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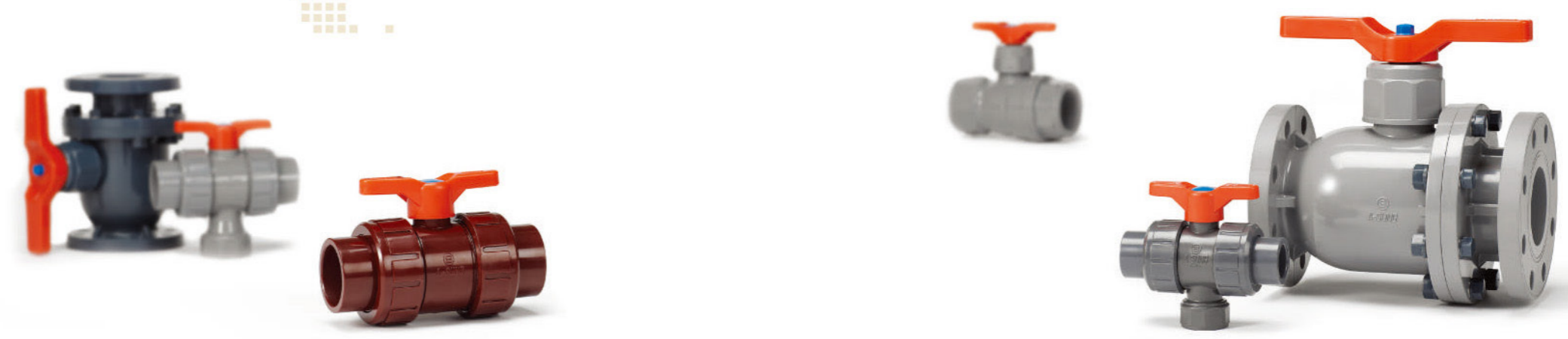
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Clean PVC

Piping System

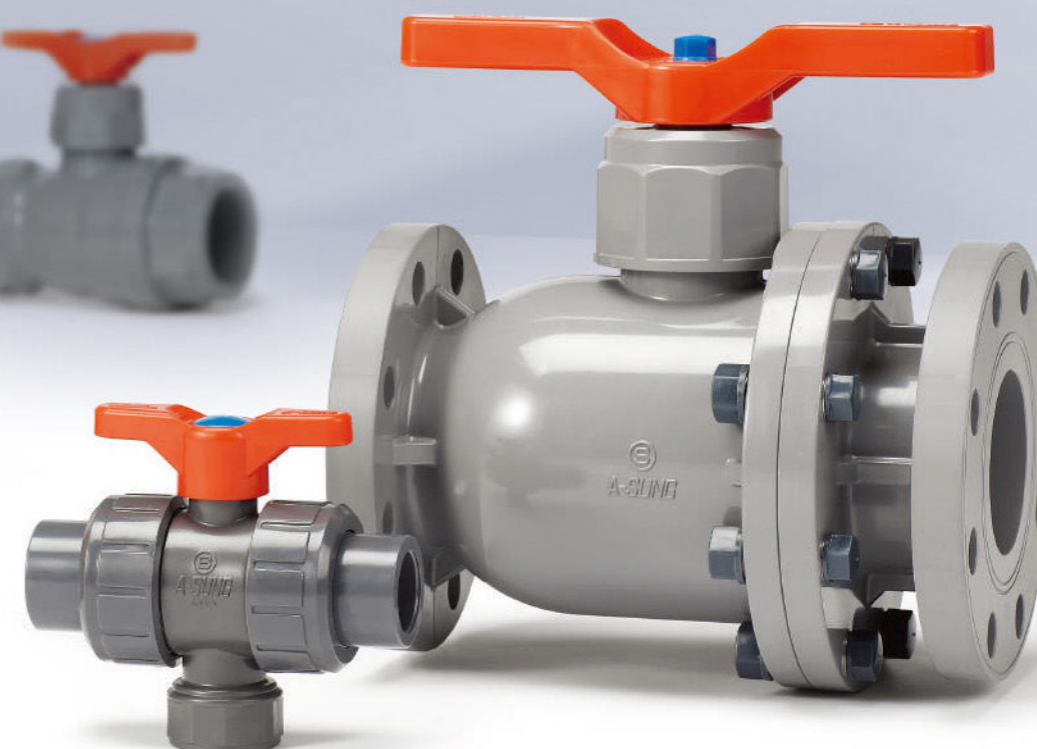


' Beyond Flow Control '


CLEANFLOW™
Korea's Best

Ball Valves

Thermo Plastic Valves



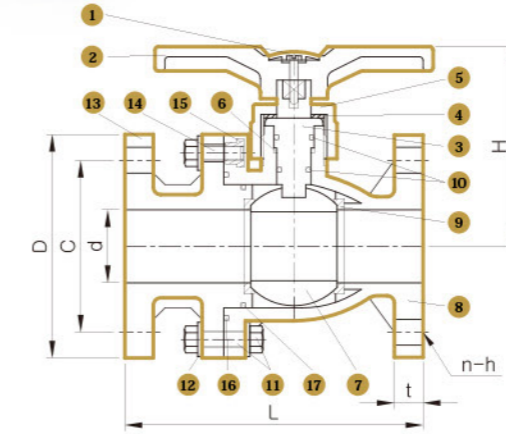
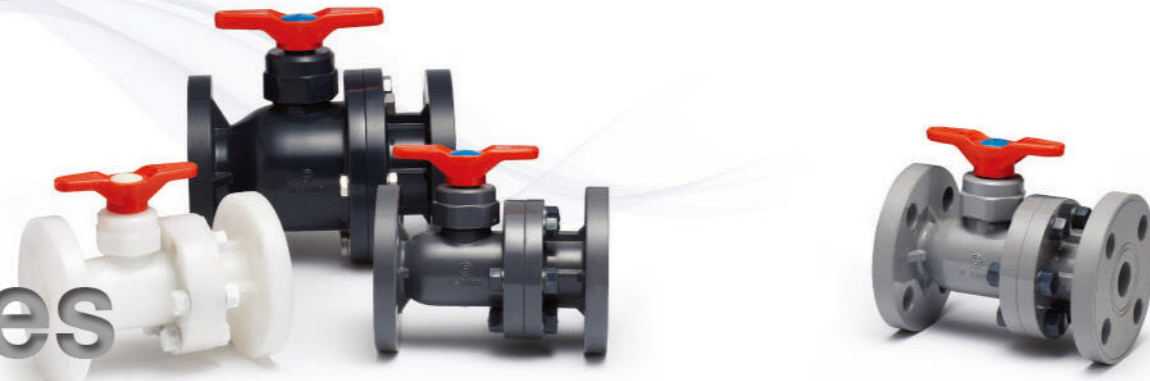
Ball Valves

Flange Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 150mm, ½" - 6"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seals (Seat) : PTFE
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
- JIS 10kgf/cm² Flanged

Special Features

- Full Bore Type
- Excellent Durability and Simple Operation
- Bidirectional Flow Control Available
- Double O-RING mount on Stem Secures Air Tightness
- Built-in PTFE Seal
- Actuator Installation Capable after Bracket Mount



NO	PARTS	MATERIALS
1	HANDLE CAP BOLT	SS41 (ABS COATED)
2	HANDLE	PP
3	STEM	PP/PVDF/PVC/CPVC
4	STEM WASHER	PP
5	GLAND CAP	PP/PVDF/PVC/CPVC
6	STEM RING	PE PTFE
7	BALL	PP/PVDF/PVC/CPVC
8	BODY	PP/PVDF/PVC/CPVC
9	NIP SEAL	PTFE
10	STEM O-RING	EPDM FPM
11	BOLT & NUT	SS41 (PP COATED)
12	WASHER	SUS 304
13	FLANGE	PP/PVDF/PVC/CPVC
14	STUD BOLT	SS41 (PLATING : Zn) N/A
15	INSERTED NUT	BC N/A
16	BODY O-RING	EPDM FPM
17	FLANGE SIDE O-RING	EPDM FPM

PP&PVDF

JIS

Parts Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	15	145	15	95	70	4-15	85	10
20	20	150	15	100	75	4-15	85	10
25	25	170	16	125	90	4-19	90	10
30	30	175	16	135	100	4-19	120	10
40	40	191	19	140	105	4-19	125	10
50	51	212	19	155	120	4-19	135	10
65	65	260	21	175	140	4-19	185	10
80	75	266	21	185	150	8-19	185	10
100	100	300	23	210	175	8-19	195	10
125	127	361	25	250	210	8-23	230	7.5
150	140	361	25	280	240	8-23	230	7.5

ANSI

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	0.59	5.71	0.59	3.50	2.38	4-0.63	3.35	10
20	0.79	5.91	0.59	3.88	2.75	4-0.63	3.35	10
25	0.98	6.69	0.63	4.25	3.12	4-0.63	3.54	10
30	1.26	6.89	0.63	4.62	3.50	4-0.63	4.72	10
40	1.57	7.52	0.75	5.00	3.88	4-0.63	4.92	10
50	2.01	8.35	0.75	6.00	4.75	4-0.75	5.31	10
65	2.56	10.24	0.83	7.00	5.50	4-0.75	7.28	10
80	2.95	10.47	0.83	7.50	6.00	4-0.75	7.28	10
100	3.94	11.81	0.91	9.00	7.50	8-0.75	7.68	10
125	5.00	14.21	0.98	10.00	8.50	8-0.87	9.06	7.5
150	5.51	14.21	0.98	11.00	9.50	8-0.87	9.06	7.5

PVC&CPVC

JIS

Parts Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	15	148	15	95	70	4-15	85	10
20	20	153	15	100	75	4-15	85	10
25	25	173	16	125	90	4-19	90	10
30	30	180	17	135	100	4-19	120	10
40	40	195	19	140	105	4-19	125	10
50	51	215	19	155	120	4-19	135	10
65	65	265	21	175	140	4-19	185	10
80	75	271	21	185	150	8-19	185	10
100	100	304	23	210	175	8-19	195	10
125	127	369	27	250	210	8-23	230	7.5
150	140	369	26	280	240	8-23	230	7.5

ANSI

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	0.59	5.83	0.59	3.50	2.38	4-0.63	3.35	10
20	0.79	6.02	0.59	3.88	2.75	4-0.63	3.35	10
25	0.98	6.85	0.67	4.25	3.12	4-0.63	3.54	10
30	1.26	7.09	0.67	4.62	3.50	4-0.63	4.72	10
40	1.57	7.68	0.75	5.00	3.88	4-0.63	4.92	10
50	2.01	8.46	0.75	6.00	4.75	4-0.75	5.31	10
65	2.56	10.43	0.83	7.00	5.50	4-0.75	7.28	10
80	2.95	10.67	0.83	7.50	6.00	4-0.75	7.28	10
100	3.94	11.97	0.91	9.00	7.50	8-0.75	7.68	10
125	5.00	14.53	1.06	10.00	8.50	8-0.87	9.06	7.5
150	5.51	14.53	1.02	11.00	9.50	8-0.87	9.06	7.5

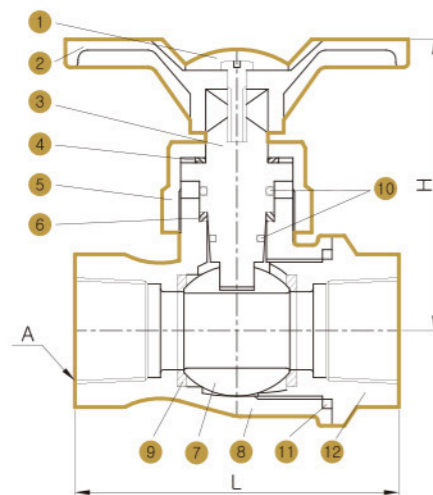
Ball Valves

Thread Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 50mm, ½" - 2"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seals (Seat) : PTFE
- O-Ring : EPDM or FPM
- Connections : PT Thread

Special Features

- Full Bore Type
- Excellent Durability and Simple Operation
- Bidirectional Flow Control Available
- Double O-RING mount on Stem Secures Air Tightness
- Built-in PTFE Seal
- Actuator Installation Capable after Bracket Mount



NO	PARTS	MATERIALS
1	HANDLE CAP BOLT	SS41(ABS COATED)
2	HANDLE	PP
3	STEM	PP/PVDF/PVC/CPVC
4	STEM WASHER	PE
5	GRAND CAP	PP/PVDF/PVC/CPVC
6	STEM RING	PTFE
7	BALL	PP/PVDF/PVC/CPVC
8	BODY	PP/PVDF/PVC/CPVC
9	NIP SEAL	PTFE
10	STEM O-RING	EPDM FPM
11	BODY CAP RING	PE
12	BODY CAP	PP/PVDF/PVC/CPVC



PP&PVDF

JIS

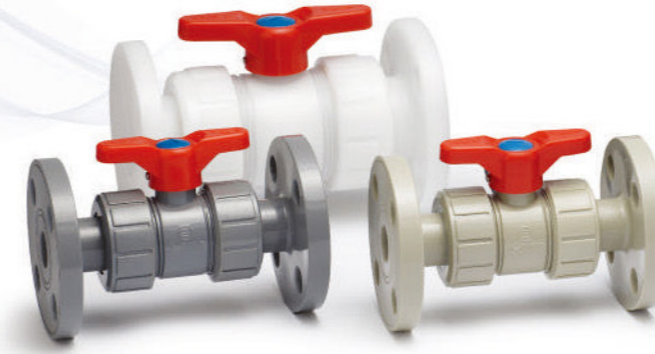
Size	Parts	L	H	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15		82	78	PT 1/2"	10
20		89	80	PT 3/4"	10
25		103	90	PT 1"	10
30		118	95	PT 1 1/4"	10
40		130	115	PT 1 1/2"	10
50		148	120	PT 2"	10

PVC&CPVC

JIS

Size	Parts	L	H	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15		98	78	PT 1/2"	10
20		105	80	PT 3/4"	10
25		120	90	PT 1"	10
30		134	95	PT 1 1/4"	10
40		156	115	PT 1 1/2"	10
50		176	120	PT 2"	10

True Union Ball Valves

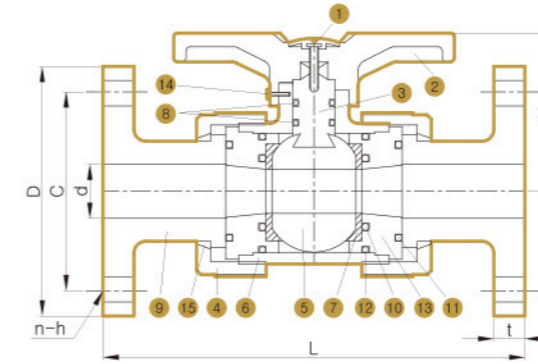


Flange Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 100mm, ½" - 4"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seals : PTFE
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
- JIS 10kgf/cm² Flanged

Special Features

- Full Bore Type
- Excellent Durability and Simple Operation
- Installed Union for Simple Replacement Process
- Bidirectional Flow Control Available
- Double O-RING mount on Stem Secures Air Tightness
- Built-in PTFE Seal
- Various Connection (Flange, Thread, Socket)



NO	PARTS	MATERIALS
1	HANDLE CAP BOLT	15A-50A : SS41 (ABS COATED) 65A-100A : SS41 (PP COATED)
2	HANDLE	PP
3	STEM	PP/PVDF/PVC/CPVC
4	GLAND CAP	PP/PVDF/PVC/CPVC
5	BALL	PP/PVDF/PVC/CPVC
6	BODY	PP/PVDF/PVC/CPVC
7	NIP SEAL	PTFE
8	STEM O-RING	EPDM FPM
9	END CONNECTOR	PP/PVDF/PVC/CPVC
10	O-RING	EPDM FPM
11	FACE O-RING	EPDM FPM
12	SIDE O-RING	EPDM FPM
13	CARRIER	PP/PVDF/PVC/CPVC
14	SUS BOLT	15A-50A : SUS 304 65A-100A : N/A
15	TAPER RING	PE

PP&PVDF

JIS

Parts	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	15	143	14	95	70	4-15	55	10
20	20	172	15	100	75	4-15	64	10
25	25	187	16	125	90	4-19	72	10
30	30	190	17	135	100	4-19	81	10
40	40	212	17	140	105	4-19	92	10
50	50	234	17	155	120	4-19	94	10
65	65	259	20	175	140	4-19	116	10
80	75	304	19	185	150	8-19	141	10
100	100	374	19	210	175	8-19	175	10

ANSI

Parts	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	0.59	5.55	0.55	3.50	2.38	4-0.63	2.17	10
20	0.79	6.61	0.59	3.88	2.75	4-0.63	2.52	10
25	0.98	7.32	0.63	4.25	3.12	4-0.63	3.83	10
30	1.18	7.36	0.67	4.62	3.50	4-0.63	3.19	10
40	1.57	8.27	0.67	5.00	3.88	4-0.63	3.62	10
50	1.97	9.06	0.67	6.00	4.75	4-0.75	3.70	10
65	2.56	10.12	0.79	7.00	5.50	4-0.75	4.57	10
80	3.15	11.93	0.75	7.50	6.00	4-0.77	5.55	10
100	3.94	14.57	0.75	9.00	7.50	8-0.77	6.89	10

PVC&CPVC

JIS

Parts	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	15	143	14	95	70	4-15	55	10
20	20	172	15	100	75	4-15	64	10
25	25	187	16	125	90	4-19	72	10
30	30	190	17	135	100	4-19	81	10
40	40	212	17	140	105	4-19	92	10
50	50	234	17	155	120	4-19	94	10
65	65	259	20	175	140	4-19	116	10
80	75	304	19	185	150	8-19	141	10
100	100	372	19	210	175	8-19	175	10

