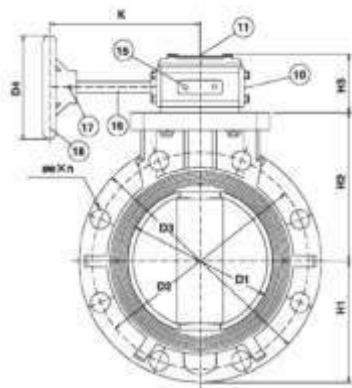
BUTTERFLY VALVE
SUPER LARGE SIZED

BS SERIES
BS 300 | SIZE : 28" - 48"



MATERIALS OF CONSTRUCTION

S.No	Parts	Pcs	Materials
1	Body	1	PP, PPG
2	Disc	1	UPVC, CPVC
3	Stem	1	USU 410
4	Stem O-ring	2	EPDM / VITON
5	Washer	1	SUS 304
6	Seat	1	EPDM/VITON/HYPALON
7	Disc O ring (A)	2	EPDM / VITON
8	Disc O ring (B)	2	EPDM / VITON
9	Gear Box	1	Cast Iron
10	Gear Box Cap	1	Cast Iron
11	Gear	1	Ductile Iron
12	Bearing	4	Copper
13	Bolts	6	Steel
14	Tightfining Bolt	4	SS 304
15	Worm Shaft	1	Steel
16	Hand Wheel	1	Cast iron
17	Spur Gear Body	1	Cast iron
18	Spur Gear	1	Steel
19	Spur Gear Shaft	1	Steel
20	Spur Gear Cover	1	Cast Iron



DN700 ~ DN1200



DIMENSIONAL TABLE

JIS													Unit: mm	
Size mm DN(inch)	D1	D2	D3	n	e	H1	H2	H3	K	D4	L	L1	Test Pressure (kgf/cm ²)	Working Pressure (kgf/cm ²)
700(28")	680	840	928	24	33	499	563	125	306	406	200	206	4.0	3.0
800(32")	780	950	1060	28	33	565	630	128	370	406	234	245	4.0	3.0
900(36")	870	1050	1178	28	33	624	694	142	370	406	234	246	4.0	3.0
1000(40")	970	1160	1286	28	39	684	762	210	471	508	294	301	4.0	3.0
1100(44")	1070	1275	1403	28	39	712	823	210	471	508	294	301	3.0	2.0
1200(48")	1170	1380	1512	32	39	776	876	210	471	508	294	301	3.0	2.0

