

# Ball Valves

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

# MISUMI C-VALUE Ball Valves

Points of comparison between similar products ① JIS, JV Standard Compliant, ② RoHS Compliant

## Reduced Bore Type



Type	Material		Max. Operating Pressure
	Main Body	Ball Seat	
BRTK	C3771BE	Fluororesin containing Glass Fiber	Water, Oil, Air: 4.12MPa
BSFF	SCS13A	Fluororesin	Water, Oil, Air, Gas: 4.12MPa
BSFFS	SCS14A	Fluororesin	Saturated Steam: 1MPa

**A (Lever Type)**

**BRTK**

**B (Wing Knob Type)**

**BSFF, BSFFS**

Type	Handle Shape	No.	Rc (PT)	d	S	Shape A			Shape B			BRTK		BSFF		BSFFS	
						L	(H)	W	L	(H)	W	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate	Unit Price	Volume Discount Rate
BRTK BSFF BSFFS	A (Lever Type)	8A	1/4	4.5 (5)	17	39	31 (35)	60 (65)	39	25 (27)	35 (51)	1-4 pc(s)	5-10 pcs.				
		10A	3/8	6.8 (7)	21	44	36 (39)	70 (88)	44	29	40 (55)						
		15A	1/2	9.2	25	56.5 (59)	41 (42)	85 (82)	56.5 (59)	35 (33)	55 (57)						
		20A	3/4	12.5	32	59 (60)	44 (45)	85 (82)	59 (60)	39 (38)	55 (57)						
		25A	1	16 (15)	38	71 (72)	48 (51)	100	71 (-)	40.8 (-)	69 (-)						

Dimensions in ( ) are for BSFF and BSFFS. For BSFF and BSFFS, Handle Shape B / No.25A product is not sold.

## Full Bore (High Flow Rate) Type



Type	Material		Max. Operating Pressure
	Main Body	Ball Seat	
BRTW	C3771BE	Fluororesin containing Glass Fiber	Water, Oil, Air: 4.12MPa
BSCSF	SCS14A	Fluororesin	Water, Oil, Air, Gas: 4.12MPa Saturated Steam: 1MPa

**A (Lever Type)**

**BRTW**

**B (Wing Knob Type)**

**BSCSF**

Type	Handle Shape	No.	Rc (PT)	d	S	Shape A			Shape B			Unit Price	Volume Discount Rate
						L	(H)	W	L	(H)	W		
BRTW	A (Lever Type)	8A	1/4	10	20	50	37	70	50	35	55		
		10A	3/8	10	22	50	37	70	50	35	55		
		15A	1/2	15	26	65	40	80	65	41	70		
		20A	3/4	20	32	68	44	80	68	45	70		
		25A	1	25	39	79	50	110	79	54	100		
BSCSF	Not available	15A	1/2	15	27	68	59	102	-	-	-		
		20A	3/4	20	33	77	62	120	-	-	-		
		25A	1	25	40	90	76	150	-	-	-		
		40A	1 1/2	38	56	111	88	165	-	-	-		
		50A	2	50	70	126	95	165	-	-	-		

Ordering Example Part Number BRTKA10A BRTWB15A

Points of comparison between similar products ① GB, ASME Standard Equivalent, ② Not RoHS Compliant

For similar parts P.1331

## Reduced Bore Type



Type	Handle Shape	Material		Max. Operating Pressure
		Main Body	Ball Seat	
C-BSFFA	Lever Type	Stainless Steel	Fluororesin	Water, Oil, Air, Gas: 4.12MPa

Type	No.	Rc (PT)	d	S	L	(H)	W	Unit Price	Volume Discount Rate
								1 ~ 4 pc(s).	5 ~ 10 pcs.
C-BSFFA	8A	1/4	4.6	16.5	39	30	63		
	10A	3/8	7	20.5	43	38	84		
	15A	1/2	9	24.5	51.5	38	89		
	20A	3/4	12.5	30	56.5	41	89		
	25A	1	15	37.5	66.5	53	109		

## Full Bore Type (High Flow Rate)



Type	Handle Shape	Material		Max. Operating Pressure
		Main Body	Ball Seat	
C-BSCSF	Lever Type	Stainless Steel	Fluororesin	Water, Oil, Air, Gas: 4.12MPa

