



ISO 9001

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HIGH QUALITY PRODUCTS



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Diaphragm Valve

隔膜閥 系列

- Material: UPVC, PP, CPVC, PPG, PVDF
- Size: DN15~DN250
- 材質：UPVC, PP, CPVC, PPG, PVDF
- 尺寸：DN15~DN250



Hi-Tech'S, Hi-Quality'S



DIAPHRAGM VALVE / Flanged type



DV Series 隔膜凡而 (法蘭式)

DV300
Size: DN15~DN250

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PPG, PVDF	11	Grease Nipple	1	SUS
2	Bonnet	1	PPG, PVDF	12	Stud Bolt & Nut	4	15A-25A SUS304
3	Compressor	1	15A-25A PVDF 40A-250A FC20	13	Inserted Nut	6	40A-50A SUS304
4	Hand Wheel	1	PP, ABS	14	Bolt Nut & Washer	8	65A-125A BSBM
5	Sleeve	1	15A-50A BSBM 65A-250A FC25	15	thrust Bearing	12	150A SUS304
6	Stem	1	15A-50A BSBM 65A-250A SS41	16	Stopper	20	250A SUS304
7	Diaphragm	1	EPDM, HYALON, TEFLON	17	Set Nut	1	Standardized 80A-250A USED ONLY
8	Cap	1	15A-25A BSBH 40A-250A PVC	18	Gauge Cover	1	SS41 BSBM SUS304
9	Compressor Pin	1	SUS-304	19	Sheet Ring	1	PC
10	Name Plate	1	PVC	20	Washer	1	EPDM

Note: 1. SUS 304Stainless Steel AISI 304 2. SS 41Rolled steel for General Structure 3. BSBMFree Cutting Brass Bar
4. FC 20Gray Cast Iron 5. SUPSteel for Spring ASTM A-230-68

※第3、5、6、12、14項材質如用SUS-304或SUS-316為特殊規格，價格另計。
※PVC隔膜上蓋(BONNET)標準採用PPG，如選用PVDF上蓋為特殊規格，價格另計。

The standard material to bonnet: PPG
Optional PVDF bonnet material for PVDF diaphragm valve.

Optional materials on request for part no. 4, 5, 6, 12, 14: SUS 304 or SUS 316.

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DIMENSIONS TABLE

JIS											Unit: mm		PRESS Test for Assembly (at 20°C)									
Nom. Size mm(inch)	D1	D2	D3	e	n No. of Holes	D4	D5	Lift ℓ	L	T	H	I	Test Pressure Unit: kgf/cm²									
													Rubber Diaphragm					Teflon Diaphragm				
													UPVC	PP	PPG	CPVC	PVDF	UPVC	PP	PPG	CPVC	PVDF
15(1/2")	16	70	95	15	4	59x53	94	13	110	13	101	140	10	10	10	10	10	7	7	10	7	
20(3/4")	20	75	100	15	4	74x63	94	13	120	15	106	152	10	10	10	10	10	7	7	10	7	
25(1")	25	90	125	19	4	80x66	94	14	130	17	113	158	10	10	10	10	10	7	7	10	7	
40(1 1/2")	41	105	140	19	4	126	147	24	180	17	133	193	10	10	10	10	10	7	7	7	7	
50(2")	52	120	155	19	4	148	147	28	210	17	145	210	10	10	10	10	10	7	7	7	7	
65(2 1/2")	68	140	175	19	4	190	202	32	250	22	197	276	10	10	10	10	10	7	7	7	7	
80(3")	78	150	185	19	8	215	202	34	280	20	218	293	10	10	10	10	10	6	5	6	6	
100(4")	100	175	210	19	8	255	241	54	340	25	261	370	10	10	10	10	10	6	5	6	6	
125(5")	125	210	250	23	8	320	274	72	410	24	308	412	7	7	7	7	7	5	4	4	5	
150(6")	148	240	280	23	8	385	395	72	480	25	334	471	7	7	7	7	7	5	4	4	5	
200(8")	198	290	330	23	12	430	395	96	570	30	419	625	4	4	4	4	4	3	3	3	3	
250(10")	248	355	400	25	12	540	555	132	680	31	510	750	4	3	4	4	4	3	3	3	3	

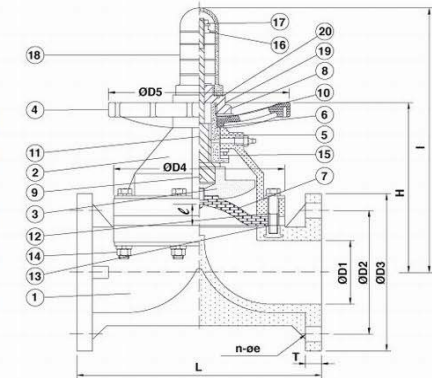
CV VALUE

CV值 [GMP/(1bf/in²)¹/²]	尺寸	CV值
Full Open: 100%	1/2"	3.27
	3/4"	5.29
	1"	8.87
	1-1/2"	31.09
	2"	43.15
	2-1/2"	90.68
	3"	116.79
	4"	186.78
	6"	345.26

BOLTS TORQUE VALUE

SIZE	Kg/cm²	N.m
1/2"	90	8.83
3/4"	110	10.79
1"	110	10.79
1-1/2"	150	14.72
2"	220	21.58
2-1/2"	220	21.58
3"	280	27.47
4"	280	27.47
6"	280	27.47

1 Kg/cm² = 0.0981 N/m



DIMENSIONS TABLE

ANSI											Unit: inch		PRESS Test for Assembly (at 20°C)									
Nom. Size mm(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	Test Pressure Unit: psi									
													Rubber Diaphragm					Teflon Diaphragm				
													UPVC	PP	PPG	CPVC	PVDF	UPVC	PP	PPG	CPVC	PVDF
15(1/2")	0.63	2.38	3.50	0.63	4	2.32x2.09	3.70	0.51	4.25	0.51	3.98	5.51	150	150	150	150	150	150	105	105	150	105
20(3/4")	0.79	2.76	3.86	0.63	4	2.80x2.48	3.70	0.51	5.90	0.59	4.17	5.98	150	150	150	150	150	150	105	105	150	105
25(1")	0.98	3.13	4.25	0.63	4	3.15x2.60	3.70	0.55	5.90	0.67	4.45	6.22	150	150	150	150	150	150	105	105	150	105
40(1 1/2")	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	150	150	150	150	105	105	150	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	150	150	150	150	105	105	150	105
65(2 1/2")	2.68	5.49	7.01	0.75	4	7.48	7.95	1.26	9.85	0.79	7.76	10.87	150	150	150	150	150	150	105	105	150	105
80(3")	3.07	6.00	7.52	0.75	4	8.46	7.95	1.34	10.40	0.79	8.50	11.54	150	150	150	150	90	75	90	90	90	90
100(4")	3.94	7.50	9.02	0.75	8	10.04	9.49	2.13	12.95	0.82	10.28	14.57	150	150	150	150	150	90	75	90	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	105	105	75	60	60	75	75	75
150(6")	5.83	9.51	10.98	0.87	8	15.16	15.55	2.83	18.90	0.98	13.15	18.54	105	105	105	105	105	75	60	60	75	75
200(8")	7.80	11.75	13.50	0.87	8	16.93	15.55	3.78	22.44	1.18	16.40	24.61	60	60	60	60	45	45	45	45	45	45
250(10")	9.76	14.25	15.98	0.98	12	21.26	21.85	5.20	26.77	1.22	20.08	29.53	60	45	60	60	45	45	45	45	45	45

DIN												Unit: mm		PRESS Test for Assembly (at 20°C)											
Nom. Size mm(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	Test Pressure Unit: kgf/cm²												
													Rubber Diaphragm						Teflon Diaphragm						
													UPVC	PP	PPG	CPVC	PVDF	UPVC	PP	PPG	CPVC	PVDF			
15(1/2")	16	65	95	14	4	59x53	94	13	130	23	101	140	10	10	10	10	10	10	7	7	10	7			
20(3/4")	20	75	105	14	4	74x63	94	13	150	23	106	152	10	10	10	10	10	7	7	10	7				
25(1")	25	85	115	14	4	80x66	94	14	160	23	113	158	10	10	10	10	10	7	7	10	7				
40(1 1/2")	41	110	150	18	4	126	147	24	200	23	133	193	10	10	10	10	10	7	7	7	7				
50(2")	52	125	165	18	4	148	147	28	230	23	145	210	10	10	10	10	10	7	7	7	7				
65(2 1/2")	68	145	185	18	4	190	202	32	250	23	194	276	10	10	10	10	10	7	7	7	7				
80(3")	78	160	200	18	8	215	202	34	310	22	218	293	10	10	10	10	10	6	5	6	6				
100(4")	100	180	220	18	8	255	241	54	350	28	261	370	10	10	10	10	10	6	5	6	6				
125(5")	125	210	250	18	8	320	274	72	400	20	308	412	7	7	7	7	7	5	4	4	5				
150(6")	148	240	285	23	8	385	395	72	480	32	334	471	7	7	7	7	7	5	4	4	5				
200(8")	198	290	340	23	8	430	395	96	600	30	419	625	4	4	4	4	4	3	3	3	3				
250(10")	248	350	395	23	12	540	555	132	680	34	510	750	4	3	4	4	4	3	3	3	3				

※Standard dimensions based on PVC material



VACUUM-PROOF DIAPHRAGM VALVE



DV Series

耐真空隔膜凡而

DV300

Size :80mm(3")~250mm(10")

MATERIALS : UPVC,PP,FRTP.CPVC,PVDF

【專利品】台專新型第18490號

PATNET.NO. 18490

Note: Standard Type Diaphragm valve in size

15mm(1/2")-65mm(2 1/2") can be used under vacuum

※角牙、角牙母、心仔、壓板、螺絲、螺母、材質如用SUS-304或SUS-316為特殊規格，價格另計。

※PVDF隔膜膜上蓋(BONNET)標準材質使用PPG，如須使用PVDF上蓋為特殊規格，價格另計。

FEATURES

Concerning the standard diaphragm valve, the inserted metal of the diaphragm frequently comes out, when exposed to vacuum, therefore, the valve cannot function at all. S.H.VACUUM PROOF DIAPHRAGM VALVE has solved this problem and has won favorable valuation in various fields.

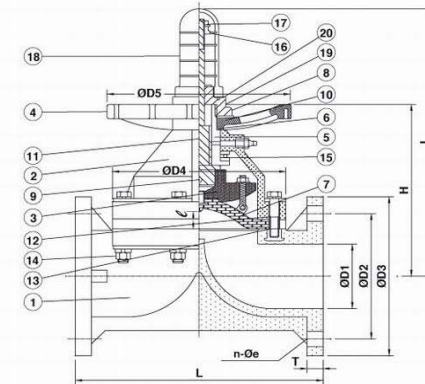
S.H. VACUUM-PROOF DIAPHRAGM VALVE has more inserted metals of the diaphragm. The diaphragm is designed for being hanged from from the compressor (Patent). This prevents the diaphragm from being drawn towards the valve seat (downwards) by vacuum. This valve can endure the perfect vacuum. (-760mm Hg)

This VALVE can also be used under pressure. As both body and bonnet are thick and monobloc moldings with vacuum resistance, this can be used not only under vacuum but under pressure.

(3kg/cm² (40lb/in²)-7kg/cm²(100lb/in²))

Reference(Unit: m/mHg)

Nom. Size m/m(inch)	STANDARD TYPE	VACUUM TYPE	Ball Valv
	Rubber Dia.	Rubbere dia.	
15(1/2")	-760	-	-760
20(3/4")	-760	-	-760
25(1")	-760	-	-760
40(1 1/2")	-760	-	-760
50(2")	-760	-	-760
65(2 1/2")	-760	-	-760
80(3")	-650 ~ -760	-760	-
100(4")	-500 ~ -600	-760	-
125(5")	-360 ~ -470	-760	-
150(6")	-250 ~ -360	-760	-
200(8")	-100 ~ -200	-760	-
250(10")	below -50	-760	-



DIMENSIONS TABLE

JIS												Unit: mm		PRESS Test for Assembly (at 20°C)				
Nom. Size mm(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	Test Pressure Unit: kgf/cm ²					
													Rubber Diaphragm					
													UPVC	PP	PPG	CPVC	PVDF	
80(3")	78	150	185	19	8	215	202	34	280	20	218	293	10	10	10	10	10	
100(4")	100	175	210	19	8	255	241	54	340	25	261	370	10	10	10	10	10	
125(5")	125	210	250	23	8	320	274	72	410	24	308	412	7	7	7	7	7	
150(6")	148	240	280	23	8	385	395	72	480	25	334	471	7	7	7	7	7	
200(8")	198	290	330	23	12	430	395	96	570	30	419	625	4	4	4	4	4	
250(10")	248	355	400	25	12	540	555	132	680	31	510	750	4	3	4	4	4	

ANSI												Unit: inch		PRESS Test for Assembly (at 20°C)				
Nom. Size mm(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	Test Pressure Unit: psi					
													Rubber Diaphragm					
													UPVC	PP	PPG	CPVC	PVDF	
80(3")	3.07	6.00	7.52	0.75	4	8.46	7.95	1.34	10.40	0.79	8.50	11.54	150	150	150	150	150	
100(4")	3.94	7.50	9.02	0.75	8	10.04	9.49	2.13	12.95	0.82	10.28	14.57	150	150	150	150	150	
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	105	105	105	
150(6")	5.83	9.51	10.98	0.87	8	15.16	15.55	2.83	18.90	0.98	13.15	18.54	105	105	105	105	105	
200(8")	7.80	11.75	13.50	0.87	8	16.93	15.55	3.78	22.44	1.18	16.40	24.61	60	60	60	60	60	
250(10")	9.76	14.25	15.98	0.98	12	21.26	21.85	5.20	26.77	1.22	20.08	29.53	60	45	60	60	60	

DIN												Unit: mm		PRESS Test for Assembly (at 20°C)				
Nom. Size mm(inch)	D1	D2	D3	e	n No. of holes	D4	D5	Lift ℓ	L	T	H	I	Test Pressure Unit: kgf/cm²					
													Rubber Diaphragm					
													UPVC	PP	PPG	CPVC	PVDF	
80(3")	78	160	200	18	8	215	202	34	310	22	218	293	10	10	10	10	10	
100(4")	100	180	220	18	8	255	241	54	350	28	261	370	10	10	10	10	10	
125(5")	125	210	250	18	8	320	274	72	400	20	308	412	7	7	7	7	7	
150(6")	148	240	285	23	8	385	395	72	480	32	334	471	7	7	7	7	7	
200(8")	198	290	340	23	8	430	395	96	600	30	419	625	4	4	4	4	4	
250(10")	248	350	395	23	12	540	555	132	680	34	510	750	4	3	4	4	4	

※ Standard dimensions based on PVC material



TRUE UNION DIAPHRAGM VALVE



DF Series 油任式隔膜閥 (插管式、牙口式)

DF100 SOCKET / DF200 THREAD

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Shaft	1	BRASS	9	Gauge Cover	1	PC
2	Diaphragm	1	EPDM, TEFLON	10	O'ring	2	EPDM, VITON
3	Body	1	UPVC, PP, CPVC, PVDF	11	Compressor	1	15A-25A PVDF 32A-50A PPG
4	Sleeve	1	BRASS	12	Indicator	1	PE
5	Union Nut	2	UPVC, PP, CPVC, PVDF	13	Bolt	4	SUS304
6	Handle	1	ABS	14	Nut	4	SUS304
7	End Connector	2	UPVC, PP, CPVC, PVDF	15	Washer spring washer	8	SUS304
8	Bonnet	1	UPVC, PP, CPVC, PVDF				

TORQUE VALUE(扭力值)

SIZE	Kg/cm ²	N.m
1/2"-3/4"	80	7.85
1"	80	7.85
1-1/2"	100	9.81
2"	100	9.81

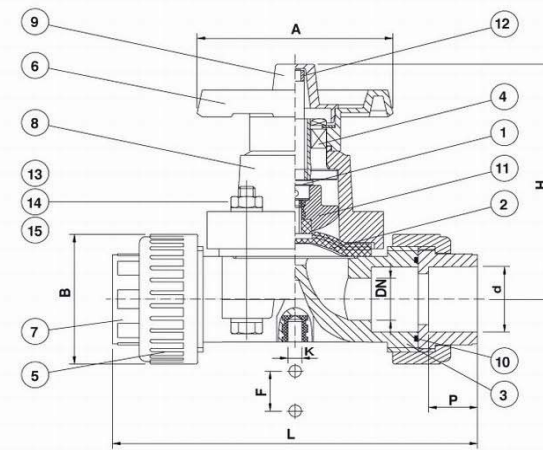
1Kg/cm²=0.0981N.m

CV VALUE

CV值 [GMP/(1bf/in²)^{1/2}]

OPENING: 100%

尺寸	CV值
1/2"	3.27
3/4"	5.29
1"	8.87
1-1/2"	31.09
2"	43.15



DN15~DN50

DIMENSIONS TABLE

Standards Norm. Size	JIS												ANSI												DIN											
	Unit: mm												Unit: inch												Unit: mm											
	Test Pres. (kgf/cm ²)												Test Pres. (lbf/in ²)												Test Pres. (kgf/cm ²)											
	d	P	B	L	H	A	F	K	Pile dia.	Rubber Dia.	Socket	Thread	d	P	B	L	H	A	F	K	Pile dia.	Rubber Dia.	Socket	Thread	d	P	B	L	H	A	F	K	Pile dia.	Rubber Dia.		
15-1/2"	22	PT1/2	22.2	54	166	104	81	25	M6	7	10	0.84	NPT1/2	0.875	2.126	6.53	4.094	3.189	0.984	M6	104	148	20	R1/2	54	54	166	104	81	25	M6	7	10			
20-3/4"	26	PT3/4	25.4	54	166	104	81	25	M6	7	10	1.05	NPT3/4	1.000	2.126	6.53	4.094	3.189	0.984	M6	104	148	25	R1/4	54	54	166	104	81	25	M6	7	10			
25-1"	32	PT1	28.6	63	183	116	91	25	M6	7	10	1.315	NPT1	1.125	2.480	7.2	4.567	3.583	0.984	M6	104	148	32	R1	63	63	183	116	91	25	M6	7	10			
32-1 1/4"	38	PT1 1/4	31.8	89	238	142	117	45	M8	7	10	1.66	NPT1-1/4	1.250	3.5	9.37	5.591	4.606	1.772	M8	104	148	40	R1-1/4	89	89	238	142	117	45	M8	7	10			
40-1 1/2"	48	PT1 1/2	34.9	89	238	142	117	45	M8	7	10	1.90	NPT1-1/2	1.35	3.5	9.37	5.591	4.606	1.772	M8	104	148	50	R1-1/2	89	89	238	142	117	45	M8	7	10			
50-2"	60	PT2	38.1	101	273	176	150	45	M8	7	10	2.375	NPT2	1.500	3.97	10.74	6.929	5.906	1.772	M8	104	148	63	R2	101	101	273	176	150	45	M8	7	10			

※ Standard dimensions based on PVC material



Y-TYPE AUTOMATIC DIAPHRAGM VALVE (NORMAL OPEN TYPE)



YT Series

Y 型自動凡而

**YT100 SOCKET/YT200 THREADED
YT300 FLANGED**
Size: 3/8" - 2"

Y Type Diaphragm Valve

Operation Instructions:

1. Valve Close Operations:

Air fill in from the cap's air vent hope, and body's air vent hole clear out the air.

2. Valve Open Operations:

Air fill in from the body's air vent hope and cap's air vent hole clear out the air.

Operation Limits:

1. 1-8kg/cm²

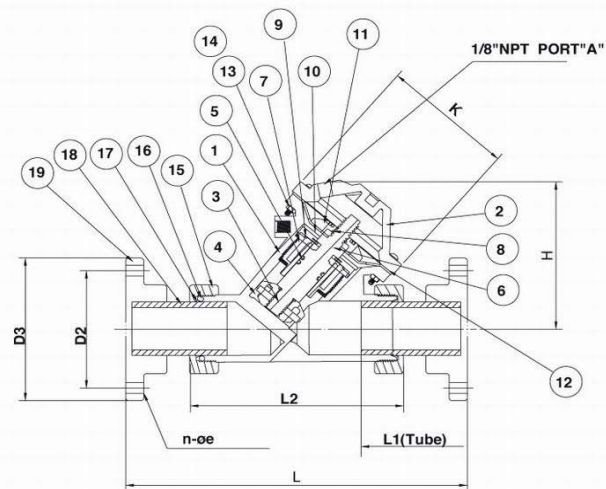
2. 1kg/cm air can open the valve (from the body's air vent hole)

3. The max. pressure inside of the valve (filled air pressure + flow pressure) is 8kg/cm²

4. The air pressure fill from the cap's air vent hole must be larger than the flow pressure that can close the valve.

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	PPS	11	Plate Screw	1	PPG
2	Bonnet	1	PPS	12	Diaphragm	1	EPDM
3	Disc Plate Screw	1	PPG	13	Bolt	6/8/12	SUS304
4	Disc	1	EPDM	14	Hex Nut	6/8/12	SUS304
5	Dynamic O'ring	1	EPDM	15	End Seal	2	EPDM
6	Shaft	1	PPG	16	Split Ring	2	PPO
7	Shaft Guide	1	PPG	17	Retainer Nut	2	PPG
8	Shaft Seal	1	EPDM	18	Tube	2	UPVC
9	Body Seal	1	EPDM	19	Flange	2	UPVC
10	Diaphragm Hader	1	PPG				



DN12~DN50

DIMENSIONS TABLE

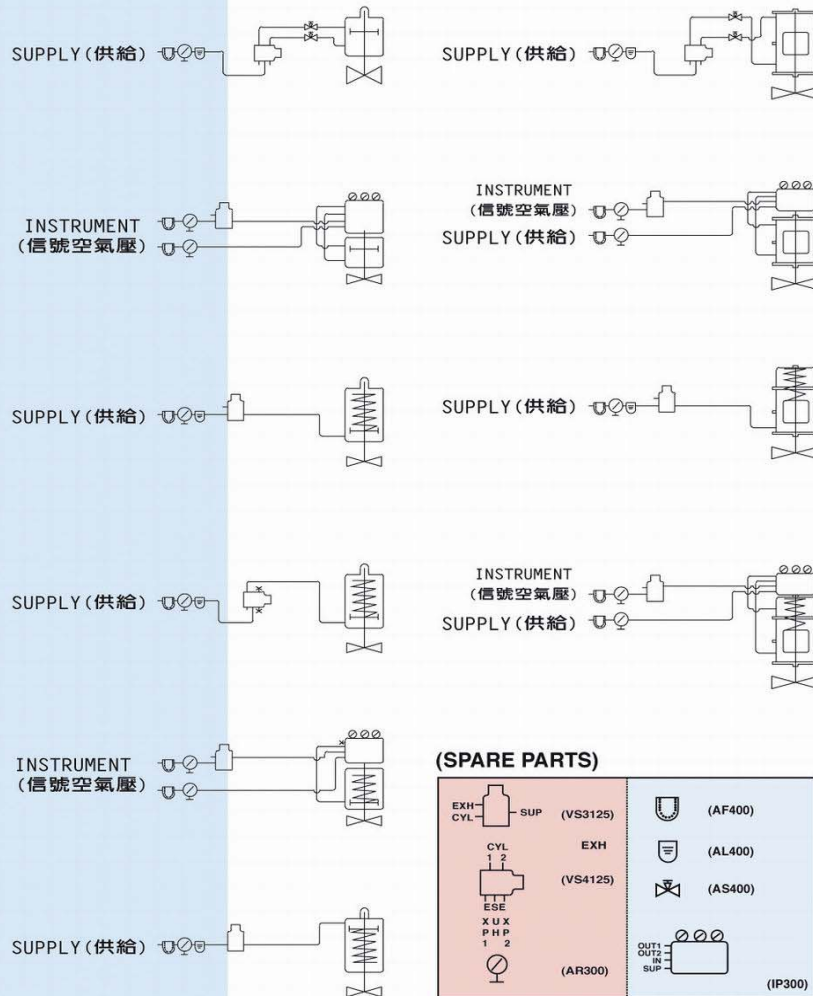
Nom. Size DN(inch)	L2	L1	L	H	K	JIS Unit:mm				ANSI Unit:inch				DIN Unit:mm			
						D2	D3	n	oe	D2	D3	n	oe	D2	D3	n	oe
12(3/8")	100	70	198	65	63	65	90	4	15	2.38	3.50	4	0.63	60	90	4	14
15(1/2")	100	70	219	65	63	70	953	4	15	2.38	3.50	4	0.63	65	95	4	14
20(3/4")	118	80	238	103	83	75	100	4	15	2.75	3.88	4	0.63	75	105	4	14
25(1")	118	80	238	103	83	90	125	4	19	3.13	4.25	4	0.63	85	115	4	14
32(1-1/4")	194	90	332	128	116	100	135	4	19	3.50	4.63	4	0.63	100	140	4	18
40(1-1/2")	194	90	332	128	116	105	140	4	19	3.88	5.00	4	0.63	110	150	4	18
50(2")	194	90	350	128	116	120	155	4	19	4.75	6.00	4	0.75	125	165	4	18