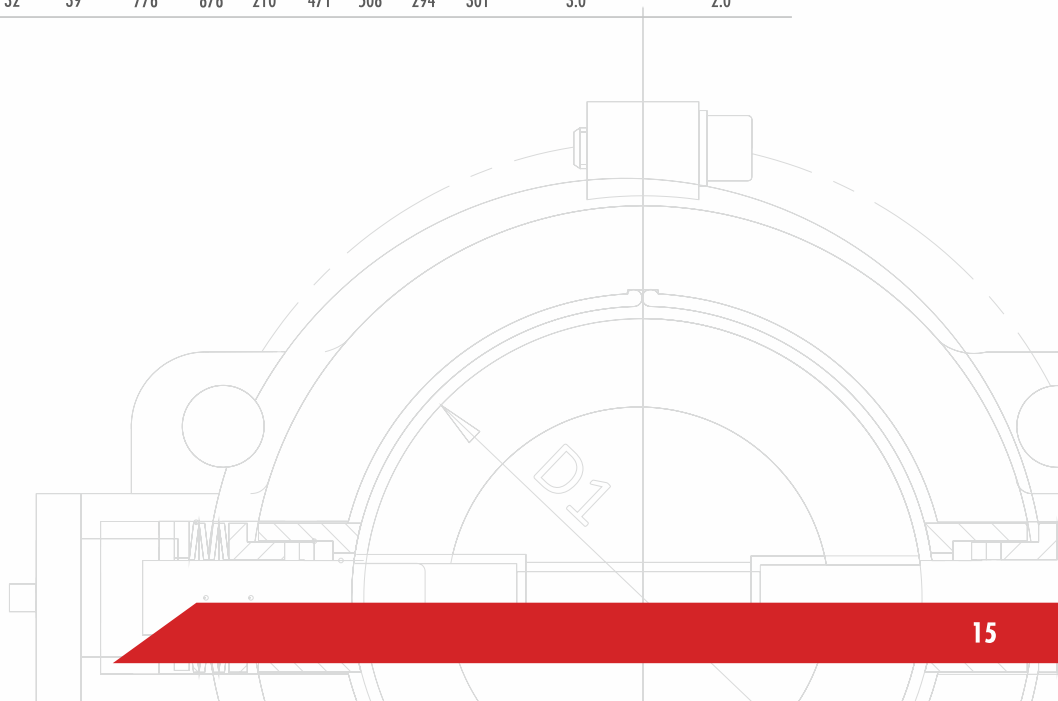
ALL DIMENSIONS ARE IN MM

ANSI													Unit: mm	
Size mm DN(inch)	D1	D2	D3	n	e	H1	H2	H3	K	D4	L	L1	Test Pressure (kgf/cm ²)	Working Pressure (kgf/cm ²)
700(28")	26.77	33.99	36.54	24	1.37	19.65	22.17	4.90	12.04	16	7.87	8.11	57.0	43.0
800(32")	30.70	38.50	41.73	24	1.61	22.24	24.80	5.04	14.58	16	9.21	9.64	57.0	43.0
900(36")	34.25	42.75	46.38	32	1.62	24.57	27.32	5.59	14.58	16	9.21	9.69	57.0	43.0
1000(40")	38.18	46.25	50.63	32	1.62	26.93	30.00	8.27	18.54	20	11.57	11.85	57.0	43.0
1100(44")	42.12	51.75	55.25	40	1.62	28.03	32.48	8.27	18.54	20	11.57	11.85	43.0	28.0
1200(48")	46.06	56.00	59.52	44	1.62	30.55	34.48	8.27	18.54	20	11.57	11.85	43.0	28.0

ALL DIMENSIONS ARE IN INCHES

DIN													Unit: mm	
Size mm DN(inch)	D1	D2	D3	n	e	H1	H2	H3	K	D4	L	L1	Test Pressure (kgf/cm ²)	Working Pressure (kgf/cm ²)
700(28")	680	840	928	24	30	499	563	125	306	406	200	206	4.0	3.0
800(32")	780	950	1060	24	33	565	630	128	370	406	234	245	4.0	3.0
900(36")	870	1050	1178	28	33	624	694	142	370	406	234	246	4.0	3.0
1000(40")	970	1175	1286	28	36	684	762	210	471	508	294	301	4.0	3.0
1100(44")	1070	-	1403	-	-	712	825	210	471	508	294	301	3.0	2.0
1200(48")	1170	-	1512	32	39	776	876	210	471	508	294	301	3.0	2.0

ALL DIMENSIONS ARE IN MM



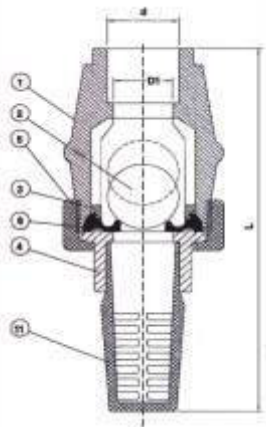
BALL TYPE FOOT VALVE VERTICAL TYPE

JF SERIES
SOCKET JF 100 / THREAD JF 200/
FLANGED JF 300 | SIZE : 1/2" - 10"

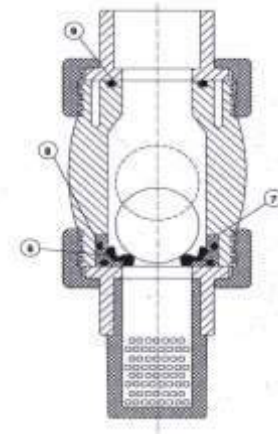


MATERIALS OF CONSTRUCTION

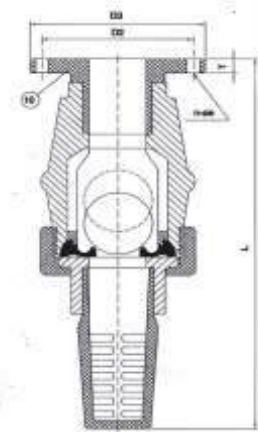
S.No	Parts	Pcs	Materials
1	Body	1	UPVC / CPVC
2	Ball	1	UPVC / CPVC
3	Washer	1	UPVC / CPVC
4	Connector	1/2	UPVC / CPVC
5	Union Nut	1/2	UPVC / CPVC
6	Seat	1	EPDM / VITON
7	Seat Carrier	1	UPVC / CPVC
8	Seat Carrier O ring	1	EPDM / VITON
9	Solid End O ring	1	EPDM / VITON
10	Flanged End	1	UPVC / CPVC
11	Screen	1	UPVC / CPVC