ANSI

Parts	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	0.59	5.71	0.55	3.50	2.38	4-0.63	2.17	10
20	0.79	6.77	0.59	3.88	2.75	4-0.63	2.52	10
25	0.98	7.48	0.63	4.25	3.12	4-0.63	3.83	10
30	1.18	7.48	0.67	4.62	3.50	4-0.63	3.19	10
40	1.57	8.39	0.67	5.00	3.88	4-0.63	3.62	10
50	1.97	9.21	0.67	6.00	4.75	4-0.75	3.70	10
65	2.56	10.28	0.79	7.00	5.50	4-0.75	4.57	10
80	3.15	12.05	0.75	7.50	6.00	4-0.77	5.55	10
100	3.94	14.72	0.75	9.00	7.50	8-0.77	6.89	10

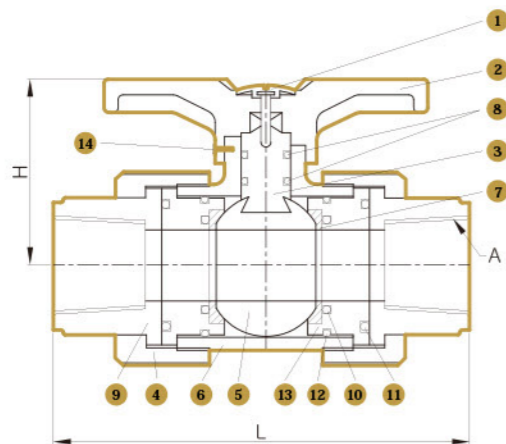
True Union Ball Valves

Thread Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 100mm, ½" - 4"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seals : PTFE
- O-Ring : EPDM or FPM
- Connections : PT Thread

Special Features

- Full Bore Type
- Excellent Durability and Simple Operation
- Installed Union for Simple Replacement Process
- Bidirectional Flow Control Available
- Double O-RING mount on Stem Secures Air Tightness
- Built-in PTFE Seal
- Various Connection (Flange, Thread, Socket)



NO	PARTS	MATERIALS
1	HANDLE CAP BOLT	15A~50A : SS41(ABS COATED) 65A~100A : SS41(PP COATED)
2	HANDLE	PP
3	STEM	PP/PVDF/PVC/CPVC
4	GLAND CAP	PP/PVDF/PVC/CPVC
5	BALL	PP/PVDF/PVC/CPVC
6	BODY	PP/PVDF/PVC/CPVC
7	NIP SEAL	PTFE
8	STEM O-RING	EPDM FPM
9	END CONNECTOR	PP/PVDF/PVC/CPVC
10	O-RING	EPDM FPM
11	FACE O-RING	EPDM FPM
12	SIDE O-RING	EPDM FPM
13	CARRIER	PP/PVDF/PVC/CPVC
14	SUS BOLT	15A~50A : SUS 304 65A~100A : N/A



PP&PVDF

JIS

Size	Parts	L	H	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15		100	55	PT 1/2"	10
20		117	64	PT 3/4"	10
25		133	72	PT 1"	10
30		144	81	PT 1 1/4"	10
40		168	92	PT 1 1/2"	10
50		192	94	PT 2"	10
65		206	116	PT 2 1/2"	10
80		261	141	PT 3"	10
100		362	175	PT 4"	10

PVC&CPVC

JIS

Size	Parts	L	H	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15		103	55	PT 1/2"	10
20		120	64	PT 3/4"	10
25		137	72	PT 1"	10
30		147	81	PT 1 1/4"	10
40		173	92	PT 1 1/2"	10
50		198	94	PT 2"	10
65		214	116	PT 2 1/2"	10
80		270	141	PT 3"	10
100		368	175	PT 4"	10

True Union Ball Valves

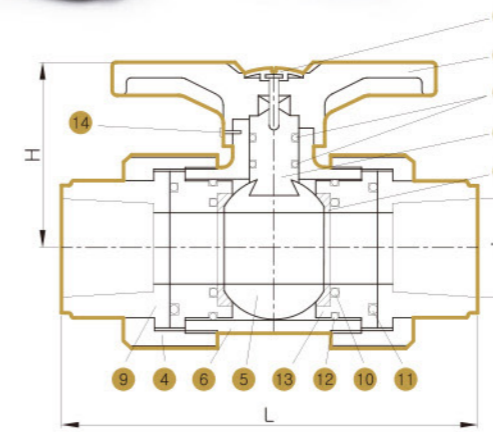


Socket Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 100mm, ½" - 4"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seals : PTFE
- O-Ring : EPDM or FPM
- Connections : Socket

Special Features

- Full Bore Type
- Excellent Durability and Simple Operation
- Installed Union for Simple Replacement Process
- Bidirectional Flow Control Available
- Double O-RING mount on Stem Secures Air Tightness
- Built-in PTFE Seal
- Various Connection (Flange, Thread, Socket)



NO	PARTS	MATERIALS
1	HANDLE CAP BOLT	15A~50A : SS41 (ABS COATED)
		65A~100A : SS41 (PP COATED)
2	HANDLE	PP
3	STEM	PP/PVDF/PVC/CPVC
4	GLAND CAP	PP/PVDF/PVC/CPVC
5	BALL	PP/PVDF/PVC/CPVC
6	BODY	PP/PVDF/PVC/CPVC
7	NIP SEAL	PTFE
8	STEM O-RING	EPDM
		FPM
9	END CONNECTOR	PP/PVDF/PVC/CPVC
10	O-RING	EPDM
		FPM
11	FACE O-RING	EPDM
		FPM
12	SIDE O-RING	EPDM
		FPM
13	CARRIER	PP/PVDF/PVC/CPVC
14	SUS BOLT	15A~50A : SUS 304
		65A~100A : N/A

PP&PVDF

JIS unit : mm

Parts	d	L	H	MAX Working Pressure (kg/cm ²)
15	22.4	113	55	10
20	26.4	130	64	10
25	32.4	156	72	10
30	38.4	160	81	10
40	48.4	186	92	10
50	60.4	213	94	10
65	76.6	237	116	10
80	89.7	297	141	10
100	114.7	362	175	10

ANSI unit : inch

Parts	d	L	H	MAX Working Pressure (kg/cm ²)
15	0.848	4.449	2.165	10
20	1.058	5.118	2.520	10
25	1.325	6.142	2.835	10
30	1.670	6.299	3.189	10
40	1.912	7.323	3.622	10
50	2.387	8.368	3.701	10
65	2.889	9.331	4.567	10
80	3.516	11.693	5.551	10
100	4.518	14.252	6.890	10

PVC&CPVC

JIS unit : mm

Parts	d	L	H	MAX Working Pressure (kg/cm ²)
15	22.4	114	55	10
20	26.4	129	64	10
25	32.4	156	72	10
30	38.4	157	81	10
40	48.4	190	92	10
50	60.4	218	94	10
65	76.6	242	116	10
80	89.7	301	141	10
100	114.7	370	175	10

ANSI unit : inch

Parts	d	L	H	MAX Working Pressure (kg/cm ²)
15	0.848	4.488	2.165	10
20	1.058	5.079	2.520	10
25	1.325	6.142	2.835	10
30	1.670	6.181	3.189	10
40	1.912	7.480	3.622	10
50	2.387	8.583	3.701	10
65	2.889	9.528	4.567	10
80	3.516	11.850	5.551	10
100	4.518	14.567	6.890	10

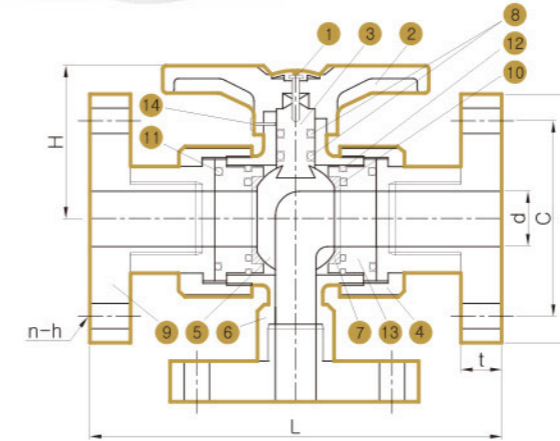
3-Way Union Ball Valves

Flange Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 50mm, ½" - 2"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seals : PTFE
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
- JIS 10kgf/cm² Flanged

Special Features

- 3-piece Structures of L-PORT TYPE
- Excellent Durability and Simple Operation
- 360° Spinning Handle Allows the Flexible Choice of Pipe Sides(Left or Right)
- Double O-RING mount on Stem Secures Air Tightness
- Built-in PTFE Seal
- Various Connection (Flange, Thread, Socket)



NO	PARTS	MATERIALS
1	HANDLE CAP BOLT	SS41 (ABS COATED)
2	HANDLE	PP
3	STEM	PP/PVDF/PVC/CPVC
4	GLAND CAP	PP/PVDF/PVC/CPVC
5	BALL	PP/PVDF/PVC/CPVC
6	BODY	PP/PVDF/PVC/CPVC
7	NIP SEAL	PTFE
8	STEM O-RING	EPDM / FPM
9	END CONNECTOR	PP/PVDF/PVC/CPVC
10	O-RING	EPDM / FPM
11	FACE O-RING	EPDM / FPM
12	SIDE O-RING	EPDM / FPM
13	CARRIER	PP/PVDF/PVC/CPVC
14	SUS BOLT	SUS 304

PP&PVDF

JIS

unit : mm

Size	Parts	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
					D	C	n-h		
15		12	133	14	95	70	4-15	55	10
20		18	150	15	100	75	4-15	64	10
25		23	163	15	125	90	4-19	72	10
30		28	180	16	135	100	4-19	81	10
40		37	200	16	140	105	4-19	92	10
50		48	235	20	155	120	4-19	94	10

ANSI

unit : inch

Size	Parts	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)
					D	C	n-h		
15		0.47	5.24	0.55	3.50	2.38	4-0.63	2.17	10
20		0.71	5.91	0.59	3.88	2.75	4-0.63	2.52	10
25		0.91	6.42	0.59	4.25	3.12	4-0.63	2.83	10
30		1.10	7.09	0.63	4.62	3.50	4-0.63	3.19	10
40		1.46	7.87	0.63	5.00	3.88	4-0.63	3.62	10
50		1.89	9.25	0.79	6.00	4.75	4-0.75	3.70	10

PVC&CPVC

JIS

unit : mm

Size	Parts	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
					D	C	n-h		
15		12	133	14	95	70	4-15	55	10
20		18	150	15	100	75	4-15	64	10
25		23	163	15	125	90	4-19	72	10
30		28	180	16	135	100	4-19	81	10
40		37	205	16	140	105	4-19	92	10
50		48	240	20	155	120	4-19	94	10

ANSI

unit : inch

Size	Parts	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)
					D	C	n-h		
15		0.47	5.24	0.55	3.50	2.38	4-0.63	2.17	10
20		0.71	5.91	0.59	3.88	2.75	4-0.63	2.52	10
25		0.91	6.61	0.59	4.25	3.12	4-0.63	2.83	10
30		1.10	7.09	0.63	4.62	3.50	4-0.63	3.19	10
40		1.46	8.07	0.63	5.00	3.88	4-0.63	3.62	10
50		1.89	9.45	0.79	6.00	4.75	4-0.75	3.70	10

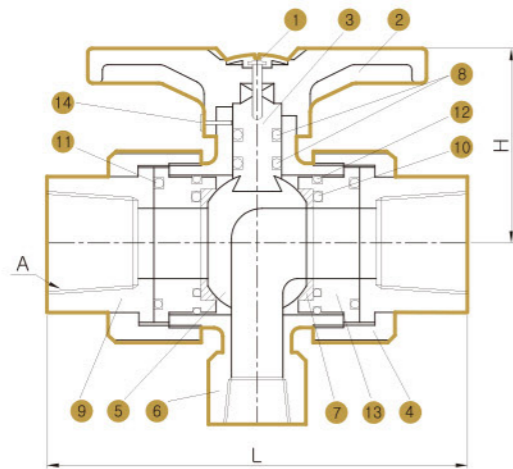
3-Way Union Ball Valves

Thread Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 50mm, ½" - 4"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seals : PTFE
- O-Ring : EPDM or FPM
- Connections : PT Thread

Special Features

- 3-piece Structures of L-PORT TYPE
- Excellent Durability and Simple Operation
- 360° Spinning Handle Allows the Flexible Choice of Pipe Sides(Left or Right)
- Double O-RING mount on Stem Secures Air Tightness
- Built-in PTFE Seal
- Various Connection (Flange, Thread, Socket)



NO	PARTS	MATERIALS
1	HANDLE CAP BOLT	SS41 (ABS COATED)
2	HANDLE	PP
3	STEM	PP/PVDF/PVC/CPVC
4	GLAND CAP	PP/PVDF/PVC/CPVC
5	BALL	PP/PVDF/PVC/CPVC
6	BODY	PP/PVDF/PVC/CPVC
7	NIP SEAL	PTFE
8	STEM O-RING	EPDM / FPM
9	END CONNECTOR	PP/PVDF/PVC/CPVC
10	O-RING	EPDM / FPM
11	FACE O-RING	EPDM / FPM
12	SIDE O-RING	EPDM / FPM
13	CARRIER	PP/PVDF/PVC/CPVC
14	SUS BOLT	SUS 304

PP&PVDF

JIS

Size	Parts	L	H	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15		102	55	PT 1/2"	10
20		117	64	PT 3/4"	10
25		135	72	PT 1"	10
30		148	81	PT 1 1/4"	10
40		170	92	PT 1 1/2"	10
50		196	94	PT 2"	10

PVC&CPVC

JIS

Size	Parts	L	H	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15		104	55	PT 1/2"	10
20		120	64	PT 3/4"	10
25		137	72	PT 1"	10
30		150	81	PT 1 1/4"	10
40		171	92	PT 1 1/2"	10
50		200	94	PT 2"	10



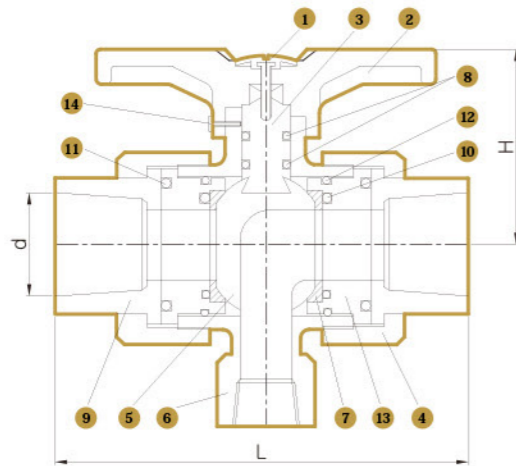
3-Way Union Ball Valves

Socket Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 50mm, $\frac{1}{2}$ " - 4"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seals : PTFE
- O-Ring : EPDM or FPM
- Connections : Socket

Special Features

- 3-piece Structures of L-PORT TYPE
- Excellent Durability and Simple Operation
- 360° Spinning Handle Allows the Flexible Choice of Pipe Sides(Left or Right)
- Double O-RING mount on Stem Secures Air Tightness
- Built-in PTFE Seal
- Various Connection (Flange, Thread, Socket)



NO	PARTS	MATERIALS
1	HANDLE CAP BOLT	SS41 (ABS COATED)
2	HANDLE	PP
3	STEM	PP/PVDF/PVC/CPVC
4	GLAND CAP	PP/PVDF/PVC/CPVC
5	BALL	PP/PVDF/PVC/CPVC
6	BODY	PP/PVDF/PVC/CPVC
7	NIP SEAL	PTFE
8	STEM O-RING	EPDM / FPM
9	END CONNECTOR	PP/PVDF/PVC/CPVC
10	O-RING	EPDM / FPM
11	FACE O-RING	EPDM / FPM
12	SIDE O-RING	EPDM / FPM
13	CARRIER	PP/PVDF/PVC/CPVC
14	SUS BOLT	SUS 304

PP&PVDF

JIS

		unit : mm			
Parts	d	L	H	MAX Working Pressure (kg/cm ²)	
Size					
15	22.4	114	55	10	
20	26.4	130	64	10	
25	32.4	159	72	10	
30	38.4	160	81	10	
40	48.4	188	92	10	
50	60.4	216	94	10	

PVC&CPVC

JIS

		unit : mm			
Parts	d	L	H	MAX Working Pressure (kg/cm ²)	
Size					
15	22.4	115	55	10	
20	26.4	130	64	10	
25	32.4	159	72	10	
30	38.4	160	81	10	
40	48.4	191	92	10	
50	60.4	220	94	10	

ANSI

		unit : inch			
Parts	d	L	H	MAX Working Pressure (kg/cm ²)	
Size					
15	0.848	4.53	2.17	10	
20	1.058	5.12	2.52	10	
25	1.325	6.26	2.83	10	
30	1.670	6.30	3.19	10	
40	1.912	7.52	3.62	10	
50	2.387	8.66	3.70	10	