※ Standard dimensions based on PVC material



The Installation Diagram Picture For the Pneumatic Diaphragm Valve

自動式氣壓隔膜凡而零件配置圖



Diaphragm Valve Operation Temperature vs Pressure Chart

隔膜凡而使用溫度壓力表

(MATERIAL)		(NOM SIZE) mm(INCH)	15	20	25	40	50	65	80	100	125	150	200	250
(BODY)	(DIAPHRAGM)	working press. (c.u.f.)	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"	10"
U-PVC	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		0°C-20(36-68)(Working)	7	7	7	7	7	7	7	7	5	5	3	3
		21-40(70-100)	7	7	7	7	7	7	7	7	5	4	3	3
		41-60(106-140)	6	6	6	5	5	5	5	5	4	4	3	2
		(TEST PRESS)	10	10	10	7	7	7	6	6	5	5	3	3
		0°C-20(36-68)(Working)	7	7	7	5	5	5	4	4	3	3	2	2
	PTFE	21-40(70-100)	6	6	5	5	5	5	4	4	2	2	2	2
		41-60(106-140)	5	5	5	5	5	4	3	3	2	2	2	2
		(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		21-40(70-100)	7	7	7	7	7	7	7	7	5	5	3	3
		21-40(70-100)	7	7	7	7	7	7	7	5	5	4	3	3
		21-40(70-100)	6	6	6	5	5	5	5	4	3	2.5	2	2
PP	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	3
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	2
		40-60(106-140)	7	7	7	7	7	7	7	7	5	5	3	2
		61-90(142-194)	7	6	6	6	6	5	5	5	3	3	2	2
		(TEST PRESS)	7	7	7	7	7	7	5	5	4	4	3	3
		-20-40(-4-104)	5	5	5	5	5	5	5	5	3	3	2	2
	PTFE	40-60(106-140)	5	5	5	5	5	5	5	5	2.5	2	2	2
		61-90(142-194)	5	4	4	4	3	3	3	3	2.5	2	2	2
		(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	3
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	3
		40-60(106-140)	7	7	7	7	7	7	7	6	5	4	3	3
		61-90(142-194)	6	6	6	5	5	5	5	4	3	2	2	2
CPVC	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	3
		40-60(106-140)	7	7	7	7	7	7	7	7	5	4	3	3
		61-90(142-194)	6	6	6	5	5	5	5	5	4	4	3	2
		(TEST PRESS)	10	10	10	7	7	7	6	6	5	5	3	3
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	3
	PTFE	40-60(106-140)	6	6	5	5	5	5	4	4	2	2	2	2
		61-90(142-194)	5	5	5	5	5	4	3	3	2	2	2	2
		(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-40(-4-104)	7	7	7	7	7	7	7	7	5	5	3	3
		40-60(106-140)	7	7	7	7	7	5	7	6	5	4	3	3
		61-90(142-194)	6	6	6	5	5	10	5	5	4	3	2.5	2
PPG (FRTF)	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	7	5	5	4	3
		61-90(142-194)	7	7	7	7	6	6	6	5	5	4	3	2
		91-120(196-248)	5	5	5	4	4	4	3	3	3	2	2	1
		(TEST PRESS)	7	7	7	7	7	7	6	6	4	4	3	3
		-20-60(-4-140)	5	5	5	5	5	5	5	5	3	3	3	2
	PTFE	61-90(142-194)	5	5	5	5	5	5	4	4	3	3	2	1
		91-120(196-248)	4	4	4	3	3	3	2	2	2	1	1	1
		(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	7	5	5	4	3
		61-90(142-194)	7	7	7	7	7	7	7	5	5	5	3	2
		91-120(196-248)	6	6	6	5	5	5	5	3	3	2	2	1
PVDF	Rubbers	(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	7	5	5	3	3
		61-90(142-194)	7	7	7	7	7	7	7	5	5	5	3	3
		91-120(196-248)	6	6	6	5	5	5	5	4	4	4	2.5	2
		(TEST PRESS)	7	7	7	7	7	7	6	6	5	5	3	3
		-20-60(-4-140)	5	5	5	5	7	5	4	4	3	3	2	2
	PTFE	61-90(142-194)	5	5	5	5	5	5	4	3	3	2	2	2
		91-120(196-248)	5	5	5	5	4	4	3	3	2	2	2	2
		(TEST PRESS)	10	10	10	10	10	10	10	10	7	7	4	4
		-20-60(-4-140)	7	7	7	7	7	7	7	7	5	5	3	3
		61-90(142-194)	7	7	7	7	7	7	6	5	4	3	3	3
		91-120(196-248)	6	6	6	5	5	5	5	4	3	2.5	2	2



Ball Valve (True Union Type)

球閥 系列(雙由任型式)

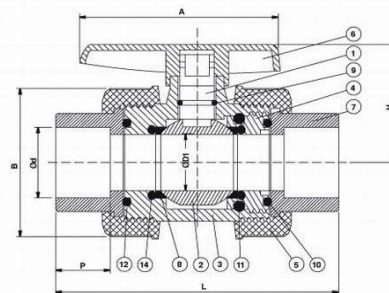
- Material: UPVC, PP, CPVC, PVDF
- Size: 1/2"~4"
- 材質：UPVC, PP, CPVC, PVDF
- 尺寸：1/2"~4"

Hi-Tech'S, Hi-Qualitly'S

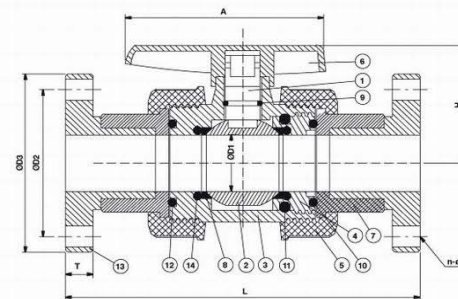




SAFETY BLOCK (TRUE UNION) BALL VALVE



SOCKET & SCREW TYPE



FLANGE TYPE

CB Series 安全球閥

CB100 SOCKET/ CB200 THREAD/ CB300 FLANGED
Size: 1/2" - 4"

本產品榮獲 NSF 14/NSF 61 認證合格

● MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	STEM	1	UPVC, PP, CPVC, PVDF	8	SEAT	2	PTFE
2	BALL	1	UPVC, PP, CPVC, PVDF	9	STEM O-RING	1 ... DN15-50 2 ... DN60-100	EPDM, VITON
3	BODY	1	UPVC, PP, CPVC, PVDF	10	SEAT CARRIER O-RING	1	EPDM, VITON
4	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF	11	BODY O-RING	1	EPDM, VITON
5	UNION NUT	2	UPVC, PP, CPVC, PVDF	12	SOLID END O-RING	1	EPDM, VITON
6	UHANDLE	1	ABS	13	FLANGE	2	UPVC, PP, CPVC, PVDF
7	END CONNECTOR	2	UPVC, PP, CPVC, PVDF				

● DIMENSIONS TABLE

JIS															Unit:mm	
Nominal Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	15	70	95	22	PT1/2	15	4	22.2	115	115	152	82	15	52	54	15
20(3/4")	19	75	100	26	PT3/4	15	4	25.4	125	125	166	101	16	63	54	15
25(1")	25	90	125	32	PT1	19	4	28.6	136	136	179	111	17	67	73	15
32(1-1/4")	38	100	135	38	PT1-1/4	19	4	31.8	184	178	221	110	17	69	98	15
40(1-1/2")	38	105	140	48	PT1-1/2	19	4	34.9	184	178	221	121	17	81.5	98	15
50(2")	48	120	155	60	PT2	19	4	38.1	201	198	248	150	20	98.5	120	15
65(2-1/2")	65	140	175	76	PT2-1/2	19	4	44.5	230	230	281	190	20	140	150	10
80(3")	78	150	185	89	PT3	19	8	47.6	272	272	330	230	20	165	184	10
100(4")	85	175	210	114	PT4	19	8	57.2	326	362	381	274	23	172	226	10

● DIMENSIONS TABLE

ANSI															Unit:inch	
Nominal Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press lb/in ²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	0.59	2.375	3.500	0.840	NPT1/2	0.625	4	0.875	4.566	4.53	5.98	3.228	0.591	2.047	2.125	222
20(3/4")	0.748	2.750	3.875	1.050	NPT3/4	0.625	4	1.000	5.039	4.92	6.54	3.976	0.630	2.48	2.52	222
25(1")	0.98	3.125	4.250	1.315	NPT1	0.625	4	1.125	5.748	5.35	7.05	4.37	0.669	2.637	2.87	222
32(1-1/4")	1.496	3.500	4.625	1.660	NPT1-1/4	0.625	4	1.250	7.244	7.01	8.70	4.33	0.669	2.716	3.818	222
40(1-1/2")	1.496	3.875	5.000	1.900	NPT1-1/2	0.625	4	1.375	7.244	7.01	8.98	4.82	0.709	3.208	3.818	222
50(2")	1.89	4.750	6.000	2.375	NPT2	0.750	4	1.500	7.913	7.80	9.6	5.905	0.787	3.877	4.724	222
65(2-1/2")	2.56	5.500	7.000	2.875	NPT2-1/2	0.750	4	1.750	9.05	9.05	10.9	7.48	0.787	5.51	5.91	148
80(3")	3.07	6.000	7.500	3.500	NPT3	0.750	8	1.875	10.2	10.7	12.99	9.06	0.866	6.50	7.24	148
100(4")	3.35	7.500	9.000	4.500	NPT4	0.750	8	2.250	12.83	14.252	15.07	10.79	0.866	6.77	8.89	148

DIN															Unit:mm	
Nominal Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	15	65	95	20	R1/2	14	4	16.0	116	115	152	82	15	52	54	15
20(3/4")	19	75	105	25	R3/4	14	4	18.5	128	125	166	101	16	63	64	15
25(1")	25	85	115	32	R1	14	4	22.0	146	136	179	110	17	67	73	15
32(1-1/4")	38	100	140	40	R1-1/4	18	4	26.0	184	178	221	110	17	69	97	15
40(1-1/2")	38	110	150	50	R1-1/2	18	4	31.0	184	178	228	121	18	81.5	97	15
50(2")	48	120	165	63	R2	18	4	37.5	201	198	243	150	20	98.5	120	15
65(2-1/2")	65	145	185	75	R2-1/2	18	4	43.5	230	230	277	190	20	140	150	10
80(3")	78	160	200	90	R3	18	8	51.0	272	272	330	230	20	165	184	10
100(4")	85	180	220	110	R4	18	8	61.0	326	362	383	274	22	172	226	10

* 本尺表以PVC材質為基準 本表試壓值以PVC、PVDF材質為基準PP材質試壓值為本表試壓值之70%

The dimension table is calculably based on PVC material.
The value of test pressure is calculably based on PVC/PVDF materials.
The value of test pressure for PP material is 70% based on this table.



TRUE UNION (DOUBLE UNION) BALL VALVE



CD Series 雙油任球閥

CD100 SOCKET/ CD200 THREAD/ CD300 FSANGED Size: 1/2" - 4"

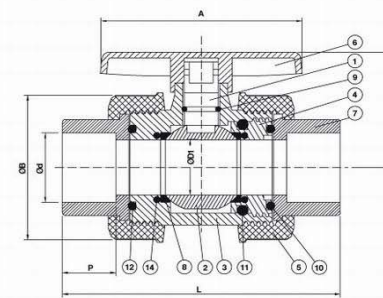
本產品榮獲 NSF 14/NSF 61 認證合格

MATERIALS OF CONSTRUCTION

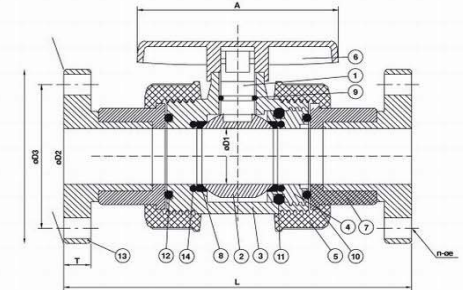
Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	STEM	1	UPVC, PP, CPVC, PVDF	8	SEAT	2	PTFE
2	BALL	1	UPVC, PP, CPVC, PVDF	9	STEM O-RING	(1). DN15-50 (2). DN60-100	EPDM, VITON
3	BODY	1	UPVC, PP, CPVC, PVDF	10	SEAT CARRIER O-RING	1	EPDM, VITON
4	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF	11	BODY O-RING	1	EPDM, VITON
5	UNION NUT	2	UPVC, PP, CPVC, PVDF	12	SOLID END O-RING	1	EPDM, VITON
6	HANDLE	1	ABS	13	FLANGE	2	UPVC, PP, CPVC, PVDF
7	END CONNECTOR	2	UPVC, PP, CPVC, PVDF				

DIMENSIONS TABLE

JIS																Unit:mm
Nom Size DN-Inch	D1	D2	D3	d		øe	n	P	L			A	T	H	B	Test Press kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	15	70	95	22	PT1/2	15	4	22.2	115	109	150	82	15	47	46	15
20(3/4")	20	75	100	26	PT3/4	15	4	25.4	131	131	169	101	15	64	61	15
25(1")	25	90	125	32	PT1	19	4	28.6	147	143	190	111	17	67	67	15
32(1-1/4")	38	100	135	38	PT1-1/4	19	4	31.8	186	186	210	110	17	83	96	15
40(1-1/2")	40	105	140	48	PT1-1/2	19	4	34.9	186	186	233	121	18	83	96	15
50(2")	50	120	155	60	PT2	19	4	38.1	197	197	247	150	21	102	113	15
65(2-1/2")	60	140	175	76	PT2-1/2	19	4	44.5	230	230	277	190	20	140	150	10
80(3")	78	150	185	89	PT3	19	8	47.6	272	272	330	230	23	165	184	10
100(4")	96	175	210	114	PT4	19	8	57.2	326	362	383	274	23.5	172	226	10



SOCKET & THREAD TYPE



FLANGE TYPE

DIMENSIONS TABLE

ANSI															Unit:inch	
Nom Size DN-Inch	D1	D2	D3	d		øe	n	P	L			A	T	H	B	Test Press lb/in ²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	0.591	2.375	3.500	0.840	NPT1/2	0.625	4	0.875	4.527	4.291	5.9	3.228	0.590	1.850	1.811	222
20(3/4")	0.78	2.750	3.875	1.050	NPT3/4	0.625	4	1.000	5.157	5.157	6.65	3.976	0.590	2.250	2.402	222
25(1")	0.984	3.125	4.250	1.315	NPT1	0.625	4	1.125	5.787	5.630	7.48	4.370	0.669	2.638	2.638	222
32(1-1/4")	1.25	3.500	4.625	1.660	NPT1-1/4	0.625	4	1.250	7.320	7.320	8.26	4.961	0.669	3.268	3.780	222
40(1-1/2")	1.57	3.875	5.000	1.900	NPT1-1/2	0.625	4	1.375	7.320	7.320	9.17	4.961	0.700	3.268	3.780	222
50(2")	1.969	4.750	6.000	2.375	NPT2	0.750	4	1.500	7.756	7.756	9.27	5.984	0.820	4.016	4.449	222
65(2-1/2")	2.36	5.500	7.000	2.875	NPT2-1/2	0.750	4	1.750	9.05	9.05	10.9	7.480	0.787	5.512	5.905	148
80(3")	3.071	6.000	7.500	3.500	NPT3	0.750	8	1.875	10.7	10.7	12.99	9.055	0.900	6.496	7.244	148
100(4")	3.77	7.500	9.000	4.500	NPT4	0.750	8	2.250	12.83	14.252	15.07	10.787	0.920	6.772	8.890	148

DIN																Unit:mm
Nom Size DN-inch	D1	D2	D3	d		øe	n	P	L			A	T	H	B	Test Press kgf/cm²
				Socket	Thread				Socket	Thread	Flange					
15(1/2")	15	65	95	20	R1/2	14	4	16.0	115	109	150	82	15	47	46	15
20(3/4")	20	75	105	25	R3/4	14	4	18.5	121	131	169	101	15	64	61	15
25(1")	25	85	115	32	R1	14	4	22.0	147	143	190	110	17	67	67	15
32(1-1/4")	38	100	140	40	R1-1/4	18	4	26.0	186	186	210	126	17	83	93	15
40(1-1/2")	40	110	150	50	R1-1/2	18	4	31.0	186	186	233	126	18	83	93	15
50(2")	50	125	165	63	RT2	18	4	37.5	197	197	247	152	21	102	113	15
65(2-1/2")	60	145	185	75	R2-1/2	18	4	43.5	230	230	277	190	20	140	150	10
80(3")	78	160	200	90	R3	18	8	51.0	272	272	330	230	23	165	184	10
100(4")	96	180	220	110	R4	18	8	61.0	326	362	383	274	23.5	172	226	10

* 本尺表以PVC材質為基準 本表試驗值以PVC、PVDF材質為基準 PP材質試驗值為本表試驗值之70%

The dimension table is calculably based on PVC material.
The value of test pressure is calculably based on PVC/PVDF materials.
The value of test pressure for PP material is 70% based on this table.



SAFETY BLOCK TRUE UNION BALL VALVE(NEW)



CA Series

新型安全雙由任球閥

CA100 Socket/ CA200 Thread/ CA300 Flanged
Size: 1/2" - 4"

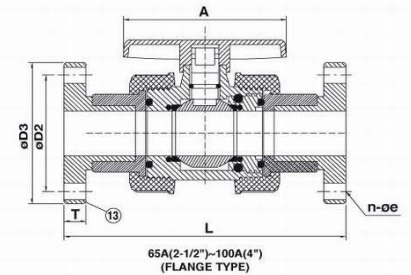
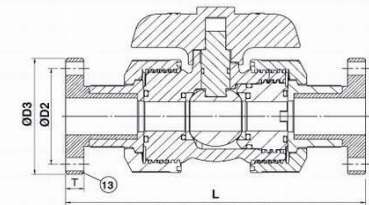
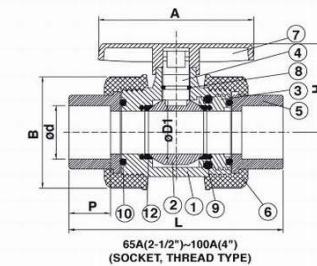
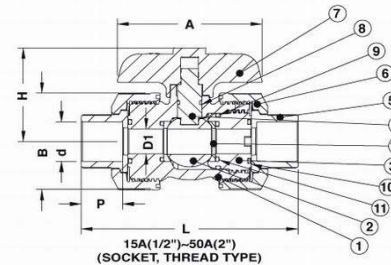
- Low Operation Torque
- The Key Design on the handle to remove the threaded seat cartridge easily.
- Nice, neat outer appearance design.

MATERIALS OF CONSTRUCTION

Item	Parts	Materials	Item	Parts	Materials
1	Body	UPVC, PP, CPVC, PVDF	8	Stem O'ring	EPDM,VITON
2	Ball	UPVC, PP, CPVC, PVDF	9	Body O'ring	EPDM,VITON
3	Sea Carrier	UPVC, PP, CPVC, PVDF	10	Seat Carrier O'ring	EPDM,VITON
4	Stem	UPVC, PP, CPVC, PVDF	11	Stem O'ring	EPDM,VITON
5	End Connector	UPVC, PP, CPVC, PVDF	12	Seat	TEFLON
6	Union Nut	UPVC, PP, CPVC, PVDF	13	Flanges	UPVC, PP, CPVC, PVDF
7	Handle	ABS			

DIMENSIONS TABLE

JIS																Unit:mm
Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
1/2"	14.3	70	95	22	PT1/2	15	4	22.23	117	117	153	77.5	15	80	54.5	15
3/4"	19.2	75	100	26	PT3/4	15	4	25.4	133	133	173	85.7	16	94	65.3	15
1"	25.8	90	125	32	PT1	19	4	28.58	147.5	147.5	194	97.7	17	105	73	15
1-1/4"	30	100	135	38	PT1-1/4	19	4	31.75	172.5	172.5	218	108	17	116	82.3	15
1-1/2"	38	105	140	48	PT1 1/2	19	4	34.93	189	189	235	118	17	142	98	15
2"	48	120	155	60	PT2	19	4	38.10	204.5	204.5	255	166	20	166	120	15
2-1/2"	65	140	175	76	PT2-1/2	19	4	44.45	230	230	277	190	20	140	150	10
3"	78	150	185	89	PT3	19	8	47.63	272	272	329	230	20	165	184	10
4"	85	175	210	114	PT4	19	8	57.15	326	326	384	274	23	172	227	10



DIMENSIONS TABLE

ANSI																Unit:inch
Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press lb/in ²
				Socket	Thread				Socket	Thread	Flange					
1/2"	0.563	2.375	3.500	0.840	NPT1/2	0.625	4	0.875	4.606	4.606	6.024	3.051	0.591	3.150	2.146	222
3/4"	0.756	2.750	3.875	1.050	NPT3/4	0.625	4	1.000	5.236	5.236	6.811	3.374	0.630	3.700	2.571	222
1"	1.016	3.125	4.250	1.315	NPT1	0.625	4	1.125	5.807	5.807	7.638	3.846	0.669	4.134	2.874	222
1-1/4"	1.181	3.500	4.625	1.496	NPT1-1/4	0.625	4	1.250	6.787	6.787	8.583	4.248	0.669	4.567	3.240	222
1-1/2"	1.496	3.875	5.000	1.900	NPT1-1/2	0.625	4	1.375	7.441	7.441	9.252	4.646	0.709	5.591	3.858	222
2"	1.886	4.750	6.000	2.375	NPT2	0.750	4	1.500	8.051	8.051	10.039	6.535	0.787	6.535	4.724	222
2-1/2"	2.560	5.500	7.000	2.875	NPT2-1/2	0.750	4	1.750	9.055	9.055	10.905	7.480	0.787	5.512	5.905	148
3"	3.070	6.000	7.500	3.500	NPT3	0.750	4	1.875	10.709	10.709	12.952	9.055	0.866	6.496	7.244	148
4"	3.350	7.500	9.000	4.500	NPT4	0.750	8	2.250	12.835	12.835	15.118	10.787	0.866	6.772	7.835	148

DIN																Unit:mm
Size	D1	D2	D3	d		e	n	P	L			A	T	H	B	Test Press kgf/cm ²
				Socket	Thread				Socket	Thread	Flange					
1/2"	14.3	65	95	20	R1/2	14	4	16.0	117	117	153	77.5	15	80	54.5	15
3/4"	19.2	75	105	25	R3/4	14	4	18.5	133	133	173	85.7	16	94	65.3	15
1"	25.8	85	115	32	R1	14	4	22.0	147.5	147.5	194	97.7	17	105	73	15
1-1/4"	30	100	140	40	R1-1/4	18	4	26.0	172.5	172.5	218	108	17	116	82.3	15
1-1/2"	38	110	150	50	R1-1/2	18	4	31.0	189	189	235	118	17	142	98	15
2"	48	120	165	63	RT2	18	4	37.5	204.5	204.5	255	166	20	166	120	15
2-1/2"	65	145	185	75	R2-1/2	18	4	43.5	230	230	277	190	20	140	150	10
3"	78	160	200	90	R3	18	8	51.0	272	272	329	230	20	165	184	10
4"	85	180	220	110	R4	18	8	61.0	326	326	384	274	23	172	227	10

* 本尺表以PVC材質為基準 本表試壓值以PVC、PVDF材質為基準 PP材質試壓值為本表試壓值之70%

The dimension table is calculably based on PVC material.
The value of test pressure is calculably based on PVC PVDF materials.
The value of test pressure for PP material is 70% based on this table.



TRUE UNION SAFETY BLOCK BALL VALVE WITH MOUNTING PADS



CH Series 安全球閥加埋銅座

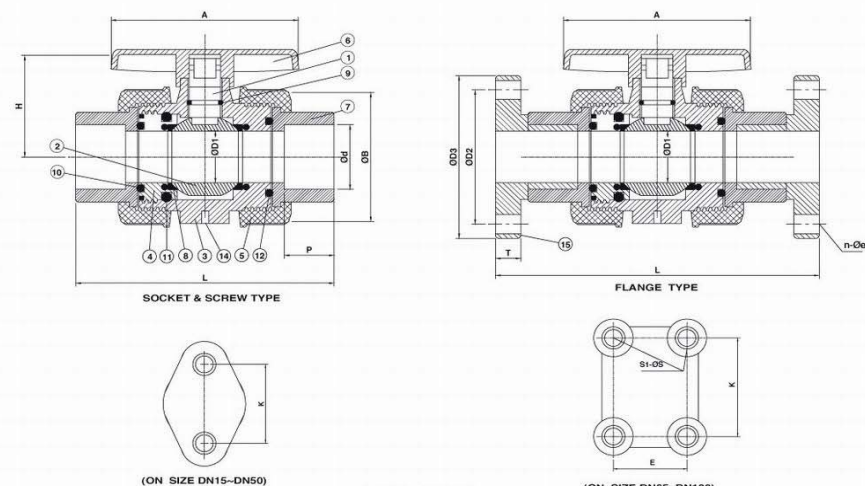
CH100 SOCKET/ CH200 THERAD/ CH300 FLANGED
Size:DN15-DN100

MATERIALS OF CONSTRUCTION

NO.	Parts	Pcs.	Materials	NO.	Parts	Pcs.	Materials
1	STEM	1	UPVC, PP, CPVC, PVDF	8	SEAT	2	TEFLON
2	BALL	1	UPVC, PP, CPVC, PVDF	9	STEM O'RING	15A-50A 1 65A-100A 2	EPDM, VITON
3	BODY	1	UPVC, PP, CPVC, PVDF	10	SEAT CARRIER O'RING	1	EPDM, VITON
4	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF	11	BODY O'RING	1	EPDM, VITON
5	UNION NUT	2	UPVC, PP, CPVC, PVDF	12	SOLID END O'RING	1	EPDM, VITON
6	HANDLE	1	ABS	14	MOUNTING PAD (UP & DOWN)	15A-50A 4 65A-100A 8	BRASS, SUS304
7	END CONNECTOR	2	UPVC, PP, CPVC, PVDF	15	FLANGES	2	UPVC, PP, CPVC, PVDF

DIMENSIONS TABLE

JIS																			Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	A	B	T	K	E	S	S1	Working press (kgf/cm²)
				Socket	Thread				Socket	Thread	Flange									
15(1/2")	15	70	95	22	PT1/2"	15	4	22.2	113	113	147	51	51	53.2	51	31	-	3/16"-24G	2	10
20(3/4")	19	75	100	26	PT3/4"	15	4	25.4	124	124	161	63	63	63	63	37	-	1/4"-20G	2	10
25(1")	25	90	125	32	PT 1"	19	4	28.6	142	142	187	72	72	72.2	72	40	-	1/4"-20G	2	10
32(1-1/4")	38	100	135	38	PT1-1/4"	19	4	31.8	178.3	178.3	225.3	78	78	97	78	55	-	5/16"-18G	2	10
40(1-1/2")	38	105	140	48	PT1-1/2"	19	4	34.9	178.3	178.3	225.3	78	78	97	78	55	-	5/16"-18G	2	10
50(2")	50	120	155	60	PT 2"	19	4	38.1	201.9	201.9	255.9	94.5	94.5	118.9	94.5	68	-	5/16"-18G	2	10
65(2-1/2")	65	140	175	76	PT2-1/2"	19	4	44.5	224	224	277	140	140	150.1	140	83.6	44.6	1/4"-20G	4	7
80(3")	78	150	185	89	PT 3"	19	8	47.6	276.1	276.1	333.1	165.1	165.1	183.9	165.1	83.6	44.6	1/4"-20G	4	7
100(4")	96	175	210	14	PT 4"	19	8	57.2	326	326	383	170.7	170.7	225.8	170.7	121	49	5/16"-18G	4	7



END VIEW

Boils inserted pad pattern

DIMENSIONS TABLE

ANSI																					Unit: inch
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	A	B	T	K	E	S	S1	Working press (kg/in ²)	
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	0.59	2.375	3.500	0.840	NPT1/2"	0.625	4	0.875	4.45	4.45	5.79	2.00	3.25	2.10	0.59	1.22	-	3/16"-24G	2	148	
20(3/4")	0.748	2.750	3.875	1.050	NPT3/4"	0.625	4	1.000	4.88	4.88	6.34	2.48	3.98	2.48	0.59	1.45	-	1/4"-20G	2	148	
25(1")	0.98	3.125	4.250	1.315	NPT 1"	0.625	4	1.125	5.59	5.59	7.36	2.83	4.40	2.84	0.63	1.57	-	1/4"-20G	2	148	
32(1-1/4")	38	3.500	4.625	1.660	NPT1-1/4"	0.625	4	1.125	7.02	7.02	8.87	3.07	4.78	3.82	0.63	2.16	-	5/16"-18G	2	148	
40(1-1/2")	38	3.875	5.000	1.900	NPT1-1/2"	0.625	4	1.375	7.02	7.02	8.87	3.07	4.78	3.82	0.63	2.16	-	5/16"-18G	2	148	
50(2")	50	4.750	6.000	2.375	NPT 2"	0.750	4	1.500	7.95	7.95	10.08	3.72	5.88	4.68	0.787	2.67	-	5/16"-18G	2	148	
65(2-1/2")	2.56	5.500	7.000	2.875	NPT2-1/2"	0.750	4	1.750	8.82	8.82	10.87	5.51	7.48	5.91	0.787	3.29	1.75	1/4"-20G	4	100	
80(3")	3.07	6.000	7.500	3.500	NPT 3"	0.750	4	1.875	10.87	10.87	12.93	6.50	9.06	7.24	0.866	3.29	1.75	1/4"-20G	4	100	
100(4")	3.35	7.500	9.000	4.500	NPT 4"	0.750	8	2.250	12.83	12.83	15.07	6.72	10.97	8.89	0.866	4.76	1.93	5/16"-18G	4	100	

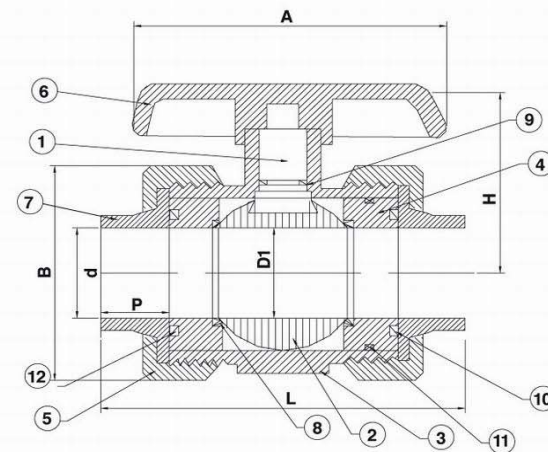
DIN																				Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	A	B	T	K	E	S	S1	Working press (kg/cm²)	
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	15	65	95	20	R1/2"	14	4	16.0	113	113	147	51	82.7	53.2	15	31	-	3/16"-24G	2	10	
20(3/4")	19	75	105	25	R3/4"	14	4	18.5	124	124	161	63	107.2	63	15	37	-	1/4"-20G	2	10	
25(1")	25	85	115	32	R 1"	14	4	22.0	142	142	187	72	111.8	72.2	16	40	-	1/4"-20G	2	10	
32(1-1/4")	38	100	140	40	R1-1/4"	18	4	26.0	178.3	178.3	225.3	78	121.4	97	16	55	-	5/16"-18G	2	10	
40(1-1/2")	38	110	150	50	R1-1/2"	18	4	31.0	178.3	178.3	225.3	78	121.4	97	16	55	-	5/16"-18G	2	10	
50(2")	50	120	165	63	R 2"	18	4	37.5	201.9	201.9	255.9	94.5	149.3	118.9	20	68	-	5/16"-18G	2	10	
65(2-1/2")	65	145	185	85	R2-1/2"	18	4	43.5	224	224	277	140	190	150.1	20	83.6	44.6	1/4"-20G	4	7	
80(3")	78	160	200	90	R 3"	18	4	51.0	276.1	276.1	333.1	165.1	230.1	183.9	22	83.6	44.6	1/4"-20G	4	7	
100(4")	85	180	220	114	R 4"	18	8	61.0	326	326	383	170.7	274	225.8	22	121	49	5/16"-18G	4	7	

* 本尺表以PVC材質為基準 本表試驗值以PVC、PVDF材質為基準 PP材質試驗值為本表試驗值之70%

The dimension table is calculably based on PVC material.
The value of test pressure is calculably based on PVC PVDF materials.
The value of test pressure for PP material is 70% based on this table.



