

SHREYANS IMPORTS AND EXPORTS

Address: Plot 6/2, Shed No 6, Sumukh Ind Estate, Phase 1, Opposite Kiran Industries, GIDC, Vatva, Ahmedabad 382445, India

Cell: +91 90 999 89 276, +91 90 999 89 280 Web: www.shreyanswater.com



Shreyans Imports and Exports



True Union Ball Valve

ADVANTAGES:

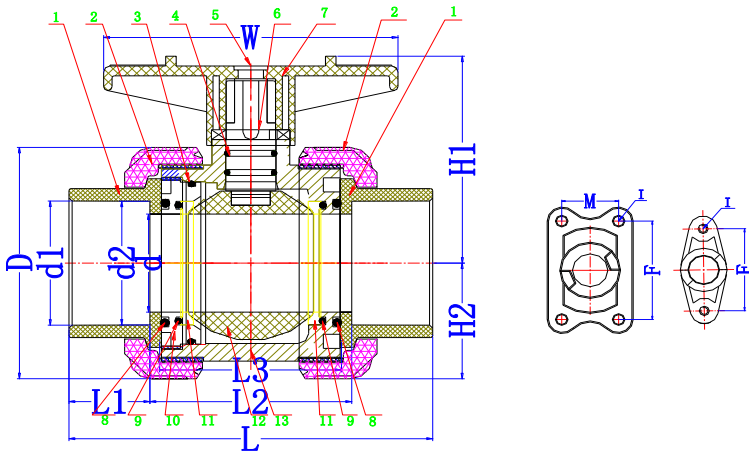
- 1) Materials meet drinking water standard
- 2) Smooth opening & closing thanks to a lower torque
- 3) 100% pure virgin material, CaCO₃ free (Chalk)
- 4) UV resistant powder added
- 5) 100% pressure testing before leaving the factory
- 6) Can be assembled with Pneumatic/Electric Actuators

DESCRIPTION:

- 1) Material: UPVC, CPVC, PP, PVDF
- 2) Size: 1/2" - 4"; 20mm - 110mm; DN15 - DN100
- 3) Standard: ANSI, DIN, JIS, CNS
- 4) Joint End: Socket, Threaded(NPT, PT, BSPF), Fusion, Welding
- 5) Seat - PTFE; ORING - EPDM, VITON/FKM
- 6) Working Pressure: 150 PSI
- 7) Operating Temperature: UPVC(0-55°C); CPVC & PP(0-95°C)
- 8) Handle color : red, blue, green, black, yellow, purple
Valve body color : UPVC(dark gray), CPVC(light gray),
PP(light yellow), PVDF(ivory)



SPECIFICATIONS:



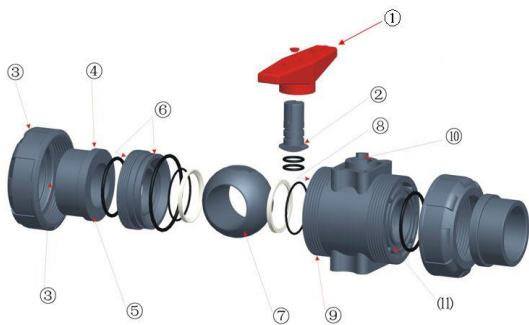
ITEM	PART	MATERIAL	QTY
3/ 4/ 8/ 9	ORING	EPDM / VITON	7
1	UNION END	UPVC / CPVC / PPH	2
2	UNION NUT	UPVC / CPVC / PPH	2
5	CAP	ABS	1
6	STEM	UPVC / CPVC / PPH	1
7	HANDLE	ABS	1
10	SEAL CARRIER	UPVC / CPVC / PPH	1
11	SEAT	PTFE	2
12	BALL	UPVC / CPVC / PPH	1
13	BODY	UPVC / CPVC / PPH	1