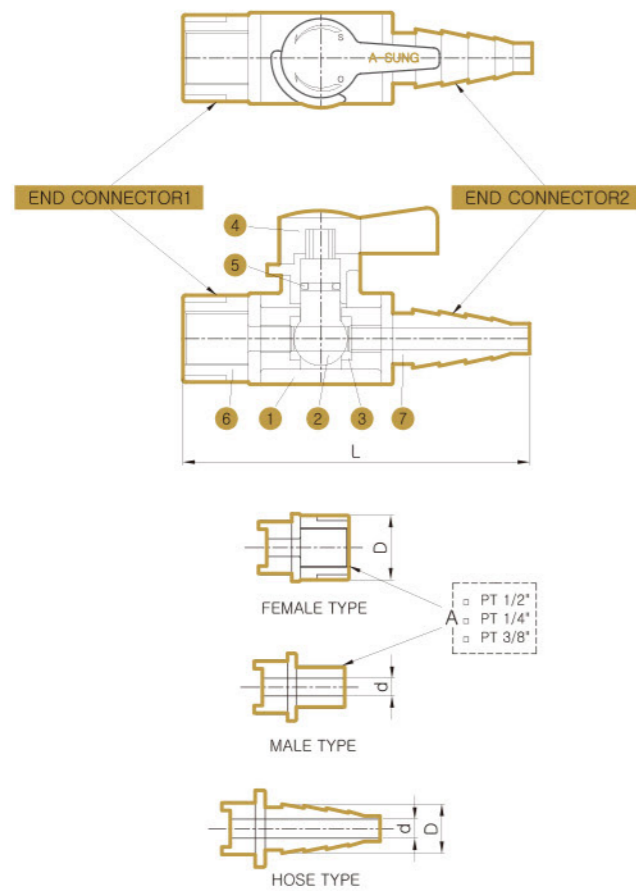


Lab Cock Valves

- Material : PVC
- Size : 6mm - 13mm, 1/4" - 3/8"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seals : EPDM
- O-Ring : EPDM
- Connections
 - Hose : 6mm(1/4")
 - Male Thread : 6mm(1/4"), 15mm(1/2")
 - Female Thread : 6mm(1/4"), 13mm(3/8")

Special Features

- Full Port
- Simple Operation
- Bidirectional Flow Control Available
- Manufactured in Smallest Size among Ball Valve Category
- Various types of Connections



NO	PARTS	MATERIALS
1	BODY	PVC
2	BALL & STEM	PVC
3	NIP SEAL	EPDM
4	HANDLE	PP
5	O-RING	EPDM
6	END CONNECTOR 1	PVC
7	END CONNECTOR 2	PVC

PVC

Type	Parts	D	d	L	MAX Working Pressure (kg/cm ²)
FEMALE + FEMALE		23	N/A	71	3
FEMALE + MALE		23	6	71	3
MALE + MALE		N/A	6	71	3
FEMALE + HOSE		16	6	91	3
MALE + HOSE		16	6	91	3
HOSE + HOSE		16	6	111	3

unit : mm



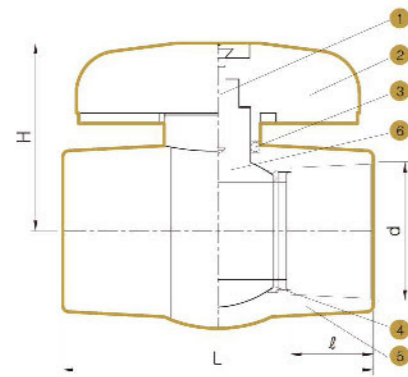
Compact Ball Valves

Socket Type

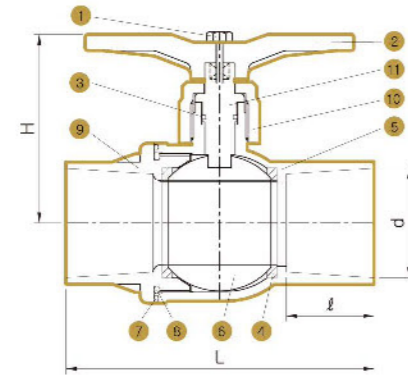
- Material : PVC
- Size : 15mm - 150mm, 1/2" - 6"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seals : PE
- O-Ring : EPDM
- Connections : Socket

Special Features

- Full Bore Type
- Excellent Durability and Simple Operation
- Bidirectional Flow Control
- Appropriate for Water Pipe (Inappropriate for Industrial Use)



13A ~ 50A



65A ~ 150A

NO	PARTS	MATERIALS
1	HANDLE PIN BOLT	SS41 (ABS COATED)
2	HANDLE	PP
3	O-RING	EPDM
4	NIP SEAL	PLASTOMER
5	BODY	PVC
6	BALL	PVC

NO	PARTS	MATERIALS
1	HANDLE PIN BOLT	SS41 (PP COATED)
2	HANDLE	PP
3	O-RING	EPDM
4	NIP SEAL	PE
5	BODY	PVC
6	BALL	PVC
7	SIDE O-RING	EPDM
8	FACE O-RING	EPDM
9	BODY CAP	PVC
10	GRAND CAP	PP
11	STEM	PVC

PVC

JIS

Size	d	L	ℓ	H	MAX Working Pressure (kg/cm ²)
13	18.4	68	20	32	5
15	22.4	84	23	43	5
20	26.4	96	28	55	5
25	32.4	106	29	66	5
30	38.4	112	31	66	5
40	48.4	130	33	75	5
50	60.4	146	38	89	5
65	76.6	270	69	170	5
80	89.7	280	72	170	5
100	114.7	333	94	182	5
125	141.2	396	140	170	5
150	166.3	450	140	182	5



Diaphragm Valves

Thermo Plastic Valves



Diaphragm Valves

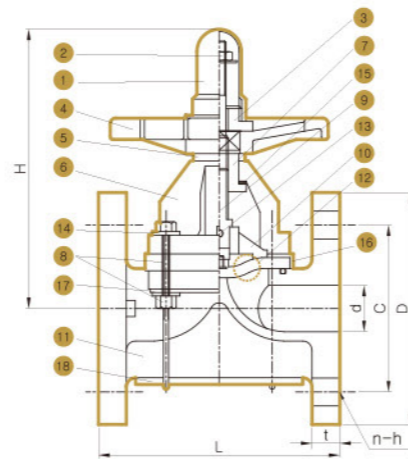
Flange Type

- Material - Body : PVC, C-PVC, PP, PVDF
- Material - Bonnet : PVC, C-PVC, PP, PVDF
- Size : 15mm - 250mm, ½" - 10"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Diaphragm : EPDM, PTFE/EPDM
PTFE/PVDF/EPDM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

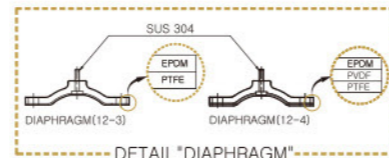
Special Features

- Up-and-Down Operation Method Allows Rate of Flow Control
- Excellent Durability and Convenient Handle Operation
- Superb Performance on Sludge of Slimy Liquid Line
- Installed GAUGE CAP to Facilitate Checking Status of Switchgear
- Variety Types of DIAPHRAGM Materials are Applicable
- Actuator Installation Capable

NO	PARTS	MATERIALS
1	GAUGE CAP	ACRYL
2	STOPPER NUTS	SS41 (PLATING : Zn)
3	LOCK NUT	PP
4	HAND WHEEL	PP
5	THRUST WASHER	PVC
6	BONNET	PP/PVDF/PVC/CPVC
7	SLEEVE	BC
8	BOLT & NUT	SS41 (PP COATED) SUS 304
9	STEM & STUD BOLT UNIT	BC + SS41 (PLATING : Zn)
10	COMPRESSOR	AL
11	BODY	PP/PVDF/PVC/CPVC
12-1	DIAPHRAGM	EPDM
12-2		FPM
12-3		EPDM + PTFE
12-4		EPDM + PVDF + PTFE
13	PIN	SCM
14	WASHER	SUS 304
15	PTFE RING	PTFE N/A
16	DIAPHRAGM COVER PLATE	SUS 304
17	SUS PLATE	SUS 304 N/A
18	SUS LINER	SUS 304 N/A



15A~25A



DETAIL "DIAPHRAGM"



PP&PVDF

JIS

Parts Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)	
				D	C	n-h		RUBBER DIAPHRAGM (12-1, 12-2)	PTFE DIAPHRAGM (12-3, 12-4)
15	16	112	13.0	95	70	4-15	95	10	10
20	20	121	14.5	100	75	4-15	100	10	10
25	25	132	14.5	125	90	4-19	110	10	10
30	40	181	17.5	135	100	4-19	181	10	10
40	40	181	17.5	140	105	4-19	181	10	10
50	52	211	21.0	155	120	4-19	220	10	10
65	67	251	22.0	175	140	4-19	260	10	10
80	78	281	22.0	185	150	8-19	270	10	10
100	100	342	25.0	210	175	8-19	300	10	10
125	125	414	27.0	250	210	8-23	420	7.5	7.5
150	145	482	28.5	280	240	8-23	475	7.5	5
200	194	572	35.0	330	290	12-23	630	5	4
250	247	687	35.0	400	355	12-25	700	5	4

unit : mm

ANSI

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)	
				D	C	n-h		RUBBER DIAPHRAGM (12-1, 12-2)	PTFE DIAPHRAGM (12-3, 12-4)
15	0.63	4.41	0.51	3.50	2.38	4-0.63	3.74	10	10
20	0.79	4.76	0.57	3.88	2.75	4-0.63	3.94	10	10
25	0.98	5.20	0.57	4.25	3.12	4-0.63	4.33	10	10
30	0.98	5.20	0.57	4.62	3.50	4-0.63	4.33	10	10
40	1.57	7.13	0.69	5.00	3.88	4-0.63	7.13	10	10
50	2.05	8.31	0.83	6.00	4.75	4-0.75	8.66	10	10
65	2.64	9.88	0.87	7.00	5.50	4-0.75	10.24	10	10
80	3.07	11.06	0.87	7.50	6.00	4-0.75	10.63	10	10
100	3.94	13.46	0.98	9.00	7.50	8-0.75	11.81	10	10
125	4.92	16.30	1.06	10.00	8.50	8-0.87	16.54	7.5	7.5
150	5.71	18.98	1.12	11.00	9.50	8-0.87	18.70	7.5	5
200	7.64	22.52	1.38	13.50	11.75	8-0.87	24.80	5	4
250	9.72	27.05	1.38	16.00	14.25	12-0.98	27.56	5	4

unit : inch

Diaphragm Valves

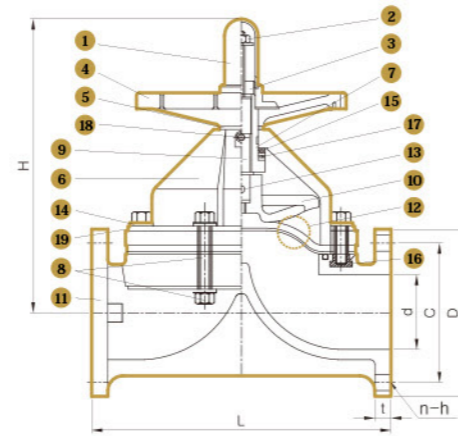
Flange Type

- Material - Body : PVC, C-PVC, PP, PVDF
- Material - Bonnet : PVC, C-PVC, PP, PVDF
- Size : 15mm - 250mm, ½" - 10"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Diaphragm : EPDM, PTFE/EPDM
PTFE/PVDF/EPDM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

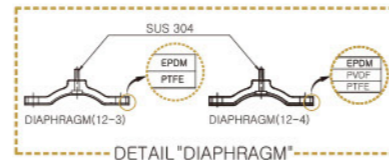
Special Features

- Up-and-Down Operation Method Allows Rate of Flow Control
- Excellent Durability and Convenient Handle Operation
- Superb Performance on Sludge of Slimy Liquid Line
- Installed GAUGE CAP to Facilitate Checking Status of Switchgear
- Variety Types of DIAPHRAGM Materials are Applicable
- Actuator Installation Capable

NO	PARTS	MATERIALS
1	GAUGE CAP	ACRYL
2	STOPPER NUTS	SS41 (PLATING : Zn)
3	LOCK NUT	PP
4	HAND WHEEL	PP
5	THRUST WASHER	PVC
6	BONNET	PP/PVDF/PVC/CPVC
7	SLEEVE	FC (PLATING : Zn)
8	BOLT & NUT	SS41 (PP COATED) SUS 304
9	STEM	S45C (PLATING : Zn)
10	COMPRESSOR	40A - 50A : AL 65A - 250A : FCD
11	BODY	PP/PVDF/PVC/CPVC
12-1	DIAPHRAGM	EPDM
12-2		FPM
12-3		EPDM + PTFE
12-4		EPDM + PVDF + PTFE
13	PIN	SCM
14	WASHER	SUS 304
15	PTFE RING	PTFE N/A
16	INSERTED NUT	BC
17	THRUST BALL BEARING	40A - 80A : N/A 100A - 250A : STANDARDIZED
18	GREASE NIPPLE	40A - 80A : N/A 100A - 250A : BC
19	SUS PLATE	SUS 304 N/A



30A ~ 250A



DETAIL "DIAPHRAGM"



PVC&CPVC

JIS

Size	Parts	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)	
					D	C	n-h		RUBBER DIAPHRAGM (12-1, 12-2)	PTFE DIAPHRAGM (12-3, 12-4)
15		16	113	13.0	95	70	4-15	95	10	10
20		20	123	15.0	100	75	4-15	100	10	10
25		25	133	15.0	125	90	4-19	110	10	10
30		40	183	17.0	135	100	4-19	181	10	10
40		40	183	17.0	140	105	4-19	181	10	10
50		52	214	20.0	155	120	4-19	220	10	10
65		67	255	21.0	175	140	4-19	260	10	10
80		78	285	22.0	185	150	8-19	270	10	10
100		100	347	21.5	210	175	8-19	300	10	10
125		125	415	25.0	250	210	8-23	420	7.5	7.5
150		145	486	28.0	280	240	8-23	475	7.5	5
200		194	575	34.0	330	290	12-23	630	5	4

ANSI

Size	Parts	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)	
					D	C	n-h		RUBBER DIAPHRAGM (12-1, 12-2)	PTFE DIAPHRAGM (12-3, 12-4)
15		0.63	4.45	0.51	3.50	2.38	4-0.63	3.74	10	10
20		0.79	4.84	0.59	3.88	2.75	4-0.63	3.94	10	10
25		0.98	5.24	0.59	4.25	3.12	4-0.63	4.33	10	10
30		0.98	5.24	0.59	4.62	3.50	4-0.63	4.33	10	10
40		1.57	7.20	0.67	5.00	3.88	4-0.63	7.13	10	10
50		2.05	8.43	0.79	6.00	4.75	4-0.75	8.66	10	10
65		2.64	10.04	0.83	7.00	5.50	4-0.75	10.24	10	10
80		3.07	11.22	0.87	7.50	6.00	4-0.75	10.63	10	10
100		3.94	13.66	0.85	9.00	7.50	8-0.75	11.81	10	10
125		4.92	16.34	0.98	10.00	8.50	8-0.87	16.54	7.5	7.5
150		5.71	19.13	1.10	11.00	9.50	8-0.87	18.70	7.5	5
200		7.64	22.64	1.34	13.50	11.75	8-0.87	24.80	5	4

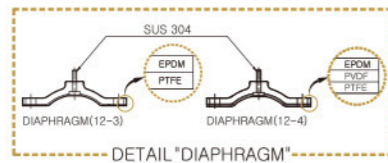
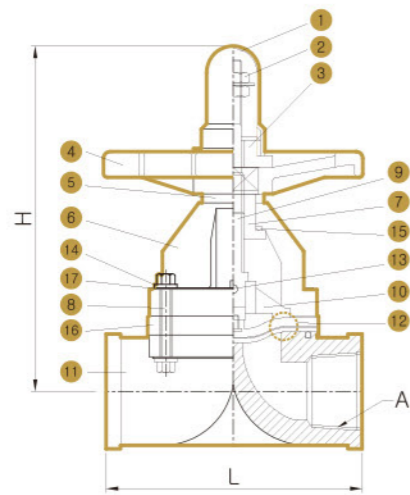
Diaphragm Valves

Thread Type

- Material – Body : PVC, C-PVC, PP, PVDF
- Material – Bonnet : PVC, C-PVC, PP, PVDF
- Size : 15mm - 25mm, ½" - 1"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Diaphragm : EPDM, PTFE/EPDM, PTFE/PVDF/EPDM
- Connections : PT Thread

Special Features

- Up-and-Down Operation Method Allows Rate of Flow Control
- Excellent Durability and Convenient Handle Operation
- Superb Performance on Sludge of Slimy Liquid Line
- Installed GAUGE CAP to Facilitate Checking Status of Switchgear
- Variety Types of DIAPHRAGM Materials are Applicable
- Actuator Installation Capable



NO	PARTS	MATERIALS
1	GAUGE CAP	ACRYL
2	STOPPER NUTS	SS41 (PLATING : Zn)
3	LOCK NUT	PP
4	HAND WHEEL	PP
5	THRUST WASHER	PVC
6	BONNET	PP / PVDF / PVC / CPVC
7	SLEEVE	BC
8	BOLT & NUT	SS41 (PP COATED) SUS 304
9	STEM & STUD BOLT UNIT	BC + SS41 (PLATING:Zn)
10	COMPRESSOR	AL
11	BODY	PP / PVDF / PVC / CPVC
12 -1	DIAPHRAGM	EPDM
12 -2		FPM
12 -3		EPDM + PTFE
12 -4		EPDM + PVDF + PTFE
13	PIN	SCM
14	WASHER	SUS 304
15	PTFE RING	PTFE N/A
16	DIAPHRAGM COVER PLATE	SUS 304
17	SUS PLATE	SUS 304 N/A

PP&PVDF

JIS		unit : mm		
Parts	L	H	JIS B 0203 A	MAX Working Pressure (kg/cm ²)
Size				
15	81	138	PT 1/2"	7.5
20	95	140	PT 3/4"	7.5
25	106	148	PT 1"	7.5

PVC&CPVC

JIS		unit : mm		
Parts	L	H	JIS B 0203 A	MAX Working Pressure (kg/cm ²)
Size				
15	82	138	PT 1/2"	7.5
20	95	140	PT 3/4"	7.5
25	109	148	PT 1"	7.5