TRUE UNION BALL VALVE (Butt Welding type)



DN15~DN100

CW Series 雙由任球閥(面對面焊接型)

CW100
Size:1/2"-4"

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Material
1	STEM	1	PP,PVDF
2	BALL	1	PP,PVDF
3	BODY	1	PP,PVDF
4	SEAT CAMET	1	PP,PVDF
5	UNION NUT	2	PP,PVDF
6	HANDLE	1	ABS
7	CONNECTOR	2	PP,PVDF
8	SEAT	2	PTFE
9	STEM O-RING	1....DN15-50 2....DN65-100	EPDM,VITON
10	SEAT CARRIER O-RING	1	EPDM,VITON
11	BODY O-RING	1	EPDM,VITON
12	SOLID END O-RING	1	EPDM,VITON

DIMENSIONS TABLE

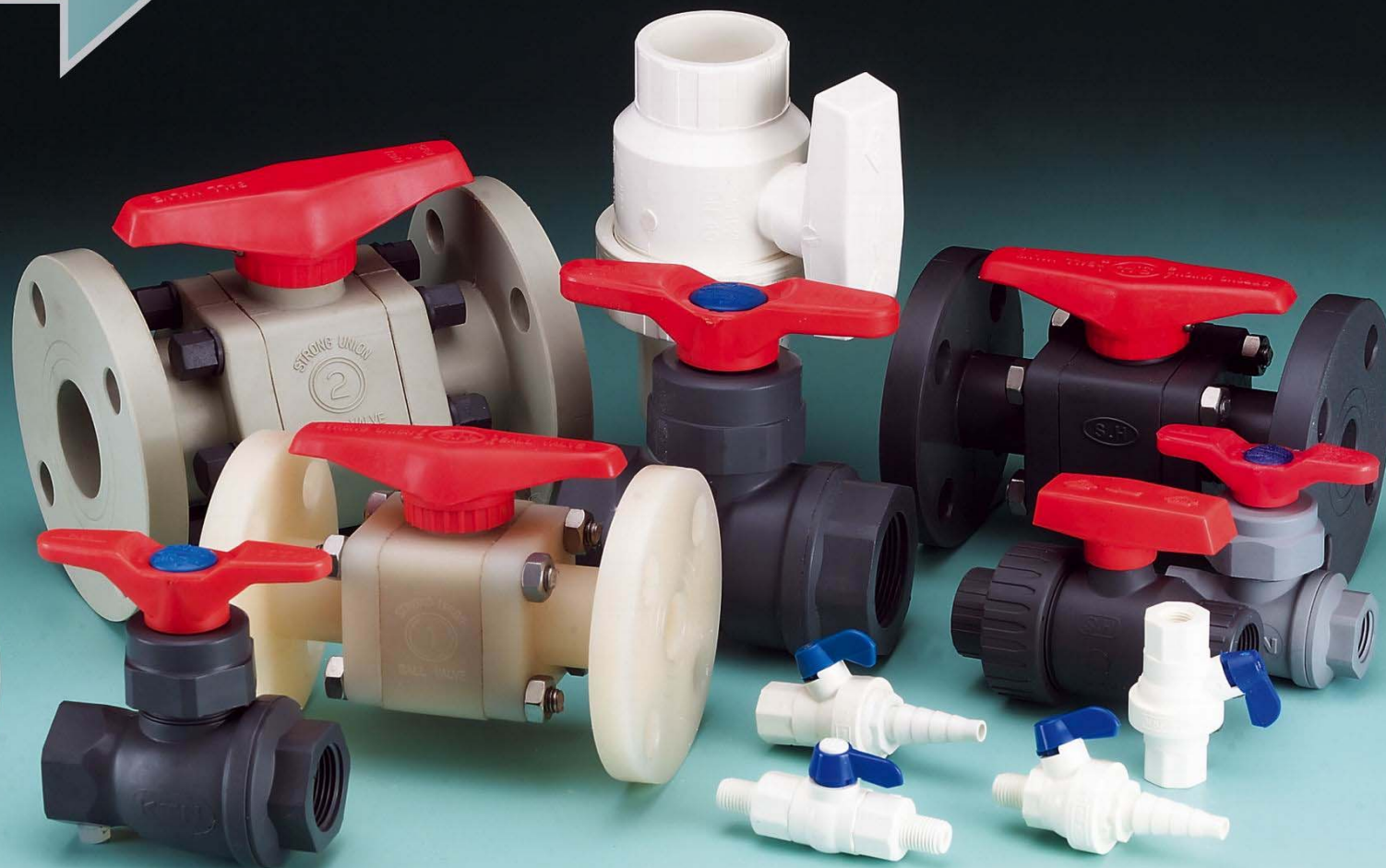
Nom Size DN-inch	DIN							Unit:mm	
	D1	d	P	L	A	H	B	Working Pressure	Test Pressure
								kgf/cm ²	
15(1/2")	14	15.00	16.0	163	82	47	47	6.7	10
20(3/4")	19	19.60	18.5	174	101	64	60	6.7	10
25(1")	25	27.00	22.0	178.5	111	67	68	6.7	10
32(1-1/4")	38	32.60	26.0	192	126	83	80	6.7	10
40(1-1/2")	38	10.80	31.0	198	126	83	92	6.7	10
50(2")	49	51.40	37.5	208	152	102	111	6.7	10
65(2-1/2")	67	61.20	43.5	212.5	190	140	148	4.7	7
80(3")	78	73.60	51.0	309	230	165	181	4.7	7
100(4")	101	90.00	61.0	338	274	172	222	4.7	7



Other Type Ball Valve

其他球閥 系列

- Material: UPVC, PP, CPVC, PPG, PVDF
- Size: 1/2"~6"
- 材質：UPVC, PP, CPVC, PPG, PVDF
- 尺寸：1/2"~6"



Hi -Tech'S, Hi-Qualitly'S



SINGLE UNION BALL VALVE



CS Series

單由任球閥

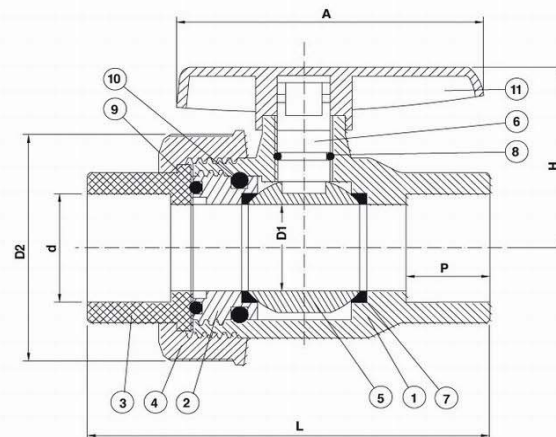
CS100 SOCKET / CS200 THREAD

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Body	1	UPVC, PP	7	Seat	2	PTFE
2	Seat Carrier	1	UPVC, PP	8	Stem O-ring	1	EPDM, VITON
3	End Connector	1	UPVC, PP	9	Seat Carrier O-ring	1	EPDM, VITON
4	Union Nut	1	UPVC, PP	10	Body O-ring	1	EPDM, VITON
5	Ball	1	UPVC, PP	11	Handle	1	ABS
6	Stem	1	UPVC, PP				

DIMENSIONS TABLE

JIS											Unit: mm
Nom DN	Size Inch	D1	d		D2	L		P	H	A	Test press (kgf/cm²)
			Socket	Thread		Socket	Thread				
15	1/2	15	22	PT1/2"	53	97	97	22.2	51	66	15
20	3/4	18	26	PT3/4"	64	111	111	25.4	65	75	15
25	1	25	32	PT 1"	73	122	122	28.6	71	85	15
32	1-1/4	39	38	PT1 1/4"	98	158	158	31.8	86	109	15
40	1-1/2	39	48	PT1 1/2"	98	158	158	34.9	86	109	15
50	2	48	60	PT 2"	117	173	173	38.1	104	134	15



DN15~DN50

DIMENSIONS TABLE

ANSI											Unit: inch
Nom DN	Size inch	D1	d		D2	L		P	H	A	Test press (lb/in ²)
			Socket	Thread		Socket	Thread				
15	1/2	15	0.840	NPT-1/2"	2.09	3.82	3.82	0.875	2.01	2.60	222
20	3/4	18	1.050	NPT-3/4"	2.52	4.37	4.37	1.000	2.56	2.95	222
25	1	25	1.315	NPT 1"	2.87	4.80	4.80	1.125	2.80	3.35	222
32	1 1/4	39	1.660	NPT-1 1/4"	3.86	6.22	6.22	1.250	3.39	4.29	222
40	1 1/2	39	1.900	NPT-1 1/2"	3.86	6.22	6.22	1.375	3.39	4.29	222
50	2	48	2.375	NPT 2"	4.61	6.81	6.81	1.500	4.09	5.29	222

DIN											Unit: mm
Nom DN	Size inch	D1	d		D2	L		P	H	A	Test press (kgf/cm²)
			Socket	Thread		Socket	Thread				
15	1/2	15	22	R1/2"	53	97	97	16	51	66	15
20	3/4	18	25	R3/4"	64	111	111	18.5	65	75	15
25	1	25	32	R 1"	73	122	122	22.0	71	85	15
32	1 1/4	39	40	R1-1/4"	98	158	158	26.0	86	109	15
40	1 1/2	39	50	R1-1/2"	98	158	158	31.0	86	109	15
50	2	48	63	R 2"	117	173	173	37.5	104	134	15

* 本表試壓以 P V C . P V D F 材質為基準 P P 材質試壓為本表試壓值之70%

The dimension table is calculably based on PVC material.
The value of test pressure is calculably based on PVC PVDF materials.
The value of test pressure for PP material is 70% based on this table.



SINGLE UNION BALL VALVE(Simple Type)

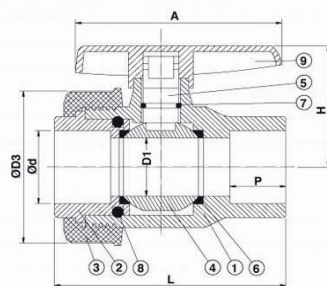


CP Series 單由任球閥 (簡單型)

CP100 SOCKET
CP200 THREAD

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Body	1	UPVC	6	Seat	2	PTFE
2	Seat Connector	1	UPVC	7	Seat Carrier O-ring	1	EPDM
3	Union Nut	1	UPVC	8	Body O-ring	1	EPDM
4	Ball	1	UPVC	9	Handle	1	ABS
5	Stem	1	UPVC				



DIMENSIONS TABLE

JIS											Unit: mm
Nominal Pipe Size	Called Name	D1	d		D2	L		P	H	A	Test press (kgf/cm ²)
			Socket	Thread		Socket	Thread				
40 (1-1/2")		41	48	PT 1-1/2"	94	127	127	34.9	84	109	15
50 (2")		50	60	PT 2"	133	133	133	38.1	101	134	15

ANSI											Unit: inch
Nominal Pipe Size	Called Name	D1	d		D2	L		P	H	A	Test press (kgf/cm ²)
			Socket	Thread		Socket	Thread				
40 (1-1/2")		1.614	1.900	NPT 1 1/2"	40	5	5	1.375	3.307	4.291	222
50 (2")		1.969	2.375	NPT 2"	4.449	5.255	5.255	1.500	3.976	5.295	222

DIN											Unit: mm
Nominal Pipe Size	Called Name	D1	d		D2	L		P	H	A	Test press (kgf/cm ²)
			Socket	Thread		Socket	Thread				
40 (1-1/2")		41	50	R1-1/2"	94	127	127	31	84	109	15
50 (2")		50	63	R2"	113	133	133	37.5	101	134	15



BOLT UNION BALL VALVE

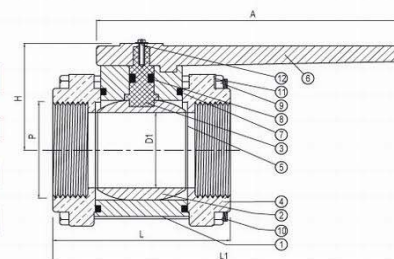


CI Series 理想型球閥

THREAD CI200

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Body	1	PPG	7	O-Ring	2	EPDM, VITON
2	Ball	1	PP, PPG	8	O-Ring	1	EPDM, VITON
3	Shaft	1	PPG	9	Bolt	1/2"-1 1/2" x 4	Zinc Plated Steel
4	End Cap	2	PPG	10	Washer	2"-3" x 6	Stainless Steel
5	Seat	2	TEFLON	11	Nut	4" x 8	Stainless Steel
6	Handle	1	PPG	12	Bolt	1	Zinc Plated Steel

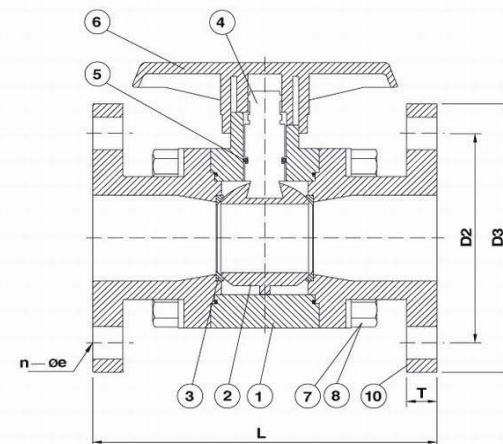
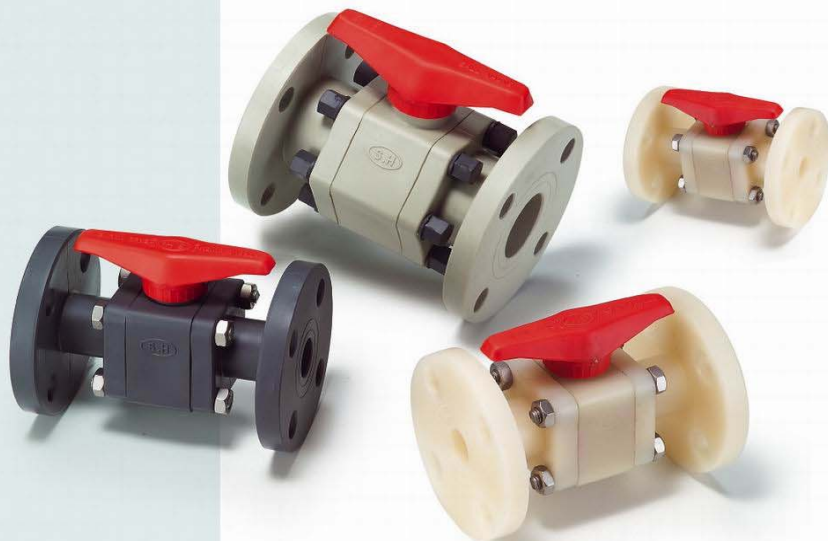


DIMENSIONS TABLE

Unit: mm													
Nominal Pipe Size	Called Name	D1	A	L	L1	P			L	H	Test Press		Working press (kgf/cm²)
						JIS	ANSI	DIN			(kgf/cm²)	(lb/in²)	
1/2"-3/4"		19	92	84	119	PT 1/2"	NPT 1/2"	R 1/2"	21	54	15	222	10
3/4"-3/4"		19	92	84	119	PT 3/4"	NPT 3/4"	R 3/4"	21	54	15	222	10
1"-3/4"		19	92	84	119	PT 1"	NPT 1"	R 1"	21	54	15	222	10
1"-1"		25	132	99	167	PT 1"	NPT 1"	R 1"	22	63	15	222	10
1 1/4" - 1		25	132	99	167	PT 1 1/4"	NPT 1 1/4"	R 1 1/4"	22	63	15	222	10
1 1/4" - 1 1/2"		39	181	113	208	PT 1 1/4"	NPT 1 1/4"	R 1 1/4"	26	70	15	222	10
1 1/2" - 1 1/2"		39	181	113	208	PT 1 1/2"	NPT 1 1/2"	R 1 1/2"	26	70	15	222	10
2" - 1 1/2"		39	181	113	208	PT 2"	NPT 2"	R 2"	26	70	15	222	10
2" - 2"		51	274	140	306	PT 2"	NPT 2"	R 2"	31	87	15	222	10
2 1/2" - 2 1/2"		48	153	149	205	PT 2 1/2"	NPT 2 1/2"	R 2 1/2"	28	106	15	222	10
3" - 3"		68	186	183	248	PT 3"	NPT 3"	R 3"	35	127	10	148	7
4" - 4"		85	276	244	244	PT 4"	NPT 4"	R 4"	50	170	10	148	7



STRONG UNION BALL VALVE



DN15~DN150

SPECIFICATIONS:

1. Test Press: ① (15mm-1/2"-65mm-2 1/2") : 15kgf/cm² (222 lb/in²)
 ② (80mm-3"-100mm-4") : 10kgf/cm² (148 lb/in²)
 ③ (125mm-5"-150mm-6") : 7kgf/cm² (105 lb/in²)
2. Working Press: ① (15mm-1/2"-65mm-2 1/2") : 10kgf/cm² (148 lb/in²)
 ② (80mm-3"-100mm-4") : 7kgf/cm² (105 lb/in²)
 ③ (125mm-5"-150mm-6") : 5kgf/cm² (75 lb/in²)

DIMENSIONS TABLE

Standards Nom. size DN-Inch	JIS Unit:mm							ANSI Unit:mm							DIN Unit:mm						
	D3	D2	D1	L	n	oe	T	D3	D2	D1	L	n	oe	T	D3	D2	D1	L	n	oe	T
				Flange d							Flange d							Flange d			
15-1/2"	95	95	70	90	142	4	14	14	3.50	2.38	3.54	5.59	4	0.55	0.47	95	65	142	4	14	14
20-3/4"	100	100	75	101	148	4	15	15	3.88	2.76	3.97	5.82	4	0.59	0.55	105	105	150	4	14	15
25-1"	125	125	90	112	167	4	17	17	4.25	3.13	4.32	6.77	4	0.67	0.55	115	115	172	4	14	17
32-1-1/4"	135	135	100	112	176	4	18	18	4.62	3.50	4.32	7.00	4	0.71	0.63	140	140	178	4	18	18
40-1-1/2"	140	140	105	124	180	4	18	18	5.00	3.88	4.88	7.16	4	0.71	0.63	150	150	182	4	18	18
50-2"	155	155	120	139	190	4	18	18	6.00	4.74	5.48	7.48	4	0.71	0.63	165	165	190	4	18	18
65-2-1/2"	175	175	140	152	217	4	19	19	7.00	5.49	6.00	8.34	4	0.75	0.71	185	180	212	4	18	19
80-3"	185	185	150	190	245	8	19	19	7.50	6.00	7.48	9.64	8	0.75	0.71	200	200	245	8	18	19
100-4"	210	210	175	246	295	8	19	21	9.00	7.50	9.70	11.22	8	0.78	0.83	220	220	285	8	18	21
125-5"	250	250	210	396	390	8	23	20	10.00	8.50	11.59	15.35	8	0.87	0.78	250	250	396	8	18	20
150-6"	280	280	240	396	390	8	23	23	11.00	9.50	11.59	15.35	8	0.87	0.91	280	280	396	8	23	23

※ 本尺表以PVC材質為基準 本表試壓值以PVC、PVDF材質為基準 PP材質試壓值為本表試壓值之70%

The dimension table is calculably based on PVC material.
 ※ The value of test pressure is calculably based on PVC PVDF materials.
 The value of test pressure for PP material is 70% based on this table.

CG Series

強力型球閥

SOCKET CG100 / THREAD CG200 / FLANGED CG300
 Size: DN15-DN150

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	Body	1	PVC, PP, PPG, PVDF	6	Handle	1	15A-100A ABS 150A FC25
2	Ball	1	PVC, PP, PPG, PVDF	7	Bolt	15A-25A 4 40A-80A 6 100A 8 150A 10	Steel SUS-304
3	Seat	2	TEFLON	8	Nut		PVC COATED BRASS, 100-150 SUS304
4	Shaft	1	PVC, PP, PPG, PVDF	9	End Cap	2	PVC, PP, PPG, PVDF
5	O-Ring	15A-40A 1 50A-150A 2	EPDM, VITON	10	Flange	2	PVC, PP, PPG, PVDF



NATURE BALL VALVE



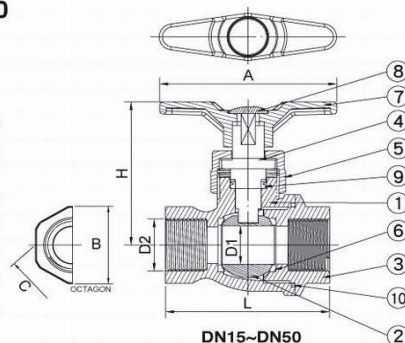
CN Series

自強型球閥

THREAD CN200
Size: DN15~DN50

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	Body	1	UPVC	6	Seat	1	TEFLON
2	Ball	1	UPVC	7	Handle	1	ABS
3	End Connector	1	UPVC	8	Cap	1	PP
4	Stem	1	EPDM	9	Stem O-ring	1	EPDM
5	Gland Nut	1	UPVC	10	Body O-ring	1	EPDM



DIMENSIONS TABLE

DIMENSIONS										Unit: mm
Nom. Size. DN-inch	D1	D2			L	H	A	B	C	Working press (kgf/cm ²)
		JIS	ANSI	DIN						
15-1/2	13	PT1/2	NPT1/2	R1/2	80	77	88	35	32	10
20-3/4	19	PT3/4	NPT3/4	R3/4	89	80	88	45	41	10
25-1	25	PT1	NPT1	R 1	104	93	109	50	46	10
32-1 1/4	25	PT1 1/4	NPT1 1/4	R1 1/4	117	93	109	60	55	10
40-1 1/2	32	PT1 1/2	NPT1 1/2	R1 1/2	129	115	133	73	69	10
50-2	39	PT2	NPT2	R 2	149	120	133	83	79	10



LABCOCK BALL VALVE



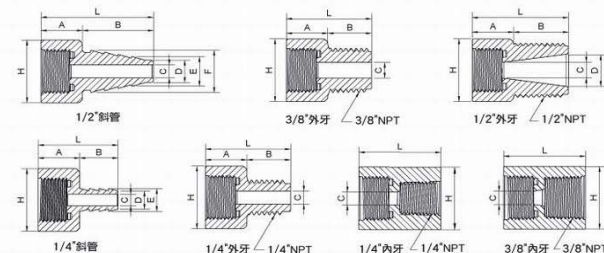
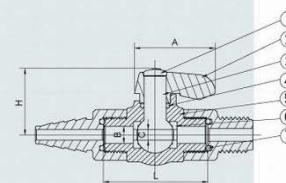
CL Series

實驗式球閥

Size: 1/4"- 3/8", Color: Grey or White

Other Available Combinations Choice:

- 1/4" Female x 1/4" Hose
- 1/4" Male x 1/4" Male
- 1/4" Female x 3/8" Hose
- 1/4" Male x 1/4" Hose
- 3/8" Female x 1/4" Hose
- 1/4" Male x 3/8" Hose
- 3/8" Male x 1/4" Hose
- 3/8" Female x 3/8" Hose
- 3/8" Male x 3/8" Hose



MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials
1	Cap	1	UPVC
2	Handle	1	ABS
3	Ball	1	UPVC
4	O-ring	1	EPDM
5	Body	1	UPVC
6	Seat	1	EPDM
7	Seat Carrier O-ring	1	EPDM

DIMENSIONS TABLE

DIMENSIONS										Unit: mm
Nom. Size. DN-inch	L	H	A	B	C	D	E	F	Working press (kgf/cm ²)	
組合圖	37.68	25.04	29.04	6.4	4.0				10	
1/2" HOSE	41.2	24	15.2	26	5	8.5	11.35	11.65	10	
3/8" MPT	31.2	24	15.2	16	6				10	
1/2" MPT	35.24	24	15.2	20.04	5.95	12.1			10	
1/4" FPT	29.19	24	15.2	26	4.5	6.95	8.65		10	
1/4" MPT	31.2	24	15.2	16	5				10	
1/4" FPT	30	24			5				10	
3/8" FPT	30	24			5.11				10	



