

# 3-Way Union Ball Valves

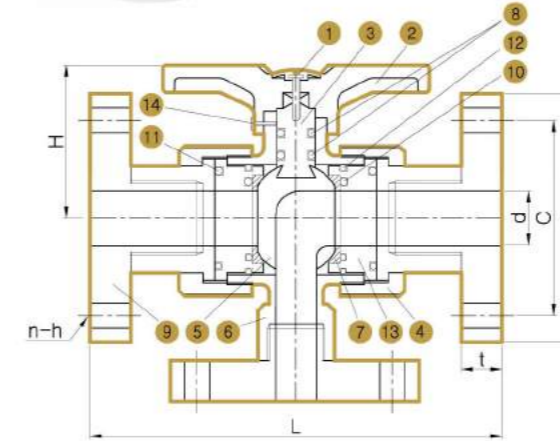


## Flange Type

- Material : PVC, CPVC, PP, PVDF
- Size : 15mm - 50mm, 1/2" - 2"
- Pressure Rating : JIS 10kgf/cm<sup>2</sup>, 150 PSI
- Seals (Seat) : PTFE
- O-Ring : EPDM or FPM
- Connections : ANSI 150 PSI Flanged  
JIS 10kgf/cm<sup>2</sup> Flanged

## Special Features

- L-PORT TYPE의 3-piece구조
- 뛰어난 내구성과 간편한 조작성
- 360° 회전 핸들로 좌,우 배관 선택 용이
- STEM의 2중 O-RING 장착으로 기밀성 확보
- PTFE Seal 장착
- 다양한 Connections (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 Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm <sup>2</sup> )
				D	C	n-h		
15A	12	133	14	95	70	4-15	55	10
20A	18	150	15	100	75	4-15	64	10
25A	23	163	15	125	90	4-19	72	10
30A	28	180	16	135	100	4-19	81	10
40A	37	200	16	140	105	4-19	92	10
50A	48	235	20	155	120	4-19	94	10

ANSI unit : inch

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm <sup>2</sup> )
				D	C	n-h		
1/2"	0.47	5.24	0.55	3.50	2.38	4-0.63	2.17	10
3/4"	0.71	5.91	0.59	3.88	2.75	4-0.63	2.52	10
1"	0.91	6.42	0.59	4.25	3.12	4-0.63	2.83	10
1-1/4"	1.10	7.09	0.63	4.62	3.50	4-0.63	3.19	10
1-1/2"	1.46	7.87	0.63	5.00	3.88	4-0.63	3.62	10
2"	1.89	9.25	0.79	6.00	4.75	4-0.75	3.70	10

## PVC&CPVC

JIS unit : mm

Parts Size	d	L	t	JIS 10K			H	MAX Working Pressure (kg/cm <sup>2</sup> )
				D	C	n-h		
15A	12	133	14	95	70	4-15	55	10
20A	18	150	15	100	75	4-15	64	10
25A	23	168	15	125	90	4-19	72	10
30A	28	180	16	135	100	4-19	81	10
40A	37	205	16	140	105	4-19	92	10
50A	48	240	20	155	120	4-19	94	10

ANSI unit : inch

Parts Size	d	L	t	ANSI CLASS 150			H	MAX Working Pressure (kg/cm <sup>2</sup> )
				D	C	n-h		
1/2"	0.47	5.24	0.55	3.50	2.38	4-0.63	2.17	10
3/4"	0.71	5.91	0.59	3.88	2.75	4-0.63	2.52	10
1"	0.91	6.61	0.59	4.25	3.12	4-0.63	2.83	10
1-1/4"	1.10	7.09	0.63	4.62	3.50	4-0.63	3.19	10
1-1/2"	1.46	8.07	0.63	5.00	3.88	4-0.63	3.62	10
2"	1.89	9.45	0.79	6.00	4.75	4-0.75	3.70	10