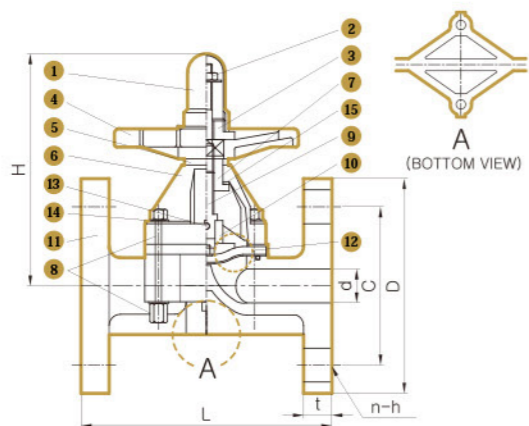
New Diaphragm Valves

Flange Type

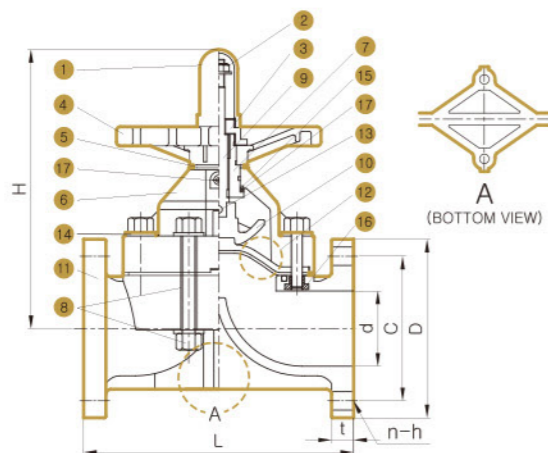
- Material - Body : PVC, C-PVC, PP, PVDF
- Material - Bonnet : PVC, C-PVC, PP, PVDF
- Size : 15mm - 250mm, ½" - 10"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Diaphragm : EPDM, PTFE/EPDM, PTFE/PVDF/EPDM
- Connections : ANSI 150 PSI Flanged, JIS 10kgf/cm² Flanged

Special Features

- Up-and-Down Operation Method Allows Rate of Flow Control
- Excellent Durability and Convenient Handle Operation
- Superb Performance on Sludge or Slimy Liquid Line
- Sophisticated design
- Installed GAUGE CAP to Facilitate Checking Status of Switchgear
- Variety Types of DIAPHRAGM Materials are Applicable
- Actuator Installation Capable



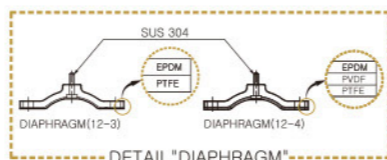
15A~30A



40A~100A

NO	PARTS	MATERIALS
1	GAUGE CAP	ACRYL
2	STOPPER NUTS	SS41 (PLATING : Zn)
3	LOCK NUT	PP
4	HAND WHEEL	PP
5	THRUST WASHER	PVC
6	BONNET	PP/PVDF/PVC/CPVC
7	SLEEVE	BC
8	BOLT & NUT	SS41(PP COATED) SUS 304
9	STEM + STUD BOLT UNIT	BC + SS41 (PLATING : Zn)
10	COMPRESSOR	AL
11	BODY	PP/PVDF/PVC/CPVC
12-1	DIAPHRAGM	EPDM
12-2		FPM
12-3		EPDM + PTFE
12-4		EPDM + PVDF + PTFE
13	PIN	SCM
14	WASHER	SUS 304
15	PTFE RING	PTFE N/A

NO	PARTS	MATERIALS
1 ~ 15		15A~30A와 동일
16	THRUST BEARING	40A~80A : N/A 100A : STANDARDIZE
17	GREASE NIPPLE	40A~50A : N/A 65A~100A : BC



DETAIL "DIAPHRAGM"

PP&PVDF

JIS

Size	Parts	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
					D	C	n-h		
15		16	111	13.0	95	70	4-15	132	10
20		20	120	14.5	100	75	4-15	133	10
25		25	131	14.5	125	90	4-19	139	10
30		32	143	17.5	135	100	4-19	149	10
40		40	181	17.5	140	105	4-19	210	10
50		52	211	21.0	155	120	4-19	233	10
65		67	251	22.0	175	140	4-19	265	10
80		78	281	22.0	185	150	8-19	289	10
100		100	340	25.0	210	175	8-19	372	10

unit : mm

PVC&CPVC

JIS

Size	Parts	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
					D	C	n-h		
15		16	113	13.5	95	70	4-15	132	10
20		20	122	15.0	100	75	4-15	133	10
25		25	133	14.5	125	90	4-19	139	10
30		32	146	17.0	135	100	4-19	149	10
40		40	183	17.0	140	105	4-19	210	10
50		52	214	21.0	155	120	4-19	233	10
65		67	255	22.0	175	140	4-19	265	10
80		78	285	23.0	185	150	8-19	289	10
100		100	345	24.0	210	175	8-19	372	10

unit : mm

True Union Diaphragm Valves

Thread Type

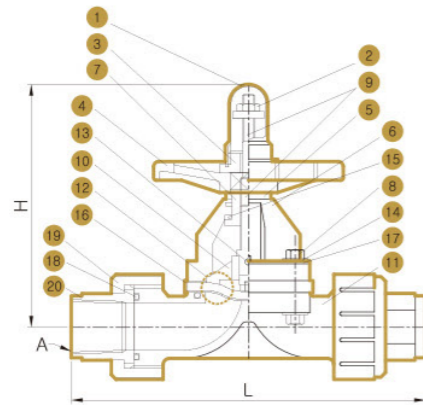
- Material – Body : PVC, C-PVC, PP, PVDF
- Material – Bonnet : PVC, C-PVC, PP, PVDF
- Size : 15mm - 50mm, ½" - 2"
- Pressure Rating : JIS 10kgf/cm², 150 PSI

- O-Ring : EPDM or FPM
- Diaphragm : EPDM, PTFE/EPDM
PTFE/PVDF/EPDM
- Connections : PT Thread

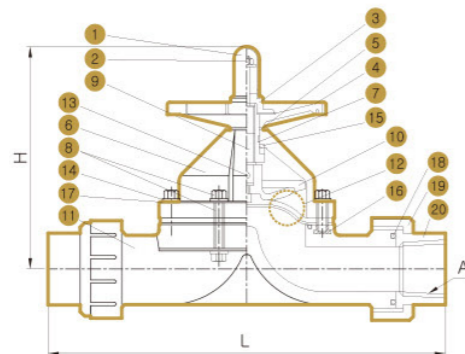
Special Features

- Up-and-Down Operation Method Allows Rate of Flow Control
- Excellent Durability and Convenient Handle Operation
- Superb Performance on Sludge of Slimy Liquid Line
- Installed Union for Simple Replacement Process
- Installed GAUGE CAP to Facilitate Checking Status of Switchgear

- Variety Types of DIAPHRAGM Materials are Applicable
- Available to Control the Rate of Flow
- Various Connections (Flange, Thread, Socket)
- Actuator Installation Capable

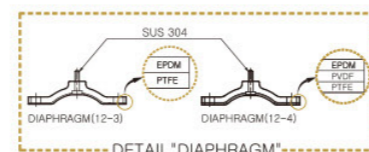


15A ~ 30A



40A ~ 50A

NO	PARTS	MATERIALS
1	GAUGE CAP	ACRYL
2	STOPPER NUTS	SS41 (PLATING : Zn)
3	LOCK NUT	PP
4	HAND WHEEL	PP
5	THRUST WASHER	PVC
6	BONNET	PP/PVDF/PVC/CPVC
7	SLEEVE	BC
8	BOLT & NUT	SS41(PP COATED)
9	STEM + STUD BOLT UNIT	BC
10	COMPRESSOR	AL
11	BODY	PP/PVDF/PVC/CPVC
12-1	DIAPHRAGM	EPDM
12-2		FPM
12-3		EPDM + PTFE
12-4		EPDM + PVDF + PTFE
13	PIN	SCM
14	WASHER	SUS 304
15	PTFE RING	N/A
16 (15A~30A)	DIAPHRAGM COVER PLATE	SUS 304
16 (40A~50A)	INSERTED NUT	BC
17	SUS PLATE	SUS 304
18	O-RING(A)	EPDM FPM
19	GLAND CAP	PP/PVDF/PVC/CPVC
20	END CONNECTOR	PP/PVDF/PVC/CPVC



DETAIL "DIAPHRAGM"



PP&PVDF

JIS

Size	Parts	L	H	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15		140	95	PT 1/2"	7.5
20		158	100	PT 3/4"	7.5
25		180	110	PT 1"	7.5
40		267	195	PT 1 1/2"	7.5
50		310	210	PT 2"	7.5

PVC&CPVC

JIS

Size	Parts	L	H	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15		141	95	PT 1/2"	7.5
20		159	100	PT 3/4"	7.5
25		182	110	PT 1"	7.5
40		270	195	PT 1 1/2"	7.5
50		310	210	PT 2"	7.5

ANSI

Size	Parts	L	H	unit : inch	
				ANSI/ASME B1.20.1 A	MAX Working Pressure (kg/cm ²)
15		5.55	3.74	NPT 1/2"	7.5
20		6.26	3.94	NPT 3/4"	7.5
25		7.17	4.33	NPT 1"	7.5
30		7.28	5.69	NPT 1 1/4"	7.5
40		10.63	7.68	NPT 1 1/2"	7.5
50		12.20	8.27	NPT 2"	7.5

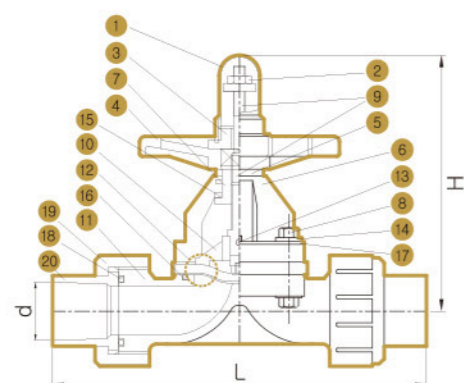
True Union Diaphragm Valves

Socket Type

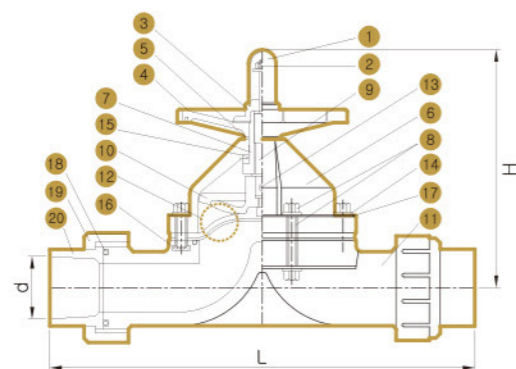
- Material – Body : PVC, C-PVC, PP, PVDF
- Material – Bonnet : PVC, C-PVC, PP, PVDF
- Size : 15mm - 50mm, ½" - 2"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Diaphragm : EPDM, PTFE/EPDM, PTFE/PVDF/EPDM
- Connections : Socket

Special Features

- Up-and-Down Operation Method Allows Rate of Flow Control
- Excellent Durability and Convenient Handle Operation
- Superb Performance on Sludge of Slimy Liquid Line
- Installed Union for Simple Replacement Process
- Installed GAUGE CAP to Facilitate Checking Status of Switchgear
- Variety Types of DIAPHRAGM Materials are Applicable
- Available to Control the Rate of Flow
- Various Connections (Flange, Thread, Socket)
- Actuator Installation Capable

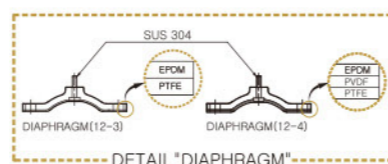


15A~30A



40A~50A

NO	PARTS	MATERIALS
1	GAUGE CAP	ACRYL
2	STOPPER NUTS	SS41 (PLATING : Zn)
3	LOCK NUT	PP
4	HAND WHEEL	PP
5	THRUST WASHER	PVC
6	BONNET	PP/PVDF/PVC/CPVC
7	SLEEVE	BC
8	BOLT & NUT	SS41(PP COATED) SUS 304
9	STEM + STUD BOLT UNIT	BC
10	COMPRESSOR	AL
11	BODY	PP/PVDF/PVC/CPVC
12-1	DIAPHRAGM	EPDM
12-2		FPM
12-3		EPDM + PTFE
12-4		EPDM + PVDF + PTFE
13	PIN	SCM
14	WASHER	SUS 304
15	PTFE RING	N/A
16 (15A~30A)	DIAPHRAGM COVER PLATE	SUS 304
16 (40A~50A)	INSERTED NUT	BC
17	SUS PLATE	SUS 304 N/A
18	O-RING(A)	EPDM FPM
19	GLAND CAP	PP/PVDF/PVC/CPVC
20	END CONNECTOR	PP/PVDF/PVC/CPVC



PP&PVDF

JIS

Parts		unit : mm			
Size	d	L	H	MAX Working Pressure (kg/cm ²)	
15	22.4	150	95	7.5	
20	26.9	168	100	7.5	
25	32.4	203	110	7.5	
40	48.4	285	195	7.5	
50	60.4	323	210	7.5	

PVC&CPVC

JIS

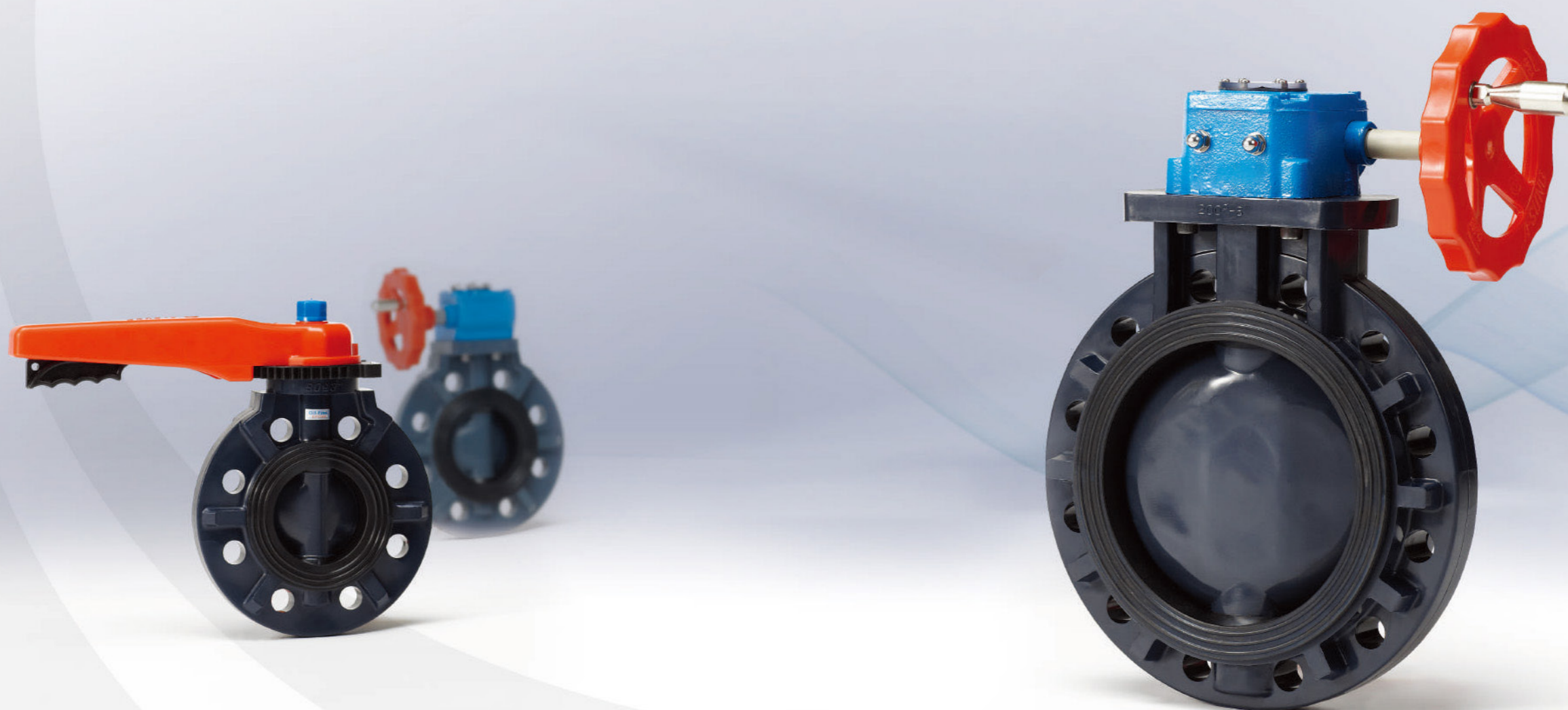
Parts		unit : mm			
Size	d	L	H	MAX Working Pressure (kg/cm ²)	
15	22.4	152	95	7.5	
20	26.4	170	100	7.5	
25	32.4	203	110	7.5	
40	48.4	288	195	7.5	
50	60.4	330	210	7.5	

ANSI

Parts		unit : inch			
Size	d	L	H	MAX Working Pressure (kg/cm ²)	
15	0.848	5.98	3.74	7.5	
20	1.058	6.69	3.94	7.5	
25	1.325	7.99	4.33	7.5	
30	1.670	7.99	5.69	7.5	
40	1.912	11.34	7.68	7.5	
50	2.387	12.99	8.27	7.5	

Butterfly Valves

Thermo Plastic Valves





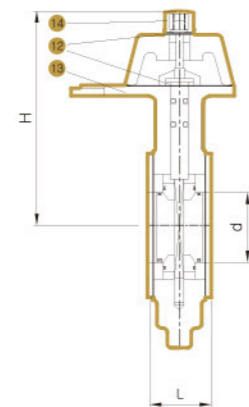
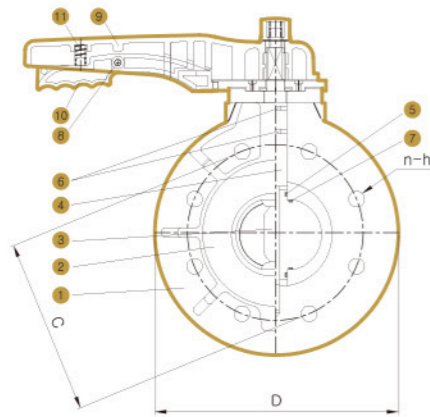
Butterfly Valves