Plumbing Valve

Plumbing閥種 系列

- Material: UPVC, PP, CPVC, PVDF
- Size: 1/2"~6"
- 材質 : UPVC, PP, CPVC, PVDF
- 尺寸 : 1/2"~6"

Hi -Tech'S, Hi-Qualitly'S





COMPACT BALL VALVE



CCSeries

緊密型球閥

CC100 SOCKET/ CC200 THREAD
Size:DN8~DN125

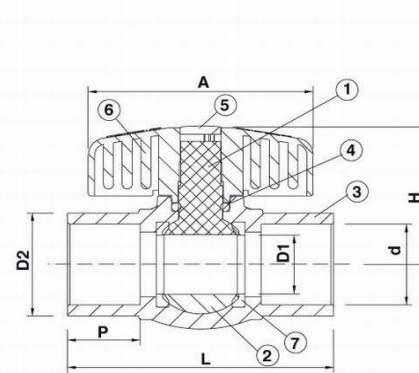
Compact Ball Valves Torque Value

SIZE	Torque Value(kgf/cm)							
	EPDM-SEAT				PTFE-SEAT			
	OPEN	CLOSE	OPEN	CLOSE	OPEN	CLOSE	OPEN	CLOSE
1/2"	12-22	12-22	10-20	20-30				
3/4"	20-30	30-40	20-30	25-35				
1"	26-36	43-53	30-40	30-40				
1-1/4"	44-59	44-59	50-65	70-85				
1-1/2"	50-65	60-75	47-62	60-75				
2"	50-70	100-120	60-80	120-140				
2-1/2"	80-100	70-90	-	-				
3"	140-160	130-150	-	-				
4"	160-180	150-170	-	-				

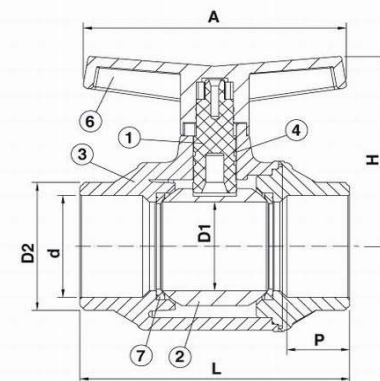
1kgf/cm = 0.098 N.m

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials	Item	Parts	Pcs	Materials
1	Stem	1	UPVC, CPVC	5	Cap	2	ABS
2	Ball	1	UPVC, CPVC	6	Handle	1	ABS
3	Body	1	UPVC, CPVC	7	Seat	2	EPDM, PTFE
4	Stem O'ring	1	EPDM				



DN15~DN50



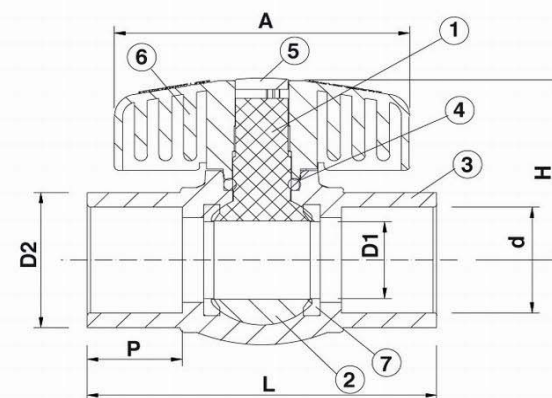
DN65~DN150

DIMENSIONS TABLE

Standards	JIS								Unit:mm		ANSI								Unit:inch		DIN								Unit:mm											
	Nom.Size DN-inch							Test Press. (kgf/cm)	D1	d				P	L	D2	H	A	Test Press. (lb/in ²)	D1	d				P	L	D2	H	A	Test Press. (kgf/cm)										
		Socket	Thread	P	L	D2	H			A	Test Press. (lb/in ²)	Socket	Thread								P	L	D2	H							A	Test Press. (lb/in ²)	Socket	Thread	P	L	D2	H	A	Test Press. (kgf/cm)
15-1/2"	15	22	PT1/2	22.2	79	29	47	70	15	0.591	0.840	NPT1/2	0.875	3.110	1.141	1.850	2.756	222	15	20	R1/2	16.0	79	29	47	70	15													
20-3/4"	20	26	PT3/4	25.4	90.5	36.5	57	77	15	0.787	1.050	NPT3/4	1.000	3.562	1.427	2.244	3.031	222	20	25	R3/4	18.5	90.5	36.5	57	77	15													
25-1"	25	32	PT1	28.6	106.5	43	61	89	15	0.984	1.315	NPT1	1.125	4.173	1.627	2.402	3.504	222	25	32	R1	22.0	106.5	43	61	89	15													
32-1-1/4"	32	38	PT1-1/4	31.8	123	53	66	89	15	1.260	1.660	NPT1-1/4	1.250	4.842	2.086	2.598	3.504	222	32	40	R1-1/4	26.0	123	53	66	89	15													
40-1-1/2"	39	48	PR1-1/2	34.9	129	61	74	111	15	1.535	1.900	NPT1-1/2	1.375	5.098	2.401	2.913	4.370	222	39	50	R1-1/2	31.0	129	61	74	111	15													
50-2"	50	60	PT2	38.1	150.5	73	80	139	15	1.969	2.375	NPT2	1.500	5.925	2.874	3.150	5.472	222	50	63	R2	37.5	150.5	73	80	139	15													
65-2-1/2"	65	76	PT2-1/2	44.5	182	93.5	129	172	15	2.559	2.875	NPT2-1/2	1.750	7.165	3.681	5.078	6.772	222	65	75	R2-1/2	43.5	182	93.5	129	172	15													
80-3"	75	89	PT3	47.6	187	112	130	172	10	2.952	3.500	NPT3	1.875	7.362	4.409	5.118	6.772	148	75	90	R3	51.0	187	112	130	172	10													
*65-2-1/2"	50	76	PT2-1/2	44.5	194	92	107	162	10	1.969	2.875	NPT2-1/2	1.750	7.638	3.622	4.213	6.378	148	50	75	R2-1/2	43.5	194	92	107	162	10													
*80-3"	65	89	PT3	47.6	233	112	140	190	10	2.559	3.500	NPT3	1.875	9.173	4.409	5.512	7.480	148	65	90	R3	51.0	233	112	140	190	10													
*100-4"	78	114	PT4	57.6	244	133	167	230	10	3.071	4.500	NPT4	2.250	9.606	5.236	6.575	9.055	148	78	110	R4	61.0	244	133	167	230	10													
*125-5"	99	140	PT5	60.6	264	159	174	235	7	3.897	5.583	NPT5	3.000	10.393	6.260	6.870	9.215	100	99	125	R5	70	264	159	174	235	7													
*150-6"	130	166	PT6	90	376	195.6	182	323	7	5.118	6.647	NPT6	3.541	14.794	7.696	7.161	12.72	100	130	160.2	R6	90	376	195.6	182	323	7													



PP COMPACT BALL VALVE



DN10~DN40

CE Series PP 緊密型球閥

Size: 3/8"-1 1/2" (DN10-DN40)
CE100 Socket, CE200 Thread

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	STEM	1	PP	5	CAP	1	ABS
2	BALL	1	PP	6	HANDLE	1	ABS
3	BODY	1	PP	7	SEAT	2	PTFE
4	STEM O' ring	1	EPDM				

DIMENSIONS TABLE

Standards Nom. size DN-inch	JIS										ANSI										DIN									
	Unit: mm										Unit: inch										Unit: mm									
	D1	d		P	L	D2	H	A	Test Press Kg/cm	D1	d		P	L	D2	H	A	Test Press Kg/cm	D1	d		P	L	D2	H	A	Test Press Kg/cm			
		Socket	Thread								Socket	Thread								Socket	Thread									
10-3/8"	9	18	PT3/8	19.1	58	25	37	41	10	0.354	0.760	NP3/8	0.750	2.283	0.984	1.457	1.614	148	9	16	R3/8	14.0	58	25	37	41	10	0.354		
15-1/2"	15	22	PT1/2	22.2	79	35	47	70	15	0.5591	0.840	NP1/2	0.875	3.110	1.378	1.850	2.756	222	15	20	R1/2	16.0	79	35	47	70	15	0.5591		
20-3/4"	20	26	PT3/4	25.4	90	40	57	77	15	0.787	1.050	NP3/4	1.000	3.543	1.575	2.244	3.031	222	20	25	R3/4	18.5	90	40	57	77	15	0.787		
25-1"	25	32	PT1	28.6	105	48	61	89	15	0.984	1.315	NP1	1.125	4.134	1.890	2.402	3.504	222	25	32	R1	22.0	105	48	61	89	15	0.984		
32-1-1/4"	32	38	TP1 1/4	31.8	121	54	66	89	15	1.260	1.660	NP1 1/4	1.250	4.764	2.126	2.598	3.504	222	32	40	R1-1/4	26.0	121	54	66	89	15	1.260		
40-1-1/2"	39	48	PT1 1/2	34.9	127	62	74	111	15	1.535	1.990	NP1 1/2	1.375	5.000	2.441	2.913	0.984	222	39	50	R1-1/2	31.0	127	62	74	111	15	1.535		



CPVC-CTS COMPACT BALL VALVE

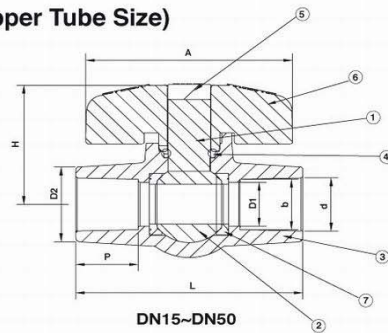


CTS Series 緊密型球閥 (熱水銅管用)

CTS100 SOCKET
Size: 1/2" - 2" (Copper Tube Size)

MATERIALS OF CONSTRUCTION

Item	Parts	Pcs	Materials
1	Stem	1	CPVC
2	Ball	1	CPVC
3	Body	1	CPVC
4	Stem O'ring	2	EPDM
5	Cap	2	ABS
6	Handle	1	ABS
7	Seat	2	PTFE



DN15~DN50

DIMENSIONS TABLE

Standards Nom. Size DN-Inch	DIMENSIONS								Unit: inch
	A	H	L	d	b	P	D1	D2	
15(1/2")	2.350	1.327	2.701	0.633	0.619	0.709	0.476	0.887	
20(3/4")	2.744	1.791	3.120	0.884	0.780	0.898	0.712	1.205	
25(1")	3.004	2.185	3.551	1.135	1.121	1.014	0.768	1.5	
32(1 1/4")	3.524	2.402	4.024	1.386	1.372	1.1	0.949	1.732	
40(1 1/2")	3.524	2.539	4.598	1.640	1.622	1.3	1.240	2.118	
50(2")	4.378	2.894	5.110	2.141	2.123	1.7	1.496	2.559	



MALE THREADED COMPACT BALL VALVE

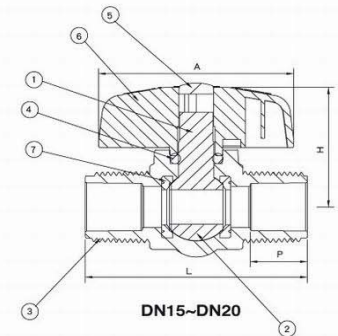


CM Series 雙外牙緊密型球閥

CM200
Size: 3/8", 1/2"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	STEM	1	UPVC	5	CAP	1	ABS
2	BALL	1	UPVC	6	HANDLE	1	ABS
3	BODY	1	UPVC	7	SEAT	2	EPDM, PTFE
4	STEM O'ring	1	EPDM				



DN15~DN20

DIMENSIONS TABLE

Standards Nom. size DN-Inch	JIS						ANSI						DIN					
	Unit: mm						Unit: inch						Unit: mm					
	d	P	L	H	A	Test Press Kg/cm	d	P	L	H	A	Test Press Kg/cm	d	P	L	H	A	Test Press Kg/cm
15-1/2"	PT1/2	-	-	47	70	15	NP1/2	0.875	3.110	1.850	2.756	222	R1/2	16.0	79	47	70	15
20-3/4"	PT3/4	-	-	57	77	15	NP3/4	1.000	3.543	2.244	3.031	222	R3/4	18.5	90	57	77	15



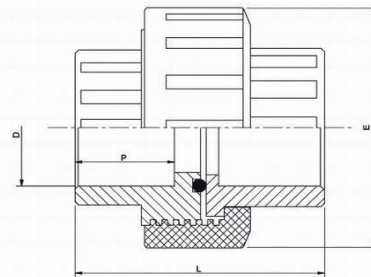
UNION



EU Series 油任接頭

EU 100: SOCKET / EU 200: THREAD
Size: 1/2" to 4"

No.	零件	材質	數量
1	BODY	PVC, PP, CPVC, PVDF	1
2	UNION NUT	PVC, PP, CPVC, PVDF	1
3	END ONNRCATOR	PVC, PP, CPVC, PVDF	1
4	O'RING	EPDM,VITON	1



DN15~DN100

Nom.Size m/m(inch)	E	D			L		P		
		JIS	ANSI	DIN	S	TS	JIS	ANSI	DIN
15(1/2")	47	22	21.3	20	55	57	22.22	22.22	16.0
20(3/4")	61	26	26.7	25	68	67	25.40	25.40	18.5
25(1")	67	32	33.4	32	75	77	28.60	28.60	22.0
32(1-1/4")	89	38	42.2	40	92	92	31.70	31.70	26.0
40(1-1/2")	89	48	48.3	50	92	92	34.90	34.90	31.0
50(2")	101	60	60.3	63	102	102	38.10	38.10	37.5
65(2-1/2")	150	76	73.0	75	87	115	44.50	44.50	43.5
80(3")	195	89	88.9	90	118	159	47.60	47.60	51.0
100(4")	199	114	114.3	110	156	156	57.20	57.20	61.0

S:Screwed TS:Socket



COMPRESSION COUPLING

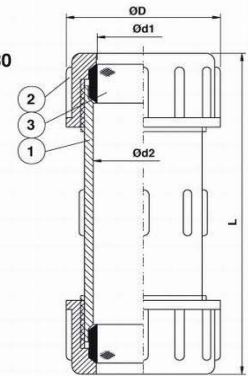


EC Series 快速接頭

EC100
Size: 1/2" to 4" (IPS)

Specification: Schedule 40 & Schedule 80

- For use in any general piping applications, metal, plastic or copper pipe.
- Easy to operate for instant and emergency piping.



DN15~DN100

MATERIALS OF CONSTRUCTION

NO.	PART	MATERIAL	Q'TY
1	BODY	UPVC	1
2	UNION NUT	UPVC	2
2	SEAL	NBR · EPDM	2

DIMENSIONS TABLE

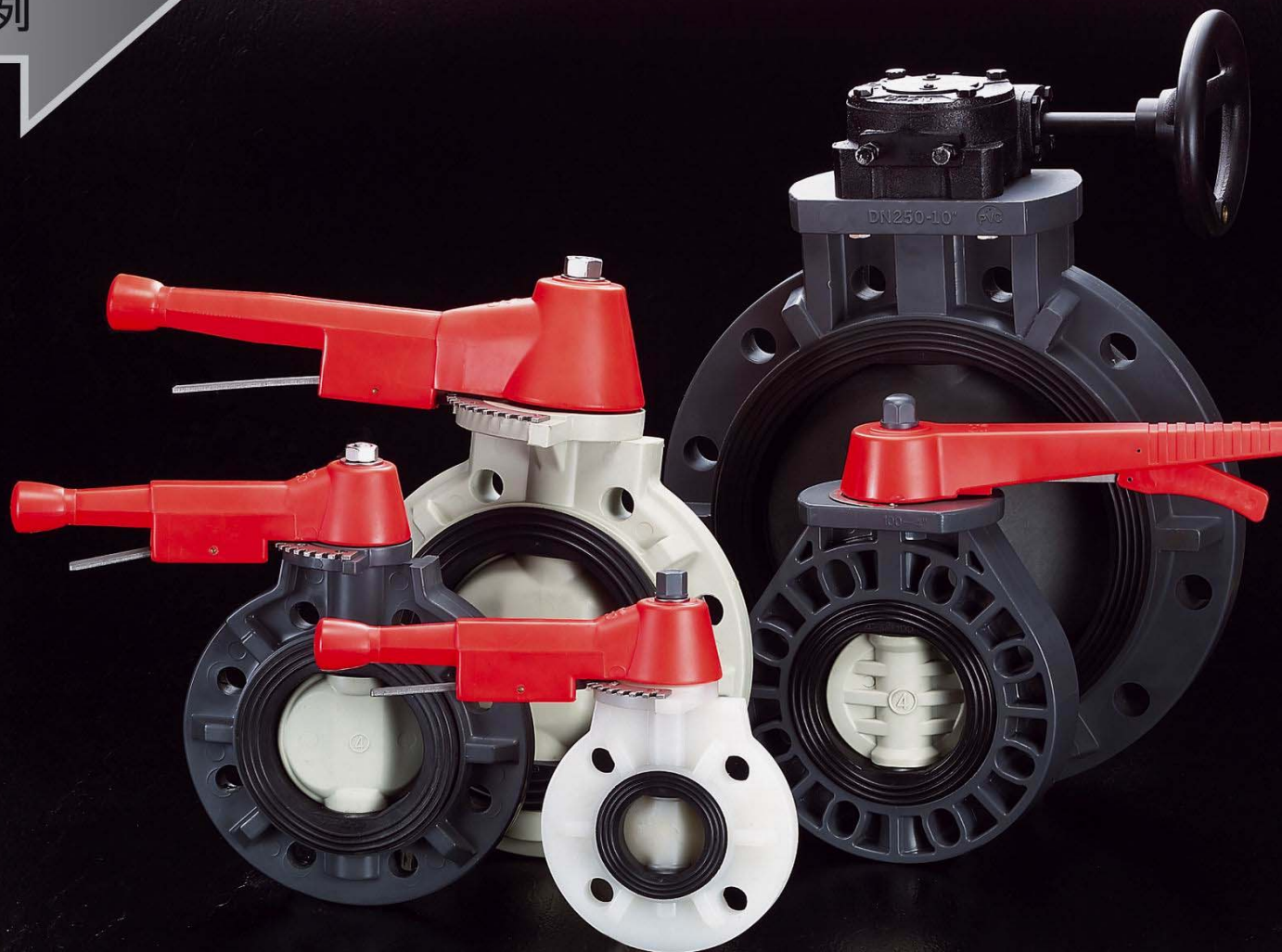
SIZE		15mm (1/2")	20mm (3/4")	25mm (1")	32mm (1-1/4")	40mm (1-1/2")	50mm (2")	65mm (2-1/2")	80mm (3")	100mm (4")
Nom.	D	43.6	49	57	66.9	73.2	88.6	115	130	160.5
	JIS	21.8	25.8	31.8	37.8	47.8	59.8	75.8	88.8	113.8
d	ANSI	21.0	26.47	33.2	42.0	48.0	60.1	72.8	88.7	114.1
	DIN	20.1	25.2	32.2	40.2	50.2	63.2	75.2	90.2	110.2
BS	D1	20.1	26.4	33.2	41.8	47.9	60.0	75.0	88.5	113.9
	L	22.3	27.3	34.3	43	49.2	63.8	76.5	91.2	116
L		121	128	133	151	168	175	252	277	310



Butterfly Valve

蝶閥 系列

- Material: UPVC, PP, CPVC, PPG, PVDF
- Size: 2"~24"
- 材質：UPVC, PP, CPVC, PPG, PVDF
- 尺寸：2"~24"



Hi -Tech'S, Hi-Qualitly'S



SUPER LARGE SIZED BUTTERFLY VALVE



BS Series

耐酸、耐鹼多用途超大型旋轉凡而

BS300

Size: 28" - 60"

MATERIAL: FCD45, SS41, SUS304, SUS316, FC25+FRP, SS41+FRP

MODEL: Lever handle type (手輪式), Chaining type (鏈條式)

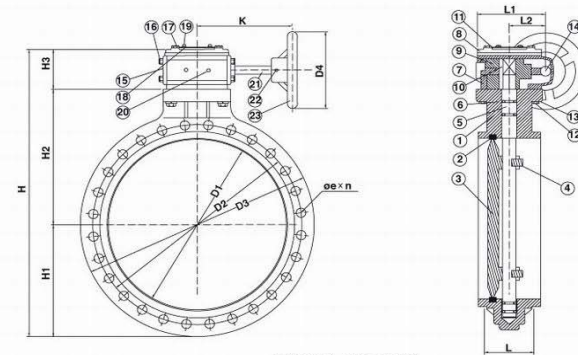
Hydraulic type (油壓式) Pneumatic type (氣壓式)

FEATURES:

- Fullport allowing max. fluid flow. 全口徑、流量足
- ECONOMIC EQUIPMENT: Fluid control plate coned in piping system, space saved, 設備經濟、控制流量的活版、隱藏於管路中、佔管路配置極小的空間。
- EASY OPERATION-90° open and close, long duration, 操作簡便, 90° 開關使用壽命長。
- WIDE APPLICATION RANGE-Acid & alkali resistance, anti-corrosion, and suitable for fluid and air use. 用途極廣, 可耐強酸、強鹼並適用於液體及氣體。

MATERIALS OF CONSTRUCTION

No.	Parts	Materials	No.	Parts	Materials	No.	Parts	Materials
1	Boby	FCD45, SS41, SUS340, SUS316, FC25+FRP, SS41+FRP	9	Gear	FCD45(ASTM65-45-12)	17	Tightening Bolt For Box Cap	SS40, SUS304
2	seat	EPDM, CSM, VITON	10	Machine-Key	SS41	18	Indicator Plate	ALUMINUM
3	Disc	FCD45, SS41, SUS304, FC25+FRP, SS41+FRP	11	Oil Deal	EPDM, NBR	19	Tightening Bolt & Washer For Indicator Plate	SS41, SUS304
4	Bolt	SUS304, SUS316	12	Tightening Bolt For Gear Box	SCM3, SUS304	20	Adjustable Bolt	SS41, SUS304
5	Stem	SUS410, SUS316	13	WASHER	SS41, SUS304	21	Gearing	SS41, SUS304
6	Stem Seal	EPDM, VITON	14	Bearing	SMCM 200/420/810	22	Set Pin	SUS304
7	Gear Box	FC25	15	Front Side Cap	FC25	23	Hand Wheel	FC25
8	Box-Cap	FC25	16	Tightening Bolt For front Side Cap	SS41, SUS304			



DN700~DN1500

DIMENSIONS TABLE

JIS 5K													Unit:mm		
Nom. Size DN(inch)	D1	D2	D3	n	øe	H1	H2	H3	I	K	D4		Air	Water	
700(28)	680	820	867	24	27	532	590	120	1242	306	460	105	192		
800(32)	780	930	985	24	33	587	620	120	1327	306	460	105	217		
850(34)	820	980	1037	24	33	610	645	120	1375	306	460	120	217		
900(36)	870	1030	1087	24	33	662	705	120	1487	306	460	120	217		
1000(40)	970	1130	1187	28	33	722	750	120	1592	306	460	120	266		
1200(48)	1190	1350	1413	32	33	872	880	120	1872	306	460	120	316		
1350(54)	1330	1505	1568	32	33	970	1045	133	2148	337	460	150	341		
1500(60)	1480	1660	1723	36	33	1070	1145	133	2348	337	460	150	341		

JIS 10K													Unit:mm		
Nom. Size DN(inch)	D1	D2	D3	n	øe	H1	H2	H3	I	K	D4		Air	Water	
700(28)	680	840	895	24	33	532	590	120	1242	306	460	105	192		
800(32)	780	950	1007	28	33	587	620	120	1327	306	460	105	217		
850(34)	820	1000	1057	28	33	610	645	120	1375	306	460	120	217		
900(36)	870	1050	1190	28	33	662	705	120	1487	306	460	120	217		
1000(40)	970	1160	1225	28	39	722	750	120	1592	306	460	120	266		
1200(48)	1190	1380	1449	32	39	872	880	120	1872	306	460	120	316		
1350(54)	1330	1540	1615	36	45	970	1045	133	2148	337	460	150	341		
1500(60)	1480	1700	1775	40	45	1070	1145	133	2348	337	460	150	341		

ANSI													Unit:inch		
Nom. Size DN(inch)	D1	D2	D3	n	øe	H1	H2	H3	I	K	D4		Air	Water	
700(28)	26.77	34.00	36.24	28	1.37	20.95	23.23	4.72	48.90	12.04	18.11	4.13	7.55		
800(32)	30.71	38.50	41.06	28	1.62	23.11	24.41	4.72	52.24	12.04	18.11	4.13	8.54		
850(34)	32.28	40.50	43.06	32	1.62	24.02	25.39	4.72	54.14	12.04	18.11	4.72	8.54		
900(36)	34.25	42.75	45.39	32	1.62	25.06	27.76	4.72	58.55	12.04	18.11	4.72	8.54		
1000(40)	38.19	48.23				38.43	29.53	4.72	62.68	12.04	18.11	4.72	10.74		
1200(48)	46.85		57.05			34.33	34.65	4.72	73.70	12.04	18.11	4.72	13.44		
1350(54)	52.36		63.58			38.19	41.14	5.24	84.57	13.26	18.11	5.90	13.42		
1500(60)	58.27		69.88			42.13	45.08	5.24	92.45	13.26	18.11	5.90	13.42		

DIN													Unit:mm		
Nom. Size DN(inch)	D1	D2	D3	n	øe	H1	H2	H3	I	K	D4		Air	Water	
700(28)	680	840	892	24	30	532	590	120	1242	306	460	105	192		
800(32)	780	950	1007	24	33	587	620	120	1327	306	460	105	217		
850(34)	820		1057			610	645	120	1375	306	460	120	217		
900(36)	870	1050	1109	28	33	662	705	120	1487	306	460	120	217		
1000(40)	970		1225			722	750	120	1592	306	460	120	266		
1200(48)	1190		1449			872	880	120	1872	306	460	120	316		
1350(54)	1330		1615			970	1045	133	2148	337	460	150	341		
1500(60)	1480		1775			1070	1145	133	2348	337	460	150	341		

※ Standard dimensions based on PVC material



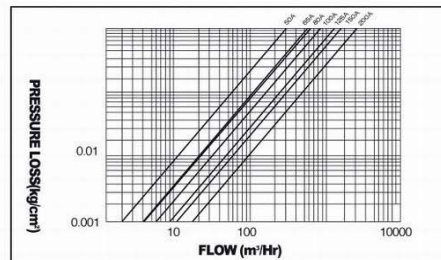
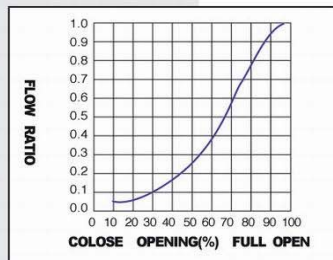
BUTTERFLY VALVE Lever handle type



BB Series 旋轉凡而 (手把式)