Type	No.	Rc (PT)	d	S	L	(H)	W	Unit Price	Volume Discount Rate
								1 ~ 4 pc(s).	5 ~ 10 pcs.
C-BSCSF	15A	1/2	15	25	59.5	55	100		
	20A	3/4	20	31	65.5	65	108		
	25A	1	25	38	76.5	70	119		
	40A	1 1/2	38	53	101	87	150		

Ordering Example Part Number C-BSFFA20A

# Ball Valves

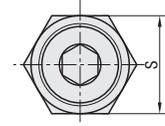
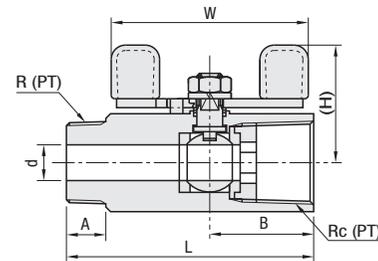
PT Male / PT Female, PT / PF Female

## PT Male / PT Female



RoHS

Type	Material	Max. Operating Pressure
BSRC	Main Body: SCS14A Ball Seat: Fluororesin	Water, Oil, Air, Gas: 4.12MPa Saturated Steam: 1MPa



Part Number		R·Rc (PT)	d	A	B	S	L	(H)	W	Unit Price	Volume Discount Rate
Type	No.									1 ~ 4 pc(s).	5 ~ 10 pcs.
BSRC	8A	1/4	7	11	20	17	57	26	51		
	10A	3/8	7	12	28	21	68	29	55		

## PT / PF Female

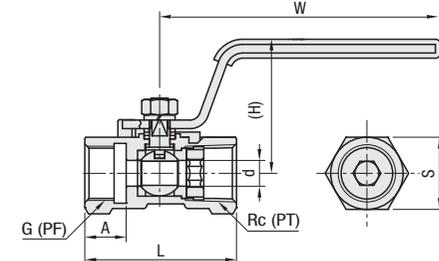


RoHS

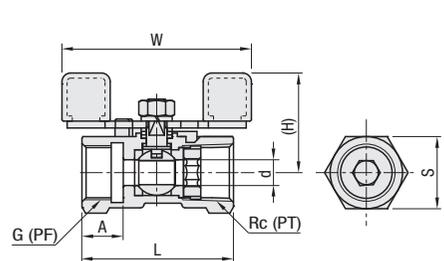
Type	Material	Max. Operating Pressure
BSGF	Main Body: SCS14A Ball Sheet: Fluororesin	Water, Oil, Air, Gas: 4.12MPa Saturated Steam: 1MPa

**Application**  
With Rc (PT) male inlet port and G (PF) male outlet port, it is best suitable for use with a pressure gauge.

A (Lever Type)



B (Wing Knob Type)



Part Number		Rc (PT)	G (PF)	L	A	d	S	Shape A		Shape B		Unit Price	Volume Discount Rate
Type	No.							(H)	W	(H)	W		
BSGF	A (Lever Type) 8A	1/4	1/4	39	11.5	5	17	27	65	27	51		
	B (Wing Knob Type) 10A	3/8	3/8	44	12	7	21	39	68	29	55		

Ordering Example  
Part Number  
BSRC8A  
BSGF8A

# Ball Valves

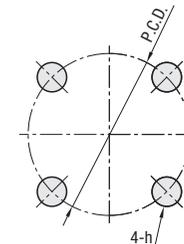
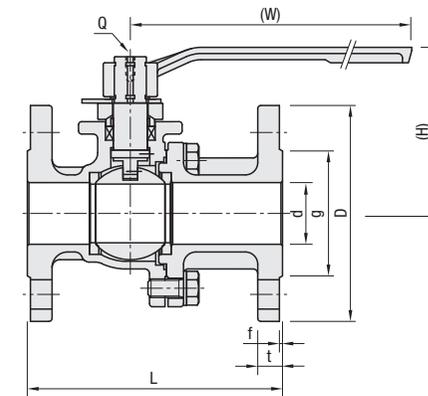
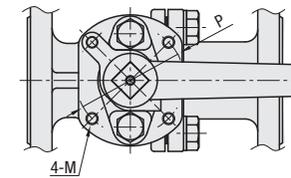
Flanged Ball Valves