UNIT: MM

SIZE	d	d1					d2				
		ANSI	DIN	JIS	CNS	PPH	ANSI	DIN	JIS	CNS	PPH
1/2"(15)	15	21.40	20.25	22.30	22.40	19.30	21.25	20.05	21.85	21.90	19.00
3/4"(20)	20	26.75	25.25	26.30	26.40	24.10	26.58	25.05	25.85	25.90	23.80
1"(25)	25	33.52	32.25	32.33	34.50	31.00	33.28	32.05	31.85	33.90	30.70
1 1/4"(32)	32	42.28	40.25	38.43	42.50	39.00	42.05	40.05	37.85	41.90	38.60
1 1/2"(40)	40	48.40	50.25	48.46	48.60	49.00	48.12	50.05	47.75	47.90	48.60
2"(50)	50	60.45	63.25	60.56	60.60	61.90	60.18	63.05	59.75	59.90	61.40
2 1/2"(65)	63	73.30	75.25	76.60	76.70	73.60	72.85	75.05	75.87	75.90	72.30
3"(80)	75	89.25	90.35	89.60	89.70	88.30	88.70	90.05	88.83	88.90	86.90
4"(100)	90	114.60	110.35	114.70	115.00	108.00	114.10	110.05	113.98	113.80	106.40

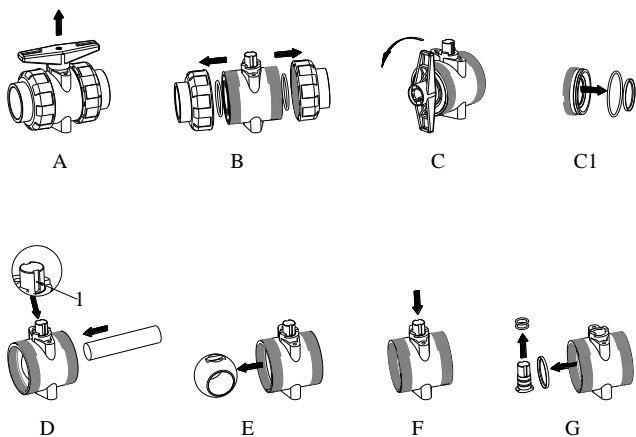
SIZE	D	L	L1	L2	L3	W	H1	H2	F	M	I	operating torque (Nm)
1/2"(15)	54.00	108.00	23.00	62.00	52.00	84.00	52.50	27.50	31.00	-	M6	2.0
3/4"(20)	63.00	115.00	26.00	63.00	54.00	90.00	59.00	32.00	33.00	-	M6	2.5
1"(25)	73.50	130.00	29.00	72.00	62.00	106.00	67.50	37.25	40.00	-	M6	4.0
1 1/4"(32)	84.50	145.50	33.00	79.50	70.00	116.00	77.50	42.75	52.00	-	M8	5.0
1 1/2"(40)	98.00	161.00	35.50	90.00	79.50	128.00	90.00	50.00	52.00	-	M8	7.5
2"(50)	118.00	175.00	38.50	98.00	85.00	140.00	106.00	60.00	70.00	-	M8	8.5
2 1/2"(65)	150.00	276.00	64.50	147.00	133.00	198.00	136.50	76.50	84.00	45.00	M10	13.0
3"(80)	169.00	303.00	70.00	163.00	146.00	218.00	150.00	86.00	84.00	45.00	M10	16.0
4"(100)	190.00	353.00	84.00	185.00	160.00	235.00	166.00	98.00	121.00	49.00	M12	25.0

DESIGNS:



- ① Underside handle extends the length so that both OFF block will not be exposed, more beautiful
- ② Extrusive circular plane change to both side plane, easy processing and assemble
- ③ Lateral plane and ribs of the Union Cap, from the right-angle change to incline to increase the intensity
- ④ Union end from right-angle to slope increase in a round protruding rib to increase the intensity
- ⑤ Surface of Oring change to a plane, and each have been cutting lathe in order to ensure its flatness
- ⑥ Seal carrier and Oring slot is processed by machine, sealing performance is improved.
- ⑦ Each ball has increased turning and grinding to ensure that its true roundness and smoothness. So much easier to handle and not easy leak
- ⑧ Inside body is processed via CNC machine to make sure accurate dimensions
- ⑨ Increase the slope of trapezoidal teeth and the number of teeth in order to ensure their connection strength
- ⑩ Through hole is processed via CNC machine to make sure the stability of sealing
- ⑪ Slot dimension is improved, sealing performance is strengthened.