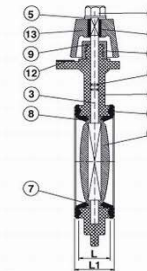
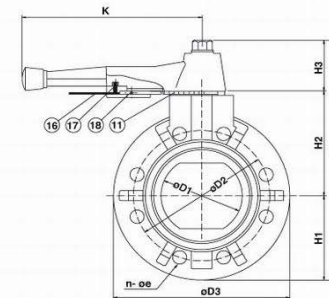
BB300
Size: 2" - 8"

options: 8" (DN200) GEAR OPERATOR TYPE



MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, PPG, PVDF, CPVC	10	Retainer Cap	1	UPVC, PP, PVDF
2	Disc	1	UPVC, PP, PPG, PVDF, CPVC	11	Positioner	1	SUS304
3	Stem	1	SUS410, SUS316, SUS304	12	Screw	3, DN50-200 4, DN200	SUS304
4	Stem O-ring	2	EPDM, VITON	13	Handle	1	ABS
5	Washer	1	SUS304	14	Inserted Metal Of Handle	1	FC0208
6	Seat	1	EPDM, VITON, NBR, HYPALON	15	Nut	1	PVC COATED BRASS, SUS304
7	Disc O'ring (1)	1	EPDM, VITON	16	Handle Lever	1	SUS304
8	Disc O'ring (2)	1	EPDM, VITON	17	Spring	1	SUS304
9	Stem Retainer	1	SUS304	18	Set Pin	1	BSBM



DN50~DN200

TORQUE VALUES (1kgf/m=9.8N.m)

BF-V'S Size	Torque Under Without Any Water Pressure (Kgfm)	Under Water Testing Pressure (Kg/cm²)	Open Torque (kgfm)	Close Torque (kgfm)	BF-V'S Size	Torque Under Without Any Water Pressure (Kgfm)	Under Water Testing Pressure (Kg/cm²)	Open Torque (kgfm)	Close Torque (kgfm)
2"	1.5	15	0.5	0.5	10"	17.0	8	7	10
2-1/2"	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	-	-	-

DIMENSIONS TABLE

JIS														Unit: mm	
Nom. Size DN(Inch)	D1	D2	D3	øe	n	L	L1	H1	H2	H3	I	K	Test Press (kgf/cm ²)		Working Press (kgf/cm ²)
													Body	Seat	
50(2")	57	120	160	19	4	35	42	83	102	68	253	220	15.0	12.0	10.0
65(2 1/2")	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	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	290	337	23	12	76	87	168	204	93	476	414	15.0	12.0	10.0

ANSI														Unit: inch	
Nom. Size DN(Inch)	D1	D2	D3	øe	n	L	L1	H1	H2	H3	I	K	Test Press (kgf/cm ²)		Working Press (lb/in ²)
													Body	Seat	
50(2")	2.24	4.75	6.29	0.75	4	1.38	1.65	3.27	4.01	2.68	9.96	8.66	222	177	150
65(2 1/2")	2.83	5.50	7.24	0.75	4	1.46	1.81	3.62	4.33	2.68	10.63	8.66	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	8.66	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	8.66	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	12.20	222	177	150
150(6")	5.90	9.50	11.42	0.87	8	2.44	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

DIN														Unit: mm	
Nom. Size DN(Inch)	D1	D2	D3	øe	n	L	L1	H1	H2	H3	I	K	Test Press (kgf/cm ²)		Working Press (kgf/cm ²)
													Boat	Seat	
50(2")	57	125	160	18	4	35	42	83	102	68	253	220	15.0	12.0	10.0
65(2 1/2")	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	230	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

※ Standard dimensions based on PVC material



BUTTERFLY VALVE-Universal Type (With actuator direct mounting pad) Lever Handle Type



BE Series 通用型蝶閥

BE300

Size: 2"- 8"

End Type: Flanged

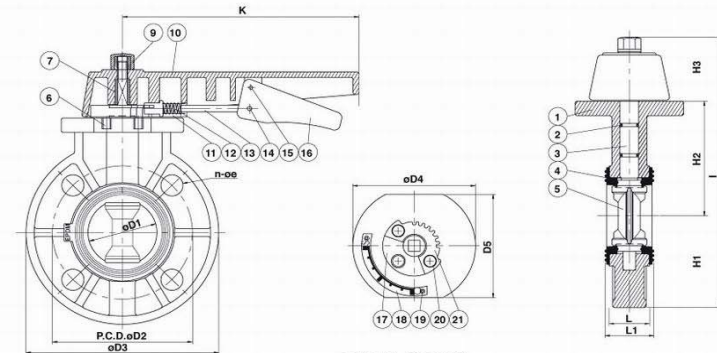
Test Pressure: 225 PSI

Working Pressure: 150 PSI

- Corrosion resistance.
- Excellent flow characteristics.
- Lower flow loss.
- Compact and lightweight designs in an energy-saving and cost-efficient Butterfly Valve.
- With clear indication of disc opening degree.
- Ideally suited for flow control in a minimum piping space.

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	Body	1	UPVC, PP, CPVC, PVDF	12	Spring	1	SUS 304
2	Stem O'ring	2	EPDM, VITON	13	Lever	1	SUS 304
3	Stem	1	SUS 410, SUS 316	14	Setpin(Short)	1	SUS 304
4	Seat	1	EPDM, VITON, NBR	15	Setpin(Long)	1	SUS 304
5	Disc	1	UPVC, PP, CPVC, PVDF	16	Lever	1	ABS
6	Bolt	1	BRASS, SUS 304	17	Positioner	1	UPVC
7	Handle Insert	1	FC 0208	18	Indicator	1	SUS 304
9	Stem Bolt	1	UPVC, BRASS	19	Bolt	2	SUS 304
10	Handle	1	ABS	20	Bolt	3	SUS 304
11	Handle Cap	1	ABS	21	Teeth Plate	1	SUS 304



DN50~DN200

The Torque Values

	AT Water							
	W/O Pressure (Kgf.m)		Pressure at 50PSI (Kgf.m)		Pressure at 100PSI (Kgf.m)		Pressure at 150PSI (Kgf.m)	
	Open	Close	Open	Close	Open	Close	Open	Close
2"	0.80	0.80	0.80	1.00	0.80	1.00	1.00	1.00
3"	2.50	2.50	3.00	3.00	2.50	2.50	3.00	3.00
4"	2.50	3.00	3.00	3.00	3.00	3.00	3.00	3.00
6"	8.00	9.00	8.00	8.00	7.50	8.00	6.00	7.00
8"	10.00	11.00	11.00	11.00	10.50	10.50	9.50	9.50

DIMENSIONS TABLE

JIS													Unit: mm
Nom. size DN(inch)	D1	D2	D3	n	L	L1	D4	H1	H2	H3	I	K	D5
50(2")	55	123	164	4	38	41	105	82	107	63	252	204	93
80(3")	78	151.8	196	4	42	45	127	98	123	63	284	204	95
100(4")	100	182	225	8	48	51	134	112.5	139.5	68	320	253	100
150(6")	152	240	286	8	51	54	170	143	178	86	407	297	101
200(8")	200	290	344	12	61	64	191	172	212	86	470	297	110

ANSI													Unit: inch
Nom. size DN(inch)	D1	D2	D3	n	L	L1	D4	H1	H2	H3	I	K	D5
50(2")	2.16	4.84	6.46	4	1.50	1.61	4.13	3.23	4.21	2.48	9.92	8.03	3.66
80(3")	3.07	5.97	7.72	4	1.65	1.77	5.00	3.86	4.84	2.48	11.18	8.03	3.74
100(4")	3.94	7.16	8.85	8	1.89	2.00	5.27	4.43	5.49	2.68	12.60	9.96	3.94
150(6")	5.98	9.44	11.26	8	2.20	2.13	6.69	9.63	7.00	3.39	16.02	11.69	3.98
200(8")	7.87	11.70	13.54	8	2.40	2.52	7.52	6.77	8.35	3.39	18.50	11.69	4.31

DIN													Unit: mm
Nom. size DN(inch)	D1	D2	D3	n	L	L1	D4	H1	H2	H3	I	K	D5
50(2")	55	123	164	4	38	41	105	82	107	63	252	204	93
80(3")	78	151.8	196	4	42	45	127	98	123	63	284	204	95
100(4")	100	182	225	8	48	51	134	112.5	139.5	68	320	253	100
150(6")	152	240	286	8	51	54	170	143	178	86	407	297	101
200(8")	200	295	344	8	61	64	191	172	212	86	470	297	110

※Standard dimensions based on PVC material



BUTTERFLY VALVE GEAR OPER. FULL FLANGED TYPE



BF Series 旋轉凡而全法蘭齒輪式

BF300
Size: 8"- 24"

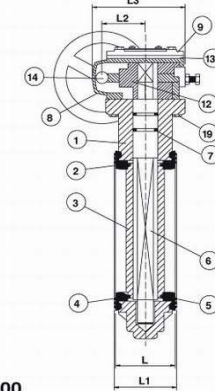
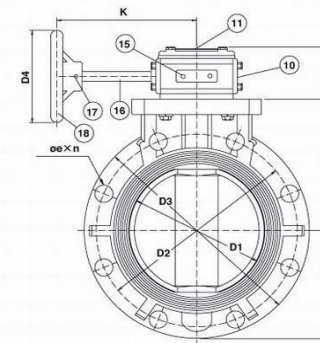
*OPTION: 8"(DN200)Lever type.

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PPG, PVDF	11	Indicator Plate	1	PVC
2	Seat	1	EPDM, VITON, NBR, HYPALON	12	Gear	1	FCD45
3	Disc	1	UPVC, PP, CPVC, PPG, PVDF	13	Oil Seal	1	EPDM
4	Disc O'ring(A)	2	EPDM, VITON	14	Bearing	1	SMCM220/420/810
5	Disc O'ring(B)	2	EPDM, VITON	15	Adjustable Bolt	2	SS41
6	Stem	1	SUS410, SUS304, SUS316	16	Gearing	1	SS41
7	Stem O'ring	2	EPDM, VITON	17	Set Pin	1	K7
8	Gear Box	1	FC25	18	Hand Wheel	1	FC25
9	Gear Box Cap	1	FC25	19	Tightening Bolt	4	SCM3, SUS304
10	Side Cap	1	FC25				

Torque Values (1kgf/m=9.8N.m)

BF-V'S Size	Torque Under Water Pressure (Kg/cm ²)			BF-V'S Size	Torque Under Water Pressure (Kg/cm ²)		
	Water Pressure (Kg/cm ²)	Open Torque (Kg/cm ²)	Close Torque (Kg/cm ²)		Water Pressure (Kg/cm ²)	Open Torque (Kg/cm ²)	Close Torque (Kg/cm ²)
2"	1.5	15	0.5	12"	27.0	6	14
2-1/2"	1.5	15	0.5	14"	37.0	6	25
3"	2.0	15	1	16"	42.0	—	—
4"	2.0	12	1	18"	52.0	—	—
5"	5.0	12	2.5	20"	65.0	—	—
6"	6.5	12	4	24"	76.0	—	—
8"	10.0	10	6	28"	—	—	—
10"	17.0	8	7	—	—	—	—



DN200~DN600

DIMENSIONS TABLE

JIS																Unit: mm	
Nom. Size DN(Inch)	D1	D2	n	øe	D3	L	L1	H1	H2	H3	K	L2	L3	D4	Test Press	Working Press	
															(kgf/cm ²) Body	(kgf/cm ²) Seat	
200(8")	203	290	12	23	337	76	87	168	204	69	178	51	136	153	15.0	12.0	10.0
250(10")	250	355	12	25	400	96	111	200	235	69	178	51	136	153	15.0	12.0	10.0
300(12")	312	400	16	25	483	116	132	239	289	103	212	72	189	244	10.5	8.5	7.0
350(15")	355	445	16	25	520	116	132	259	305	103	212	72	189	244	10.5	8.5	7.0
400(16")	398	510	16	27	600	153	169	302	353	103	212	72	189	244	9.0	7.0	6.0
450(18")	451	565	20	27	640	166	181	317	365	121	269	116	285	244	7.5	6.0	5.0
500(20")	500	620	20	27	711	171	190	365	405	121	330	116	285	244	5.0	4.0	3.5
600(24")	600	730	24	33	813	191	209	425	460	121	330	116	285	244	5.0	4.0	3.5

ANSI																	Unit: mm	
Nom. Size DN(Inch)	D1	D2	n	øe	D3	L	L1	H1	H2	H3	K	L2	L3	D4	Test Press (kgf/cm ²)		Working (lb/in ²)	
															Body	Seat		
200(8")	7.99	11.75	8	0.88	13.27	2.99	3.43	6.61	8.03	2.72	7.01	2.01	5.35	6.02	222	177	150	
250(10")	9.85	14.25	12	0.98	15.75	3.78	4.37	7.87	9.25	2.72	7.01	2.01	5.35	6.02	222	177	150	
300(12")	12.28	17.00	12	0.98	19.02	4.57	5.20	9.41	11.38	4.05	8.35	2.83	7.44	9.16	155	125	105	
350(15")	13.97	18.25	12	1.14	20.47	4.57	5.20	10.20	12.01	4.05	8.35	2.83	7.44	9.16	155	125	105	
400(16")	15.69	21.25	16	1.14	23.62	6.02	6.65	11.89	13.90	4.05	8.35	2.83	7.44	9.16	133	103	88	
450(18")	17.75	22.75	16	1.26	25.20	6.45	7.13	12.48	14.37	4.76	10.59	4.57	11.22	18.27	111	88	74	
500(20")	19.70	25.00	20	1.26	27.99	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	28.50	20	1.38	32.00	7.52	8.23	16.73	18.11	4.76	12.99	4.57	11.22	18.27	74	59	52	

DIN																Unit: mm		
Nom. Size DN(Inch)	D1	D2	n	øe	D3	L	L1	H1	H2	H3	K	L2	L3	D4	Test Press (kgf/cm ²)		Working Press (kgf/cm ²)	
															Body	Seat		
200(8")	203	290	8	23	337	76	87	168	204	69	178	51	136	153	15.0	12.0	10.0	
250(10")	250	355	12	25	400	96	111	200	235	69	178	51	136	153	15.0	12.0	10.0	
300(12")	312	400	12	25	483	116	132	239	289	103	212	72	189	244	10.5	8.5	7.0	
350(15")	355	460	16	25	520	116	132	259	305	103	212	72	189	244	10.5	8.5	7.0	
400(16")	398	515	16	27	600	153	169	302	363	103	212	72	189	244	9.0	7.0	6.0	
450(18")	451	565	20	27	640	166	181	317	365	121	269	116	285	244	7.5	6.0	5.0	
500(20")	500	620	20	27	711	171	190	365	405	121	330	116	285	464	5.0	4.0	3.5	
600(24")	600	725	20	30	813	191	209	425	460	121	330	116	285	464	5.0	4.0	3.5	

*Standard dimensions based on PVC material



Check Valve

逆止閥 系列

Hi -Tech'S, Hi-Qualitly'S

Ball Check Valve Swing Check Valve

直式球形逆止閥
橫式擺動逆止閥

- Material: UPVC, PP, CPVC, PPG, PVDF
- Ball Check Valve
Size: 1/2"~10"
- Swing Check Valve
Size: 1/2"~8"
- 材質：UPVC, PP, CPVC, PPG, PVDF
- 直式球形逆止閥 尺寸：1/2"~10"
- 橫式擺動逆止閥 尺寸：1/2"~8"





CHECK VALVE / HORIZONTAL TYPE



JW Series 擺動逆止凡而 / 橫式

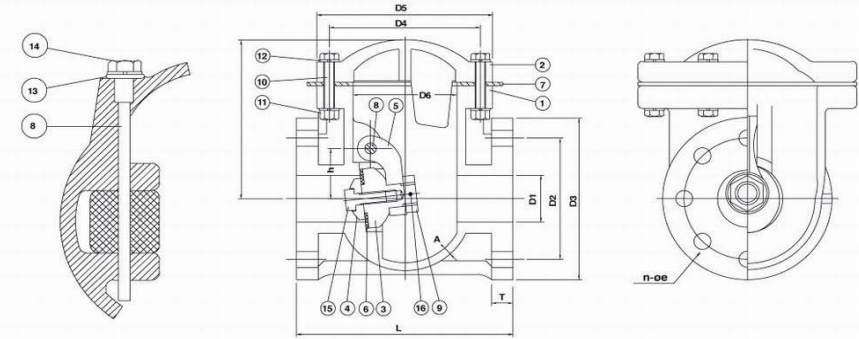
JW300
SIZE: 1"-8"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PPG, PVDF	9	Disc Holder	1	PP/PVDF
2	Bonnet	1	UPVC, CPVC, PPG, PVDF	10	Bolts	6...DN15-50 8...DN65-125 10...DN150 12...DN200	SUS304
3	Disc	1	UPVC, PP, CPVC, PPG, PVDF	11	Nuts		SUS304
4	Sheet Gasket Holder	1	UPVC, PP, CPVC, PPG, PVDF	12	Washers		SUS304
5	Swing Arms	1	UPVC, PP, CPVC, PPG, PVDF	13	O-ring	1	EPDM, VITON
6	Disc Gasket	1	EPDM, VITON	14	Shaft Holder	1	PVDF
7	Bonnet Gasket	1	EPDM, VITON	15	Set Bolts	1...DN15-80 3...DN100-125 4...DN150-200	PVDF
8	Shaft	2	PP, PVDF	16	Set Pin	1	PVDF

DIMENSIONS TABLE

JIS																Unit: mm
Nom. Size DN-inch	D1	D2	D3	e	n No. of holes	D4	D5	D6	L	T	A	h	H	D	Test Press (kgf/cm ²)	Working Press (kg/cm ²)
25(1")	25	90	125	19	4	110	130	75	160	15	6	40	120	8	10	7
40(1-1/2")	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(2-1/2")	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



DN25~DN200

DIMENSIONS TABLE

ANSI																Unit: inch
Nom. Size DN-inch	D1	D2	D3	e	n No. of holes	D4	D5	D6	L	T	A	h	H	D	Test Press (lb/in ²)	Working Press (lb/in 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(1-1/2")	1.63	3.88	5.00	0.63	4	4.94	5.72	3.34	7.09	0.63	0.31	1.78	5.44	0.31	150	100
50(2")	2.06	4.75	6.00	0.75	4	6.09	7.09	4.13	7.88	0.71	0.31	2.16	6.64	0.41	150	100
65(2-1/2")	3.15	5.50	7.00	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	7.50	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	9.00	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	10.00	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")	5.90	9.50	11.00	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	13.50	0.88	8	15.31	16.71	11.81	16.69	1.18	0.71	6.69	12.06	0.78	100	70

DIN																Unit: mm
Nom. Size DN-inch	D1	D2	D3	e	n No. of holes	D4	D5	D6	L	T	A	h	H	D	Test Press (kgf/cm ²)	Working Press (kg/cm ²)
25(1")	25	85	115	14	4	110	130	75	160	15	6	40	120	8	10	7
40(1-1/2")	41	110	150	18	4	125	145	85	180	16	8	45	138	8	10	7
50(2")	52	125	165	18	4	155	180	105	200	18	8	55	164	10	10	7
65(2-1/2")	80	145	185	18	4	181	205	130	260	20	9	70	171	12	10	7
80(3")	80	160	200	18	4	181	205	130	260	20	9	70	171	12	10	7
100(4")	100	180	220	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	285	23	8	330	370	250	400	30	16	135	268	20	7	5
200(8")	200	295	340	23	8	390	425	300	500	30	18	170	306	20	7	5

* Standard dimensions based on PVC material



BALL CHECK VALVE (VERTICAL TYPE)



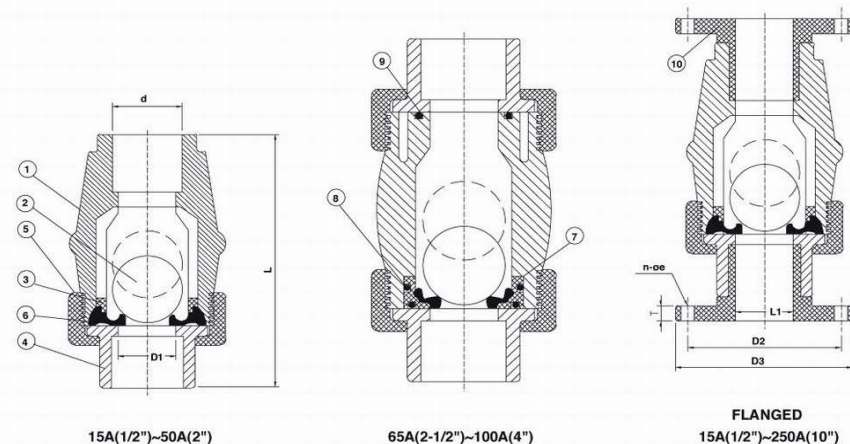
JB Series

球型逆止凡而 (直式)

**SOCKET JB100 / THREAD JB200 / FLANGED JB300
SIZE: 1/2"-10"**

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PVDF
2	Ball	1	UPVC, CPVC, PVDF
3	Washer	1	UPVC, PP, CPVC, PVDF
4	End Connector	1...DN15-50 2...DN65-100	UPVC, PP, CPVC, PVDF
5	Union Nut	1...DN15-50 2...DN65-100	UPVC, PP, CPVC, PVDF
6	Seat	1	EPDM, VITON
7	Seat Carrier	1	UPVC, PP, CPVC, PVDF
8	Seat Carrier O'ring	1	EPDM, VITON
9	Solid End O'ring	1	EPDM, VITON
10	Flanged End	2...DN15-100 1...DN150-250	UPVC, PP, CPVC, PVDF
11	Reinforcement Plate	8	SUS410(150A-250A)
12	Bolts on Reinforcement Plate	10...DN150 20...DN250	SUS410



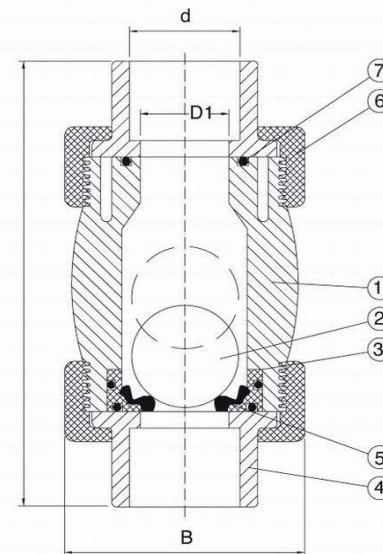
DIMENSIONS TABLE

	JIS										ANSI										DIN												
	Unit:mm										Unit:inch										Unit:mm												
	d		D1	Screw	Socket	D2	D3	n	oe	L			T	d		D1	Screw	Socket	D2	D3	n	oe	L			T							
	Screw	Socket								Flange	Screw	Socket		Flange	Screw								Socket	Flange	Screw		Socket	Flange	Screw	Socket	Flange		
15-1/2	15	PT	22	70	95	4	15	95	99	135	15	0.59	NPT	0.84	2.375	3.500	4	0.63	3.74	7.90	5.43	0.59	15	R1/2	20	65	95	4	14	95	99	135	15
20-3/4	20	PT	26	75	100	4	15	121	121	158	16	0.79	NPT	1.05	2.750	3.785	4	0.63	4.76	4.76	6.46	0.59	20	R3/4	25	75	105	4	14	121	121	164	16
25-1	26	PT	32	90	125	4	19	127	127	179	17	0.98	NPT	1.135	3.125	4.250	4	0.63	4.92	5.00	6.69	0.66	26	R1	32	85	115	4	14	127	127	173	17
32-1 1/4	36	PT	38	100	135	4	19	155	155	202	16	1.42	NPT	1.66	3.500	4.625	4	0.63	6.10	6.10	7.95	0.67	36	R1-1/4	40	100	140	4	18	155	155	202	18
40-1 1/2	40	PT	48	105	145	4	19	155	155	202	18	1.57	NPT	1.90	3.875	5.000	4	0.63	6.10	6.10	7.89	0.7	36	R1-1/2	50	110	150	4	18	155	155	202	18
50-2	50	PT	60	120	155	4	19	180	180	234	21	1.96	NPT	2.375	4.750	6.000	4	0.75	7.09	7.09	9.09	0.78	40	R2	63	125	165	4	18	180	180	231	20
65-2 1/2	60	PT	76	140	175	4	19	222	222	276	20	2.36	NPT	2.875	5.500	7.000	4	0.75	8.74	8.74	10.87	0.8	65	R2-1/2	75	145	185	4	18	222	222	276	20
80-3	80	PT	89	150	185	8	19	274	274	330	20.5	3.15	NPT	3.50	6.000	7.500	4	0.75	10.79	10.79	12.99	0.9	80	R3	90	160	200	8	18	274	274	330	20
100-4	100	PT	114	175	210	8	19	367	367	423	20	3.74	NPT	4.50	7.500	9.000	8	0.75	14.45	14.45	16.57	0.92	100	R4	100	180	220	8	18	367	367	423	20
150-6	150	-	-	240	280	8	23	-	-	480	22	-	-	-	9.500	11.000	8	0.88	-	-	18.90	0.87	150	-	-	240	285	8	23	-	-	480	22
250-10	250	-	-	355	400	12	23	-	-	670	24	-	-	-	14.250	16.000	12	1.00	-	-	26.38	0.94	250	-	-	350	395	12	23	-	-	670	24

※ Standard dimensions based on PVC material



TRUE UNION BALL CHECK VALVE (VERTICAL TYPE)



DN15~DN100

JX Series

由任式球型逆止凡而(直式)

SOCKET JX100 / THREAD JX200
SIZE: 1/2"-4"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PVDF
2	Ball	1	UPVC, CPVC, PVDF
3	Seat Carrier	1	UPVC, PP, CPVC, PVDF
4	End Connector	2	UPVC, PP, CPVC, PVDF
5	Seat	1	EPDM, VITON
6	Union Nut	2	UPVC, PP, CPVC, PVDF
7	O'ring	1	EPDM, VITON

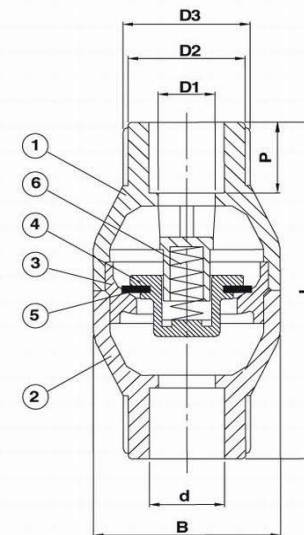
DIMENSIONS TABLE

	JISUnit:mm						ANSIUnit:inch						DINUnit:inch					
	D1	d		L		B	D1	d		L		B	D1	d		L		B
		Socket	Thread	Socket	Thread			Socket	Thread	Socket	Thread			Socket	Thread	Socket	Thread	
15(1/2")	15	21	PT	101	101	53.5	0.598	0.840	NPT	3.976	3.976	2.016	15	20	R1/2	101	101	53.5
20(3/4")	19.5	27	PT	115	115	63.3	0.771	1.050	NPT	4.527	4.527	2.492	19.5	25	R3/4	115	115	63.3
25(1")	25	33	PT	156	156	73	0.984	1.135	NPT	5.345	5.345	2.874	25	32	R1	156	156	73
32(1-1/4")	32	42	PT	171	171	97.5	1.259	1.660	NPT	6.732	6.732	3.842	32	40	R1 1/4	171	171	97.5
40(1-1/2")	40	48	PT	171	171	97.5	1.574	1.900	NPT	6.732	6.732	3.842	40	50	R1 1/2	171	171	97.5
50(2")	50	60	PT	195	195	120.5	1.968	2.375	NPT	7.677	7.677	4.744	50	63	R2	195	195	120.5
65(2-1/2")	62.5	76	PT	225	225	150	2.46	2.875	NPT	8.86	8.86	5.9	62.5	75	R2 1/2	225	225	150
80(3")	76	89	PT	272	272	184	3	3.50	NPT	10.71	10.71	7.24	76	90	R3	272	272	184
100(4")	100	114	PT	365	365	199	3.94	4.50	NPT	14.37	14.37	7.835	100	110	R4	365	365	199

