

Ball Valve SUS304

Push-In Fitting Type of Corrosion Resistant SUS304 Shut-off Valve (2 port valve)

Safety instructions for this product

Safety instructions, Common safety instructions for each product category and Detailed safety instructions for each product are in the end of this catalog and our website.

Model Designation (Example)



(1) Ball Valve

(2) Type

Code	C	LC	U	LU	G	LG
Type	Straight	Elbow	Union Straight	Union Elbow	Unequal dia. Union Straight	Unequal dia. Union Elbow

(3) Effective sectional area

Code	20	60
Effective sectional area (mm ²)	20	60

(4) Port 1 size (øD, øD₁, R)

■ Tube dia.

Code	mm size (mm)				inch size (inch)			
	06	08	10	12	1/4	5/16	3/8	1/2
Tube O.D.	ø6	ø8	ø10	ø12	ø1/4	ø5/16	ø3/8	ø1/2

■ Thread size

Code	Taper pipe thread				National pipe thread tapered			
	01	02	03	04	N1	N2	N3	N4
Thread size	R1/8	R1/4	R3/8	R1/2	NPT1/8	NPT1/4	NPT3/8	NPT1/2

(5) Port 2 size (øD₂, R)

■ See (4) for the Tube dia. and thread size.

* For inch size, please enter a hyphen "-" before Port 2 size.

(6) Metal material

SUS: SUS304

Model Designation of accessories



(1) Ball Valve

(2) Type

Code	UH	LCP	LO
Type	Mounting bracket for Union type	Co-rotating stopper for Elbow type	Lockout

(3) Applicable series (No entry for Lock-out.)

Code	20	60
Series	20 Series	60 Series

Characteristics

Best suitable for use in chemical atmospheres.

SUS304 is used for the metal material, and FKM is used for the seal rubber material.

Accessories for Ball valve are also available.

Mounting bracket for Union type, Co-rotating stopper for elbow type and Lockout are available.

Specifications

Fluid medium	Air, Water (conditional*), Other chemicals (conditional*)
Max. operating pressure	0.9 MPa
Max. vacuum	-100 kPa
Operating temp. range	Thread type: 0 to 60°C (No freezing)
	Union type: 0 to 80°C (No freezing)

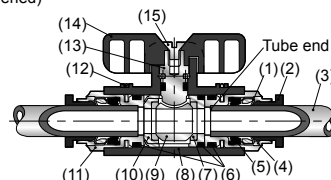
△ Warning:

* Make sure to follow the instructions below when the fluid medium is water or liquid.

1. Surge pressure must be controlled lower than max. operating pressure when using water as a fluid medium.
2. Tap water in Japan, which is soft water (low mineral content) can be used. Carry out the evaluation under an actual operating condition for using other kind of water.
3. Be sure to place Insert ring into the tube edge when using water as a fluid medium.
4. The specification may not be applied, depending on the kind of chemicals or mixed gassed used as fluid medium. Make sure to use PISCO products after verifying their suitability on the user side.

Sectional drawing

Union straight:
BVU-SUS (Handle: Opened)



No.	Parts	Material
(1)	Lock claws	Stainless steel
(2)	Release ring	Glass Fiber Reinforced PBT
(3)	Tube	Polyurethane or nylon, etc
(4)	Guide ring	SUS304
(5)	Elastic sleeve	FKM
(6)	O-ring	FKM
(7)	Ball seal	PTFE
(8)	Resin body	Glass fiber reinforced PPS
(9)	Ball	SUS304
(10)	Ball support	SUS304
(11)	Metallic body	SUS304
(12)	Lock pin	Stainless steel
(13)	Stem	SUS304
(14)	Cock	POM
(15)	Machine screw	SUS304
(16)	Ball holder	SUS304