15A(1/2") - 50A(2")



65A(2-1/2") - 100A(4")



FLANGED TYPE
15A(1/2") - 250A(10")

DIMENSIONAL TABLE

Nom. Size DN(inch)	D1	JSI							L			T	Unit: mm
		d		D2	D3	n	øe	Screw	Socket	Flange			
		Screw	Socket										
15 (1/2")	15	PT	22	70	95	4	15	138	138	153	16		
20 (0.75")	20	PT	26	75	100	4	15	164	164	183	16		
25 (1")	26	PT	32	90	125	4	19	180	180	202	16		
32 (1.25")	36	PT	38	100	135	4	19	226	226	253	18		
40 (1.5")	36	PT	48	105	145	4	19	226	226	253	18		
50 (2")	40	PT	60	120	155	4	19	254	254	283	21		
65 (2.5")	65	PT	76	140	175	4	19	305	305	335	20		
80 (3")	80	PT	89	150	185	8	19	373	373	400	23		
100 (4")	100	PT	114	175	210	8	19	495	495	520	23		
150 (6")	150	-	-	240	280	8	23	-	-	790	23		
250 (10")	250	-	-	355	400	12	25	-	-	1190	25		

ALL DIMENSIONS ARE IN MM



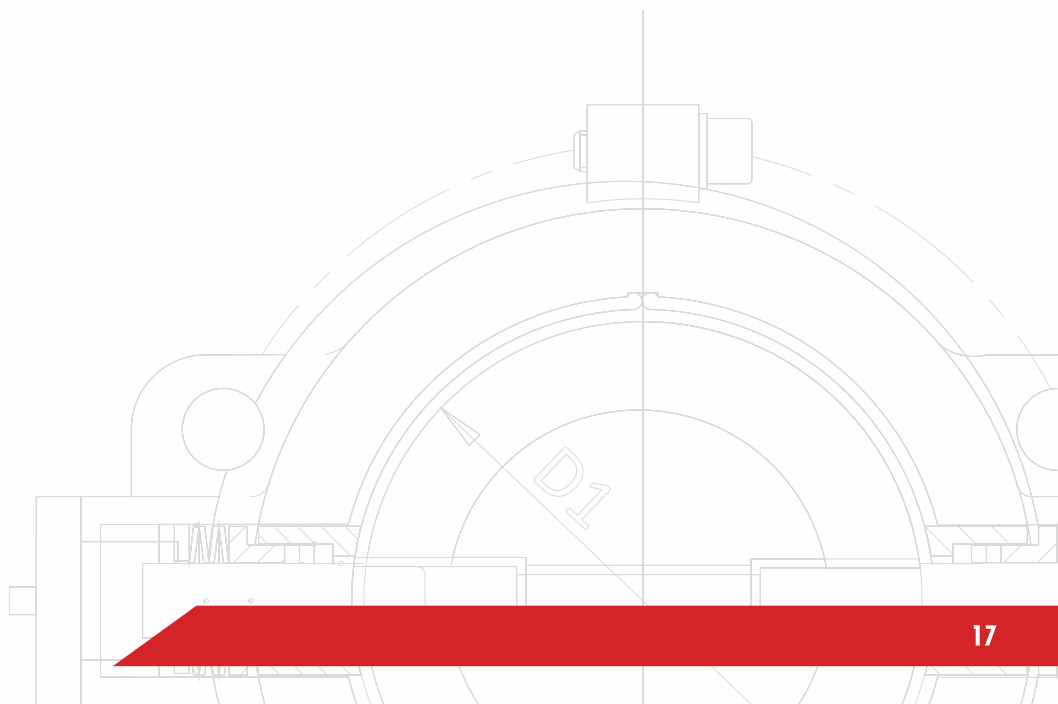
DIMENSIONAL TABLE

Nom.Size DN(inch)	D1	ANSI						Unit: mm			
		d		D2	D3	n	øe	L			T
		Screw	Socket					Screw	Socket	Flange	
15 (0.5")	0.59	NPT	0.84	2.375	3.500	4	0.63	5.43	5.43	6.02	0.62
20 (0.75")	0.79	NPT	1.05	2.750	3.875	4	0.63	6.45	6.45	7.20	0.62
25 (1")	1.02	NPT	1.32	3.125	4.250	4	0.63	7.08	7.08	7.95	0.62
32 (1.25")	1.42	NPT	1.67	3.500	4.625	4	0.63	8.89	8.89	9.96	0.70
40 (1.50")	1.42	NPT	1.91	3.875	5.000	4	0.63	8.89	8.89	9.96	0.70
50 (2")	1.58	NPT	2.38	4.750	6.000	4	0.75	10.0	10.0	11.14	0.82