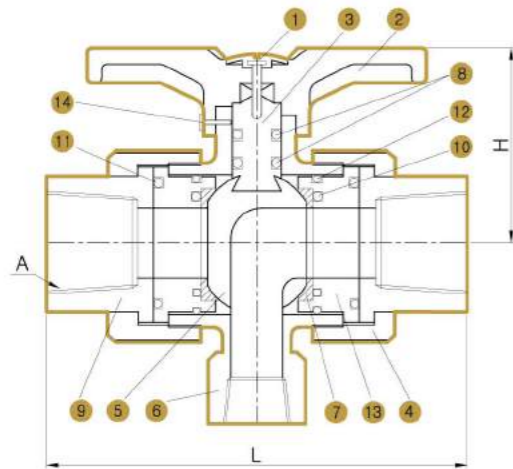
# 3-Way Union Ball Valves

## Thread Type

- Material : PVC, CPVC, PP, PVDF
- Size : 15mm - 50mm, 1/2" - 2"
- Pressure Rating : JIS 10kg/cm<sup>2</sup>, 150 PSI
- Seals (Seat) : PTFE
- O-Ring : EPDM or FPM
- Connections : PT Thread

## Special Features

- L-PORT TYPE의 3-piece구조
- 뛰어난 내구성과 간편한 조작성
- 360° 회전 핸들로 좌,우 배관 선택 용이
- STEM의 2중 O-RING 장착으로 기밀성 확보
- PTFE Seal 장착
- 다양한 Connections (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	JIS B 0203 A	MAX Working Pressure (kg/cm <sup>2</sup> )
15A		102	55	PT 1/2"	10
20A		117	64	PT 3/4"	10
25A		135	72	PT 1"	10
30A		148	81	PT 1 1/4"	10
40A		170	92	PT 1 1/2"	10
50A		196	94	PT 2"	10

## PVC&CPVC

### JIS

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



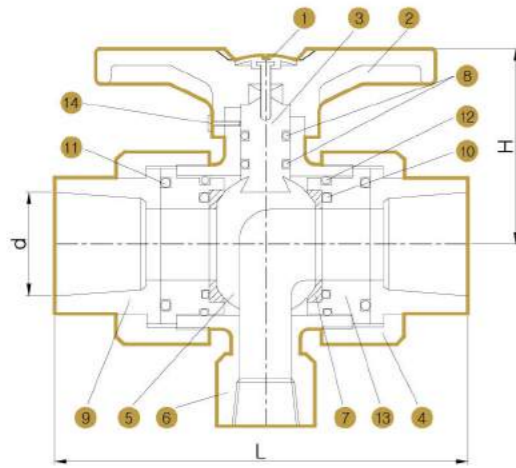
# 3-Way Union Ball Valves

## Socket Type

- Material : PVC, CPVC, PP, PVDF
- Size : 15mm - 50mm, 1/2" - 2"
- Pressure Rating : JIS 10kgf/cm<sup>2</sup>, 150 PSI
- Seals (Seat) : PTFE
- O-Ring : EPDM or FPM
- Connections : Socket

### Special Features

- L-PORT TYPE의 3-piece구조
- 뛰어난 내구성과 간편한 조작성
- 360° 회전 핸들로 좌,우 배관 선택 용이
- STEM의 2중 O-RING 장착으로 기밀성 확보
- PTFE Seal 장착
- 다양한 Connections (Flange, Thread, Socket)



NO	PARTS	MATERIALS
1	HANDLE CAP BOLT	SS41 (ABS COATED)
2	HANDLE	PP
3	STEM	PP/PVDF/PVC/CPVC
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5	BALL	PP/PVDF/PVC/CPVC
6	BODY	PP/PVDF/PVC/CPVC
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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	H	MAX Working Pressure (kg/cm <sup>2</sup> )
15A		22.4	114	55	10
20A		26.4	130	64	10
25A		32.4	159	72	10
30A		38.4	160	81	10
40A		48.4	188	92	10
50A		60.4	216	94	10

## PVC&CPVC

### JIS

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

### ANSI

		unit : inch			
Size	Parts	d	L	H	MAX Working Pressure (kg/cm <sup>2</sup> )
1/2"		0.848	4.53	2.17	10
3/4"		1.058	5.12	2.52	10
1"		1.325	6.26	2.83	10
1-1/4"		1.670	6.30	3.19	10
1-1/2"		1.912	7.52	3.62	10
2"		2.387	8.66	3.70	10