DISASSEMBLY DETAILS:

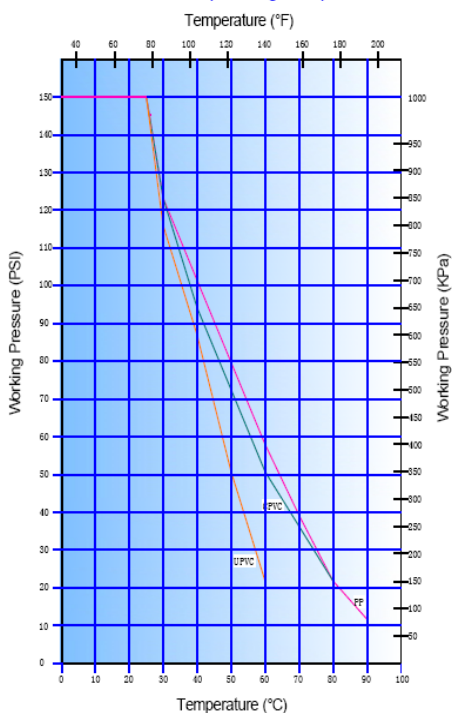


- A - pull out the handle
- B - take apart the nuts
- C - turn the seal carrier in an anticlockwise direction
- C1 - take out the Seat & Oring
- D - push the ball
- E - pick out the ball
- F - press the shaft
- G - pick out the Seat & Oring

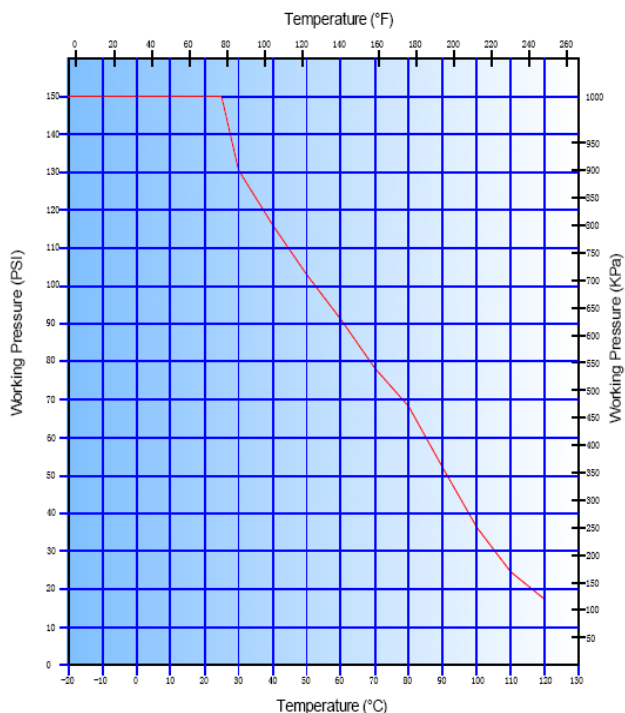
Note:
 1) For above "D" step, pls take note the groove position "1" on the shaft
 2) To assemble the valve, pls follow up the steps from "G" to "A"

MATERIAL GUIDELINE FOR PRESSURE & TEMPERATURE:

PP, CPVC, UPVC Operating Temperature - Pressure



PVDF Operating Temperature - Pressure



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Single Union Check Valve

ADVANTAGES:

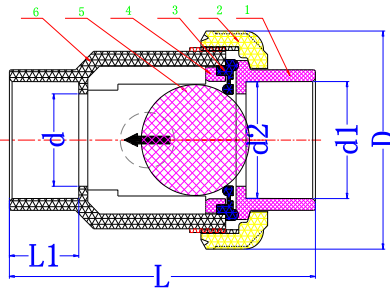
- 1) Ball is available in round ball & cup shape
- 2) Materials meet drinking water standard
- 3) 100% pure virgin material, CaCO3 free (Chalk)
- 4) UV resistant powder added
- 5) Can be assembled vertically or horizontally