65 (2.5")	2.56	NPT	2.88	5.500	7.000	4	0.75	12.0	12.0	13.18	0.78
80 (3")	3.15	NPT	3.51	6.000	7.500	4	0.75	14.68	14.68	15.74	0.90
100 (4")	3.94	NPT	4.51	7.500	9.000	8	0.75	19.48	19.48	20.47	0.90
150 (6")	-	-	-	9.500	11.000	8	0.88	-	-	31.10	0.90
250 (10")	-	-	-	14.250	16.000	12	1.00	-	-	46.85	0.98

ALL DIMENSIONS ARE IN INCHES

Nom.Size DN(inch)	D1	DIN						Unit: mm			
		d		D2	D3	n	øe	L			T
		Screw	Socket					Screw	Socket	Flange	
15 (0.5")	15	R1/2	20	65	95	4	14	138	138	153	16
20 (0.75")	20	R3/4	25	75	105	4	14	164	164	183	16
25 (1")	26	R1	32	85	115	4	14	180	180	202	16
32 (1.25")	36	R1-1/4	40	100	140	4	18	226	226	253	18
40 (1.5")	36	R1-1/2	50	110	150	4	18	226	226	253	18
50 (2")	40	R2	63	125	165	4	18	254	254	283	21
65 (2.5")	65	R2-1/2	75	145	185	4	18	305	305	335	20
80 (3")	80	R3	90	160	200	8	18	373	373	400	23
100 (4")	100	R4	100	180	220	8	18	495	495	520	23
150 (6")	150	-	-	240	285	8	23	-	-	790	23
250 (10")	250	-	-	350	395	12	25	-	-	1190	25

ALL DIMENSIONS ARE IN MM



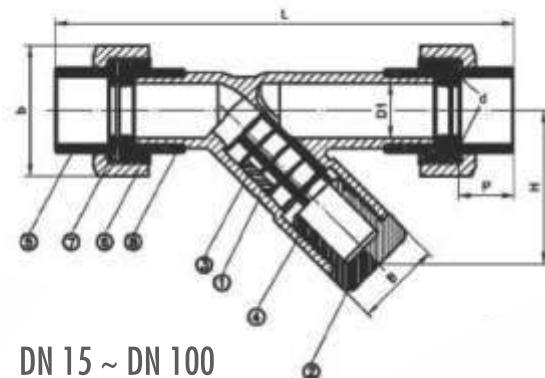
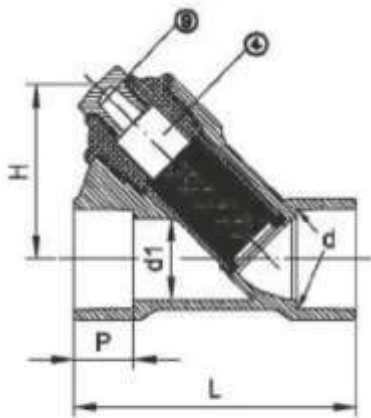
Y-TYPE STRAINER

EY SERIES
 SOCKET EY 100/ THREAD EY 200/
 FLANGE EY 300 | SIZE : 0.5" - 4"



MATERIALS OF CONSTRUCTION

S.No	Parts	Pcs	Materials
1	Body	1	UPVC
2	Lid	1	UPVC
3	Screen	1	UPVC
4	Body O-Ring	1	EPDM / VITON
5	Connector	2	UPVC
6	Union Nut	2	UPVC
7	Union O-Ring	2	EPDM / VITON
8	Flange	2	PVC