## Flanged Ball Valves

BFRBG



RoHS



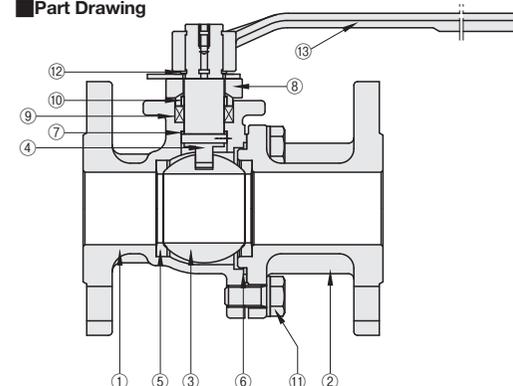
### Features

- The full-port design reduces pressure loss.
- Lost wax precision casting product
- Key position can be locked at "Full-Open" and "Full-Close" positions.
- Equipped with anti static function.
- Tap on upper stem and fix by flat washer and bolts prevent fallout of grip.

Part Number		d	D	P.C.D.	g	t	f	h	L	(W)	(H)	Q	P	M	Unit Price	Volume Discount Rate
Type	No.														1 pc.	2 ~ 5 pcs.
BFRBG	15A	15	95	70	51	12	1	15	108	145	85	M4	42	M5		
	20A	20	100	75	56	14	1	15	117	145	92	M4	42	M5		
	25A	25	125	90	67	14	1	19	127	165	90	M5	50	M6		
	32A	32	135	100	76	16	2	19	140	165	97	M5	50	M6		
	40A	38	140	105	81	16	2	19	165	230	108	M5	70	M8		
50A	50	155	120	96	16	2	19	178	230	116	M5	70	M8			

Ordering Example  
Part Number  
BFRBG15A

### Part Drawing



### Parts and Materials

Part No.	Part Name	Material
1	Body	SCS13A
2	Caps	SCS13A
3	Ball	SCS13A
4	Stem	SUS304
5	Ball Seat	Fluororesin
6	Gasket	Fluororesin
7	Thrust Washer	Fluororesin
8	Gland	SCS13A
9	Gland Gasket	Fluororesin
10	Stem Sleeve	Fluororesin
11	Hex Screw	SUS304
12	Retaining Ring	SUS304
13	Handle	FCD400

### Specifications

Applicable Fluids	Water, Air, Oil and Gas
Max. Operating Temp.	200°C
Max. Operating Pressure	1.4MPa

# Globe Valves / Check Valves / Strainers / Hydraulic Valves

# Compact Ball Valves Straight

### Globe Valves

Type	Material	Max. Operating Pressure
GBUCL	Main Body: SCS13A Gasket: BA - 15A PTFE 20A - 25A Expanded Graphite + PTFE Braided	Water, Oil, Air: 1.0MPa

**RoHS**

Part Number		Rc (PT)	S	L	(H)	W	Unit Price	Volume Discount Rate
Type	No.						1 ~ 4 pc(s).	5 ~ 10
GBUCL	8A	1/4	18	44	68	55		
	10A	3/8	22	48	68	55		
	15A	1/2	26	52	68	55		
	20A	3/4	34	60	93	60		
	25A	1	41	72	100	70		

**Features**  
 • S-shaped flow valve with bulkhead inside body, positioning the center of inlet and outlet in straight line.

### Strainers

Type	Material	Max. Operating Pressure
STRY	Main Body: SCS13A Gasket: PTFE (With Filler)	Water, Oil, Air: 0.6MPa

**RoHS**

### Check Valves

Type	Material	Max. Operating Pressure
THKB	Main Body: SCS13A Gasket: Non-asbestos Sheet	Water, Oil, Air: 0.6MPa

**RoHS**

Part Number		Rc (PT)	S	L	H	Unit Price	Volume Discount Rate
Type	No.					1 ~ 4 pc(s).	5 ~ 10
THKB	15A	1/2	29	65	45		
	20A	3/4	35	80	55		
	25A	1	44	90	61		

**Features**  
 • Flexible structure that can be used by hanging one end of disc in hinge shape. In addition to horizontal piping, it can be used in vertical piping.  
 • The smooth fluid design reduces pressure losses.