DESCRIPTION:

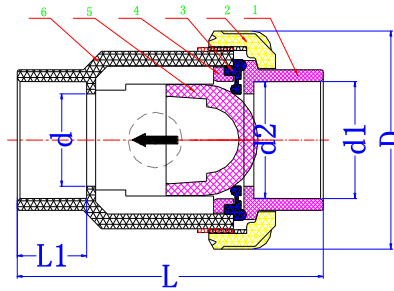
- 1) Material: UPVC, CPVC, PPH
- 2) Size: 1/2" - 3"; 20mm - 90mm ; DN15 - DN80
- 3) Standard: ANSI, DIN, JIS, CNS
- 4) Joint End: Socket or Threaded(NPT,PT,BSPF), Fusion, Welding
- 5) Working Pressure: 150 PSI
- 6) Operating Temperature: UPVC(0-55°C); CPVC & PPH(0-95°C)
- 7) Valve body color : PVC(dark gray/white), CPVC(light gray), PPH(light yellow)



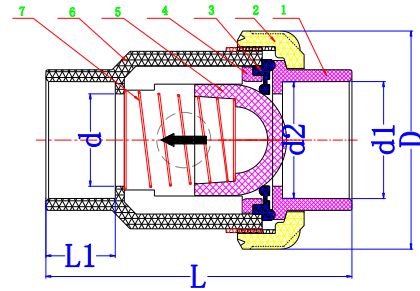
SPECIFICATIONS:



Round Ball Type



Cup Shape Type



Spring Type

Note:

- 1) The round ball is standard type, other types would need to specially produce ;
- 2) For CPVC material, the 2-1/2" & 3" are only in Cup shape type.

ITEM	PART	MATERIAL	QTY
1	UNION END	UPVC / CPVC / PPH	1
2	UNION NUT	UPVC / CPVC / PPH	1
3	SEAL	EPDM / VITON	1
4	SUPPORT	UPVC / CPVC / PPH	1
5	BALL	UPVC / CPVC / PPH	1
6	BODY	UPVC / CPVC / PPH	1

ITEM	PART	MATERIAL	QTY
1	UNION END	UPVC / CPVC / PPH	1
2	UNION NUT	UPVC / CPVC / PPH	1
3	SEAL	EPDM / VITON	1
4	SUPPORT	UPVC / CPVC / PPH	1
5	BALL	UPVC / CPVC / PPH	1
6	BODY	UPVC / CPVC / PPH	1
7	SPRING	SUS304	1

Unit: MM

SIZE	d	d1					d2					D	L	L1
		ANSI	DIN	JIS	CNS	PPH	ANSI	DIN	JIS	CNS	PPH			
1/2"(15)	15	21.40	20.25	22.30	22.40	19.30	21.25	20.05	21.85	21.90	19.00	54.00	91.00	23.00
3/4"(20)	20	26.75	25.25	26.30	26.40	24.10	26.58	25.05	25.85	25.90	23.80	63.00	106.50	26.00
1"(25)	25	33.52	32.25	32.33	34.50	31.00	33.28	32.05	31.85	33.90	30.70	73.50	125.00	29.00
1 1/4"(32)	32	42.28	40.25	38.43	42.50	39.00	42.05	40.05	37.85	41.90	38.60	84.50	141.00	33.00
1 1/2"(40)	40	48.40	50.25	48.46	48.60	49.00	48.12	50.05	47.75	47.90	48.60	98.00	150.50	35.50
2"(50)	50	60.45	63.25	60.56	60.60	61.90	60.18	63.05	59.75	59.90	61.40	119.00	169.50	38.50
2 1/2"(65)	63	73.30	75.25	76.60	76.70	73.60	72.85	75.05	75.87	75.90	72.30	150.00	245.00	64.50
3"(80)	75	89.25	90.35	89.60	89.70	88.30	88.70	90.05	88.83	88.90	86.90	169.00	270.00	70.00