DN 15 ~ DN 100

DIMENSIONAL TABLE

Nom. Size DN(inch)	JIS								mm	
	D1	D2	I		P	D		H		B
			SOC/THD	FLANGE		SOCKET	THRED			
15(0.5)	15	46	205	147	-	22	PT 0.75	70	35	
20(0.75)	20	61	234	167	-	26	PT0.75	80	39	
25(1)	25	70	250	178	-	22	PT1	95	47	
32(1.25)	32	86	283	202	-	38	PT0.25	110	55	
40(1.5)	40	90	312	212	-	48	PT0.5	132	70	
50(2)	50	101	350	236	-	60	PT2	155	81	
65(2.5")	65	89.5	209.5	-	-	44.5	PT2.5	137.1	89.5	
80(3")	80	109.3	244.5	-	-	47.63	PT3"	163.85	109.3	
100(4")	100	136.18	297	-	-	57.15	PT4"	199.26	136.16	

ALL DIMENSIONS ARE IN MM



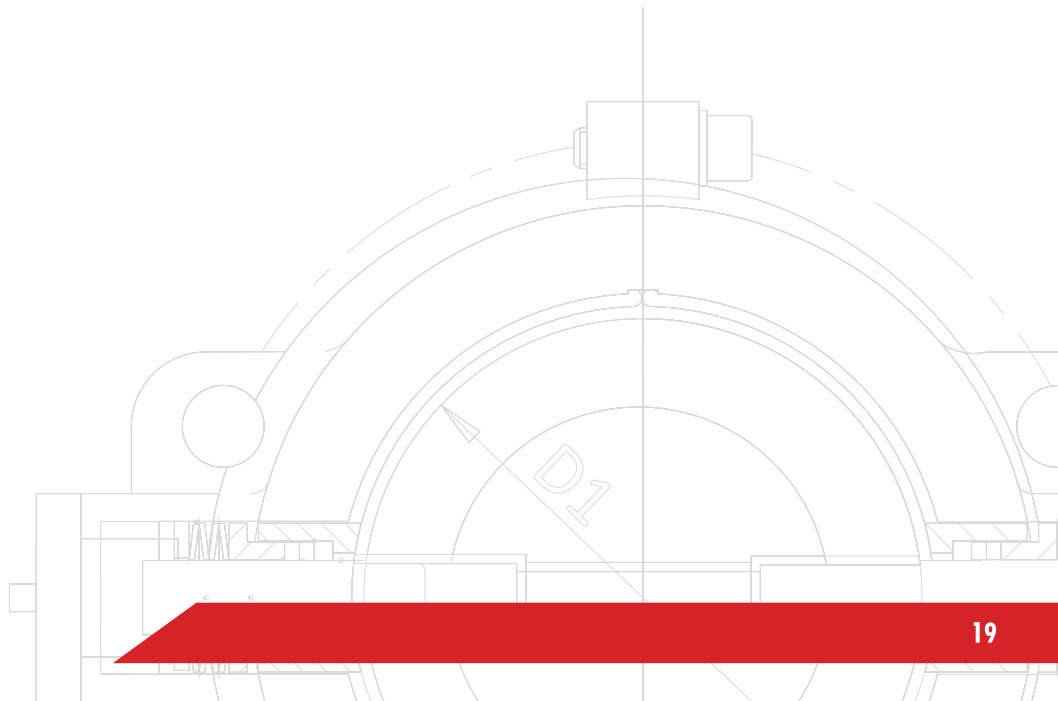
DIMENSIONAL TABLE

ANSI									mm
Nom. Size DN(inch)	D1	D2	L		P	D		H	B
			SOC/THD	FLANGE		SOCKET	THRED		
15(0.5)	0.59	1.81	8.07	5.78	-	0.848	NPT 0.5	2.75	1.37
20(0.75)	0.79	2.4	9.21	6.57	-	1.068	NPT0.75	3.14	1.63
25(1)	1.02	2.75	9.84	7	-	1.325	NPT1	3.75	1.85
32(1.25)	1.26	3.48	11.14	7.95	-	1.67	NPT0.25	4.33	2.16
40(1.5)	1.57	3.48	12.28	8.35	-	1.912	NPT0.5	5.19	2.75
50(2)	1.97	3.97	13.77	9.29	-	2.387	NPT2	6.1	3.18
65(2.5")	2.39	3.52	8.25	-	-	1.75	NP2.5	5.4	3.525
80(3")	3.15	4.3	9.63	-	-	1.88	NPT3"	6.45	4.3
100(4")	3.94	5.36	11.69	-	-	2.25	NPT4"	7.84	5.36