Lever Type

- Material : Body/Disc
PP/PP, PP/C-PVC,
PP/PVDF, PVDF/PVDF
- Size : 1½" - 6" Lever Handle
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seat : EPDM or FPM
- Connections : ANSI 150 Flanged
JIS 10kgf/cm²

Special Features

- Designed to Install in Confined Space Easily
- Fluid Passage and Pipe are Aligned to Stabilize the Flow Rate and Pressure
- Designed to Minimize the DISC Flow Loss
- Lever (Small, Medium Caliber), Gear (Small, Medium, Large) Type Operator Installed
- Size Available Upto 600mm, 24"
- Actuator Installation Capable



NO	PARTS	MATERIALS
1	BODY	PP / PVDF / CLEAN PVC
2	SEAT	EPDM FPM
3	DISC	PP / PVDF / PVC / CPVC / CLEAN PVC
4	STEM	40A-100A : SUS 410 125A-150A : SCM4 (PP/PVDF/CLEAN PVC COATED)
5	DISC SIDE O-RING	EPDM FPM
6	STEM O-RING	EPDM FPM
7	DISC FACE O-RING	EPDM FPM
8	SET PIN	PP
9	HANDLE	PP
10	LEVER	PPG
11	SPRING	SUS 304
12	WASHER	SUS 304
13	GEAR PLATE	PPG (SUS SCREW BOLT FIXED)
14	NUT	SS41 (PP COATED)

PP&CPVC&PVDF

JIS

Parts Size	d	L	D	JIS 10K		H	MAX Working Pressure (kg/cm ²)
				C	n-h		
40	49	39	150	105	4-19	163	10
50	58	42	165	120	4-19	165	10
65	69	47	185	140	4-19	180	10
80	79	45	200	150	8-19	185	10
100	101	56	229	175	8-19	206	10
125	129	66	254	210	8-23	262	10
150	150	73	285	240	8-23	281	10

ANSI

Parts Size	d	L	D	ANSI CLASS 150		H	MAX Working Pressure (kg/cm ²)
				C	n-h		
40	1.93	1.54	5.91	3.88	4-0.63	6.42	10
50	2.28	1.65	6.50	4.75	4-0.75	6.50	10
65	2.72	1.85	7.28	5.50	4-0.75	7.09	10
80	3.11	1.77	7.87	6.00	4-0.75	7.28	10
100	3.98	2.20	9.02	7.50	8-0.75	8.11	10
125	5.08	2.60	10.00	8.50	8-0.87	10.31	10
150	5.91	2.87	11.22	9.50	8-0.87	11.06	10



Butterfly Valves

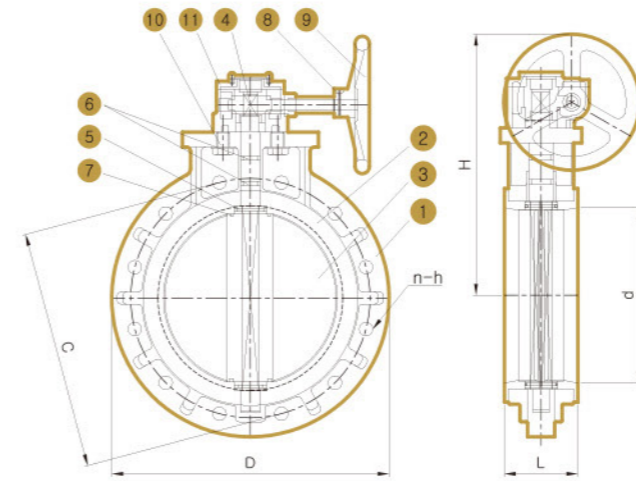
Gear Type



- Material : Body/Disc
PP/PP, PP/CPVC,
PP/PVDF, PVDF/PVDF
- Size : 1½" - 24" Gear Box
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Seat : EPDM or FPM
- Connections : ANSI 150 Flanged
JIS 10kgf/cm²

Special Features

- Designed to Install in Confined Space Easily
- Fluid Passage and Pipe are Aligned to Stabilize the Flow Rate and Pressure
- Designed to Minimize the DISC Flow Loss
- Lever (Small, Medium Caliber), Gear (Small, Medium, Large) Type Operator Installed
- Size Available Upto 600mm, 24"
- Actuator Installation Capable
- Produced in Standard Pressure and High Pressure Separately



NO	PARTS	MATERIALS
1	BODY	PP / PVDF / CLEAN PVC
2	SEAT	EPDM FPM
3	DISC	PP / PVDF / PVC / CPVC / CLEAN PVC
4	STEM	40-150A = SUS 410 200-500A = SCM4 (PP/PVDF/CLEAN PVC COATED) 600A = SUS 410
5	DISC SIDE O-RING	EPDM FPM
6	STEM O-RING	EPDM FPM
7	DISC FACE O-RING	EPDM FPM
8	SET PIN	SCM
9	HAND WHEEL	PP (S45C INSERTED)
10	BOLT	40A-250A=SS41(PP/PVDF/CLEAN PVC COATED) 300A-600A=SUS 304
11	GEAR BOX	40A-250A = ABS 300A-600A = FC

PP&PVDF

JIS

unit : mm

Parts Size	d	L	D	JIS 10K		H	PRESSURE OPTION	
				C	n-h		MAX Working Pressure (kg/cm²)	
							NORMAL PRESSURE (일반용)	HIGH PRESSURE (고압용)
40	49	39	150	105	4-19	170	10	10
50	58	42	165	140	4-19	190	10	10
65	69	47	185	140	4-19	190	10	10
80	79	45	200	150	8-19	190	10	10
100	101	56	229	175	8-19	250	10	10
125	129	66	254	210	8-23	270	10	10
150	150	73	285	240	8-23	280	10	10
200	208	94	340	290	12-23	350	7.5	10
250	256	111	413	355	12-25	380	7.5	10
300	315	131	495	400	16-25	460	5	8
350	351	134	522	445	16-25	480	3	8
400	400	172	600	510	16-27	530	3	7
450	452	179	630	565	20-27	630	3	6
500	502	193	699	620	20-27	660	3	5
600	604	209	813	730	24-33	690	3	5

ANSI

unit : inch

Parts Size	d	L	D	ANSI CLASS 150		H	PRESSURE OPTION	
				C	n-h		MAX Working Pressure (kg/cm²)	
							NORMAL PRESSURE (일반용)	HIGH PRESSURE (고압용)
40	1.93	1.54	5.91	3.88	4-0.63	6.69	10	10
50	2.28	1.65	6.50	4.75	4-0.75	7.09	10	10
65	2.72	1.85	7.28	5.50	4-0.75	7.48	10	10
80	3.11	1.77	7.87	6.00	4-0.75	7.48	10	10
100	3.98	2.20	9.02	7.50	8-0.75	9.84	10	10
125	5.08	2.60	10.00	8.50	8-0.87	10.63	10	10
150	5.91	2.87	11.22	9.50	8-0.87	11.02	10	10
200	8.19	3.70	13.39	11.75	8-0.87	13.78	7.5	10
250	10.08	4.37	16.26	14.25	12-0.98	14.96	7.5	10
300	12.40	5.16	19.49	17.00	12-0.98	18.11	5	8
350	13.82	5.28	20.55	18.75	12-1.10	18.90	3	8
400	15.75	6.77	23.62	21.25	16-1.10	20.87	3	7
450	17.80	7.05	24.80	22.75	16-1.26	24.80	3	6
500	19.76	7.60	27.52	25.00	16-1.26	25.98	3	5
600	23.78	8.23	32.01	29.50	20-1.38	27.17	3	5

Check & Foot Valves

Thermo Plastic Valves



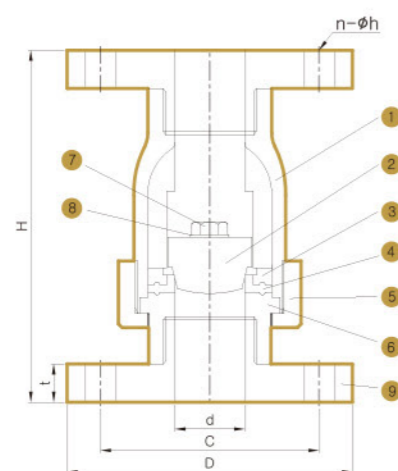
Check Valves

Flange Type

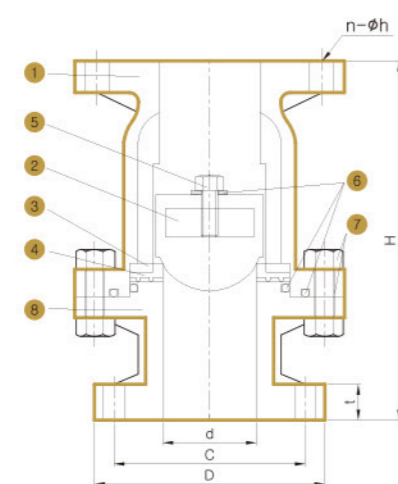
- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 300mm, ½" - 12"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

Special Features

- Vertical Pipe Exclusive
- Optimized Disc Design
- Excellent Backdraft Prevention by Gravity Operation System
- Please Install According to Fluid Direction



15A ~ 50A



65A ~ 200A

NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	DISC	S45C(PP/PVDF/PVC/CPVC COATED)
3	STOP RING	PP/PVDF/PVC/CPVC
4	SEAT	EPDM FPM
5	GLAND CAP	PP/PVDF/PVC/CPVC
6	END CONNECTOR 1	PP/PVDF/PVC/CPVC
7	BOLT	PP/PVDF/PVC/CPVC
8	O-RING	EPDM FPM
9	END CONNECTOR 2	PP/PVDF/PVC/CPVC

NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	DISC	S45C(PP/PVDF/PVC/CPVC COATED)
3	STOP RING	PP/PVDF/PVC/CPVC
4	SEAT	EPDM FPM
5	BOLT	PP/PVDF/PVC/CPVC
6	O-RING	EPDM FPM
7	BOLT & NUT	SS41 (PP COATED) SUS 304
8	END CONNECTOR	PP/PVDF/PVC/CPVC

PVC&CPVC

JIS

Size	Parts	d	t	h	JIS 10K			MAX Working Pressure (kg/cm ²)
					D	C	n-h	
15		15	14	111	95	70	4-15	7.5
20		20	15	133	100	75	4-15	7.5
25		25	15	169	125	90	4-19	7.5
30		30	15.5	176	135	100	4-19	7.5
40		40	16	178	140	105	4-19	7.5
50		50	21	226	155	120	4-19	7.5
65		65	20	228	175	140	4-19	7.5
80		75	22	244	185	150	8-19	7.5
100		100	23	298	210	175	8-19	7.5
125		125	24	335	250	210	8-23	5
150		150	25	394	280	240	8-23	5
200		202	29	446	330	290	12-23	5

ANSI

Size	Parts	d	t	h	ANSI CLASS 150			MAX Working Pressure (kg/cm ²)
					D	C	n-h	
15		0.59	0.51	4.17	3.50	2.38	4-0.63	7.5
20		0.79	0.59	5.04	3.88	2.75	4-0.63	7.5
25		0.98	0.59	6.42	4.25	3.12	4-0.63	7.5
30		0.98	0.61	6.54	4.62	3.50	4-0.63	7.5
40		1.57	0.63	6.81	5.00	3.88	4-0.63	7.5
50		1.97	0.83	8.66	6.00	4.75	4-0.75	7.5
65		2.56	0.79	8.98	7.00	5.50	4-0.75	7.5
80		2.95	0.87	9.61	7.50	6.00	4-0.75	7.5
100		3.94	0.93	11.73	9.00	7.50	8-0.75	7.5
125		4.92	0.94	13.19	10.00	8.50	8-0.87	5
150		5.91	0.98	15.51	11.00	9.50	8-0.87	5
200		7.95	1.14	17.56	13.50	11.75	8-0.87	5

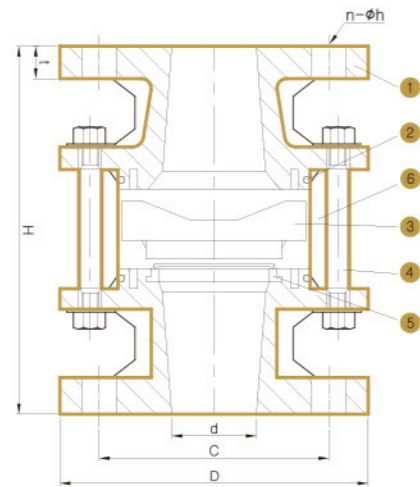
Check Valves

Flange Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 300mm, ½" - 12"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

Special Features

- Vertical Pipe Exclusive
- Optimized Disc Design
- Excellent Backdraft Prevention by Gravity Operation System
- Please Install According to Fluid Direction



250A~300A

NO	PARTS	MATERIALS
1	FLANGE	PP
2	O-RING	EPDM
3	LIFT	PVC
4	STUD BOLT & NUT	SUS 304
5	SEAT	EPDM
6	BODY	PP

PP&PVDF

JIS

Parts Size	d	t	h	JIS 10K			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
15	15	13	106	95	70	4-15	7.5
20	20	15	128	100	75	4-15	7.5
25	25	15	163	125	90	4-19	7.5
30	30	16	173	135	100	4-19	7.5
40	40	16	173	140	105	4-19	7.5
50	50	21	220	155	120	4-19	7.5
65	65	20	224	175	140	4-19	7.5
80	75	23	240	185	150	8-19	7.5
100	100	24	296	210	175	8-19	7.5
125	125	24	330	250	210	8-23	5
150	150	25	385	280	240	8-23	5
200	202	29	446	330	290	12-23	5
250	252	30	462	400	355	12-25	5
300	300	34	500	445	400	16-25	5

ANSI

Parts Size	d	t	h	ANSI CLASS 150			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
15	0.59	0.51	4.17	3.50	2.38	4-0.63	7.5
20	0.79	0.59	5.04	3.88	2.75	4-0.63	7.5
25	0.98	0.59	6.42	4.25	3.12	4-0.63	7.5
30	0.98	0.61	6.54	4.62	3.50	4-0.63	7.5
40	1.57	0.63	6.81	5.00	3.88	4-0.63	7.5
50	1.97	0.83	8.66	6.00	4.75	4-0.75	7.5
65	2.56	0.79	8.82	7.00	5.50	4-0.75	7.5
80	2.95	0.91	9.45	7.50	6.00	4-0.75	7.5
100	3.94	0.94	11.65	9.00	7.50	8-0.75	7.5
125	4.92	0.94	12.99	10.00	8.50	8-0.87	5
150	5.91	0.98	15.16	11.00	9.50	8-0.87	5
200	7.95	1.14	17.56	13.50	11.75	8-0.87	5



Check Valves

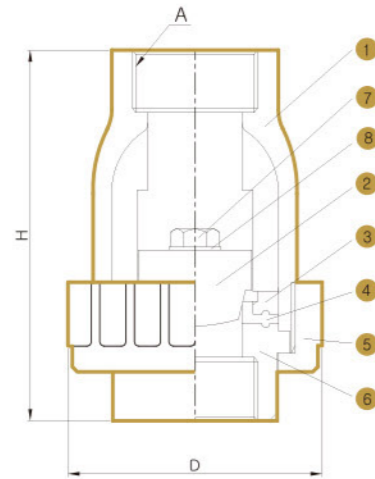
Thread Type

- Material : PVC, C-PVC, PP, PVDF
- Size : ½"-2"
- Pressure Rating : JIS 10kgf/cm², 150 PSI

- O-Ring : EPDM or FPM
- Connections : PT Thread

Special Features

- Vertical Pipe Exclusive
- Optimized Disc Design
- Excellent Backdraft Prevention by Gravity Operation System
- Please Install According to Fluid Direction



NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	DISC	S45C (PP/PVDF/PVC/CPVC COATED)
3	STOP RING	PP/PVDF/PVC/CPVC
4	SEAT	EPDM FPM
5	GLAND CAP	PP/PVDF/PVC/CPVC
6	END CONNECTOR	PP/PVDF/PVC/CPVC
7	BOLT	PP/PVDF/PVC/CPVC
8	O-RING	EPDM FPM

PP&PVDF

JIS

Size	Parts	H	D	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm²)
15		81	48	PT 1/2"	7.5
20		100	62	PT 3/4"	7.5
25		134	80	PT 1"	7.5
40		141	97	PT 1 1/2"	7.5
50		178	119	PT 2"	7.5

PVC&CPVC

JIS

Size	Parts	H	D	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm²)
15		83	49	PT 1/2"	7.5
20		101	62	PT 3/4"	7.5
25		137	80	PT 1"	7.5
40		144	98	PT 1 1/2"	7.5
50		182	120	PT 2"	7.5



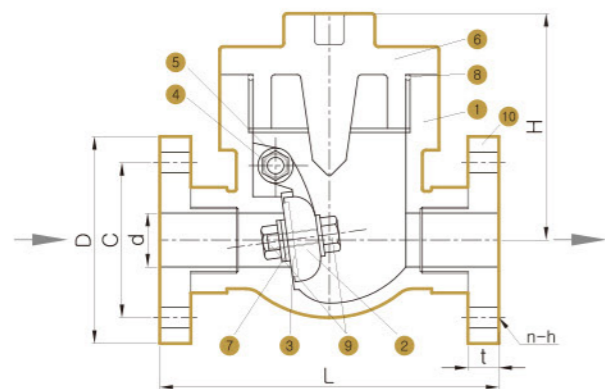
Swing Check Valves

Flange Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 300mm, ½" - 12"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