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Ball Check Valve

ADVANTAGES:

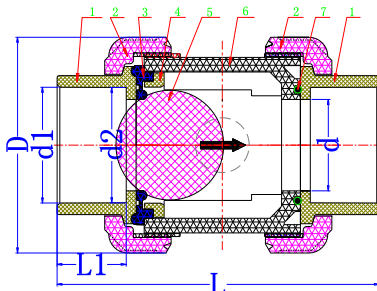
- 1) Ball is available in round ball & cup shape
- 2) Materials meet drinking water standard
- 3) 100% pure virgin material, CaCO3 free (Chalk)
- 4) UV resistant powder added
- 5) Can be assembled vertically or horizontally

DESCRIPTION:

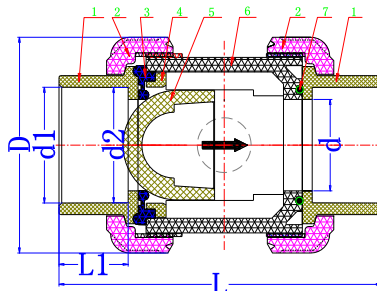
- 1) Material: UPVC, CPVC, PPH
- 2) Size: 1/2" - 2"; 20mm - 63mm ; DN15 - DN50
- 3) Standard: ANSI, DIN, JIS, CNS
- 4) Joint End: Socket or Threaded(NPT,PT,BSPF), Fusion, Welding
- 5) Working Pressure: 150 PSI
- 6) Operating Temperature: UPVC(0-55°C); CPVC & PPH(0-95°C)
- 7) Valve body color : UPVC(dark gray), CPVC(light gray), PPH(light yellow)



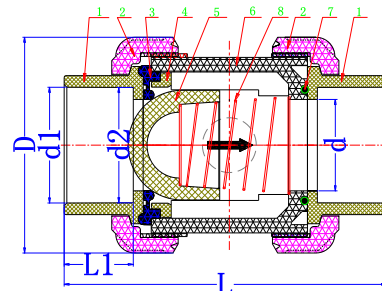
SPECIFICATIONS:



Round Ball Type



Cup Shape Type



Spring Type

Note: The round ball is standard type, other types would need to specially produce ;

ITEM	PART	MATERIAL	QTY
1	UNION END	UPVC / CPVC / PPH	2
2	UNION NUT	UPVC / CPVC / PPH	2
3	SEAL	EPDM / VITON	1
4	SUPPORT	UPVC / CPVC / PPH	1
5	BALL	UPVC / CPVC / PPH	1
6	BODY	UPVC / CPVC / PPH	1
7	ORING	EPDM / VITON	1

ITEM	PART	MATERIAL	QTY
1	UNION END	UPVC / CPVC / PPH	2
2	UNION NUT	UPVC / CPVC / PPH	2
3	SEAL	EPDM / VITON	1
4	SUPPORT	UPVC / CPVC / PPH	1
5	BALL	UPVC / CPVC / PPH	1
6	BODY	UPVC / CPVC / PPH	1
7	ORING	EPDM / VITON	1
8	SPRING	SS304	1

SIZE	d	d1					d2					D	L	L1
		ANSI	DIN	JIS	CNS	PPH	ANSI	DIN	JIS	CNS	PPH			
1/2"(15)	15	21.40	20.25	22.30	22.40	19.30	21.25	20.05	21.85	21.90	19.00	54.00	91.00	23.00
3/4"(20)	20	26.75	25.25	26.30	26.40	24.10	26.58	25.05	25.85	25.90	23.80	63.00	106.50	26.00
1"(25)	25	33.52	32.25	32.33	34.50	31.00	33.28	32.05	31.85	33.90	30.70	73.50	125.00	29.00
1 1/4"(32)	32	42.28	40.25	38.43	42.50	39.00	42.05	40.05	37.85	41.90	38.60	84.50	141.00	33.00
1 1/2"(40)	40	48.40	50.25	48.46	48.60	49.00	48.12	50.05	47.75	47.90	48.60	98.00	150.50	35.50
2"(50)	50	60.45	63.25	60.56	60.60	61.90	60.18	63.05	59.75	59.90	61.40	119.00	169.50	38.50