※ Standard dimensions based on PVC material



IN-LINE SPRING CHECK VALVE



DN15~DN50

JC Series

彈簧逆止閥

SOCKET JC100 / THREAD JC200
Size: 1/2" - 2"

TEST PRESSURE: 225 PSI
WORKING PRESSURE: 150 PSI

MATERIALS OF CONSTRUCTION

NO	PART	MATERIAL	Q'TY
1	UPPER BODY	UPVC	1
2	LOWER BODY	UPVC	1
3	CONNECTIR SEAT	UPVC	1
4	SPIGOT	UPVC	1
5	SEAL	EPDM	1
6	SPRING	SUS 304	1

DIMENSIONS TABLE

SIZE			15mm (1/2')	20mm (3/4')	25mm (1')	32mm (1-1/4')	40mm (1-1/2')	50mm (2')
Nom								
d	JIS (mm)	Socket	20	26	32	38	48	60
		Thread	PT1/2	PT3/4	PT1	PT1-1/4	PT1-1/2	PT2
	ANSI (inch)	Socked	0.840	1.050	1.315	1.660	1.900	2.375
		Thread	NPT1/2	NPT3/4	NPT1	NPT1-1/4	NPT1-1/2	NPT2
	DIN (mm)	Socked	20	25	32	40	50	63
		Thread	R1/2	R3/4	R1	R1-1/4	R1-1/2	R2
P		JIS(mm)	22.2	25.4	28.6	31.8	34.9	38.1
		ANSI(inch)	0.875	1.000	1.125	1.250	1.375	1.500
		DIN(mm)	16.0	18.5	22.0	26.0	31.0	37.5
D1			17	21	28	35	40	52
D2			35	35	45	52	60	73
D3			37	37	47	54	62	75
B			56	56	73	91	91	107
L			105	105	134	157	157	178



Foot Valve

福特閥門 系列

- Material: UPVC, PP, CPVC, PPG, PVDF
- Size: DN15~DN250

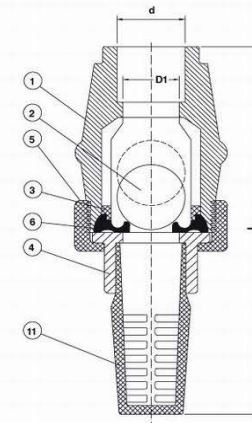
- 材質 : UPVC, PP, CPVC, PPG, PVDF
- 尺寸 : DN15~DN250

Hi -Tech'S, Hi-Qualitly'S

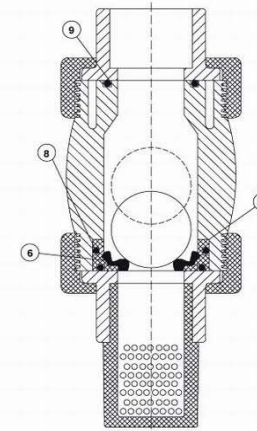




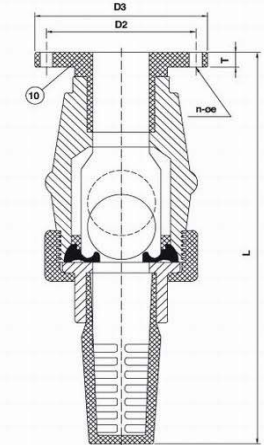
BALL FOOT VALVE (VERTICAL TYPE)



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



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



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

JF Series

福特球型凡而(直式)

SOCKET JF100/THREAD JF200/FLANGED JF300

MATERIALS OF CONSTRUCTION

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

DIMENSIONS TABLE

Standards Nom. size DN-inch	JIS												ANSI												DIN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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	d			D2			D3			n			L			T			d			D2			D3			n			L			T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket	D1	Screw	Socket

※ Standard dimensions based on PVC material



Sediment Strainers

過濾器 系列

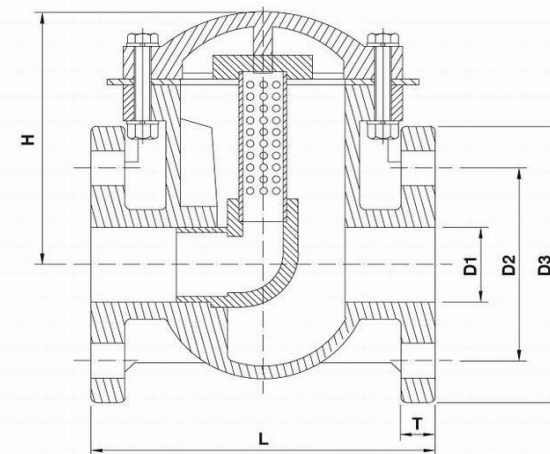
- Material: UPVC, PP, PPG, CPVC, PVDF
- Size: 1"~8"
- 材質 : UPVC, PP, PPG, CPVC, PVDF
- 尺寸 : 1"~8"



Hi -Tech'S, Hi-Qualitly'S



T-TYPE SEDIMENT STRAINERS



DN15~DN200

JS Series

過濾器

JS 300
Size: 1/2"- 8"

MATERIALS OF CONSTRUCTION

MATERIAL	U-PVC, PP, CPVC, PPG, PVDF
SIZES	1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4", 5", 6", 8"
PRESSURE	Testing Pressure: 1/2"~ 4" : 10kg/cm ² ; 5"~ 8" : 6kg/cm ² Working Pressure: 1/2"~ 4" : 7kg/cm ² ; 5"~ 8" : 4kg/cm ²
END CONNECTIONS	Flange ends with in JIS, DIN, ANSI, BS STANDARD
WORKING TEMP	U-PVC: 0°C~60°C, PP: 20°C~90°C, PPG: 20°C~120°C, CPVC: 0°C~90°C, PVDF: -40°C~135°C

DIMENSIONS TABLE

Nom. Size DN-inch	D1	L	D2			D3			T	SCREEN (mm)
			JIS	DIN	ANSI (inch)	JIS	DIN	ANSI (inch)		
15-1/2"	25	160	70	65	2.38	95	95	3.50	15	2.5
20-3/4"	25	160	75	75	2.76	100	105	3.86	15	2.5
25-1"	25	160	90	85	3.13	125	115	4.25	15	2.5
32-1-1/4"	41	180	100	100	3.50	135	135	4.61	16	2.5
40-1-1/2"	41	180	105	110	3.88	140	150	5.00	16	2.5
50-2"	52	200	120	125	4.74	155	165	5.98	18	2.5
65-2-1/2"	80	260	140	145	5.49	175	185	7.01	20	2.5
80-3"	80	260	150	160	6.00	185	200	7.52	20	2.5
100-4"	100	300	175	180	7.50	210	220	9.02	24	2.5
125-5"	125	350	210	210	8.50	250	250	10.00	24	2.5
150-6"	150	400	240	240	9.51	280	285	10.98	30	2.5
200-8"	200	500	290	295	11.75	330	340	13.50	30	2.5



Y-SEDIMENT STRAINERS



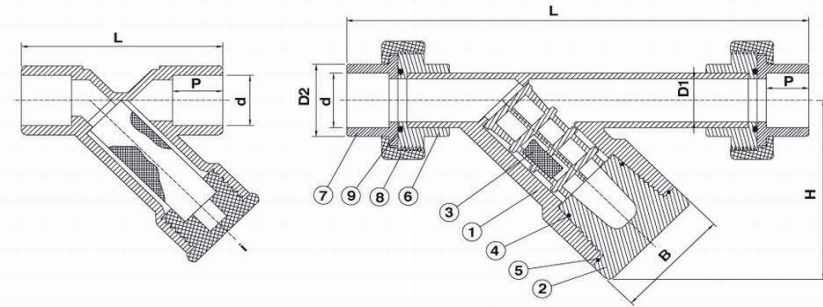
EY Series

Y 型過濾器

SOCKET EY100 / THREAD EY 200 / FLANGE EY 300
Size: 1/4"- 2"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC
2	Lid	1	UPVC
3	Screen	1	UPVC
4	Body O'ring	1	EPDM,VITON
5	Union End	2	UPVC
6	Connector	2	UPVC
7	Union Nut	2	UPVC
8	Union O'ring	2	EPDM,VITON
9	Flange	2	PVC



DN8~DN50

DIMENSIONS TABLE

JIS									Unit: mm
Nom. Size DN-inch	D1	D2	L		P	D		H	B
			SOC/THD.	FLANGE		SOCKET	THREAD		
8-1/4"	-	-	48	-	15.9	-	PT1/2	44	-
12-3/8"	-	-	48	-	19.1	18.2	PT3/8	44	-
15-1/2"	15	47	204	147	22.2	22	PT3/4	60	36
20-3/4"	20	61	234	168	25.4	26	PT3/4	72	40
25-1"	26	67	251	177	28.6	22	PT1	87	48
32-1-1/4"	32	80.5	282	201	31.8	38	PT1-1/4	96	55
40-1-1/2"	40	89	312	216	34.9	48	PT1-1/2	125	70
50-2"	50	101	352	239	38.1	60	PT2	150	82

ANSI									Unit: inch
Nom. Size DN-inch	D1	D2	L		P	D		H	B
			SOC/THD.	FLANGE		SOCKET	THREAD		
8-1/4"	-	-	1.88	-	0.625	0.54	NPT1/4	1.73	-
12-3/8"	-	-	1.88	-	0.75	0.675	NPT3/8	1.73	-
15-1/2"	0.95	1.81	8.03	5.35	0.875	0.840	NPT1/2	2.36	1.42
20-3/4"	0.79	2.40	9.21	6.14	1.000	1.050	NPT3/4	2.83	1.57
25-1"	1.02	2.75	9.88	6.96	1.125	1.315	NPT1	3.43	1.89
32-1-1/4"	1.26	3.16	11.1	7.91	1.250	1.660	NPT1 1/4	3.80	2.17
40-1-1/2"	1.57	3.5	12.28	8.50	1.375	1.900	NPT1 1/2	4.92	2.76
50-2"	1.97	3.97	13.85	9.41	1.500	2.375	NPT2	5.91	3.23

DIN								Unit: mm	
Nom. Size DN-inch	D1	D2	L		P	D		H	B
			SOC/THD.	FLANGE		SOCKET	THREAD		
8-1/4"	-	-	48	-	12	12	R1/4	44	-
12-3/8"	-	-	48	-	14	16	R3/8	44	-
15-1/2"	15	47	204	146	16	22	R1/2	60	37
20-3/4"	20	61	234	168	18.5	25	R3/4	72	40
25-1"	26	67	251	177	23.5	32	R1	87	48
32-1-1/4"	32	80.5	282	201	26	40	R1-1/4	96	55
40-1-1/2"	40	89	312	216	31	50	R1-1/2	125	70
50-2"	50	101	352	239	37.5	63	R2	150	82



Electric / Pneumatic Actuated Valve 電動/氣動閥門 系列

Hi -Tech'S, Hi-Qualitly'S

Electric Actuated Butterfly Valve
Electric Actuated Ball Valve
Pneumatic Actuated Butterfly Valve
Pneumatic Actuated Ball Valve

電動式蝶閥
電動式球閥
氣動式蝶閥
氣動式球閥

- Material: UPVC, PP, PPG, CPVC, PVDF
- Electric Actuated Butterfly Valve
Size: 2"~14"
- Electric Actuated Ball Valve
Size: 1/2"~4"
- Pneumatic Actuated Butterfly Valve
Size: 2"~24"
- Pneumatic Actuated Ball Valve
Size: 1/2"~4"

- 材質：UPVC, PP, PPG, CPVC, PVDF
- 電動式蝶閥 尺寸：2"~14"
- 電動式球閥 尺寸：1/2"~4"
- 氣動式蝶閥 尺寸：2"~24"
- 氣動式球閥 尺寸：1/2"~4"





PNEUMATIC ACTUATED BALL VALVE (DOUBLE ACTION TYPE)



CF Series 雙式氣動球閥

SOCKET CF100 / THREAD CF200 / FLANGED CF300
Size: 1/2"-4"

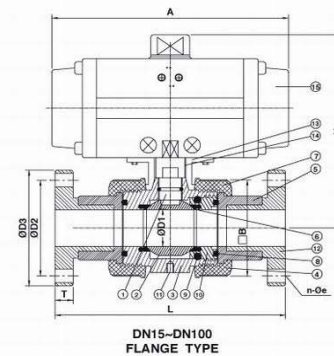
MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	STEM	1	UPVC, PP, CPVC, PVDF	9	BODY O-RING	2	EPDM, VITON
2	BALL	1	UPVC, PP, CPVC, PVDF	10	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF
3	BODY	1	UPVC, PP, CPVC, PVDF	11	BRASS INSERTS	4...15-50 8...65-100	BRASS
4	UNION NUT	2	UPVC, PP, CPVC, PVDF	12	FLANGE	2	UPVC, PP, CPVC, PVDF
5	END CONNECTOR	1	UPVC, PP, CPVC, PVDF	13	MOUNTING BRACKET	1	SUS304
6	SEAT	2	PTFE	14	STEM TRANSMIT HOUSING	1	SUS304
7	STEM O-RING	1, 15-50 2, 65-100	EPDM, VITON	15	PNEUMATIC ACTUATORS	1	ECRLD ALUMINUM ALLOY
8	SEAT CARRIER O-RING	1	EPDM, VITON				

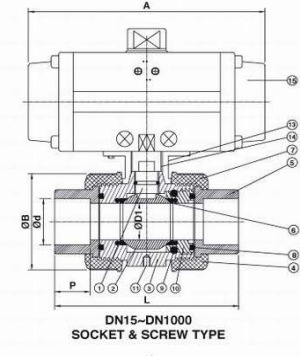
* 氣缸動作壓力(氣壓) : 最小 5kg/cm²

DIMENSIONS TABLE

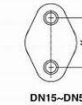
JIS																						Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (kgf/cm ²)		
				Socket	Thread				Socket	Thread	Flange												
15(1/2")	15	70	95	22	PT1/2"	15	4	22.2	113	113	147	151.6	40	137	66	15	31		3/16"-24G	2	10		
20(3/4")	19	75	100	26	PT3/4"	15	4	25.4	124	124	161	157.5	40	137	66	15	37		1/4"-20G	2	10		
25(1")	25	90	125	32	PT 1"	19	4	28.6	142	142	187	162.0	40	137	66	16	40		1/4"-20G	2	10		
32(1-1/4")	38	100	135	38	PT1 1/4"	19	4	31.8	178.3	178.3	225.3	197.7	55	152	73	16	55		5/16"-18G	2	10		
40(2")	38	105	140	48	PT1 1/2"	19	4	34.9	178.3	178.3	225.3	197.7	55	152	73	16	55		5/16"-18G	2	10		
50(2")	50	120	155	60	PT 2"	19	4	38.1	201.9	201.9	255.9	208.3	55	152	85	20	68		5/16"-18G	2	10		
65(2-1/2")	65	140	175	76	PT2-1/2"	19	4	44.5	224	224	277	263.2	68	230	98	20	83.6	44.6	1/4"-20G	4	7		
80(3")	78	150	185	89	PT 3"	19	8	47.6	276.1	276.1	333.1	307.7	85	271	110	22	83.6	44.6	1/4"-20G	4	7		
100(4")	100	175	210	114	PT 4"	19	8	57.2	326	326	383	326.0	80	360	140	22	121	49	5/16"-18G	4	7		



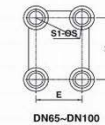
DN15-DN100
FLANGE TYPE



DN15-DN1000
SOCKET & SCREW TYPE



DN15-DN50



DN65-DN100

MOUNTING PAD

DIMENSIONS TABLE

ANSI																						Unit: inch	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (lb/in ²)		
				Socket	Thread				Socket	Thread	Flange												
15(1/2")	0.59	2.375	3.500	0.840	PT1/2"	0.625	4	0.875	4.45	4.45	5.79	5.97	1.57	5.39	2.60	0.59	1.22		3/16"-24G	2	148		
20(3/4")	0.748	2.750	3.875	1.050	PT3/4"	0.625	4	1.000	4.88	4.88	6.34	6.20	1.57	5.39	2.60	0.59	1.45		1/4"-20G	2	148		
25(1")	0.98	3.125	4.250	1.315	PT 1"	0.625	4	1.125	5.59	5.59	7.36	6.38	1.57	5.39	2.60	0.63	1.57		1/4"-20G	2	148		
32(1-1/4")	38	3.500	4.625	1.660	PT1 1/4"	0.625	4	1.125	7.02	7.02	8.87	7.78	2.17	5.98	2.87	0.63	2.16		5/16"-18G	2	148		
40(2")	38	3.875	5.000	1.900	PT1 1/2"	0.625	4	1.375	7.02	7.02	8.87	7.78	2.17	5.98	2.87	0.63	2.16		5/16"-18G	2	100		
50(2 1/2")	50	4.750	6.000	2.375	PT 2"	0.750	4	1.500	7.95	7.95	10.08	8.20	2.17	5.98	2.87	0.787	2.67		5/16"-18G	2	100		
65(2-1/2")	2.56	5.500	7.000	2.875	PT2 1/2"	0.750	4	1.750	8.82	8.82	10.87	10.36	2.68	9.06	3.86	0.787	3.29	1.75	1/4"-20G	4	100		
80(3")	3.07	6.000	7.500	3.500	PT 3"	0.750	8	1.875	10.87	10.87	12.93	12.11	3.35	10.76	4.33	0.866	3.29	1.75	1/4"-20G	4	100		
100(4")	3.35	7.500	9.000	4.500	PT 4"	0.750	8	2.250	12.83	12.83	15.07	12.83	3.15	14.17	6.10	0.866	4.76	1.93	5/16"-18G	4	100		

DIN																					Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (kg/cm ²)	
				Socket	Thread				Socket	Thread	Flange											
15(1/2")	15	65	95	20	PT1/2"	14	4	16.0	113	113	147	151.6	40	137	66	15	31	/	3/16"-24G	2	10	
20(3/4")	19	75	105	25	PT3/4"	14	4	18.5	124	124	161	157.5	40	137	66	15	37		1/4"-20G	2	10	
25(1")	25	85	115	32	PT 1"	14	4	22.0	142	142	187	162.0	40	137	66	16	40		1/4"-20G	2	10	
32(1-1/4")	38	100	140	40	PT1 1/4"	18	4	26.0	178.3	178.3	225.3	197.7	55	152	73	16	55		5/16"-18G	2	10	
40(2")	38	110	150	50	PT1 1/2"	18	4	31.0	178.3	178.3	225.3	197.7	55	152	73	16	55	5/16"-18G	2	10		
50(2")	50	120	165	63	PT 2"	18	4	37.5	201.9	201.9	255.9	208.3	55	152	85	20	68	5/16"-18G	2	10		
65(2-1/2")	65	145	185	75	PT2-1/2"	18	4	43.5	224	224	277	263.2	68	230	98	20	83.6	44.6	1/4"-20G	4	7	
80(3")	78	160	200	90	PT 3"	18	4	51.0	276.1	276.1	333.1	307.7	85	271	110	22	83.6	44.6	1/4"-20G	4	7	
100(4")	85	180	220	114	PT 4"	18	8	61.0	326	326	383	326.0	80	360	140	22	121	49	5/16"-18G	4	7	



PNEUMATIC ACTUATED BALL VALVES (SPRING RETURN TYPE)



CQ Series

單式氣動球閥

SOCKET CQ100 / THREAD CQ200 / FLANGED CQ300
Size: 1/2"-4"

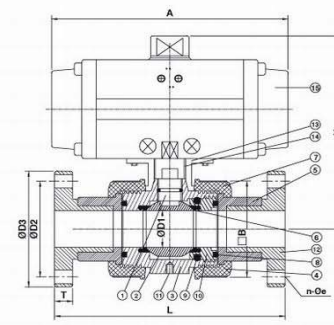
MATERIALS OF CONSTRUCTION

No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	STEM	1	UPVC, PP, CPVC, PVDF	9	BODY O-RING	2	EPDM,VITON
2	BALL	1	UPVC, PP, CPVC, PVDF	10	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF
3	BODY	1	UPVC, PP, CPVC, PVDF	11	BRASS INSRYS	4...15-50 8...65-100	BRASS
4	UNION NUT	2	UPVC, PP, CPVC, PVDF	12	FLANGE	2	UPVC, PP, CPVC, PVDF
5	END CONNECTOR	1	UPVC, PP, CPVC, PVDF	13	MONTING BRACKER	1	SU304
6	SEAT	2	PTFE	14	STEM TRANSMIT HOUSING	1	SU304
7	STEM O-RING	1...15-50 2...65-100	EPDM,VITON	15	PNEUMATIC ACTUATORS	1	ECRLD ALLUMINIUM ALLOY
8	SEAT CARRIER O-RING	1	EPDM,VITON				

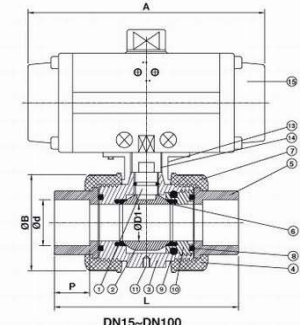
* 氣缸動作壓力(氣壓): 最小5kg/cm²

DIMENSIONS TABLE

JIS																				Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (kgf/cm ²)
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	15	70	95	22	PT1/2"	15	4	22.2	113	113	147	151.6	40	137	66	15	31		3/16"-24G	2	10
20(3/4")	19	75	100	26	PT3/4"	15	4	25.4	124	124	161	157.5	40	137	66	15	37		1/4"-20G	2	10
25(1")	25	90	125	32	PT 1"	19	4	28.6	142	142	187	162.0	40	137	66	16	40		1/4"-20G	2	10
32(1-1/4")	38	100	135	38	PT1 1/4"	19	4	31.8	178.3	178.3	225.3	197.7	55	152	73	16	55		5/16"-18G	2	10
40(2")	38	105	140	48	PT1 1/2"	19	4	34.9	178.3	178.3	225.3	197.7	55	152	73	16	55		5/16"-18G	2	10
50(2 1/2")	50	120	155	60	PT 2"	19	4	38.1	201.9	201.9	255.9	208.3	55	152	85	20	68		5/16"-18G	2	10
65(2-1/2")	65	140	175	76	PT2 1/2"	19	4	44.5	224	224	277	263.2	68	230	98	20	83.6	44.6	1/4"-20G	4	7
80(3")	78	150	185	89	PT 3"	19	8	47.6	276.1	276.1	333.1	307.7	85	271	110	22	83.6	44.6	1/4"-20G	4	7
100(4")	100	175	210	114	PT 4"	19	8	57.2	326	326	383	326.0	80	360	140	22	121	49	5/16"-18G	4	7



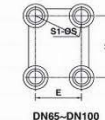
DN15-DN100
FLANGE TYPE



DN15-DN100
SOCKET & SCREW TYPE



DN15-DN50



DN65-DN100

MOUNTING PAD

DIMENSIONS TABLE

ANSI																				Unit: inch	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (lb/in ²)
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	0.59	2.375	3.500	0.840	PT1/2"	15	4	0.875	4.45	4.45	5.79	5.97	1.57	5.39	2.60	0.59	1.22		3/16"-24G	2	148
20(3/4")	0.748	2.750	3.875	1.050	PT3/4"	15	4	1.000	4.88	4.88	6.34	6.20	1.57	5.39	2.60	0.59	1.45		1/4"-20G	2	148
25(1")	0.98	3.125	4.250	1.315	PT 1"	19	4	1.125	5.59	5.59	7.36	6.38	1.57	5.39	2.60	0.63	1.57		1/4"-20G	2	148
32(1-1/4")	38	3.500	4.625	1.660	PT1 1/4"	19	4	1.125	7.02	7.02	8.87	7.78	2.17	5.98	2.87	0.63	2.16		5/16"-18G	2	148
40(2")	38	3.875	5.000	1.900	PT1 1/2"	19	4	1.375	7.02	7.02	8.87	7.78	2.17	5.98	2.87	0.63	2.16		5/16"-18G	2	100
50(2 1/2")	50	4.750	6.000	2.375	PT 2"	19	4	1.500	7.95	7.95	10.08	8.20	2.17	5.98	2.87	0.787	2.67		5/16"-18G	2	100
65(2-1/2")	2.56	5.500	7.000	2.875	PT2 1/2"	19	4	1.750	8.82	8.82	10.87	10.36	2.68	9.06	3.86	0.787	3.29	1.75	1/4"-20G	4	100
80(3")	3.07	6.000	7.500	3.500	PT 3"	19	8	1.875	10.87	10.87	12.93	12.11	3.35	10.76	4.33	0.866	3.29	1.75	1/4"-20G	4	100
100(4")	3.93	7.500	9.000	4.500	PT 4"	19	8	2.250	12.83	12.83	15.07	12.83	3.15	14.17	6.10	0.866	4.76	1.93	5/16"-18G	4	100

DIN																				Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	J	T	K	E	S	S1	Working press (lb/in ²)
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	15	65	95	20	PT1/2"	14	4	16.0	113	113	147	151.6	40	137	66	15	31		3/16"-24G	2	10
20(3/4")	19	75	105	25	PT3/4"	14	4	18.5	124	124	161	157.5	40	137	66	15	37		1/4"-20G	2	10
25(1")	25	85	115	32	PT 1"	14	4	22.0	142	142	187	162.0	40	137	66	16	40		1/4"-20G	2	10
32(1-1/4")	38	100	140	40	PT1 1/4"	18	4	26.0	178.3	178.3	225.3	197.7	55	152	73	16	55		5/16"-18G	2	10
40(2")	38	110	150	50	PT1 1/2"	18	4	31.0	178.3	178.3	225.3	197.7	55	152	73	16	55		5/16"-18G	2	10
50(2 1/2")	50	120	165	63	PT 2"	18	4	37.5	201.9	201.9	255.9	208.3	55	152	85	20	68		5/16"-18G	2	10
65(2-1/2")	65	145	185	75	PT2 1/2"	18	4	43.5	224	224	277	263.2	68	230	110	20	83.6	44.6	1/4"-20G	4	7
80(3")	78	160	200	90	PT 3"	18	4	51.0	276.1	276.1	333.1	307.7	85	271	110	22	83.6	44.6	1/4"-20G	4	7
100(4")	100	180	220	110	PT 4"	18	8	61.0	326	326	383	362.0	80	360	140	22	121	49	5/16"-18G	4	7



ELECTRIC ACTUATED BALL VALVES



CJ Series 電動球閥

SOCKET CJ100 / THREAD CJ200 / FLANGED CJ300

Size: 1/2"-4"

FEATURES:

1. Small HP, big torque, electrical-saving.
2. Light weight, compact, easy to install, long service life.
3. water proof.

