

Ball Valves

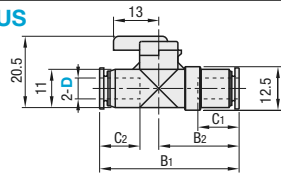
One-Touch Couplings

Union Straight - Single Handle



RoHS

BVUS

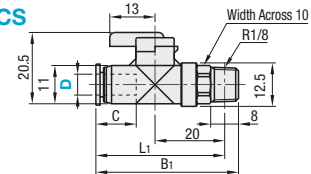


Straight - Single Handle



RoHS

BVCS

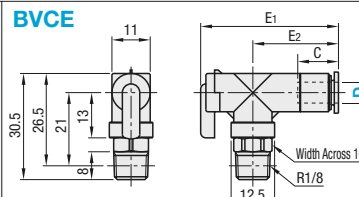


Elbows - Single Handle



RoHS

BVCE

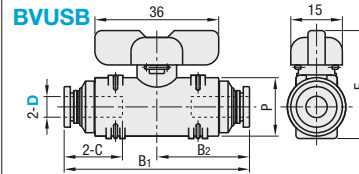


Union Straight - Double Handle



RoHS

BVUSB

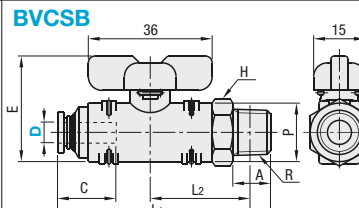


Straight - Double Handle



RoHS

BVCSB

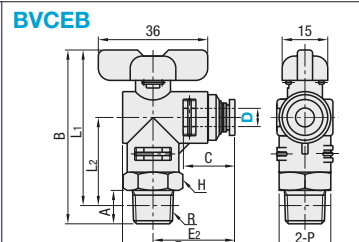


Elbows - Double Handle

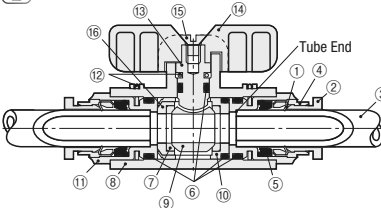


RoHS

BVCEB



Structure Diagram



No.	Name of Parts	Material
①	Lock Pawl	Stainless Steel
②	Release Ring	POM / Polyacetal
③	Tube	Polyurethane or Nylon
④	Guide Ring	Brass (Electroless Nickel Plating)
⑤	Elastic Sleeve	NBR, Nitrile Rubber
⑥	O-Rings	NBR, Nitrile Rubber
⑦	Ball Seal	Teflon Resin
⑧	Resin Body	Single Handle Type: PBT, Polybutylene Terephthalate Double Handle Type: PPS, Polyphenylene Sulfide
⑨	Ball	Brass (Electroless Nickel Plating)
⑩	Ball Holder	Brass (Electroless Nickel Plating)
⑪	Coupling Metal Body	Brass (Electroless Nickel Plating)
⑫	Lock Pin	Stainless Steel
⑬	Stem	Brass (Electroless Nickel Plating)
⑭	Handle	POM / Polyacetal
⑮	Flat Pan-Head Screw	Steel
⑯	Ball Holder	Brass (Electroless Nickel Plating)

Features

- Single handle type has a scale on lever and is able to control the flow.
- Double handle type is possible to flow water.

Specifications

Type	Single Handle	Double Handle
Applicable Fluid	Air	Air, Water (*)
Operating Temperature Range	0 ~ 60°C (No Freezing)	
Operating Pressure Range	0~0.7MPa	0~0.9MPa
Operating Vacuum Level		~100kPa

- * Observe following conditions when water is the applicable fluid.
- Operating Pressure: 0 ~ 0.3MPa
 - No water hammer (impulsive flow)
 - Attach Insert for Soft Tubes (P.1390) to plumbing tube.

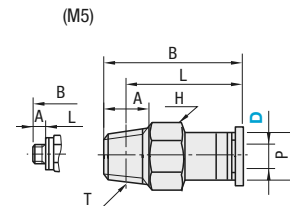
Check Valves

Check Valves



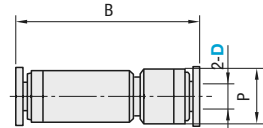
RoHS

BVCVP



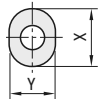
Flow Direction: A
Flow Direction: B

(Nominal 4, 6, 8)



OUT
IN

(Color Ring Shape)



JIS
Graphic Symbol

Part Number		Nominal Selection	Flow Direction	Thread Size T	A	B	L	P	H (Wrench Flats)	X	Y	Effective Sectional Area (mm²)	Mass (g)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~30
Type	Tube O.D. (mm) D														
BVCVP	4	M5	A	M5x0.8	3	24.2	21.2	9	8	9.8	7.8	2.6	4.3		
		1	B	R1 / 8	8	23.9	19.9	9	10			2.7	7.7		
		4	-	-	-	31.5	-	9	-			2.9	3.7		
		12	-	-	-	68.6	34.3	24	23.3			37.8	55.5	100	
	6	1	A	R1 / 8	8	30.5	26.5	11	10	11.8	9.8	7.2	9.0		
		2	B	R1 / 4	11	27.8	21.8	11	14			7.3	16.1		
		6	-	-	-	34	-	11	-			7.5	5.4		
		1	A	R1 / 8	8	35.5	31.5	14	14			7.3	19.3		
	8	2	B	R1 / 4	11	39.5	33.5	15	-			14.5	21.7		
		8	-	-	-	47.3	-	-	-			15.5	13.0		

Name of Parts	Material	Surface Treatment
Resin Body	PBT	-
O-Rings	NBR	-
Valve Body	POM	-
Valve Retainer	POM	-
Valve Gasket	NBR	-
Release Ring	POM	-
Guide Ring	Brass	Electroless Nickel Plating
Spring	Stainless Steel	
Elastic Sleeve	NBR	-
Metal Part	Brass	Electroless Nickel Plating

Features

- Capable of maintaining OUT pressure unchanged to prevent a back flow of air.
- Suitable for holding vacuum and for low-pressure plumbing.
- Lightweight due to resin material.

Specifications

Applicable Fluid	Air
Operating Pressure Range	0.1~0.9MPa
Min. Operating Pressure*	0.01MPa
Operating Temperature Range	0 ~ 60°C (No Freezing)
Minimum reverse differential pressure	0.04MPa

*The minimum differential pressure is the initial pressure on the secondary (OUT) side when air flows from the free flow side.



Ordering Example
Part Number - Nominal - Flow Direction
BVCVP4 - M5 - B
BVCVP6 - 6 -