Unit: MM

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Swing Check Valve

ADVANTAGES:

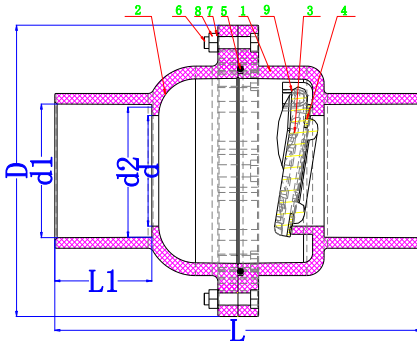
- 1) Materials meet drinking water standard
- 2) 100% pure virgin material, CaCO₃ free (Chalk)
- 3) UV resistant powder added
- 4) Can be assembled vertically or horizontally

DESCRIPTION:

- 1) Material: UPVC, CPVC
- 2) Size: 4" - 6"; 110mm - 160mm ; DN100 - DN150
- 3) Standard: ANSI, DIN, JIS, CNS
- 4) Joint End: Socket or Threaded(NPT,PT,BSPF)
- 5) Working Pressure: 150 PSI
- 6) Operating Temperature: UPVC(0-55°C); CPVC(0-95°C)
- 7) Valve body color : UPVC(dark gray), CPVC(light gray),



SPECIFICATIONS:



ITEM	PART	MATERIAL	QTY
1	LOWER BODY	UPVC / CPVC	1
2	UPPER BODY	UPVC / CPVC	1
3	VALVE CLACK	UPVC / CPVC	1
4	SEAL	EPDM / VITON	1
5	ORING	EPDM / VITON	1
6	BOLT	SUS304	8 / 12
7	PAD	SUS304	8 / 12
8	NUT	SUS304	8 / 12
9	BUCKLE	UPVC / CPVC	2

Unit: MM

SIZE	d	d1				d2				D	L	L1
		ANSI	DIN	JIS	CNS	ANSI	DIN	JIS	CNS			
4" (100)	95	114.76	110.40	114.70	115.00	114.10	110.10	113.98	113.80	205.00	274.00	84.00
5" (125)	125	141.81	140.50	140.80	141.00	141.00	140.20	140.10	139.70	260.00	392.00	77.00
6" (150)	150	168.83	160.50	166.00	166.20	168.00	160.10	164.70	165.30	290.00	390.00	86.50

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Deluxe Handle Butterfly Valve

ADVANTAGES:

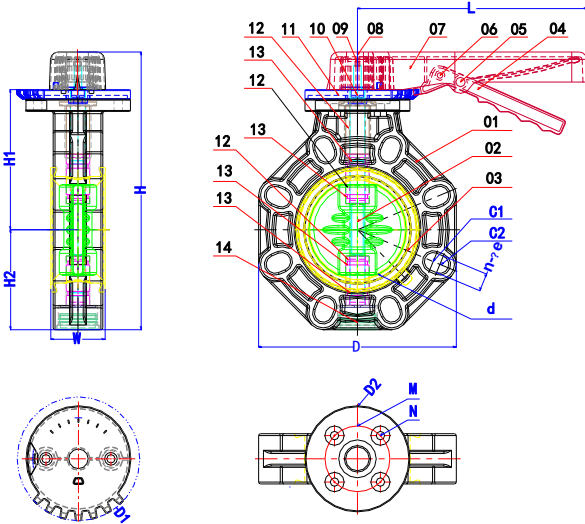
- 1) Excellent designs with stable performance
- 2) Thickened body & seal to extend the service life
- 3) Materials meet drinking water standard
- 4) 100% pure virgin material, CaCO₃ free (Chalk)
- 5) UV resistant powder added
- 6) Can be assembled with Pneumatic/Electric Actuators

DESCRIPTION:

- 1) Material: UPVC, CPVC, PPH, PVDF
- 2) Size: 2" - 8" ; 63mm - 225mm ; DN50 - DN200
- 3) Standard: ANSI, DIN, JIS
- 4) Joint End: Flanges
- 5) Working Pressure: 150 PSI
- 6) Operating Temperature: UPVC(0-55°C); CPVC & PPH(0-95°C)
- 7) Valve body color : UPVC(dark gray), CPVC(light gray), PPH(light yellow)



SPECIFICATIONS:



ITEM	PART	MATERIAL	QTY
1	BODY	UPVC / CPVC / PPH / PVDF	1
2	DISC	UPVC / CPVC / PPH / PVDF	1
3	SEAL	EPDM / VITON	1
4	HANDLE LEVEL	POM	1
5	LOCKING PIN	POM	1
6	SET PIN	SUS304 / 316	1
7	HANDLE	ABS	1
8	CAP	ABS	1
9	BOLT	SUS304 / 316	1
10	STEM WASHER	SUS304 / 316	1
11	ROTATING PAD	UPVC / CPVC / PPH / PVDF	1
12	SHAFT LINER	PP	3
13	ORING	EPDM / VITON	6
14	BOTTOM CAP	PP	1

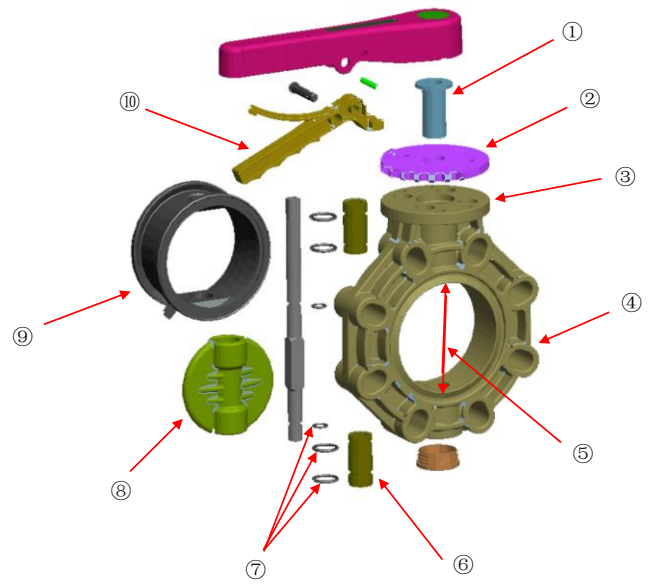
Unit: MM

SIZE	d	C1	C2	H	H1	H2	W	D
2" (50)	52.00	120.00	125.00	175.00	108.00	67.00	48.00	136.00
2½" (65)	66.00	140.00	145.00	201.00	120.00	81.00	48.00	156.00
3" (80)	78.50	150.00	160.00	232.00	136.00	96.00	52.00	190.00
4" (100)	104.00	175.00	191.00	293.00	148.00	107.00	53.00	211.00
5" (125)	138.00	210.00	216.00	323.00	164.00	118.00	66.00	238.00
6" (150)	164.00	240.00	242.00	362.00	180.00	132.00	72.00	263.00
8" (200)	210.00	290.00	298.00	435.00	217.00	167.00	72.00	335.00

SIZE	D1	D2	M	N	L	n-e		operating torque (N-M)
						JIS	DIN/ANSI	
2" (50)	130.80	112.00	70.00	9.00	220.00	4-19		15
2½" (65)	130.80	112.00	70.00	9.00	231.00	4-19		18
3" (80)	130.80	112.00	70.00	9.00	231.00	8-19		20
4" (100)	130.80	112.00	70.00	9.00	231.00	8-19		30
5" (125)	130.80	112.00	70.00	9.00	280.00	8-23		33
6" (150)	155.00	136.00	102.00	11.00	280.00	8-23		48
8" (200)	155.00	136.00	102.00	12.00	280.00	12-23	8-23	80

DESIGNS:

- ① PP shaft liner to protect the SS stem for reliable performance
- ② Update the design with switching angle control, easy to remove rusty metal
- ③ Increase in pneumatic / electric operating platform to facilitate customer replacement screw hole
- ④ Valve designed with heavier weight, higher performance of force area to extend the service life
- ⑤ Sealing surface & through holes are processed by CNC machines, reliable sealing
- ⑥ Sleeves are specially covered on the top & bottom of stem, to protect from chemicals
- ⑦ Each 3 Orings are designed on the top & bottom of stem, sealing performance is improved.
- ⑧ The disc is processed by CNC machines with reliable performance
- ⑨ The seal is specially thickened, to enhance sealing performance.
- ⑩ The grip change to POM material, to eliminate the possibility of old rust and easy to operate



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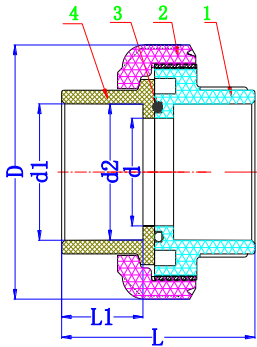
Union

DESCRIPTION:

- 1) Material: UPVC, CPVC, PPH
- 2) Size: 1/2" - 4" ; 20mm - 110mm ; DN15 - DN100
- 3) Standard: ANSI, DIN, JIS, CNS, NPT, BSPT, BSPF
- 4) Joint End: Sockets or Threads
- 5) Working Pressure: 150 PSI
- 6) Operating Temperature: UPVC(0~55°C); CPVC & PPH(0~95°C)
- 7) Valve body color : UPVC(dark gray), CPVC(light gray), PPH(light yellow)



SPECIFICATIONS:



ITEM	PART	MATERIAL	QTY
1	BODY	UPVC / CPVC / PPH	1
2	UNION NUT	UPVC / CPVC / PPH	1
3	ORING	EPDM / VITON	1
4	UNION END	UPVC / CPVC / PPH	1

UNIT: MM

SIZE	d	d1				
		ANSI	DIN	JIS	CNS	PPH
1/2"(15)	15	21.40	20.25	22.30	22.40	19.30
3/4"(20)	20	26.75	25.25	26.30	26.40	24.10
1"(25)	25	33.52	32.25	32.33	34.50	31.00
1 1/4"(32)	32	42.28	40.25	38.43	42.50	39.00
1 1/2"(40)	40	48.40	50.25	48.46	48.60	49.00
2"(50)	50	60.45	63.25	60.56	60.60	61.90
2 1/2"(65)	63	73.30	75.25	76.60	76.70	73.60
3"(80)	75	89.25	90.35	89.60	89.70	88.30
4"(100)	90	114.60	110.35	114.70	115.00	108.00

UNIT: MM

SIZE	d2					D	L	L1
	ANSI	DIN	JIS	CNS	PPH			
1/2"(15)	21.25	20.05	21.85	21.90	19.00	54.00	54.00	23.00
3/4"(20)	26.58	25.05	25.85	25.90	23.80	63.00	60.50	26.00
1"(25)	33.28	32.05	31.85	33.90	30.70	73.50	67.50	29.00
1 1/4"(32)	42.05	40.05	37.85	41.90	38.60	84.50	77.00	33.00
1 1/2"(40)	48.12	50.05	47.75	47.90	48.60	98.00	83.50	35.50
2"(50)	60.18	63.05	59.75	59.90	61.40	119.00	90.50	38.50
2 1/2"(65)	72.85	75.05	75.87	75.90	72.30	150.00	143.00	64.50
3"(80)	88.70	90.05	88.83	88.90	86.90	169.00	158.00	70.00
4"(100)	114.10	110.05	113.98	113.80	106.40	190.00	200.00	84.00

DESIGN ADVANTAGES:

- ① Union end from right-angle to slope increase in a round protruding rib to increase the intensity
- ② Surface of Oring change to a plane, and each have been cutting lathe in order to ensure its flatness
- ③ Lateral plane and ribs of the Union Cap, from the right-angle change to incline to increase the intensity
- ④ Union surface is milled by machine after moulding & the Oring slot is processed by CNC machine for union above 2 1/2" to enhance sealing performance