Part Number		Rc (PT)	S	L	H	H1	d1	Unit Price	Volume Discount Rate
Type	No.							1 ~ 4 pc(s).	5 ~ 10
STRY	8A	1/4	21	65	50	67	15		
	10A	3/8	23	70	50	68	15		
	15A	1/2	29	85	60	80	18		
	20A	3/4	35	100	65	90	23		
25A	1	43	115	77	107	30			

**Features**  
 • Separates and removes foreign objects or dust in fluids.  
 • Mesh size is 40.

### Hydraulic Valves

#### Inline Flow Control Valves

Type	Material	Applicable Fluids	Operating Temp.	Max. Operating Pressure
BKFS	Main Body: Steel	Common Mineral Operational Oil	-10~60°C	34.5MPa

**RoHS**

Part Number		Rc (PT)	Max. Flow	B	C	D	E	F	G	H	Mass (g)	Unit Price	Volume Discount Rate
Type	No.											1 ~ 4 pc(s).	5 ~ 10
BKFS	8A	1/4	192/min	45.5	41	67	42	21	10.5	21	220		
	10A	3/8	302/min	56.5	49.5	70	44.5	25	12.5	25	365		
	15A	1/2	572/min	70	61	87.5	57	32	16	30	690		

**Features**  
 • Fine adjustments at low flow rate possible by 3 initial turns of the knob with a step needle.  
 • Flow rate setup time can be reduced by using the colorings as a guide.

Ordering Example: **Part Number** GBUCL10A

### Check Valves

Type	Material	Applicable Fluids	Operating Temp.	Max. Operating Pressure
BCKB	Main Body: Steel	Common Mineral Operational Oil	-10~60°C	34.5MPa

**RoHS** Cracking Pressure=0.04MPa

Part Number		Rc (PT)	Max. Flow	B	C	G	Mass (g)	Unit Price	Volume Discount Rate
Type	No.							1 ~ 4 pc(s).	5 ~ 10
BCKB	8A	1/4	192/min	67	21	10.5	170		
	10A	3/8	302/min	70	25	12.5	260		
	15A	1/2	572/min	87.5	32	16	510		

**Features**  
 • Prevents reflux by integrating this valve into hydraulic circuit.

The photo shows "open" status. Close condition can be obtained by counterclockwise rotation of 90°.

### PT / PF Male

Part Number	Handle Color	T R (PT)	F G (PF)	L	Unit Price	Volume Discount Rate
BBPF	11F	Not specified (Orange)	1/8	1/8	43	
	12F		1/8	1/4		
	21F	B (Black)	1/4	1/8		
	22F		1/4	1/4		
	23F	W (White)	1/4	3/8		
	32F	Y (Yellow)	3/8	1/4		
	33F	BL (Blue)	3/8	3/8		
	34F		3/8	1/2		
	43F		1/2	3/8		
	44F		1/2	1/2		

**RoHS**

### PT Male / PF Female

Part Number	Handle Color	T R (PT)	F G (PF)	L	Unit Price	Volume Discount Rate
BBPT	11F	Not specified (Orange)	1/8	1/8	43	
	12F		1/8	1/4		
	21F	B (Black)	1/4	1/8		
	22F	W (White)	1/4	1/4		
	32F	Y (Yellow)	3/8	1/4		
	33F	BL (Blue)	3/8	3/8		
	43F		1/2	3/8		

**RoHS**

### Straight - PT Female / PF Male

Part Number	T Rc (PT)	F G (PF)	L	Unit Price	Volume Discount Rate
BBPW	11F	1/8	1/8	43	
	22F	1/4	1/4		
	33F	3/8	3/8	55	

**RoHS**

### PT / PF Female

Part Number	Handle Color	T Rc (PT)	F G (PF)	L	Unit Price	Volume Discount Rate
BBFF	11F	Not specified (Orange)	1/8	1/8	43	
	12F		1/8	1/4		
	21F	B (Black)	1/4	1/8		
	22F	W (White)	1/4	1/4		
	33F	Y (Yellow)	3/8	3/8		
		BL (Blue)	3/8	3/8		

**RoHS**

### PT Male / Hose Connection

Part Number	Handle Color	Applicable Hose I.D. (mm)	T R (PT)	D	L	Unit Price	Volume Discount Rate
BBPH	61	Not specified (Orange)	6	1/8	7	56	
	93	W (White)	9	3/8	10.5	60	
	124	Y (Yellow)	12	1/2	14	69.5	

**RoHS**

### PT Male / Tube Connection

Part Number	Handle Color	D	T R (PT)	L	Unit Price	Volume Discount Rate
BBPC	61	Not specified (Orange)	6	1/8	49	
	62		6	1/4		
	81	B (Black)	8	1/8		
	82	W (White)	8	1/4		
	83	Y (Yellow)	10	3/8		
	102	BL (Blue)	10	1/4		
103		10	3/8	53		

**RoHS**

Air Only  
 Ordering Example: **Part Number** BBPC62 - **Color** BBPF11F - B

Be sure to use valves in fully open or close conditions.