RoHS2 (2011/65/EU+EU2015/863) compliant

Type			Model code BVU[3]-øD ₁ øD ₂ SUS			Type			Model code BVG[3]-øD ₁ øD ₂ SUS			Type			Model code BVLU[3]-øD ₁ øD ₂ SUS											
Union BVU  øD₁			BVU20-0606SUS			BVU20-1/4-1/4SUS			Unequal Dia. Union Straight BVG  øD₁			BVG20-0806SUS			BVG20-5/16-1/4SUS			Union Elbow BVLU  øD₁ øD₂			BVLU20-0606SUS			BVLU20-1/4-1/4SUS		
			BVU20-0808SUS			BVU20-5/16-5/16SUS						BVG60-1210SUS			BVG60-1/2-3/8SUS						BVLU20-0808SUS			BVLU20-5/16-5/16SUS		
			BVU60-1010SUS			BVU60-3/8-3/8SUS						BVG20-5/16-1/4SUS									BVLU60-1010SUS			BVLU60-3/8-3/8SUS		
			BVU60-1212SUS			BVU60-1/2-1/2SUS						BVG60-1/2-3/8SUS									BVLU60-1212SUS			BVLU60-1/2-1/2SUS		
Type			Model code BVC[3]-øD RSUS			Type			Model code BVLC[3]-øD RSUS			Type			Model code BVLG[3]-øD ₁ øD ₂ SUS											
Straight BVC  øD R			BVC20-0601SUS			BVC20-1/4-N1SUS			Elbow BVLC  øD R			BVLC20-0601SUS			BVLC20-1/4-N1SUS			Unequal dia. Union Elbow BVLG  øD₁ øD₂			BVLG20-0608SUS			BVLG20-1/4-5/16SUS		
			BVC20-0602SUS			BVC20-1/4-N2SUS						BVLC20-0602SUS			BVLC20-1/4-N2SUS						BVLG20-0806SUS			BVLG20-5/16-1/4SUS		
			BVC20-0603SUS			BVC20-1/4-N3SUS						BVLC20-0603SUS			BVLC20-1/4-N3SUS						BVLG60-1012SUS			BVLG60-3/8-1/2SUS		
			BVC20-0801SUS			BVC20-5/16-N1SUS						BVLC20-0801SUS			BVLC20-5/16-N1SUS						BVLG60-1210SUS			BVLG60-1/2-3/8SUS		
			BVC20-0802SUS			BVC20-5/16-N2SUS						BVLC20-0802SUS			BVLC20-5/16-N2SUS											
			BVC20-0803SUS			BVC20-5/16-N3SUS						BVLC20-0803SUS			BVLC20-5/16-N3SUS											
			BVC60-1002SUS			BVC60-1/2-N2SUS						BVLC60-1002SUS			BVLC60-1/2-N2SUS											
			BVC60-1003SUS			BVC60-1/2-N3SUS						BVLC60-1003SUS			BVLC60-1/2-N3SUS											
			BVC60-1004SUS			BVC60-1/2-N4SUS						BVLC60-1004SUS			BVLC60-1/2-N4SUS											
			BVC60-1202SUS			BVC60-3/8-N2SUS						BVLC60-1202SUS			BVLC60-3/8-N2SUS											
			BVC60-1203SUS			BVC60-3/8-N3SUS						BVLC60-1203SUS			BVLC60-3/8-N3SUS											
			BVC60-1204SUS			BVC60-3/8-N4SUS						BVLC60-1204SUS			BVLC60-3/8-N4SUS											
Option																										
Type		Model code	Type		Model code	Type		Model code																		
Mounting bracket for Union type BVUH 		BVUH20	Co-rotating stopper for Elbow type BVLCP 		BVLC20	Lockout BVLO 		BVLO																		
		BVUH60			BVLC60																					



Notes

- *1. Release ring color : White for inch type
- *2. The material of the union type mounting bracket and the elbow type co-rotating stopper is PBT, and the material of the lockout is PP.



Packaging specifications

- 1 pc. /bag
- 1 set (2 pieces) /bag: Elbow type stopper
- ▶ The elbow type co-rotating stopper is a set of 2 parts.