OPTIONS:

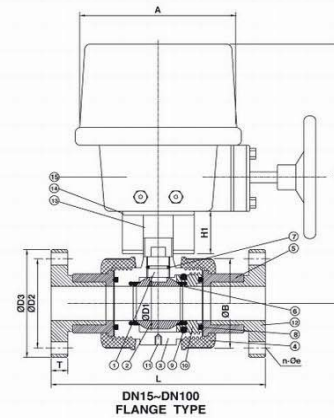
1. AC single-phase 100/220V, 3-phase 220V, 380V, 160V
2. manual operation option.

MATERIALS OF CONSTRUCTION

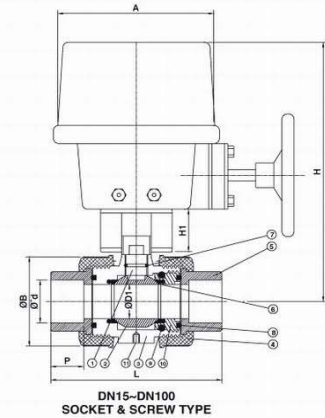
No.	Parts	Pcs	Materials	No.	Parts	Pcs	Materials
1	STEM	1	UPVC, PP, CPVC, PVDF	9	BODY O-RING	2	EPDM, VITON
2	BALL	1	UPVC, PP, CPVC, PVDF	10	SEAT CARRIER	1	UPVC, PP, CPVC, PVDF
3	BODY	1	UPVC, PP, CPVC, PVDF	11	BRASS INSERTS	4, 15-50 8, 65-100	BRASS
4	UNION NUT	2	UPVC, PP, CPVC, PVDF	12	FLANGE	2	UPVC, PP, CPVC, PVDF
5	END CONNECTOR	1	UPVC, PP, CPVC, PVDF	13	COUPLING	1	SU304
6	SEAT	2	PTFE	14	MOUNTING BRACKET	1	SU304
7	STEM O-RING	1, 15-50 2, 65-100	EPDM, VITON	15	IP CONTROL ACTUATOR	1	
8	SEAT CARRIER O-RING	1	EPDM, VITON				

DIMENSIONS TABLE

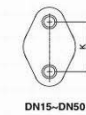
JIS																				Unit: mm	
Nominal Pipe Size	D1	D2	D3	d			e	n	P	L			H	H1	A	T	K	E	S	S1	Working press (kgf/cm ²)
				Socket	Thread					Socket	Thread	Flange									
15(1/2")	15	70	95	22	PT1/2"	15	4	22.2	113	113	147	203	42	106	15	31			3/16"-24G	2	10
20(3/4")	19	75	100	26	PT3/4"	15	4	25.4	124	124	161	206	42	106	15	37			1/4"-20G	2	10
25(1")	25	90	125	32	PT 1"	19	4	28.6	142	142	187	213	42	106	16	40			1/4"-20G	2	10
32(1-1/4")	38	100	135	38	PT1/4"	19	4	31.8	178.3	178.3	225.3	227	42	106	16	55			5/16"-18G	2	10
40(2")	38	105	140	48	PT1/2"	19	4	34.9	178.3	178.3	225.3	237	42	106	16	55			5/16"-18G	2	10
50(2")	50	120	155	60	PT 2"	19	4	38.1	201.9	201.9	255.9	349	60	190	20	68			5/16"-18G	2	10
65(2-1/2")	65	140	175	76	PT2-1/2"	19	4	44.5	224	224	277	359	60	190	20	83.6	44.6		1/4"-20G	4	7
80(3")	78	150	185	89	PT 3"	19	8	47.6	276.1	276.1	333.1	373	60	190	22	83.6	44.6		1/4"-20G	4	7
100(4")	85	175	210	114	PT 4"	19	8	57.2	326	326	383	388	76	230	22	121	49		5/16"-18G	4	7



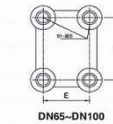
DN15-DN100
FLANGE TYPE



DN15-DN100
SOCKET & SCREW TYPE



DN15-DN50



DN65-DN100

END VIEW

DIMENSIONS TABLE

ANSI																				Unit: inch	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	T	K	E	S	S1	Working press (lb/in ²)	
				Socket	Thread				Socket	Thread	Flange										
15(1/2")	0.59	2.375	3.500	0.840	NPT1/2"	0.625	4	0.875	4.45	4.45	5.79	7.99	1.65	4.17	0.59	1.22		3/16"-24G	2	148	
20(3/4")	0.748	2.750	3.875	1.050	NPT3/4"	0.625	4	1.000	4.88	4.88	6.34	8.11	1.65	4.17	0.59	1.45		1/4"-20G	2	148	
25(1")	0.98	3.125	4.250	1.315	NPT 1"	0.625	4	1.125	5.59	5.59	7.36	8.39	1.65	4.17	0.63	1.57		1/4"-20G	2	148	
32(1-1/4")	38	3.500	4.625	1.660	NPT1/4"	0.625	4	1.125	7.02	7.02	8.87	8.94	1.65	4.17	0.63	2.16		5/16"-18G	2	148	
40(2")	38	3.875	5.000	1.900	NPT1/2"	0.625	4	1.375	7.02	7.02	8.87	9.33	1.65	4.17	0.63	2.16		5/16"-18G	2	100	
50(2")	50	4.750	6.000	2.375	NPT 2"	0.750	4	1.500	7.95	7.95	10.08	13.74	2.36	7.48	0.787	2.67		5/16"-18G	2	100	
65(2-1/2")	2.56	5.500	7.000	2.875	NPT2-1/2	0.750	4	1.750	8.82	8.82	10.87	14.13	2.36	7.48	0.787	3.29	1.75	1/4"-20G	4	100	
80(3")	3.07	6.000	7.500	3.500	NPT 3"	0.750	8	1.875	10.87	10.87	12.93	14.68	2.36	7.48	0.866	3.29	1.75	1/4"-20G	4	100	
100(4")	3.35	7.500	9.000	4.500	NPT 4"	0.750	8	2.250	12.83	12.83	15.07	15.28	2.99	9.06	0.866	4.76	1.93	5/16"-18G	4	100	

DIN																			Unit: mm	
Nominal Pipe Size	D1	D2	D3	d		e	n	P	L			H	H1	A	T	K	E	S	S1	Working press (kgf/cm ²)
				Socket	Thread				Socket	Thread	Flange									
15(1/2")	15	65	95	20	R1/2"	14	4	16.0	113	113	147	203	42	106	15	31		3/16"-24G	2	10
20(3/4")	19	75	105	25	R3/4"	14	4	18.5	124	124	161	203	42	106	15	37		1/4"-20G	2	10
25(1")	25	85	115	32	R 1"	14	4	22.0	142	142	187	218	42	106	16	40		1/4"-20G	2	10
32(1-1/4")	38	100	140	40	R1/4"	18	4	26.0	178.3	178.3	225.3	225	42	106	16	55		5/16"-18G	2	10
40(2")	38	110	150	50	R1/2"	18	4	31.0	178.3	178.3	225.3	230	42	106	16	55		5/16"-18G	2	10
50(2")	50	120	165	63	R 2"	18	4	37.5	201.9	201.9	255.9	343	60	190	20	68		5/16"-18G	2	10
65(2-1/2")	65	145	185	75	R2-1/2	18	4	43.5	224	224	277	353	60	190	20	83.6	44.6	1/4"-20G	4	7
80(3")	78	160	200	90	R 3"	18	4	51.0	276.1	276.1	333.1	366	60	190	22	83.6	44.6	1/4"-20G	4	7
100(4")	85	180	220	114	R 4"	18	8	61.0	326	326	383	383	76	230	22	121	49	5/16"-18G	4	7



PNEUMATIC ACTUATED BUTTERFLY VALVES (DOUBLE ACTION TYPE)



BM Series 雙式氣動蝶閥

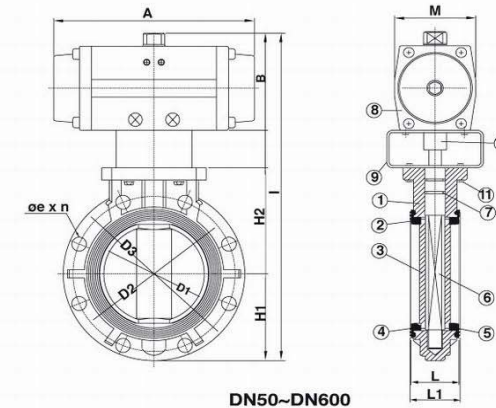
BM300
Size: 2" - 24"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, CPVC, PPG, PVDF
2	Seat	1	EPDM, VITON, NBR
3	Disc	1	UPVC, PP, CPVC, PPG, PVDF
4	Disc O'ring(A)	2	EPDM, VITON
5	Side O'ring(B)	2	EPDM, VITON
6	Stem	1	SUS410/304/316
7	Stem O'ring	2	EPDM, VITON
8	Control Actuator	1	
9	Mounting Bracker	1	SUS304
10	Coupling	1	ZINC, PLATED, CARBON STEEL

DIMENSIONS TABLE

JIS														Unit: mm	
Nom-Size DN (inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	I	M	Test Press (kgf/cm ²) Body Seal	Working Press. (kgf/cm ²)
50(2")	57	120	166	19	4	35	42	83	102	152	103	313	73	15.0	12.0
65(2 1/2")	70	140	184	19	4	37	46	92	110	152	103	330	73	15.0	12.0
80(3")	80	150	200	19	8	37	46	100	118	202	120	363	85	15.0	12.0
100(4")	102	175	230	19	8	47	56	115	134	202	120	404	85	15.0	12.0
125(5")	130	210	254	23	8	57	66	127	160	230	130	472	98	15.0	12.0
150(6")	153	240	290	23	8	62	71	145	177	271	145	507	110	15.0	12.0
200(8")	203	290	337	23	12	76	87	168	204	360	185	607	155	15.0	12.0
250(10")	255	355	400	25	12	96	111	200	235	360	185	670	176	15.0	12.0
300(12")	312	400	483	25	16	116	132	239	289	462	246	804	176	15.0	8.5
350(14")	358	445	520	25	16	116	132	259	305	462	246	884	220	15.0	8.5
400(16")	398	510	600	27	16	153	169	302	353	575	290			9.0	7.0
450(18")	451	565	640	27	20	166	181	317	365					7.5	6.0
500(20")	500	620	711	27	20	171	190	365	405					5.0	4.0
600(24")	600	730	813	33	24	191	209	425	460					5.0	4.0



DN50~DN600

DIMENSIONS TABLE

ANSI														Unit: inch	
Nom-Size DN (inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	I	M	Test Press (kgf/cm ²) Body Seal	Working Press. (lb/in ²)
50(2")	2.24	4.75	6.29	0.75	4	1.38	1.65	3.27	4.01	5.98	4.06	12.32	2.87	222	177
65(2 1/2")	2.83	5.50	7.24	0.75	4	1.46	1.81	3.62	4.33	5.98	4.06	12.99	2.87	222	177
80(3")	3.15	6.00	7.87	0.75	4	1.46	1.81	3.94	4.64	7.95	4.72	14.29	3.35	222	177
100(4")	3.03	7.50	9.06	0.75	8	1.85	2.20	4.53	5.28	7.95	4.72	15.19	3.35	222	177
125(5")	5.12	8.50	10.00	0.87	8	2.24	2.60	5.00	6.30	9.06	5.12	18.58	3.86	222	177
150(6")	6.02	9.50	11.42	0.87	8	2.44	2.80	5.71	6.97	10.67	5.71	19.96	4.33	222	177
200(8")	7.99	11.75	13.27	0.87	8	2.99	3.43	6.61	8.03	14.17	7.28	23.9	6.10	222	177
250(10")	10.00	14.25	15.75	0.98	12	3.78	4.37	7.87	9.25	14.17	7.28	26.38	6.10	222	177
300(12")	12.28	17.00	19.02	0.98	12	4.57	5.20	9.41	11.38	18.19	9.69	31.65	6.93	155	125
350(14")	14.09	18.75	20.47	1.14	12	4.57	5.20	10.20	12.01	18.19	9.69	34.8	6.93	155	125
400(16")	15.69	21.25	23.62	1.14	16	6.02	6.65	11.89	13.90	22.64	11.42	34.8	8.66	133	103
450(18")	17.75	22.75	25.20	1.26	16	6.54	7.13	12.48	14.37					111	88
500(20")	19.70	25.00	27.99	1.26	20	6.73	7.48	14.37	15.94					74	59
600(24")	23.66	29.50	32.00	1.38	20	7.52	8.23	16.73	18.11					74	59

DIN														Unit: mm	
Nom-Size DN (inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	I	M	Test Press (kgf/cm ²) Body Seal	Working Press. (kgf/cm ²)
50(2")	57	125	160	18	4	35	42	83	102	152	103	313	73	15.0	12.0
65(2 1/2")	72	145	184	18	4	37	46	92	110	152	103	330	73	15.0	12.0
80(3")	80	160	200	18	8	37	46	100	118	202	120	363	85	15.0	12.0
100(4")	100	180	230	18	8	47	56	115	134	202	120	404	85	15.0	12.0
125(5")	130	210	254	23	8	57	66	127	160	230	130	472	98	15.0	12.0
150(6")	153	240	290	23	8	62	71	145	177	271	145	507	110	15.0	12.0
200(8")	203	295	337	23	12	76	87	168	204	360	185	607	155	15.0	12.0
250(10")	255	350	400	23	12	96	111	200	235	360	185	670	155	15.0	12.0
300(12")	312	400	483	23	16	116	132	239	289	462	246	804	176	15.0	8.5
350(14")	358	460	520	23	16	116	132	259	305	462	246	884	176	15.0	8.5
400(16")	398	515	600	27	16	153	169	302	353	575	290	884	220	9.0	7.0
450(18")	451	565	640	27	20	166	181	317	365					7.5	6.0
500(20")	500	620	711	27	20	171	190	365	405					5.0	4.0
600(24")	600	725	813	30	20	191	201	425	460					5.0	4.0

※ Standard dimensions based on PVC material



PNEUMATIC ACTUATED BUTTERFLY VALVES (Spring Return Type)



BN Series 單式氣動蝶閥

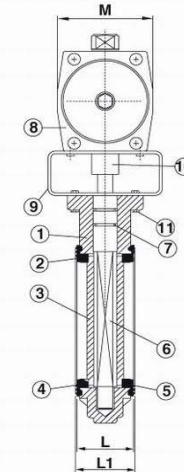
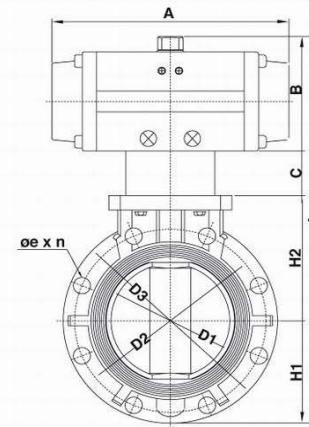
BN300
Size: 2" - 24"

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, PVDF, PPG, CPVC
2	Seat	1	EPDM, VITON, NBR
3	Disc	1	UPVC, PP, PVDF, PPG, CPVC
4	Disc O'ring(A)	2	EPDM, VITON
5	Disc O'ring(B)	2	SUS410/304/316
6	Stem	1	EPDM, VITON
7	Stem O'ring	2	EPDM, VITON
8	Actuator	1	
9	Mounting Bracket	1	SUS304
10	Coupling	1	ZINC, PLATED, CARBON STEEL

DIMENSIONS TABLE

JIS														Unit: mm	
Nom. Size DN(inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	I	M	Test Press (kgf/cm ²) Body Seat	Working Press (kgf/cm ²)
50(2")	57	120	166	19	4	35	42	83	102	202	120	313	85	15.0 12.0	10.0
65(2 1/2")	70	140	184	19	4	37	46	92	110	202	120	330	85	15.0 12.0	10.0
80(3")	80	150	200	19	8	37	46	100	118	230	130	363	98	15.0 12.0	10.0
100(4")	102	175	230	19	8	47	56	115	134	230	130	404	98	15.0 12.0	10.0
125(5")	130	210	254	23	8	57	66	127	160	271	145	472	110	15.0 12.0	10.0
150(6")	153	240	290	23	8	62	71	145	177	271	145	507	110	15.0 12.0	10.0
200(8")	203	290	337	23	12	76	87	168	204	462	246	607	176	15.0 12.0	10.0
250(10")	255	355	400	25	12	96	111	200	235	462	246	670	176	15.0 12.0	10.0
300(12")	312	400	483	25	16	116	132	239	289	575	290	804	220	15.0 8.5	7.0
350(14")	358	445	520	25	16	116	132	259	305	575	290	884	220	15.0 8.5	7.0
400(16")	398	510	600	27	16	153	169	302	353				9.0	7.0	6.0
450(18")	451	565	640	27	20	166	181	317	365				7.5	6.0	5.0
500(20")	500	620	711	27	20	171	190	365	405				5.0	4.0	3.5
600(24")	600	730	813	33	24	191	209	425	460				5.0	4.0	3.5



DN50~DN600

DIMENSIONS TABLE

ANSI														Unit: Inch	
Nom. Size DN(inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	I	M	Test Press (16/in ²) Body Seat	Working Press (lb/in ²)
50(2")	2.24	4.75	6.29	0.75	4	1.38	1.65	3.27	4.01	7.95	4.72	12.32	3.35	222 177	150
65(2 1/2")	2.83	5.50	7.24	0.75	4	1.46	1.81	3.62	4.33	7.95	4.72	12.99	3.35	222 177	150
80(3")	3.15	6.00	7.87	0.75	4	1.46	1.81	3.94	4.64	9.06	5.12	14.29	3.86	222 177	150
100(4")	3.93	7.50	9.06	0.75	8	1.85	2.20	4.53	5.28	9.06	5.12	15.19	3.86	222 177	150
125(5")	5.12	8.50	10.00	0.87	8	2.24	2.60	5.00	6.30	10.67	5.71	18.58	4.33	222 177	150
150(6")	6.02	9.50	11.42	0.87	8	2.44	2.80	5.71	6.97	10.67	5.71	19.96	4.33	222 177	150
200(8")	7.99	11.75	13.27	0.87	8	2.99	3.43	6.61	8.03	18.19	9.69	23.9	6.93	222 177	150
250(10")	10.00	14.25	15.75	0.98	12	3.78	4.37	7.87	9.25	18.19	9.69	26.38	6.93	222 177	150
300(12")	12.28	17.00	19.02	0.98	12	4.57	5.20	9.41	11.38	22.64	11.42	31.65	8.66	155 125	105
350(14")	14.09	18.75	20.47	1.14	12	4.57	5.20	10.20	12.01	22.64	11.42	34.8	8.66	155 125	105
400(16")	15.69	21.25	23.62	1.14	16	6.02	6.65	11.89	13.90					133 103	88
450(18")	17.75	22.75	25.20	1.26	16	6.54	7.13	12.48	14.37					111 88	74
500(20")	19.70	25.00	27.99	1.26	20	6.73	7.48	14.37	15.94					74 59	52
600(24")	23.66	29.50	32.00	1.38	20	7.52	8.23	16.73	18.11					74 59	52

DIN														Unit: mm	
Nom. Size DN(inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	A	B	I	M	Test Press (kgf/cm ²) Body Seat	Working Press (kgf/cm ²)
50(2")	57	125	160	18	4	35	42	83	102	202	120	313	85	15.0 12.0	10.0
65(2 1/2")	72	145	184	18	4	37	46	92	110	202	120	330	85	15.0 12.0	10.0
80(3")	80	160	200	18	8	37	46	100	118	230	130	363	98	15.0 12.0	10.0
100(4")	100	180	230	18	8	47	56	115	134	230	130	404	98	15.0 12.0	10.0
125(5")	130	210	254	18	8	57	66	127	160	271	145	472	110	15.0 12.0	10.0
150(6")	153	240	290	23	8	62	71	145	177	271	145	507	110	15.0 12.0	10.0
200(8")	203	290	337	23	12	76	87	168	204	462	246	607	176	15.0 12.0	10.0
250(10")	255	355	400	25	12	96	111	200	235	462	246	670	176	15.0 12.0	10.0
300(12")	312	400	483	25	16	116	132	239	289	575	290	804	220	15.0 8.5	7.0
350(14")	358	445	520	25	16	116	132	259	305	575	290	884	220	15.0 8.5	7.0
400(16")	398	510	600	27	16	153	169	302	353				9.0	7.0	6.0
450(18")	451	565	640	27	20	166	181	317	365				7.5	6.0	5.0
500(20")	500	620	711	27	20	171	190	365	405				5.0	4.0	3.5
600(24")	600	725	813	30	20	191	209	425	460				5.0	4.0	3.5

* Standard dimensions based on PVC material



BATTERFLY VALVE (ELECTRIC ACTUATED TYPE)



BP Series

旋轉凡而 (電動式)

BP300

Size: 2"- 14"

產品特性:

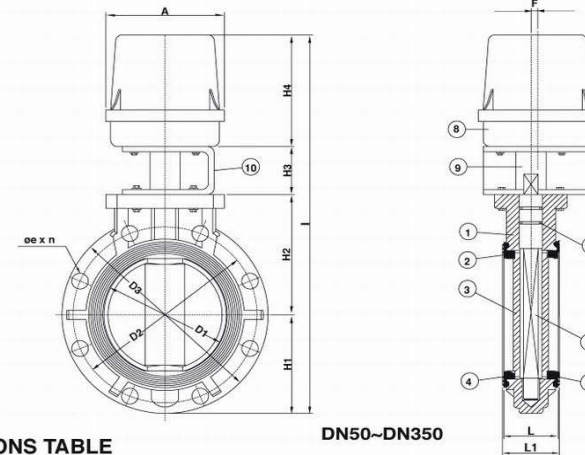
- 1.馬力小，用電省，扭力大，控制角度到達自動切斷電源，保持在不用電的狀態，節約能源，降低成本。符合電壓 AC100V,200V 單向，AV200V,380V,440，三相，可供應。
- 2.協羽旋轉凡而，設計簡單、質輕、堅固適用於空間有限，維修其短之場合。旋轉90即全開、全關，適用於調節流量，易磨損或黏稠性之流體，及抗酸、耐。
- 3.開合速度平穩，能消除管內水槌，增加管內壽命。馬達裝有溫度保護開關凡而有異物卡住，馬達易不會燒毀。
- 4.機種多，可任選擇，有不附手動型或有附手動型，再停電時，可用手動操作開關。裝配附件少，只有一條電線即能完成自動控制，為你節省人力、物力、財力支出達到自動化目的。

Features of the Product:

- 1.Low horse power,low power consumption,big torsion power can be cut off automatically when control angle has been reached. It maintains at the condition of no power consumption to save energy and to reduce cost. for conforming to AC110V/220V single phase, AV 220V/380V/440V/3 phase power supply.
- 2.they are simple lightweight and compact, and are ideal for use where otherspace is limited or ser vice and maintenance must be performed quickly.Because they require only 90 to fully open or close. Shie Yu Butterfly Valves are easily automated and are widely used as efficient throttling or flow regulating valves. Additionally,they are excellent for handling abrasive or slurt-type fluids. Of course, they are acid & alkali proof and anti-corrosion.
- 3.Starting speed is very stable and moisture in the pipeline can be expelled so that the service life of the pipe is increasing. The motor is equipped with temperature Protection switching valve to enable it not to be burnt out even seized with ubst-ance.
- 4.Various models are available for the choice of the customers Manual control model and non-manual control model are also workable Upon power outage,it can be switched manually. It is simple design with less fitting accessories,So, One electric wire can complete automatic control in order to save work manship,materials,and money for the customers to attain thegoal for automation.

MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC,PP,PVDF,CPVC,PPG	6	Stem	1	SUS410/304/316
2	Seat	1	EPDM,VITON,NBR	7	Stem O'ring	2	EPDM,VITON
3	Disc	1	UPVC,PP,PVDF,CPVC,PPG	8	Electric Actuator	1	
4	Disc O'ring(A)	2	EPDM,VITON	9	Mounting Bracket	1	SUS304
5	Disc O'ring(B)	2	EPDM,VITON	10	Coupling	1	ZINC PLATED, CARBON STEEL



DN50~DN350

DIMENSIONS TABLE

JIS																		Unit: mm	
Nom. Size DN(inch)	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	H3	H4	I	A	F	Test Press (kgf/cm ²)	Working Press (kgf/cm ²)	Allowed Voltage (W/A)		
															Body	Seat			
50(2")	57	120	160	19	4	35	42	83	102	61	145	391	150	28	15.0	12.0	10.0		
65(2 1/2")	70	140	184	19	4	37	46	92	110	61	145	408	150	28	15.0	12.0	10.0		
80(3")	80	150	200	19	8	37	46	100	118	61	145	424	150	28	15.0	12.0	10.0		
100(4")	102	175	230	19	8	47	56	115	134	61	145	455	150	28	15.0	12.0	10.0		
125(5")	130	210	254	23	8	57	66	127	160	61	145	493	150	28	15.0	12.0	10.0		
150(6")	153	240	290	23	8	62	71	145	177	71	200	593	190	23	15.0	12.0	10.0		
200(8")	203	290	337	23	12	76	87	168	204	71	200	643	190	23	15.0	12.0	10.0		
250(10")	255	355	400	25	12	96	111	200	235	71	200	706	190	23	15.0	12.0	10.0		
300(12")	312	400	483	25	16	116	132	239	289	71	200	799	190	23	10.5	8.5	7.0		
350(14")	358	445	520	25	16	116	132	259	305	71	200	835	190	23	10.5	8.5	7.0		

Nom. Size DN(Inch)	ANSI																Unit: Inch	
	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	H3	H4	I	A	F	Test Press (kgf/cm ²)		Working Press (lb/in ²)	Allowed Voltage (W/A)
															Body	Seat		
50(2")	2.24	4.75	6.54	0.75	4	1.38	1.65	3.27	4.01	2.36	5.71	15.39	5.91	1.10	222	177	150	110/220
65(2 1/2")	2.83	5.50	7.24	0.75	4	1.46	1.81	3.62	4.33	2.36	5.71	16.06	5.91	1.10	222	177	150	110/220
80(3")	3.15	6.00	7.87	0.75	4	1.46	1.81	3.94	4.64	2.36	5.71	16.69	5.91	1.10	222	177	150	110/220
100(4")	3.93	7.50	9.06	0.75	8	1.85	2.20	4.53	5.28	2.36	5.71	17.91	5.91	1.10	222	177	150	110/220
125(5")	5.12	8.50	10.00	0.87	8	2.24	2.60	5.00	6.30	2.36	5.71	19.41	5.91	1.10	222	177	150	110/220
150(6")	6.02	9.50	11.42	0.87	8	2.44	2.80	5.71	6.97	2.80	7.87	23.35	7.48	0.91	222	177	150	110/220
200(8")	7.99	11.75	13.27	0.87	8	2.99	3.43	6.61	8.03	2.80	7.87	35.31	7.48	0.91	222	177	150	110/220
250(10")	10.00	14.25	15.75	0.98	12	3.78	4.37	7.87	9.25	2.80	7.87	27.79	7.48	0.91	222	177	150	110/220
300(12")	12.28	17.00	19.02	0.98	12	4.57	5.20	9.41	11.38	2.80	7.87	31.46	7.48	0.91	155	125	105	110/220
350(14")	14.09	18.75	20.47	1.14	12	4.57	5.20	10.20	12.01	2.80	7.87	32.87	7.48	0.91	155	125	105	110/220

Nom. Size DN(Inch)	DIN																Unit: mm	
	D1	D2	D3	e	n No. of holes	L	L1	H1	H2	H3	H4	I	A	F	Test Press (kgf/cm ²) Body	Working Press (kgf/cm ²) Seat	Allowed Voltage (W/A)	
50(2")	57	125	160	18	4	35	42	83	102	61	145	391	150	28	15.0	12.0	10.0/220	
65(2 1/2")	72	140	184	18	4	37	46	92	110	61	145	408	150	28	15.0	12.0	10.0/220	
80(3")	80	150	200	18	8	37	46	100	118	61	145	424	150	28	15.0	12.0	10.0/220	
100(4")	100	175	230	18	8	47	56	115	134	61	145	455	150	28	15.0	12.0	10.0/220	
125(5")	130	210	254	18	8	57	66	127	160	61	145	493	150	28	15.0	12.0	10.0/220	
150(6")	153	240	290	23	8	62	71	145	177	71	200	593	190	23	15.0	12.0	10.0/220	
200(8")	203	290	337	23	8	76	87	168	204	71	200	643	190	23	15.0	12.0	10.0/220	
250(10")	255	355	400	23	12	96	111	200	235	71	200	706	190	23	15.0	12.0	10.0/220	
300(12")	312	400	483	23	12	116	132	239	289	71	200	799	190	23	10.5	8.5	7.0/220	
350(14")	358	460	520	23	16	116	132	259	305	71	200	835	190	23	10.5	8.5	7.0/220	

※Standard dimensions based on PVC material



Other Products

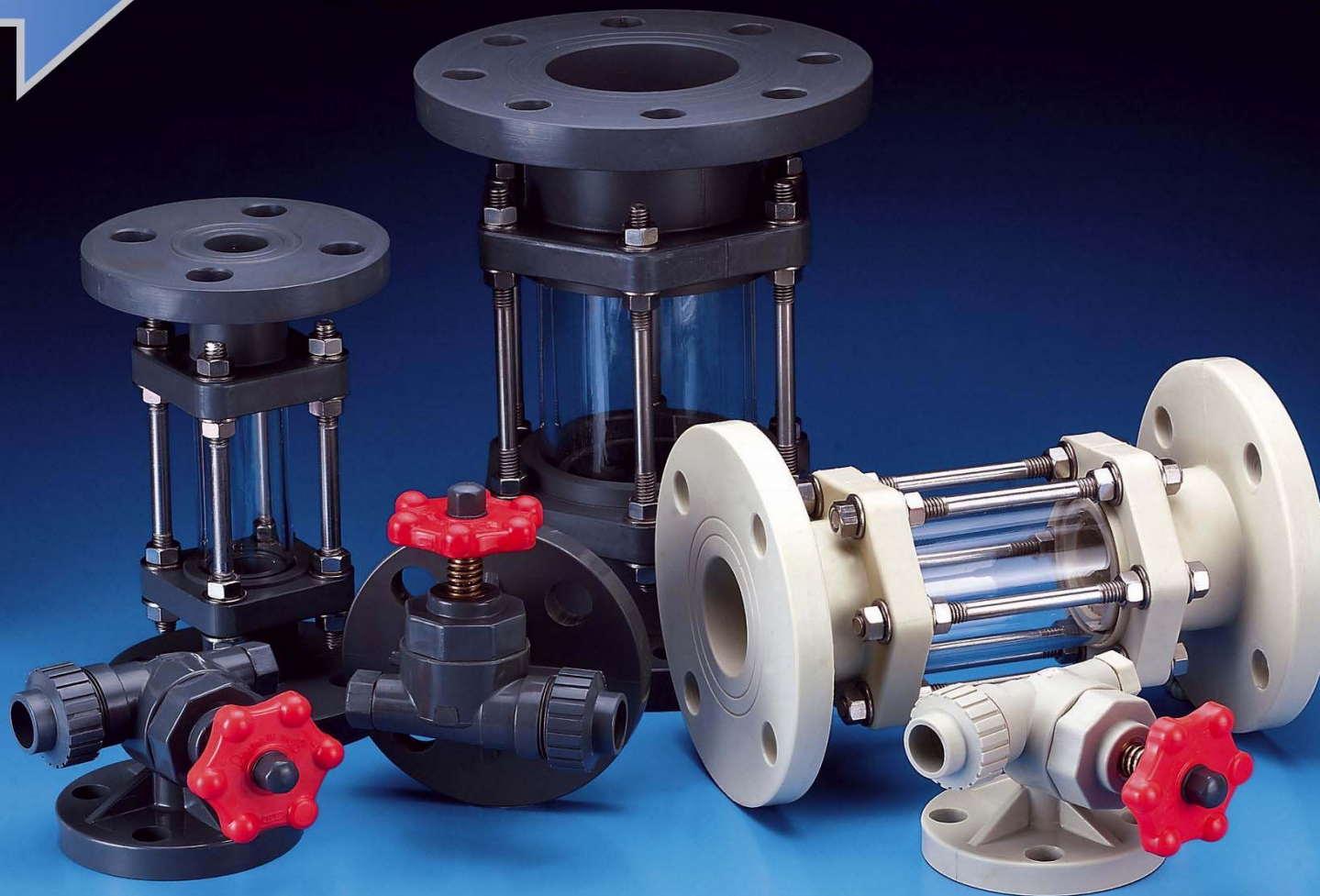
其他產品 系列

● Material: UPVC, PP, PPG, CPVC, PVDF

● Size: 1/2"~10"

● 材質：UPVC, PP, PPG, CPVC, PVDF

● 尺寸：1/2"~10"



Hi-Tech'S, Hi-Qualitly'S



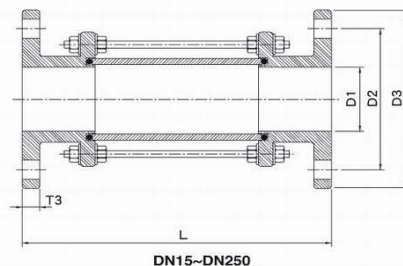
INSPECTION GLASS



El Series

液面計

El300
Size: 1/2" - 10"



Materials	UPVC, PP, CPVC, PVDF
SIZE	1/2", 3/4", 1", 1-1/4", 2", 2-1/2", 3", 4", 5", 6", 8", 10"
PRESSURE	WORKING: SIZE 1/2"~1" =10kg/cm, SIZE 1-1/4"~2" =6kg/cm, SIZE 2-1/2"~10" =4kg/cm
END CONNECTIONS	Flange ends in JIS 10K; ANSI/BS STANDARD
WORKING TEMP	UPVC: 0°~60°C, PP: -20°C~90°C, PPG: -20°C~100°C, PVDF: -40°C~120°C
FEATURES	Can be mounted horizontally or vertically internal device induces visible turbulence with minimum flow restriction

DIMENSIONS TABLE

Nom Size m/m(nich)	D1	JIS	D2				D3			L	T
			DIN	ANSI	BS	JIS	DIN	ANSI	BS		
16(1/2")	16	70	65	2.38	2.62	95	95	3.50	3.75	176	12
20(3/4")	20	75	75	2.76	2.88	100	105	3.86	4.00	174	14
25(1")	25	90	85	3.13	3.25	125	115	4.25	4.50	222	16
30(1-1/4")	30	100	100	3.50	3.43	135	135	4.61	4.75	222	18
40(1-1/2")	40	105	110	3.88	3.88	140	150	5.00	5.25	224	18
50(2")	50	120	125	4.74	4.50	155	165	5.98	6.00	218	17
65(2-1/2")	65	140	145	5.89	5.00	175	185	7.00	6.50	240	18
80(3")	80	150	160	6.00	5.75	185	200	7.52	7.25	238	18
100(4")	100	175	180	7.50	7.00	210	220	9.02	8.50	274	20
125(5")	125	210	210	8.50	8.25	250	250	10.00	10.00	275	20
150(6")	150	240	240	9.51	9.25	280	285	10.98	11.00	386	20
200(8")	200	290	295	11.75	11.50	330	340	13.50	13.25	420	25
250(10")	250	355	350	14.25	14.00	400	395	15.98	16.00	445	28



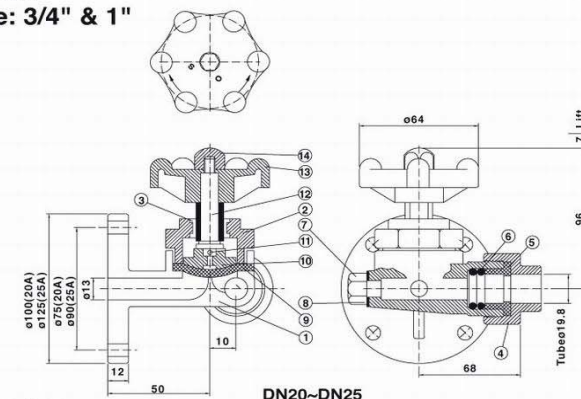
GAUGE VALVE



EG Series

水位計凡而

EG300
Size: 3/4" & 1"



MATERIALS OF CONSTRUCTION

No.	Parts	Pcs.	Materials	No.	Parts	Pcs.	Materials
1	Body	1	UPVC, PP, PPG, PVDF	8	Leaking Hole O'ring	1	EPDM, VITON
2	Bonnet	1	UPVC, PP, PPG, PVDF	9	Diaphragm	1	EPDM, VITON
3	Inserted Metal Of Bonnet	1	BRASS	10	Compressor	1	BRASS
4	Tube Holder	1	UPVC, PP, PPG, PVDF	11	Set Pin	2	SUS304
5	O'ring Holder	1	UPVC, PP, PPG, PVDF	12	Stem	1	BRASS
6	Tube O'ring	2	EPDM, VITON	13	Handle	1	ABS
7	Leaking Hole Holder	1	UPVC, PP, PPG, PVDF	14	Handle Holder	1	UPVC

Flange Size	Nominal Size	Outer diameter of tube
20A-3/4"	14 m/m	18 m/m
25A-1"	14 m/m	18 m/m

※ Standard dimensions based on PVC material



Flange

法蘭 系列

Hi -Tech'S, Hi-Qualitly'S

- Material: UPVC, PP, CPVC, PVDF
- Size: 1/2"~24"
- 材質 : UPVC, PP, CPVC, PVDF
- 尺寸 : 1/2"~24"



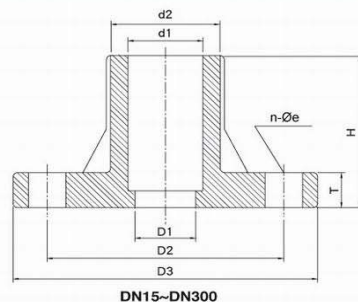


TS FLANGE ONE PIECE FLANGE



TS Series TS 法蘭 UPVC&CPVC

FT100
Size: 1/2" - 12"
UPVC & CPVC
TS-FLANGE



● DIMENSIONS TABLE

Size	d1		d2		D1		D2		D3		H		T		n		oe	
DN(Inch)	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS	ANSI	JIS
15-1/2"	21.64	22.4	29	31	18	17	60.33	70	88.9	95	48	36	12	15	4	4	15.88	15
20-3/4"	26.97	26.45	33	35	22	21	69.85	75	98.43	100	49	43	14	15	4	4	15.88	15
25-1"	33.78	32.55	40	42	28	25	79.38	90	107.95	125	50	46	14	15	4	4	15.88	19
25-1"	33.78	34.55	40	42	28	28	79.38	90	107.95	125	50	46	14	15	4	4	15.88	19
32-1 1/4"	42.55	38.6	51	48	35	31	88.9	100	117.5	135	54	50	16	16	4	4	15.88	19
34-1 1/4"	-	42.6	-	48	-	35	-	100	-	135	-	50	-	16	-	4	-	19
40-1-1/2"	48.72	48.7	61	62	41	41	98.43	105	127	140	65	60	16	16	4	4	15.88	19
50-2"	60.78	60.8	78	73	52	51	120.65	120	152.4	155	74	69	16	20	4	4	19.05	19
65-2-1/2"	73.56	76.6	92	88	67	66	139.7	140	177.8	175	82	69	18	20	4	4	19.05	19
80-3"	89.51	89.6	103	102	78	78	152.4	150	190.5	185	81	69	18	20	4	8	19.05	19
100-4"	114.99	114.7	132	133	100	100	190.5	175	228.6	210	92	90	18	23	8	8	19.05	19
125-5"	142.06	140.85	162	159	125	126	216	210	254	250	130	112	20	23	8	8	22.23	23
150-6"	169.09	166.0	192	186	150	146	241	240	279	280	165	141	20	27	8	8	22.23	23
200-8"	219.07	218.0	238	238	194	194	298	290	343	330	166	166	29	31	8	12	22.23	23
250-10"	-	268.0	-	290	-	247	-	355	-	400	-	200	-	33	-	12	-	25
300-12"	-	319.0	-	342	-	298	-	400	-	445	-	203	-	35	-	16	-	25

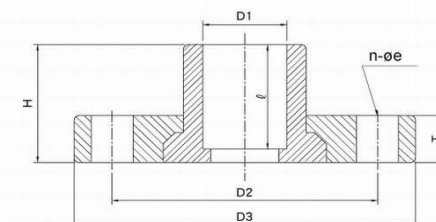


VAN STONE FLANGE



VS Series 二片式法蘭 UPVC&CPVC

VS100
Size: 1/2" - 24"
UPVC & CPVC
VAN STONE FLANGE
150 PS1/SCH 80



● DIMENSIONS TABLE

Nom. Size DN(Inch)	D1	D2	D3	H	T	l	n	Ø
15(1/2")	1-1/32	2-3/8	3-1/2	1.0	1/2	2-1/32	4	9/16
20(3/4")	1-7/18	2-3/4	3-7/8	1-1/8	17/32	1-7/32	4	9/16
25(1")	1-3/4	3-1/8	4-1/4	1-9/32	21/32	1-9/32	4	19/32
32(1-1/4")	2-3/32	3-1/2	4-5/8	1-13/32	21/32	2-3/32	4	1/2
40(1-1/2")	2-3/8	3-7/8	4-31/32	1-1/2	23/32	3/4	4	5/6
50(2")	2-7/8	4-3/4	6.0	1-21/32	3/4	2-5/32	4	5/6
65(2-1/2")	3-19/32	5-1/2	6-31/32	1-21/32	15/16	1-3/8	4	5/6
80(3")	4-7/32	6.0	7-1/2	2-1/2	1.0	1-13/32	4	23/32
100(4")	5-1/4	7-1/2	9.0	2-1/2	13/32	1-13/32	8	23/32
150(6")	7-9/16	9-1/2	11-3/18	3-9/32	11/4	2-1/2	8	7/8
200(8")	9-3/8	11-3/4	13-1/2	4-5/8	1-13/32	3-1/8	8	7/8
250(10")	11-3/4	14-1/4	16.0	5-29/32	1-21/32	4-27/32	12	15/16
300(12")	13-11/16	17.0	18-15/18	7-17/32	1-21/32	6-1/2	12	1.0
350(14")	14-9/16	18-3/4	20-31/32	-	1-1/8	-	12	1-1/16
▲ 400(16")	16-9/16	21-1/4	23-1/2	-	1-1/8	-	16	1-1/8
▲ 450(18")	18-1/2	22-9/16	25	-	1-1/8	-	16	1-1/4
▲ 500(20")	20-1/2	25	27-1/2	-	1-1/8	-	20	1-1/4
▲ 600(24")	24-13/16	29-1/2	32	-	1-1/8	-	20	1-3/8

▲ 為手工製品 The ones with ▲ mark are the fabricated type



WELDING FLANGE BLIND FLANGE

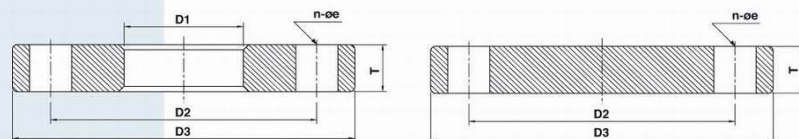


FW Series 焊接法蘭 盲法蘭

FW100(WELDING FLANGE) / FB100(BLIND FLANGE)

Size: 1/2"- 24"

UPVC, PP, CPVC, PVDF



DIMENSIONS TABLE

Non Size m/m(inch)	D1			D2			D3			T	e			n		
	JIS	ANSI	DIN	JIS	ANSI	DIN	JIS	ANSI	DIN		JIS	ANSI	DIN	JIS	ANSI	DIN
15(1/2")	22±1	22±0.4	20±1	70±0.5	60±0.5	65	95±1	89±1	95	16±1	15	16	14	4	4	4
20(3/4")	26±1	26±0.4	25±1	75±0.5	70±0.5	75	100±1	98±1	105	14±1	15	16	14	4	4	4
25(1")	32±1	34±0.4	32±1	90±0.5	79±0.5	85	125±1	108±1	115	18±1	19	16	14	4	4	4
32(1-1/4")	38±1	42±0.4	40±1	100±0.5	89±0.5	100	135±1	117±1	140	18±1	19	16	18	4	4	4
40(1-1/2")	48±1	48±0.4	50±1	105±0.5	98±0.5	110	140±1	127±1	150	19±1	19	16	18	4	4	4
50(2")	60±1	60±0.6	63±2	120±1.5	121±1.5	125	155±1	152±1	165	19±1	19	19	18	4	4	4
65(2-1/2")	76±1	76±0.6	75±2	140±1	140±1	145	175±1.5	178±1.5	185	19±1	19	19	18	4	4	4
80(3")	89±1	89±0.6	90±1	150±1	152±1	160	185±1.5	191±1.5	200	23±1	19	19	18	8	4	8
100(4")	114±1	114±0.6	110±1	175±1	191±1	180	210±1.5	229±1.5	220	23±1	19	19	18	8	8	8
125(5")	140±1.5	140±0.6	140±1.5	210±1.25	216±1.25	210	250±1.5	254±1.5	250	23±1	23	22	18	8	8	8
150(6")	165±1.5	165±1	160±1.5	240±1.25	214±1.25	240	280±1.5	279±1.5	285	23±1	23	22	23	8	8	8
200(8")	216±1.5	216±2	200±1.5	290±1.25	298±1.25	295	330±1.5	343±1.5	340	23±1	23	22	23	12	8	8
250(10")	267±1.5	267±3	250±1.5	355±1.25	362±1.25	350	400±2	406±2	395	21±1	25	25	23	12	12	12
300(12")	318±2	318±3	315±2	400±1.25	432±1.25	400	445±2	483±2	445	21±1	25	25	26	16	12	12
350(14")	370±2	370±3	355±2	445±1.25	476±1.25	460	490±2	533±2	505	28±2	25	29	26	16	12	16
400(16")	420±2	420±3.5	400±2	510±1.25	540±1.5	515	560±2	597±2	565	28±2	27	29	26	16	16	16
450(18")	470±2	470±3.5	450±2	565±1.5	578±1.5	565	620±2	635±2	620	28±2	27	32	28	20	16	20
500(20")	520±2	520±3.5	500±2	620±1.5	635±1.5	620	675±2	699±2	670	28±2	27	32	28	20	20	20
600(24")	630±2	630±3.5	630±2	730±1.5	749±1.5	725	795±2	813±2	780	28±2	33	35	28	24	20	20



SCREW FLANGE

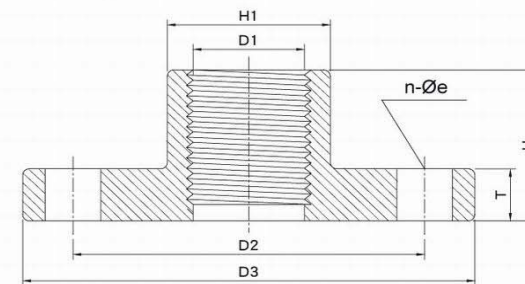


FS Series 牙口法蘭

FS200

Size: 1/2"- 4"

UPVC, PP, CPVC, PVDF



DN15~DN100

DIMENSIONS TABLE

Non Size m/m(inch)	D1			D2			D3			T	H	H1	e			n		
	JIS	ANSI	DIN	JIS	ANSI	DIN	JIS	ANSI	DIN				JIS	ANSI	DIN	JIS	ANSI	DIN
15(1/2")	PT-1/2"	NPT	R1/2"	70±0.5	60±0.5	65	95±1	89±1	95	12±1	19	35	15	16	14	4	4	4
20(3/4")	PT3/4"	NPT	R3/4"	75±0.5	70±0.5	75	100±1	98±1	105	14±1	22	44	15	16	14	4	4	4
25(1")	PT1"	NPT	R1"	90±0.5	79±0.5	85	125±1	108±1	115	14±1	22	52	19	16	14	4	4	4
32(1-1/4")	PT1-1/4"	NPT	R1-1/4"	100±0.5	89±0.5	100	135±1	117±1	140	14±1	23	56	19	16	18	4	4	4
40(1-1/2")	PT1-1/2"	NPT	R1-1/2"	105±0.5	98±0.5	110	140±1	127±1	150	16±1	23	66	19	16	18	4	4	4
50(2")	PT2"	NPT	R2"	120±0.5	121±0.5	125	155±1	152±1	165	16±1	26	84	19	19	18	4	4	4
65(2-1/2")	PT2-1/2"	NPT	R2-1/2"	140±1	140±1	145	175±1.5	178±1.5	185	16±1	28	105	19	19	18	4	4	4
80(3")	PT3"	NPT	R3"	150±1	152±1	160	185±1.5	191±1.5	200	18±1	30	118	19	19	18	8	4	8
100(4")	PT4"	NPT	R4"	170±1	191±1	180	210±1.5	229±1.5	220	18±1	33	140	19	19	18	8	8	8



Gasket

緊迫 系列

Hi -Tech'S, Hi-Qualitly'S

- Material: EPDM, PTFE, VITON
- Size: 1/2"~24"
- 材質 : EPDM, PTFE, VITON
- 尺寸 : 1/2"~24"





GASKET



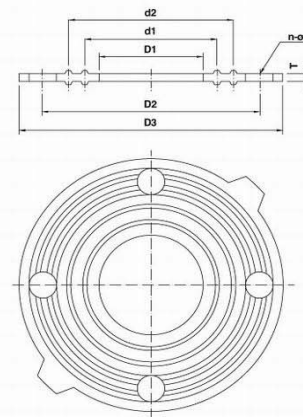
FG Series

迫緊

FG100
Size: 1/2" - 24"

● MATERIALS: EPDM, PTFE, VITON

JIS																Unit:mm	
Nom Size m/m(inch)	D1	D2	D3	d1	d2	n	e	T	Nom Size m/m(inch)	D1	D2	D3	d1	d2	n	e	T
15(1/2")	18	70	93	26	41	4	15	3	150(6")	150	240	278	168	190	8	23	3
20(3/4")	22	75	98	32	47	4	15	3	200(8")	198	290	328	216	248	12	23	3
25(1")	28	90	123	38	53	4	19	3	250(10")	250	355	398	270	306	12	25	3
32(1-1/4")	37	100	133	50	65	4	19	3	300(12")	300	400	443	324	35	16	25	3
40(1-1/2")	41	105	138	54	69	4	19	3	350(14")	350	445	488	368	390	16	25	3
50(2")	54	120	153	68	83	4	19	3	400(16")	404	510	558	433	455	16	27	3
65(2-1/2")	69	140	173	86	101	4	19	3	450(18")	470	550	620	485	508	20	27	3
80(3")	80	150	183	98	113	8	19	3	500(20")	520	620	675	550	575	20	27	3
100(4")	102	175	208	120	138	8	19	3	600(24")	630	730	795	650	675	24	33	3
125(5")	127	210	248	145	168	8	23	3									



● MATERIALS: EPDM, PTFE, VITON

ANSI																Unit:inch	
Nom Size m/m(inch)	D1	D2	D3	d1	d2	n	e	T	Nom Size m/m(inch)	D1	D2	D3	d1	d2	n	e	T
15(1/2")	18	60.33	86.90	25	37	4	15.8	3	150(6")	152	241.30	277.40	172	198	8	22.2	3
20(3/4")	22	69.85	96.43	31	43	4	15.8	3	200(8")	204	298.45	340.90	225	255	8	22.2	3
25(1")	30	79.38	105.95	40	53	4	15.8	3	250(10")	254	361.95	404.40	275	305	8	25.4	3
32(1-1/4")	40	88.90	117.48	52	65	4	15.8	3	300(12")	304	431.80	480.60	325	355	12	25.4	3
40(1-1/2")	43	98.43	125.00	545	70	4	15.8	3	350(14")	354	476.25	531.40	375	405	12	28.5	3
50(2")	54	120.65	150.40	70	84	4	19	3	400(16")	404	539.75	594.90	425	455	12	28.5	3
65(2-1/2")	69	139.70	175.80	86	102	4	19	3	450(18")	470	575.00	635.00	500	525	16	32	3
80(3")	82	152.40	188.50	100	114	4	19	3	500(20")	520	635.00	699.00	550	575	20	32	3
100(4")	102	190.50	226.60	126	147	4	19	3	600(24")	630	749.00	813.00	650	680	20	35	3
125(5")	127	215.90	252.00	149	171	8	22.2	3									

DIN																Unit:mm	
Nom Size m/m(inch)	D1	D2	D3	d1	d2	n	e	T	Nom Size m/m(inch)	D1	D2	D3	d1	d2	n	e	T
15(1/2")	18	65	93	26	41	4	14	3	150(6")	150	240	283	168	190	8	23	3
20(3/4")	22	75	103	32	47	4	14	3	200(8")	198	290	338	216	247	8	23	3
25(1")	30	85	113	38	53	4	14	3	250(10")	250	355	393	270	306	12	23	3
32(1-1/4")	40	100	133	50	65	4	18	3	300(12")	300	400	443	324	335	12	23	3
40(1-1/2")	43	110	148	54	69	4	18	3	350(14")	350	445	503	370	390	16	25	3
50(2")	54	125	163	68	83	4	18	3	400(16")	404	510	556	433	453	16	27	3
65(2-1/2")	69	145	183	86	101	4	18	3	450(18")	450	565	620	481	506	20	28	3
80(3")	80	160	198	98	112	8	18	3	500(20")	500	620	670	533	559	20	28	3
100(4")	102	175	218	120	138	8	18	3	600(24")	630	725	780	651	676	20	28	3
125(5")	127	210	248	145	166	8	18	3									