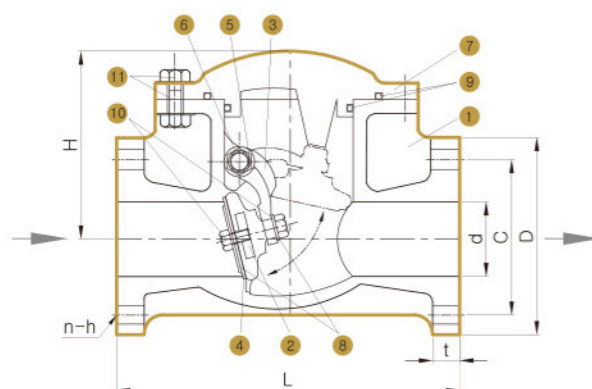
Special Features

- Applicable to Vertical and Horizontal Pipe
- Optimized Disc Design
- Backdraft Prevention Under Low Pressure
- Fluid Passage and Pipe are Aligned to Stabilize the Flow Rate and Pressure
- Please Install According to Fluid Direction



20A~25A

NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	DISC & SWING ARM	S45C(PP/PVDF/PVC/CPVC COATED)
3	SEAT	EPDM
4	SHAFT & BOLT	PP/PVDF/PVC/CPVC
5	O-RING	EPDM
6	BONNET	PP/PVDF/PVC/CPVC
7	SEAT SUPPORT	EPDM
8	BONNET O-RING	EPDM
9	HOLDER BOLT & NUT	PP/PVDF/PVC/CPVC
10	FLANGE	PP/PVDF/PVC/CPVC



30A~100A

NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	DISC	S45C(PP/PVDF/PVC/CPVC COATED)
3	SWING ARM	PP/PVDF/PVC/CPVC
4	SEAT	EPDM
5	SHAFT & BOLT	PP/PVDF/PVC/CPVC
6	O-RING	EPDM
7	BONNET	PP/PVDF/PVC/CPVC
8	SEAT SUPPORT	PP/PVDF/PVC/CPVC
9	BONNET O-RING	EPDM
10	HOLDER BOLT & NUT	PP/PVDF/PVC/CPVC
11	BOLT & NUT	SS41 (PP COATED) SUS 304



PP&PVDF

JIS

Parts Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
20	20	140	15	100	75	4-15	90	7.5
25	25	158	15	125	90	4-19	120	7.5
30	40	180	18	135	100	4-19	138	7.5
40	40	180	18	140	105	4-19	138	7.5
50	50	200	21	155	120	4-19	164	7.5
65	65	240	23	175	140	4-19	168	7.5
80	80	259	25	185	150	8-19	171	7.5
100	100	300	25	210	175	8-19	213	5
125	125	352	28	250	210	8-23	248	5
150	150	405	29	280	240	8-23	283	5
200	202	500	34	330	290	12-23	360	5
250	250	598	38	400	355	12-25	370	5

ANSI

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
20	0.79	5.51	0.59	3.88	2.75	4-0.63	3.54	7.5
25	0.98	6.22	0.59	4.25	3.12	4-0.63	4.72	7.5
30	1.57	7.09	0.71	4.62	3.50	4-0.63	5.43	7.5
40	1.57	7.09	0.71	5.00	3.88	4-0.63	5.43	7.5
50	1.97	7.87	0.83	6.00	4.75	4-0.75	6.46	7.5
65	2.56	9.45	0.91	7.00	5.50	4-0.75	6.61	7.5
80	3.15	10.20	0.98	7.50	6.00	4-0.75	6.73	7.5
100	3.94	12.01	0.98	9.00	7.50	8-0.75	8.39	5
125	4.92	13.90	1.10	10.0	8.50	8-0.87	9.76	5
150	5.91	15.91	1.14	11.0	9.50	8-0.87	11.14	5
200	7.95	19.69	1.34	13.5	11.75	8-0.87	14.17	5
250	9.84	23.54	1.50	15.75	13.98	12-0.98	14.57	5

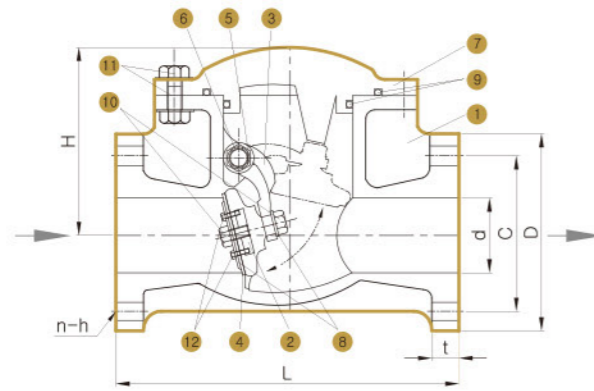
Swing Check Valves

Flange Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 15mm - 300mm, ½" - 12"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

Special Features

- Applicable to Vertical and Horizontal Pipe
- Optimized Disc Design
- Backdraft Prevention Under Low Pressure
- Fluid Passage and Pipe are Aligned to Stabilize the Flow Rate and Pressure
- Please Install According to Fluid Direction



125A ~ 250A

NO	PARTS	MATERIALS
1	BODY	PP / PVDF / PVC / CPVC
2	DISC	S45C (PP / PVDF / PVC / CPVC COATED)
3	SWING ARM	PP / PVDF / PVC / CPVC
4	SEAT	EPDM FPM
5	SHAFT & BOLT	PP / PVDF / PVC / CPVC
6	O-RING	EPDM FPM
7	BONNET	PP / PVDF / PVC / CPVC
8	SEAT SUPPORT	PP / PVDF / PVC / CPVC
9	BONNET O-RING	EPDM FPM
10	HOLDER BOLT & NUT	PP / PVDF / PVC / CPVC
11	BOLT & NUT	SS41 (PP COATED) SUS 304
12	BOLT	SS41 (PP COATED)



PVC & CPVC

JIS

unit : mm

Size	Parts	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
					D	C	n-h		
20		20	140	15	100	75	4-15	90	7.5
25		25	158	15	125	90	4-19	120	7.5
30		40	185	18	135	100	4-19	138	7.5
40		40	185	18	140	105	4-19	138	7.5
50		50	203	21	155	120	4-19	164	7.5
65		65	245	23	175	140	4-19	168	7.5
80		80	263	24	185	150	8-19	171	7.5
100		100	305	25	210	175	8-19	213	5
125		125	355	28	250	210	8-23	248	5
150		150	405	29	280	240	8-23	283	5
200		202	500	34	330	290	12-23	360	5
250		250	598	38	400	355	12-25	370	5

ANSI

unit : inch

Size	Parts	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)
					D	C	n-h		
20		0.79	5.51	0.59	3.88	2.75	4-0.63	3.54	7.5
25		0.98	6.38	0.59	4.25	3.12	4-0.63	4.72	7.5
30		1.57	7.28	0.71	4.62	3.50	4-0.63	5.43	7.5
40		1.57	7.28	0.71	5.00	3.88	4-0.63	5.43	7.5
50		1.97	7.99	0.83	6.00	4.75	4-0.75	6.46	7.5
65		2.56	9.65	0.91	7.00	5.50	4-0.75	6.61	7.5
80		3.15	10.35	0.94	7.50	6.00	4-0.75	6.73	7.5
100		3.94	12.01	0.98	9.00	7.50	8-0.75	8.39	5
125		4.92	13.98	1.10	10.0	8.50	8-0.87	9.76	5
150		5.91	15.94	1.14	11.0	9.50	8-0.87	11.14	5
200		7.95	19.69	1.34	13.5	11.75	8-0.87	14.17	5
250		9.84	23.54	1.50	15.75	13.98	12-0.98	14.57	5

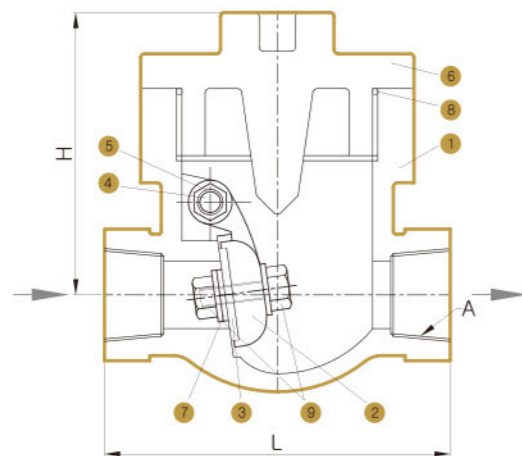
Swing Check Valves

Thread Type

- Material : PVC, C-PVC, PP, PVDF
- Size : 20mm - 25mm, 3/4" - 1"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Connections : PT Thread

Special Features

- Applicable to Vertical and Horizontal Pipe
- Optimized Disc Design
- Backdraft Prevention Under Low Pressure
- Fluid Passage and Pipe are Aligned to Stabilize the Flow Rate and Pressure
- Please Install According to Fluid Direction



NO	PARTS	MATERIALS
1	BODY	PP / PVDF / PVC / CPVC
2	DISC & SWING ARM	PP / PVDF / PVC / CPVC
3	SEAT	EPDM FPM
4	SHAFT & BOLT	PP / PVDF / PVC / CPVC
5	O-RING	EPDM FPM
6	BONNET	PP / PVDF / PVC / CPVC
7	SEAT SUPPORT	EPDM FPM
8	BONNET O-RING	EPDM FPM
9	HOLDER BOLT & NUT	PP / PVDF / PVC / CPVC

PP&PVDF

JIS		unit : mm			
Size	Parts	L	H	JIS B 0203 A	MAX Working Pressure (kg/cm ²)
20		110	95	PT 3/4"	7.5
25		128	105	PT 1"	7.5

PVC&CPVC

JIS		unit : mm			
Size	Parts	L	H	JIS B 0203 A	MAX Working Pressure (kg/cm ²)
20		112	95	PT 3/4"	7.5
25		120	105	PT 1"	7.5



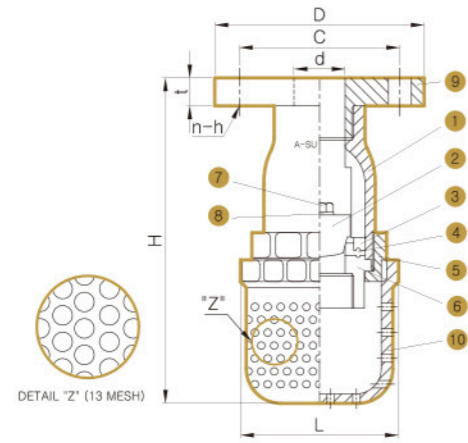
Foot Valves

Flange Type

- Material - Body : PVC, C-PVC, PP, PVDF
- Size : 20mm - 150mm, ½" - 6"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

Special Features

- Applicable to Vertical Pipe
- Optimized Disc Design
- Excellent Backdraft Prevention by Gravity Operation System
- Please Install According to Fluid Direction



20A ~ 50A

NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	DISC	S45C(PP/PVDF/PVC/CPVC COATED)
3	STOP RING	PP/PVDF/PVC/CPVC
4	SEAT	EPDM FPM
5	GLAND CAP	PP/PVDF/PVC/CPVC
6	END CONNECTOR 1	PP/PVDF/PVC/CPVC
7	BOLT	PP/PVDF/PVC/CPVC
8	O-RING	EPDM FPM
9	END CONNECTOR 2	PP/PVDF/PVC/CPVC
10	FOOT STRAINER	PP/PVDF/PVC/CPVC

PP&PVDF

JIS

Parts Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
20	20	70	15	100	75	4-15	152	7.5
25	25	92	15	125	90	4-19	193	7.5
30	40	112	16	135	100	4-19	204	7.5
40	40	112	16	140	105	4-19	204	7.5
50	50	134	21	155	120	4-19	263	7.5
65	65	180	20	175	140	4-19	255	7.5
80	75	196	23	185	150	8-19	275	7.5
100	100	263	24	210	175	8-19	350	7.5
125	125	305	24	250	210	8-23	392	7.5
150	150	366	25	280	240	8-23	474	7.5

ANSI

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
20	0.79	2.76	0.61	3.88	2.75	4-0.63	5.98	7.5
25	0.98	3.62	0.59	4.25	3.12	4-0.63	7.60	7.5
30	1.57	4.41	0.65	4.62	3.50	4-0.63	8.11	7.5
40	1.57	4.41	0.65	5.00	3.88	4-0.63	8.11	7.5
50	1.97	5.28	0.83	6.00	4.75	4-0.75	10.35	7.5
65	2.56	7.09	0.79	7.00	5.50	4-0.75	10.04	7.5
80	2.95	7.72	0.91	7.50	6.00	8-0.75	10.83	7.5
100	3.94	10.35	0.91	9.00	7.50	8-0.75	13.78	7.5
125	4.92	12.01	0.91	10.00	8.50	8-0.87	15.43	7.5
150	5.91	14.41	0.98	11.00	9.50	8-0.87	18.66	7.5



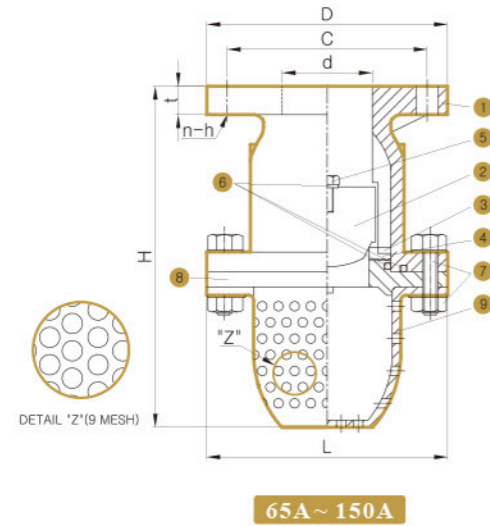
Foot Valves

Flange Type

- Material - Body : PVC, C-PVC, PP, PVDF
- Size : 20mm - 150mm, ½" - 6"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

Special Features

- Applicable to Vertical Pipe
- Optimized Disc Design
- Excellent Backdraft Prevention by Gravity Operation System
- Please Install According to Fluid Direction



NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	DISC	S45C (PP/PVDF/PVC/CPVC COATED)
3	STOP RING	PP/PVDF/PVC/CPVC
4	SEAT	EPDM FPM
5	BOLT	PP/PVDF/PVC/CPVC
6	O-RING	EPDM FPM
7	BOLT & NUT	PPG
8	SEAT SUPPORT	PP/PVDF/PVC/CPVC
9	FOOT STRAINER	PP/PVDF/PVC/CPVC

PVC&CPVC

JIS

Parts Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
20	20	70	15	100	75	4-15	155	7.5
25	25	92	15	125	90	4-19	200	7.5
30	40	112	16	135	100	4-19	210	7.5
40	40	112	16	140	105	4-19	210	7.5
50	50	134	21	155	120	4-19	270	7.5
65	65	180	20	175	140	4-15	261	7.5
80	75	196	22	185	150	8-19	279	7.5
100	100	263	23	210	175	8-19	355	7.5
125	125	305	24	250	210	8-23	396	7.5
150	150	366	25	280	240	8-23	478	7.5

ANSI

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
20	0.79	2.76	0.59	3.88	2.75	4-0.63	6.06	7.5
25	0.98	3.62	0.59	4.25	3.12	4-0.63	7.87	7.5
30	1.57	4.41	0.63	4.62	3.50	4-0.63	8.11	7.5
40	1.57	4.41	0.63	5.00	3.88	4-0.63	8.11	7.5
50	1.97	5.28	0.83	6.00	4.75	4-0.75	10.63	7.5
65	2.56	7.09	0.83	7.00	5.50	4-0.75	10.28	7.5
80	2.95	7.72	0.87	7.50	6.00	8-0.75	10.38	7.5
100	3.94	10.35	0.91	9.00	7.50	8-0.75	13.78	7.5
125	4.92	12.01	0.91	10.00	8.50	8-0.87	15.43	7.5
150	5.91	14.41	0.98	11.00	9.50	8-0.87	18.66	7.5



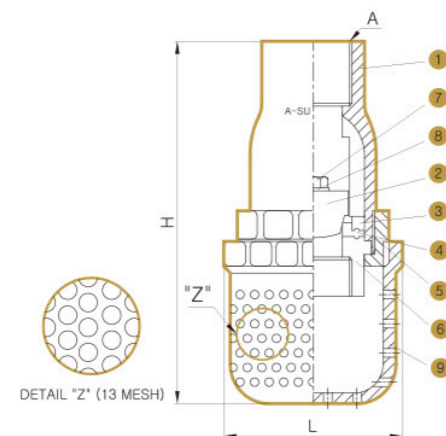
Foot Valves

Thread Type

- Material – Body : PVC, C-PVC, PP, PVDF
- Size : 20mm - 50mm, 3/4" - 2"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Connections : PT Thread

Special Features

- Applicable to Vertical Pipe
- Excellent Backdraft Prevention by Gravity Operation System
- Optimized Disc Design
- Please Install According to Fluid Direction



NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	DISC	S45C(PP/PVDF/PVC/CPVC COATED)
3	STOP RING	PP/PVDF/PVC/CPVC
4	SEAT	EPDM FPM
5	GLAND CAP	PP/PVDF/PVC/CPVC
6	END CONNECTOR 1	PP/PVDF/PVC/CPVC
7	BOLT	PP/PVDF/PVC/CPVC
8	O-RING	EPDM FPM
9	FOOT STRAINER	PP/PVDF/PVC/CPVC

PP&PVDF

JIS

Size	Parts	L	H	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm ²)
20		70	137	PT 3/4"	7.5
25		92	180	PT 1"	7.5
40		112	190	PT 1 1/2"	7.5
50		134	242	PT 2"	7.5