Part Number	Handle Color	T R (PT)	F G (PF)	L	Unit Price	Volume Discount Rate
BBPF	11F	Not specified (Orange)	1/8	1/8	43	
	12F		1/8	1/4		
	21F	B (Black)	1/4	1/8		
	22F		1/4	1/4		
	23F	W (White)	1/4	3/8		
	32F	Y (Yellow)	3/8	1/4		
	33F	BL (Blue)	3/8	3/8		
	34F		3/8	1/2		
	43F		1/2	3/8		
	44F		1/2	1/2		

Part Number	Handle Color	T R (PT)	F G (PF)	L	Unit Price	Volume Discount Rate
BBPT	11F	Not specified (Orange)	1/8	1/8	43	
	12F		1/8	1/4		
	21F	B (Black)	1/4	1/8		
	22F	W (White)	1/4	1/4		
	32F	Y (Yellow)	3/8	1/4		
	33F	BL (Blue)	3/8	3/8		
	43F		1/2	3/8		

Part Number	T Rc (PT)	F G (PF)	L	Unit Price	Volume Discount Rate
BBPW	11F	1/8	1/8	43	
	22F	1/4	1/4		
	33F	3/8	3/8	55	

Part Number	Handle Color	T Rc (PT)	F G (PF)	L	Unit Price	Volume Discount Rate
BBFF	11F	Not specified (Orange)	1/8	1/8	43	
	12F		1/8	1/4		
	21F	B (Black)	1/4	1/8		
	22F	W (White)	1/4	1/4		
	33F	Y (Yellow)	3/8	3/8		
		BL (Blue)	3/8	3/8		

Part Number	Handle Color	Applicable Hose I.D. (mm)	T R (PT)	D	L	Unit Price	Volume Discount Rate
BBPH	61	Not specified (Orange)	6	1/8	7	56	
	93	W (White)	9	3/8	10.5	60	
	124	Y (Yellow)	12	1/2	14	69.5	

Part Number	Handle Color	D	T R (PT)	L	Unit Price	Volume Discount Rate
BBPC	61	Not specified (Orange)	6	1/8	49	
	62		6	1/4		
	81	B (Black)	8	1/8		
	82	W (White)	8	1/4		
	83	Y (Yellow)	10	3/8		
	102	BL (Blue)	10	1/4		
103		10	3/8	53		

### Parts and Materials

Part No.	Part Name	Material	Qty.
1	Body	Brass (Chrome Plating)	1
2	Socket	Brass (Chrome Plating)	1
3	Ball	Brass (Chrome Plating)	1
4	Stem	Brass	1
5	Seat	Fluororesin	2
6	Ring	Brass	1
7	O-Ring	Synthetic Rubber	2
8	Handle	Plastic	1
9	Screw	Steel	1
10	Caps	Plastic	1
11	Spring Washer	Steel	1

**Features**  
 • Opening and closing are smooth and reliable.  
 • Light torque enables easy opening/closing by turning its handle by 90°. (The diagram shows open condition.)

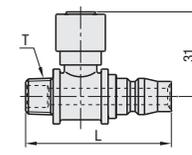
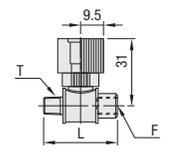
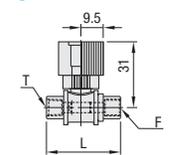
### Specifications

Applicable Fluids	Water, Air, Oil
Operating Temperature Range	-10 ~ 80°C (No Freezing)
Normal Operating Pressure	0.98MPa

# Compact Ball Valves / Compact Needle Valves

## Knurled

•Compact Ball Valves The photo shows "open" status. Close condition can be obtained by counterclockwise rotation of 90°.