ALL DIMENSIONS ARE IN INCHES

DIN									mm
Nom. Size DN(inch)	D1	D2	L		P	D		H	B
			SOC/THD	FLANGE		SOCKET	THRED		
15(0.5)	15	46	205	147	-	20	R0.75	70	35
20(0.75)	20	61	234	167	-	25	R0.75	80	39
25(1)	25	70	260	178	-	32	R1	96	47
32(1.25)	32	86	283	202	-	40	R0.25	110	55
40(1.5)	40	90	312	212	-	50	R0.5	132	70
50(2)	50	101	350	236	-	63	R2	156	81
65(2.5")	65	89.5	209.5	-	-	44.5	R2.5	137.1	89.5
80(3")	80	109.3	244.5	-	-	47.63	R3"	163.85	109.5
100(4")	100	138.10	297	-	-	57.15	R4"	199.26	130.16

ALL DIMENSIONS ARE IN MM



PERMISSIBLE WORKING TEMPERATURE RANGE FOR THERMO PLASTICS

Abbreviation of Material	Material	Maximum Permissible Temperatures	
		°C	°F
UPVC	UNPLASTICIZED POLYVINYL CHLORIDE	0°- 60°	32°- 140°
CPVC	CHLORINATED POLYVINYL CHLORIDE	0°- 90°	32°- 210°
PP	POLYPROPYLENE	20°- 90°	'-5°- 195°
PPG (FRTP)	FIBRE GLASS FORTIFIED POLYPROPYLENE	'-20°- 100°	5°- 210°
PVDF	POLYVINYLIDENE FLUORIDE	'-40°- 120°	'-45°- 230°
PTFE	POLYETRA FLUOROETHYLENE (TEFLON)	Under 260°	Under 500°
ABS	ACRYLONITRILE BUTADIENE STYRENE	Under 95°	Under 200°
FPM	FLUORINE RUBBER VITON	Under 180°	Under 355°
EPDM	ETHYLENEPROPYLENE RUBBER	Under 90°	Under 195°

PHYSICAL PROPERTIES FOR THERMO PLASTICS

Properties	Unit	Test Method	UPVC	CPVC	PP	PVDF	PPG	PE-80	PE-100
Specific Gravity	g/cm3	ASTM D792	1.3-1.4	1.49	0.92	1.76-1.78	1.12	0.94	0.95
Tensile Strength @yield	kg/cm2	ASTM D638	478	518	280	530	850	180(min)	250
Tensile Strength @break	kg/cm2	ASTM D638	452	515	450	350	1500	320(min)	600<
Modulus of Elasticity in tension	kg/cm2	ASTM D638	26900	25200	9700	25300	40600	8000	8000
Flexural Modulus	kg/cm2	ASTM D638	36900	38200	11200	22260	58000	8000	9000
Izod (23° C)	kg/cm2	ASTM D256	14	32	13	6.5	12	10	17
Rockwall Hardness	R-scale	ASTM D785	80	85	95	77	105	-	40
Deflection Temperature	C	ASTM D648	66	103	110	147	165	64	65
NSF Portable water approved			YES	YES	YES	YES		YES	YES
Industry standard color			Grey/White	L.Grey	Cre/Black	Natural		Black/Yellow	Black/Blue

PRODUCT RANGE (Lined Valves CS/DI/CF8 or CF8M Body with Lining of PFA/FEP/ETFE/ECTFE/PVDF/PPH)



PRODUCT RANGE (THERMO PLASTIC VALVES, MOCs : PP/PPH/ISO.PP/PVDF/ETFE)





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CONSULTANT WITH WHOM OUR PRODUCTS ARE APPROVED

Aker Powergas Pvt Ltd	Koverner John Brown Limited	Shroff & Associates Pvt Ltd
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Hindustan Zinc Ltd	Debari & Visakhapatnam
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Jaghadia Copper Ltd	Jaghadia
JSW Ltd	Vasind
Jindal Iron & Steel Co Ltd	Tarapur
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