PVC&CPVC

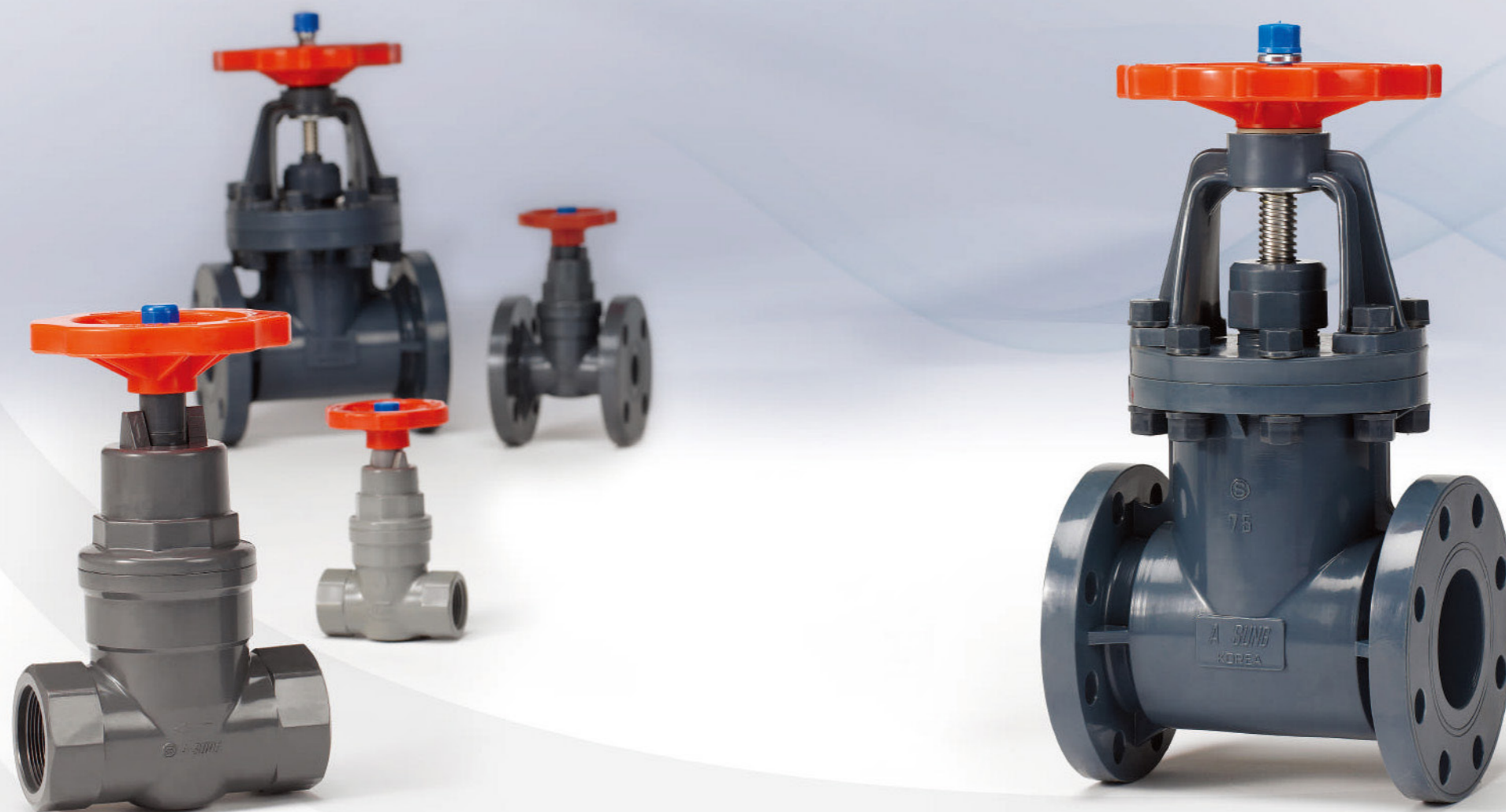
JIS

Size	Parts	L	H	unit : mm	
				JIS B 0203 A	MAX Working Pressure (kg/cm ²)
20		70	140	PT 3/4"	7.5
25		92	183	PT 1"	7.5
40		112	195	PT 1 1/2"	7.5
50		134	247	PT 2"	7.5



Gate & Glove Valves

Thermo Plastic Valves



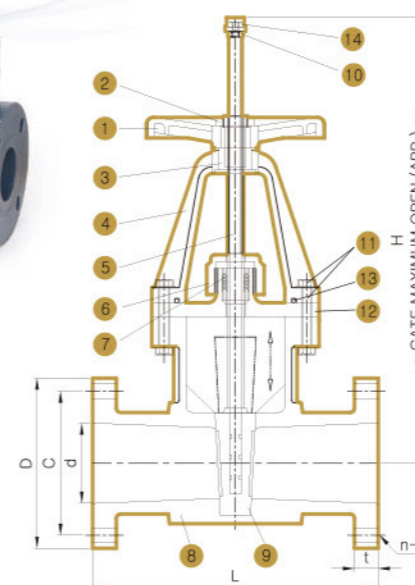
Sluice Gate Valves

Flange Type

- Material : PP
- Size : 40mm - 250mm, 1½" - 10"
- Pressure Rating : JIS 10kgf/cm²
- O-Ring : EPDM or FPM
- Connections : JIS 10kgf/cm² Flanged

Special Features

- Up-and-Down Operation
- OSY Type Allows the Open and Shut Status Check
- Excellent Durability and Simple Handle Operation
- Fluid Passage and Pipe are Aligned to Stabilize the Flow Rate and Pressure
- Ideal for Fully Open Line



NO	PARTS	MATERIALS
1	HAND WHEEL	PP
2	LOCK NUT	PP
3	SLEEVE	FC (PLATING : Zn)
4	YOKE	PP/PVDF/PVC/CPVC
5	SPINDLE	SUS 304
6	GLAND CAP	PP/PVDF/PVC/CPVC
7	V-RING	PE
8	BODY	PP/PVDF/PVC/CPVC
9	GATE	S45C(PP/PVDF/PVC/CPVC COATED)
10	STEM STOPPER NUT	SUS 304
11	BOLT & NUT	SS41 (PP COATED)
12	BONNET	PP/PVDF/PVC/CPVC
13	O-RING	EPDM FPM
14	STOPPER	SS41 (PLATING : Zn)

PP&PVDF

JIS

Parts Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm²)
				D	C	n-h		
40	40	170	17	140	105	4-19	295	10
50	52	190	20	155	120	4-19	328	10
65	65	200	21	175	140	4-19	371	10
80	78	220	22	185	150	8-19	420	10
100	100	250	22	210	175	8-19	493	7
125	125	264	24	250	210	8-23	643	5
150	150	290	25	280	240	8-23	716	5
200	200	375	29	330	290	12-23	910	5
250	200	390	30	400	355	12-25	920	5

ANSI

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm²)
				D	C	n-h		
40	1.57	6.69	0.67	5.00	3.88	4-0.63	11.61	10
50	1.97	7.48	0.79	6.00	4.75	4-0.75	12.91	10
65	2.56	7.87	0.83	7.00	5.50	4-0.75	14.61	10
80	3.07	8.66	0.87	7.50	6.00	4-0.75	16.54	10
100	3.94	9.84	0.87	9.00	7.50	8-0.75	19.41	7
125	4.92	10.39	0.94	10.00	8.50	8-0.87	25.32	5
150	5.91	11.42	0.98	11.00	9.50	8-0.87	28.19	5
200	7.87	14.76	1.14	13.50	11.75	8-0.87	35.83	5

PVC&CPVC

JIS

Parts Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm²)
				D	C	n-h		
40	40	170	17	140	105	4-19	295	10
50	52	190	20	155	120	4-19	328	10
65	65	200	21	175	140	4-19	371	10
80	78	220	22	185	150	8-19	420	10
100	100	250	22	210	175	8-19	493	7
125	125	262	22	250	210	8-23	643	5
150	150	290	25	280	240	8-23	716	5
200	200	375	29	330	290	12-23	910	5
250	200	390	30	400	355	12-25	920	5

ANSI

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm²)
				D	C	n-h		
40	1.57	6.69	0.67	5.00	3.88	4-0.63	11.61	10
50	1.97	7.48	0.79	6.00	4.75	4-0.75	12.91	10
65	2.56	7.87	0.83	7.00	5.50	4-0.75	14.61	10
80	3.07	8.66	0.87	7.50	6.00	4-0.75	16.54	10
100	3.94	9.84	0.87	9.00	7.50	8-0.75	19.41	7
125	4.92	10.39	0.94	10.00	8.50	8-0.87	25.32	5
150	5.91	11.42	0.98	11.00	9.50	8-0.87	28.19	5
200	7.87	14.76	1.14	13.50	11.75	8-0.87	35.83	5

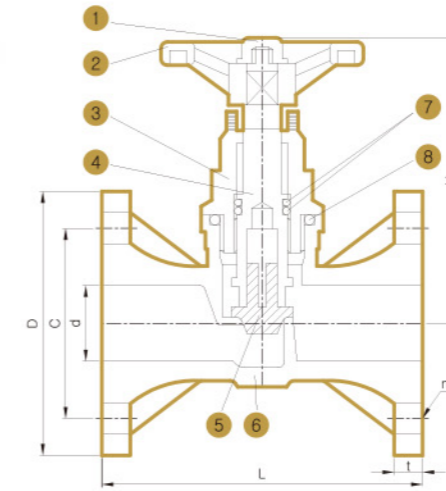
Glove (Stop) Valves

Flange Type

- Material : PVC, C-PVC, PVDF
- Size : 15mm - 50mm, ½" - 2"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

Special Features

- Up-and-Down DISC Operation
- Optimized Disc Design
- S-Type Designed for Pressure Reducing Effect
- Easy to Control Flow Rate and Suitable for Small Caliber
- Installed GAUGE CAP to Facilitate Checking Status of Switchgear



NO	PARTS	MATERIALS
1	LOCK NUT	PP
2	HANDLE	PP
3	BONNET	PP/PVDF/PVC/CPVC
4	STEM	PP/PVDF/PVC/CPVC
5	DISC	PP/PVDF/PVC/CPVC
6	BODY	PP/PVDF/PVC/CPVC
7	STEM O-RING	EPDM / FPM
8	BONNET O-RING	EPDM / FPM

PP&PVDF

JIS unit : mm

Parts Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	17	85	14	95	70	4-15	117.5	10
20	22	95	15	100	75	4-15	130	10
25	27	110	15	125	90	4-19	137	10
30	34	134	15	135	100	4-19	154	10
40	42	157	16	140	105	4-19	194	10
50	54	183	18	155	120	4-19	239	10

ANSI unit : inch

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	0.67	3.35	0.55	3.50	2.38	4-0.63	4.63	10
20	0.87	3.74	0.59	3.88	2.75	4-0.63	5.12	10
25	1.06	4.33	0.59	4.25	3.12	4-0.63	5.39	10
30	1.34	5.28	0.59	4.62	3.50	4-0.63	6.06	10
40	1.65	6.18	0.63	5.00	3.88	4-0.63	7.64	10
50	2.13	7.20	0.71	6.00	4.75	4-0.75	9.41	10

PVC&CPVC

JIS unit : mm

Parts Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	17	85	14	95	70	4-15	117.5	10
20	22	95	15	100	75	4-15	130	10
25	27	110	15	125	90	4-19	137	10
30	34	134	15	135	100	4-19	154	10
40	42	157	16	140	105	4-19	194	10
50	54	183	18	155	120	4-19	239	10

ANSI unit : inch

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm ²)
				D	C	n-h		
15	0.67	3.35	0.55	3.50	2.38	4-0.63	4.63	10
20	0.87	3.74	0.59	3.88	2.75	4-0.63	5.12	10
25	1.06	4.33	0.59	4.25	3.12	4-0.63	5.39	10
30	1.34	5.28	0.59	4.62	3.50	4-0.63	6.06	10
40	1.65	6.18	0.63	5.00	3.88	4-0.63	7.64	10
50	2.13	7.20	0.71	6.00	4.75	4-0.75	9.41	10

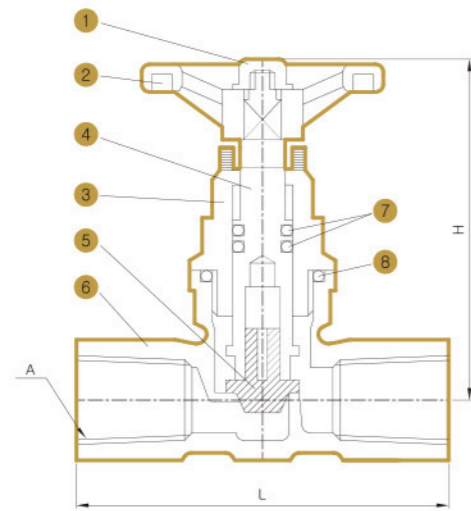
Glove (Stop) Valves

Thread Type

- Material : PVC, C-PVC, PVDF
- Size : 15mm - 50mm, ½" - 2"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Connections : PT Thread

Special Features

- Up-and-Down DISC Operation
- Optimized Disc Design
- S-Type Designed for Pressure Reducing Effect
- Easy to Control Flow Rate and Suitable for Small Caliber
- Installed GAUGE CAP to Facilitate Checking Status of Switchgear



NO	PARTS	MATERIALS
1	LOCK NUT	PP
2	HANDLE	PP
3	BONNET	PP/PVDF/PVC/CPVC
4	STEM	PP/PVDF/PVC/CPVC
5	DISC	PP/PVDF/PVC/CPVC
6	BODY	PP/PVDF/PVC/CPVC
7	STEM O-RING	EPDM / FPM
8	BONNET O-RING	EPDM / FPM



PP&PVDF

JIS

Parts	L	H	JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15	70	123	PT 1/2"	10
20	80	140	PT 3/4"	10
25	95	145	PT 1"	10
30	120	165	PT 1 1/4"	10
40	132	192	PT 1 1/2"	10
50	168	247	PT 2"	10

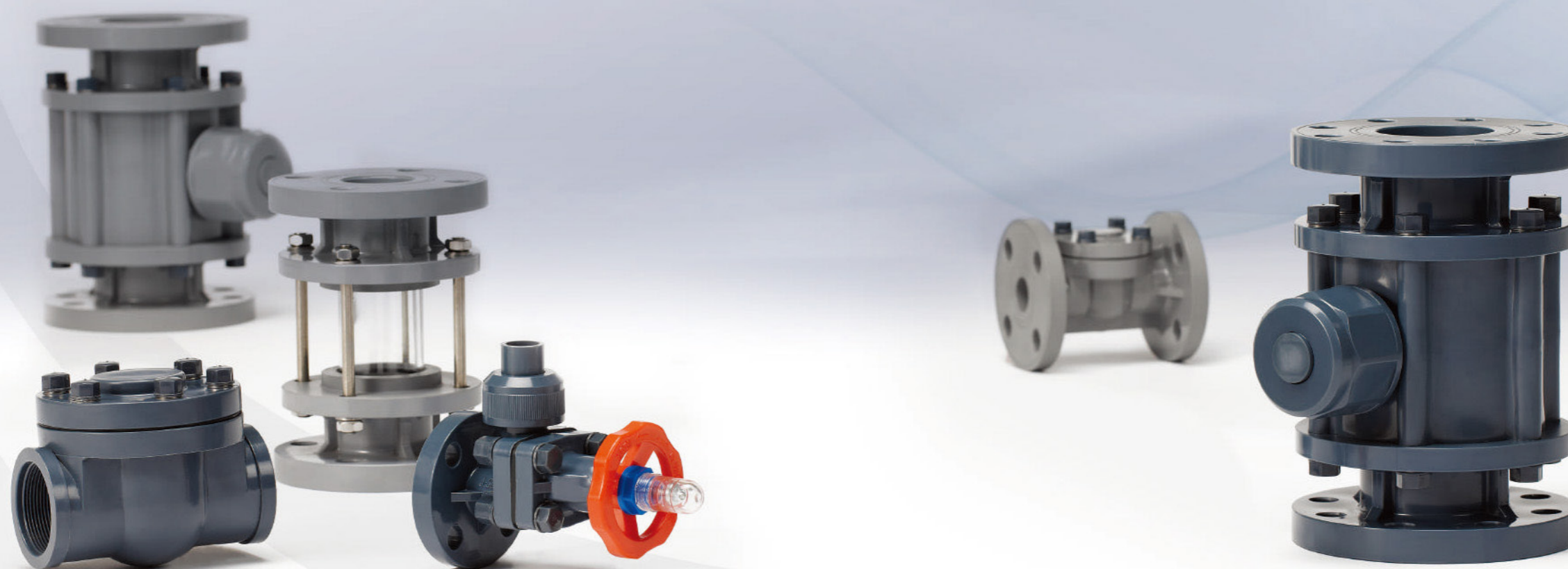
PVC&CPVC

JIS

Parts	L	H	JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15	70	123	PT 1/2"	10
20	80	140	PT 3/4"	10
25	95	145	PT 1"	10
30	120	165	PT 1 1/4"	10
40	132	192	PT 1 1/2"	10
50	168	247	PT 2"	10

Others

Thermo Plastic Valves



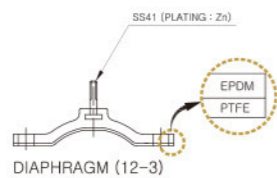
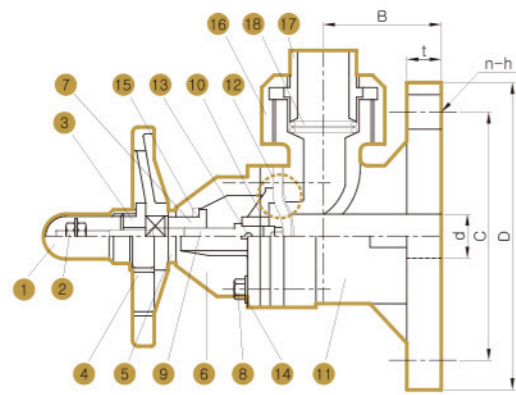
Gauge Valves

Flange Type

- Material : PP, PVDF
- Size : 20mm, 3/4"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Diaphragm : EPDM, PTFE/EPDM
PTFE/PVDF/EPDM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