<p><b>Knurled PT Male / Coupler Socket</b> <span style="color: green;">RoHS</span></p>  <p><b>BBKB</b></p>  <p>M Material: Brass S Surface Treatment: Chrome Plating</p>	<p><b>Knurled PT Male / PF Female</b> <span style="color: green;">RoHS</span></p>  <p><b>BBPTS</b></p>  <p>M Material: Brass S Surface Treatment: Chrome Plating</p>
<p><b>Knurled PT / PF Female</b> <span style="color: green;">RoHS</span></p>  <p><b>BBFFS</b></p>  <p>M Material: Brass S Surface Treatment: Chrome Plating</p>	

Part Number	T	L	Unit Price	Volume Discount Rate
Type	No.	R (PT)		1 ~ 4 pc(s)
BBKB	11F	1/8	53	
	22F	1/4		
	33F	3/8		

Ordering Example  
Part Number: BBKB11F

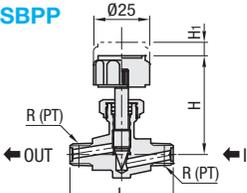
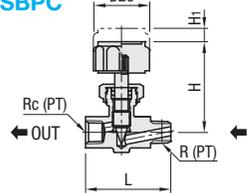
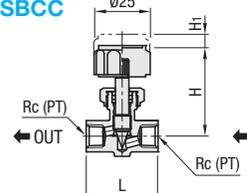
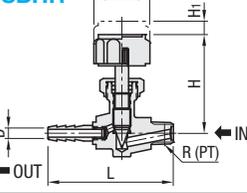
Part Number	T	F	L	Unit Price	Volume Discount Rate
Type	No.	R (PT)	G (PF)		1 ~ 4 pc(s)
BBPTS	11F	1/8	1/8	43	
	12F	1/8	1/4		
	21F	1/4	1/8		
	22F	1/4	1/4		
	32F	3/8	1/4		
	43F	3/8	3/8		

Height of 33F and 43F is 32. For orders larger than indicated quantity, please check with WOS.

Part Number	T	F	L	Unit Price	Volume Discount Rate
Type	No.	Rc (PT)	G (PF)		1 ~ 4 pc(s)
BBFFS	11F	1/8	1/8	43	
	12F	1/8	1/4		
	21F	1/4	1/8		
	22F	1/4	1/4		
	33F	3/8	3/8		

Height of 33F is 32. For orders larger than indicated quantity, please check with WOS.

•Compact Needle Valves

<p><b>PT / PT Male</b> <span style="color: green;">RoHS</span></p>  <p><b>NSBPP</b></p>  <p>M Material: Brass S Surface Treatment: Chrome Plating</p>	<p><b>PT Male / PT Female</b> <span style="color: green;">RoHS</span></p>  <p><b>NSBPC</b></p>  <p>M Material: Brass S Surface Treatment: Chrome Plating</p>
<p><b>PT / PT Female</b> <span style="color: green;">RoHS</span></p>  <p><b>NSBCC</b></p>  <p>M Material: Brass S Surface Treatment: Chrome Plating</p>	<p><b>PT Male / Hose Connection</b> <span style="color: green;">RoHS</span></p>  <p><b>NSBHR</b></p>  <p>M Material: Brass S Surface Treatment: Chrome Plating</p>

Part Number	R	L	H	H1	Unit Price	Volume Discount Rate
Type	No.	(PT)			1 ~ 4 pc(s)	5~20
NSBPP	11	1/8	46	44	6	
	22	1/4	46			
	33	3/8	50			

For orders larger than indicated quantity, please check with WOS.

Part Number	R	Rc	L	H	H1	Unit Price	Volume Discount Rate
Type	No.	(PT)	(PT)			1 ~ 4 pc(s)	5~20
NSBPC	11	1/8	1/8	38	41	6	
	22	1/4	1/4	42	44		
	33	3/8	3/8	45	44		

For orders larger than indicated quantity, please check with WOS.

Part Number	Rc	Rc	L	H	H1	Unit Price	Volume Discount Rate
Type	No.	(PT)	(PT)			1 ~ 4 pc(s)	5~20
NSBCC	11	1/8	1/8	32	41	5	
	22	1/4	1/4	36	44		
	33	3/8	3/8	40	44		

For orders larger than indicated quantity, please check with WOS.

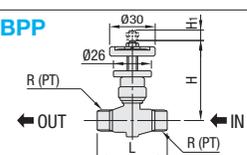
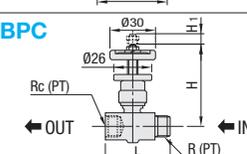
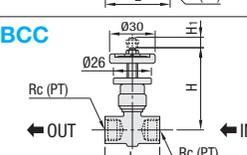
Part Number	Applicable Hose I.D. (mm)	R	D	L	H	H1	Unit Price	Volume Discount Rate
Type	No.	(PT)					1 ~ 4 pc(s)	5~20
NSBHR	61	6	1/8	7	56	44	6	
	93	9	3/8	10.5	66			

For orders larger than indicated quantity, please check with WOS.