Special Features

- Angle Valve
- Up-Down Operation Method
- Ideal to Measure Fluid Amount in Storage Tank
- Installed GAUGE CAP to Facilitate Checking Status of Switchgear
- Variety Types of DIAPHRAGM Materials are Applicable



NO	PARTS	MATERIALS
1	GAUGE CAP	ACRYL
2	STOPPER NUT	SS41 (PLATING : Zn)
3	LOCK NUT	PP
4	HANDLE WHEEL	PP
5	THRUST WASHER	PVC
6	BONNET	PP/PVDF / PVC/CPVC
7	SLEEVE	BC
8	BOLT & NUT	SS41 (PP COATED)
9	STEM+STUD BOLT UNIT	BC + SS41 (PLATING : Zn)
10	COMPRESSOR	AL
11	BODY	PP/PVDF / PVC/CPVC
12-1	DIAPHRAGM	EPDM
12-2	DIAPHRAGM	FPM
12-3	DIAPHRAGM	EPDM + PTFE
13	PIN	SCM
14	WASHER	SUS 304
15	PTFE RING	FPM & EPDM+PTFE DIAPHRAGM=PTFE EPDM DIAPHRAGM=N/A
16	GLAND CAP	PP/PVDF / PVC/CPVC
17	BODY CAP	PP/PVDF / PVC/CPVC
18	O-RING	EPDM FPM&EPDM+PTFE DIAPHRAGM= FPM



PP&PVDF

JIS

Parts Size	d	B	t	JIS 10K			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
20	20	50	15	100	75	4-15	10

ANSI

Parts Size	d	B	t	ANSI CLASS 150			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
20	0.79	1.97	0.59	3.88	2.75	4-0.63	10

PVC&CPVC

JIS

Parts Size	d	B	t	JIS 10K			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
20	20	50	15	100	75	4-15	10

ANSI

Parts Size	d	B	t	ANSI CLASS 150			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
20	0.79	1.97	0.59	3.88	2.75	4-0.63	10

Sight Glass

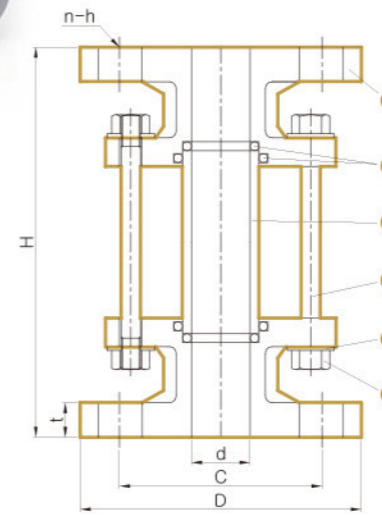
Flange Type



- Material : PVC, PP, C-PVC, PVDF
- Size : 15mm – 250mm, ½” – 10”
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

Special Features

- Suited to Check the Fluid Flow
- Installed Glass to Enhance Visibility
- Manufactured in Flange Type Only



NO	PARTS	MATERIALS
1	BODY CAP FLANGE	PP/PVDF/PVC/CPVC
2	GLASS	GLASS
3	STUD BOLT	SUS 304
4	WASHER	SUS 304
5	NUT	SUS 304
6	O-RING	EPDM
		FPM

PP&PVDF

JIS

Parts Size	d	H	t	JIS 10K			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
15	15	144	15.0	95	70	4-15	10
20	20	150	15.0	100	75	4-15	10
25	25	170	15.0	125	90	4-19	10
30	30	175	16.0	135	100	4-19	10
40	40	191	19.0	140	105	4-19	10
50	50	210	20.0	155	120	4-19	10
65	65	261	21.0	175	140	4-19	10
80	75	265	21.0	185	150	8-19	10
100	100	300	23.0	210	175	8-19	10
125	125	359	25.0	250	210	8-23	7.5
150	150	360	25.0	280	240	8-23	7.5
200	202	400	27.0	330	290	12-23	5
250	250	460	30.0	400	355	12-25	5

ANSI

Parts Size	d	H	t	ANSI CLASS 150			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
15	0.59	5.67	0.59	3.50	2.38	4-0.63	10
20	0.79	5.91	0.59	3.88	2.75	4-0.63	10
25	0.95	6.57	0.63	4.25	3.12	4-0.63	10
30	1.18	7.09	0.63	4.62	3.50	4-0.63	10
40	1.57	7.52	0.75	5.00	3.88	4-0.63	10
50	1.97	8.27	0.79	6.00	4.75	4-0.75	10
65	2.56	10.28	0.83	7.00	5.50	4-0.75	10
80	2.95	10.43	0.83	7.50	6.00	4-0.75	10
100	3.94	11.81	0.91	9.00	7.50	8-0.75	10
125	4.92	14.13	0.98	10.00	8.50	8-0.87	7.5
150	5.91	14.17	0.98	11.00	9.50	8-0.87	7.5
200	7.95	15.75	1.06	13.50	11.75	8-0.87	5
250	9.84	18.15	1.22	16.00	14.25	12-0.98	5

PVC&CPVC

JIS

Parts Size	d	H	t	JIS 10K			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
15	15	146	16.0	95	70	4-15	10
20	20	150	15.0	100	75	4-15	10
25	25	170	15.0	125	90	4-19	10
30	30	175	16.0	135	100	4-19	10
40	40	191	19.0	140	105	4-19	10
50	50	210	19.0	155	120	4-19	10
65	65	260	20.0	175	140	4-19	10
80	75	265	20.0	185	150	8-19	10
100	100	300	23.0	210	175	8-19	10
125	125	359	25.0	250	210	8-23	7.5
150	150	360	25.0	280	240	8-23	7.5
200	202	400	27.0	330	290	12-23	5
250	250	461	31.0	400	355	12-25	5

ANSI

Parts Size	d	H	t	ANSI CLASS 150			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
15	0.59	5.67	0.59	3.50	2.38	4-0.63	10
20	0.79	5.91	0.59	3.88	2.75	4-0.63	10
25	0.95	6.69	0.63	4.25	3.12	4-0.63	10
30	1.18	6.89	0.63	4.62	3.50	4-0.63	10
40	1.57	7.52	0.75	5.00	3.88	4-0.63	10
50	1.97	8.27	0.75	6.00	4.75	4-0.75	10
65	2.56	10.24	0.79	7.00	5.50	4-0.75	10
80	2.95	10.43	0.79	7.50	6.00	4-0.75	10
100	3.94	11.81	0.91	9.00	7.50	8-0.75	10
125	4.92	14.13	0.98	10.00	8.50	8-0.87	7.5
150	5.91	14.17	0.98	11.00	9.50	8-0.87	7.5
200	7.95	15.75	1.06	13.50	11.75	8-0.87	5
250	9.84	18.15	1.22	16.00	14.25	12-0.98	5



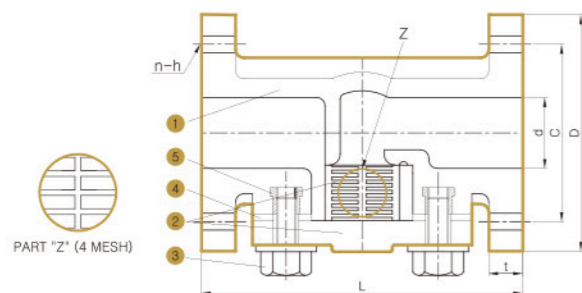
T-Strainer

Flange Type

- Material : PVC, PP, C-PVC, PVDF
- Size : 15mm - 300mm, ½" - 12"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Packing : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

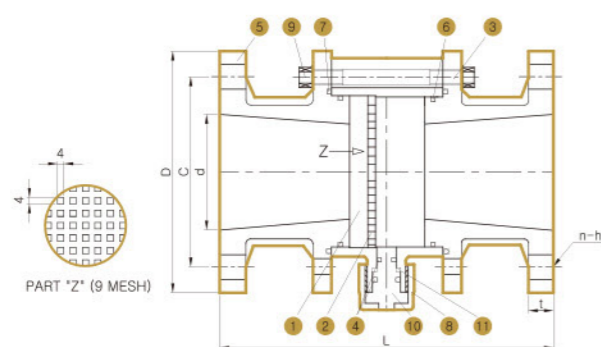
Special Features

- T-Type
- Optimized Valve for Filtration
- Applicable to Vertical and Horizontal Pipe
- Used Plastic Filter for Outstanding Corrosion Resistance
- Please Install According to Fluid Direction



15A~50A

NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	BONNET & FILTER	PP/PVDF/PVC/CPVC
3	BOLT	SS41 (PP COATED) SUS 304
4	PACKING	EPDM FPM
5	INSERTED NUT	BC



65A~100A

NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	FILTER	PP/PVDF/PVC/CPVC
3	STUD BOLT	SS41 (PLATING : Zn)
4	O-RING	EPDM FPM
5	FLANGE	PP/PVDF/PVC/CPVC
6	SIDE O-RING	EPDM FPM
7	FACE O-RING	EPDM FPM
8	GLAND CAP	PP/PVDF/PVC/CPVC
9	NUT	SS41 (PP COATED)
10	STEM	PP/PVDF/PVC/CPVC
11	STEM RING	PE PTFE

PVC&CPVC

JIS

Parts Size	d	L	t	JIS 10K			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
15	15	115	13	95	70	4-15	10
20	20	122	14	100	75	4-15	10
25	25	140	15	125	90	4-19	10
30	30	175	16	135	100	4-19	10
40	40	169	16	140	105	4-19	10
50	50	191	16	155	120	4-19	10
65	65	265	20.5	175	140	4-19	7.5
80	75	266	22.0	185	150	8-19	7.5
100	100	301	23.0	210	175	8-19	7.5
125	125	362	25.0	250	210	8-25	5
150	150	364	25.0	280	240	8-25	5

ANSI

Parts Size	d	L	t	ANSI CLASS 150			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
15	0.59	4.53	0.51	3.50	2.38	4-0.63	10
20	0.79	4.80	0.55	3.88	2.75	4-0.63	10
25	0.98	5.51	0.59	4.25	3.12	4-0.63	10
30	1.18	6.89	0.63	4.62	3.50	4-0.63	10
40	1.57	6.65	0.63	5.00	3.88	4-0.63	10
50	1.97	7.52	0.63	6.00	4.75	4-0.63	10
65	2.64	10.43	0.81	7.00	5.50	4-0.75	7.5
80	2.95	10.47	0.87	7.50	6.00	4-0.75	7.5
100	3.94	11.85	0.91	9.00	7.50	8-0.75	7.5
125	4.92	14.25	0.98	10.00	8.50	8-0.87	5
150	5.91	14.33	0.98	11.00	9.50	8-0.87	5



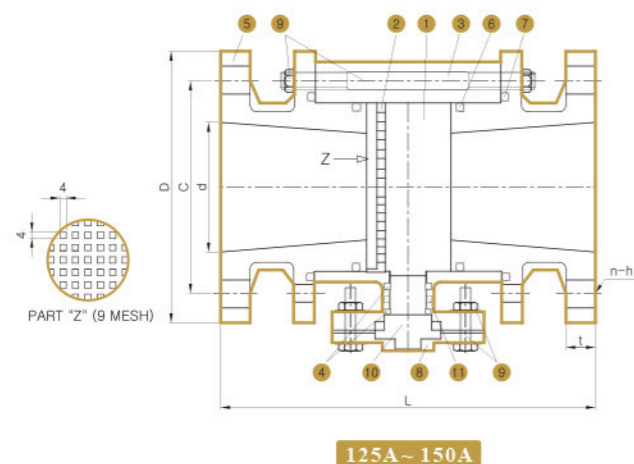
T-Strainer

Flange Type

- Material : PVC, PP, C-PVC, PVDF
- Size : 15mm - 300mm, ½" - 12"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Packing : EPDM or FPM
- Connections : ANSI 150 PSI Flanged
JIS 10kgf/cm² Flanged

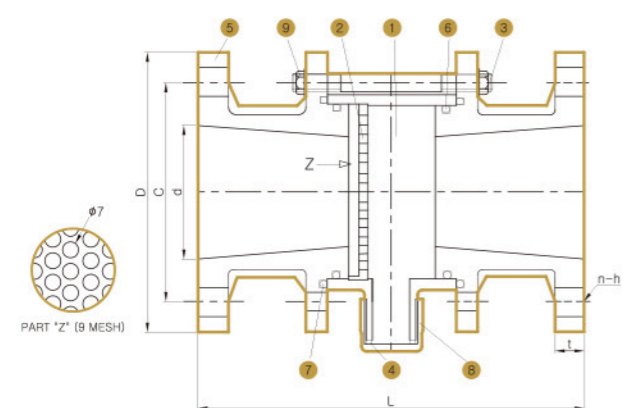
Special Features

- T-Type
- Optimized Valve for Filtration
- Applicable to Vertical and Horizontal Pipe
- Used Plastic Filter for Outstanding Corrosion Resistance
- Please Install According to Fluid Direction



125A~150A

NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	FILTER	PP/PVDF/PVC/CPVC
3	STUD BOLT	SS41 (PLATING : Zn)
4	O-RING	EPDM FPM
5	FLANGE	PP/PVDF/PVC/CPVC
6	SIDE O-RING	EPDM FPM
7	FACE O-RING	EPDM FPM
8	GLAND CAP	PP/PVDF/PVC/CPVC
9	BOLT & NUT	SS41 (PP COATED)
10	STEM	PP/PVDF/PVC/CPVC
11	STEM RING	PE PTFE



200A~300A

NO	PARTS	MATERIALS
1	BODY	PP
2	FILTER	PP
3	STUD BOLT	SS41 (PLATING : Zn)
4	O-RING	EPDM FPM
5	FLANGE	PP
6	SIDE O-RING	EPDM FPM
7	FACE O-RING	EPDM FPM
8	DRAIN CAP	PP
9	NUT	SUS 304

PP&PVDF

JIS

Parts Size	d	L	t	JIS 10K			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
15	15	114	13.0	95	70	4-15	10
20	20	120	14.0	100	75	4-15	10
25	25	137	14.5	125	90	4-19	10
30	30	166	16.0	135	100	4-19	10
40	40	166	16.0	140	105	4-19	10
50	50	186	16.0	155	120	4-19	10
65	65	261	20.5	175	140	4-19	7.5
80	75	266	22.0	185	150	8-19	7.5
100	100	300	23.0	210	175	8-19	7.5
125	125	360	25.0	250	210	8-25	5
150	150	363	25.5	280	240	8-25	5
200	202	404	27.0	330	290	12-23	5
250	250	463	30.0	403	355	12-25	5
300	230	540	30.0	445	400	16-25	5

ANSI

Parts Size	d	L	t	ANSI CLASS 150			MAX Working Pressure (kg/cm ²)
				D	C	n-h	
15	0.59	4.49	0.51	3.50	2.38	4-0.63	10
20	0.79	4.72	0.55	3.88	2.75	4-0.63	10
25	0.98	5.39	0.57	4.25	3.12	4-0.63	10
30	1.18	6.54	0.63	4.62	3.50	4-0.63	10
40	1.57	6.54	0.63	5.00	3.88	4-0.63	10
50	1.97	7.32	0.63	6.00	4.75	4-0.75	10
65	2.64	10.28	0.81	7.00	5.50	4-0.75	7.5
80	2.95	10.47	0.87	7.50	6.00	4-0.75	7.5
100	3.94	11.81	0.91	9.00	7.50	8-0.75	7.5
125	4.92	14.17	0.98	10.00	8.50	8-0.87	5
150	5.91	14.29	1.00	11.00	9.50	8-0.87	5
200	7.95	15.91	1.06	13.05	11.75	8-0.87	5
250	9.84	18.23	1.18	16.00	14.25	12-0.98	5
300	9.06	21.26	1.08	19.00	17.00	12-0.98	5

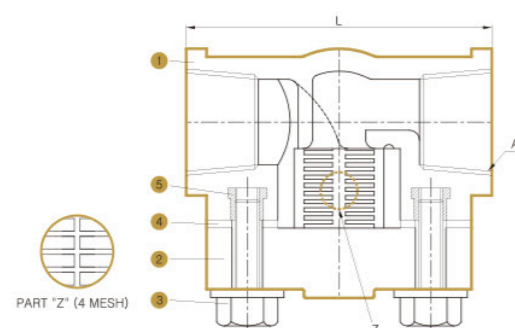
T-Strainer

Thread Type

- Material : PVC, C-PVC, PP, PVDF
- Filter : PVC, C-PVC, PP, PVDF
- Size : 15mm - 50mm, ½" - 2"
- Pressure Rating : JIS 10kgf/cm², 150 PSI
- Packing : EPDM or FPM
- Connections : PT Thread

Special Features

- T-Type
- Optimized Valve for Filtration
- Applicable to Vertical and Horizontal Pipe
- Used Plastic Filter for Outstanding Corrosion Resistance
- Please Install According to Fluid Direction



NO	PARTS	MATERIALS
1	BODY	PP/PVDF/PVC/CPVC
2	BONNET & FILTER	PP/PVDF/PVC/CPVC
3	BOLT	SS41 (PP COATED) SUS 304
4	PACKING	EPDM FPM
5	INSERTED NUT	BC

PP&PVDF

JIS		unit : mm			
Size	Parts	L	H	JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15		75	42	PT 1/2"	10
20		91	52	PT 3/4"	10
25		105	52	PT 1"	10
30		128	73	PT 1 1/4"	10
40		127	73	PT 1 1/2"	10
50		151	82	PT 2"	10

PVC&CPVC

JIS		unit : mm			
Size	Parts	L	H	JIS B 0203 A	MAX Working Pressure (kg/cm ²)
15		77	42	PT 1/2"	10
20		92	52	PT 3/4"	10
25		107	52	PT 1"	10
30		130	73	PT 1 1/4"	10
40		128	73	PT 1 1/2"	10
50		153	82	PT 2"	10