**Specifications**

Applicable Fluids	Water, Air, Oil
Operating Temperature Range	-10 ~ 80°C (No Freezing)
Max. Operating Pressure	0.98MPa

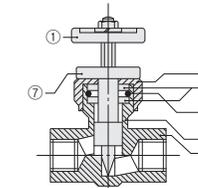
# Needle Valves

<p><b>Male Both Ends</b> <span style="color: green;">RoHS</span></p>  <p><b>NBPP</b></p>  <p>M Material: Brass S Surface Treatment: Chrome Plating</p>	<p><b>Male Thread / Female Thread</b> <span style="color: green;">RoHS</span></p>  <p><b>NBPC</b></p>  <p>M Material: Brass S Surface Treatment: Chrome Plating</p>
<p><b>Female Both Ends</b> <span style="color: green;">RoHS</span></p>  <p><b>NBCC</b></p>  <p>M Material: Brass S Surface Treatment: Chrome Plating</p>	

**Specifications**

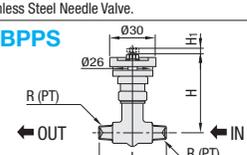
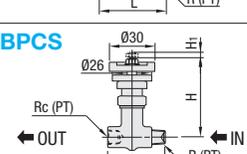
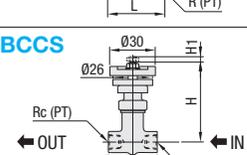
Applicable Fluids	Water, Air, Oil
Operating Temperature Range	-10 ~ 80°C (No Freezing)
Max. Operating Pressure	0.98MPa

Parts and Materials for Needle Valves



Part No.	Part Name	Material	Qty.	Processing
①	Handle	C3604BD	1	Chrome Plating
②	Gland Nut	C3604BD	1	Chrome Plating
③	Ring	C2801P	2	-
④	O-Ring	NBR	1	-
⑤	Spindle	C3604BD	1	Chrome Plating
⑥	Body	C3771BD	1	Chrome Plating
⑦	Lock Nut	C3604BD	1	Chrome Plating

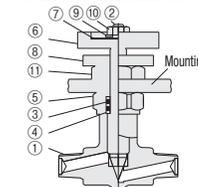
Maximum thickness is 5mm for Mounting Panel of Stainless Steel Needle Valve.

<p><b>Stainless Steel - Male Both Ends</b> <span style="color: green;">RoHS</span></p>  <p><b>NBPPS</b></p>  <p>M Material: SUS304</p>	<p><b>Stainless Steel - Male Thread / Female Thread</b> <span style="color: green;">RoHS</span></p>  <p><b>NBPCS</b></p>  <p>M Material: SUS304</p>
<p><b>Stainless Steel - Female Both Ends</b> <span style="color: green;">RoHS</span></p>  <p><b>NBCCS</b></p>  <p>M Material: SUS304</p>	

**Specifications**

Applicable Fluids	Oil, Air, Water, Chemicals
Operating Temperature Range	-20 ~ 150°C (No Freezing)
Max. Operating Pressure	0.98MPa
Recommended Panel Hole Dia.	Ø14

Parts and Materials for Stainless Steel Needle Valves



Part No.	Part Name	Material	Qty.	Processing
①	Body	SUS304	1	-
②	Spindle	SUS304	1	-
③	O-Ring	PTFE	2	-
④	Ring	SUS304	3	-
⑤	Gland Nut	SUS303	1	-
⑥	Handle	C3604	1	Chrome Plating
⑦	Label	A1050P	1	-
⑧	Lock Nut	C3604	1	Chrome Plating
⑨	Washer	SUS304	1	-
⑩	Hex Nut	SUS304	1	-
⑪	Lock Nut for Panel	C3604	1	Chrome Plating

**Features of Needle Valves**

- Suited for fine adjustment of flow rate of water, oil or air.
- The body and the needle are chrome plated to improve air tightness, damage-proofing and smooth operation.
- The spindle is provided with a lock nut to prevent loosening due to vibration.

Ordering Example  
Part Number: NSBCC33

Ordering Example  
Part Number: NBPP22  
NBPPS33