

# Globe Valves / Check Valves / Strainers / Hydraulic Valves

# Compact Ball Valves Straight

**Globe Valves**

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

Type	No.	Rc (PT)	S	L	(H)	W	GBUCL	
							Unit Price	Volume Discount Rate
							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
<b>STRY</b>	Main Body: SCS13A Gasket: PTFE (With Filler)	Water, Oil, Air: 0.6MPa

**Hydraulic Valves**

**Inline Flow Control Valves**

Type	Material	Applicable Fluids	Operating Temp.	Max. Operating Pressure
<b>BKFS</b>	Steel	Common Mineral Operational Oil	-10~60°C	34.5MPa

Type	No.	Rc (PT)	Max. Flow	B	C	D	E	F	G	H	Mass (g)	BKFS	
												Unit Price	Volume Discount Rate
												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	Max. Operating Pressure
<b>THKB</b>	Main Body: SCS13A Gasket: Non-asbestos Sheet	Water, Oil, Air: 0.6MPa

Type	No.	Rc (PT)	S	L	H	THKB	
						Unit Price	Volume Discount Rate
						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.

Type	No.	Rc (PT)	S	L	H	H1	d1	STRY	
								Unit Price	Volume Discount Rate
								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.

**Check Valves**

Type	Material	Applicable Fluids	Operating Temp.	Max. Operating Pressure
<b>BCKB</b>	Steel	Common Mineral Operational Oil	-10~60°C	34.5MPa

Type	No.	Rc (PT)	Max. Flow	B	C	G	Mass (g)	BCKB	
								Unit Price	Volume Discount Rate
								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**

**BBPF**

**PT Male / PF Female**

**BBPT**

**Straight - PT Female / PF Male**

**BBPW**

**PT / PF Female**

**BBFF**

**PT Male / Hose Connection**

**BBPH**

**PT Male / Tube Connection**

**BBPC**

Air Only

Ordering Example **Part Number** - **Color**  
**BBPC62** - **B**  
**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	1/8	1/8	43	1 - 4 pc(s).	5~20
	12F	1/8	1/4			
	21F	1/4	1/8			
	22F	1/4	1/4			
	23F	1/4	3/8			
	32F	3/8	1/4			
	33F	3/8	3/8	55		
	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	1/8	1/8	43	1 - 4 pc(s).	5~20
	12F	1/8	1/4			
	21F	1/4	1/8			
	22F	1/4	1/4			
	32F	3/8	1/4			
	33F	3/8	3/8	53		
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	1 - 4 pc(s).	5~20
	22F	1/4	1/4		
	33F	3/8	3/8		

Part Number	Handle Color	T Rc (PT)	F G (PF)	L	Unit Price	Volume Discount Rate
BBFF	11F	1/8	1/8	43	1 - 4 pc(s).	5~20
	12F	1/8	1/4			
	21F	1/4	1/8			
	22F	1/4	1/4			
	33F	3/8	3/8	53		

Part Number	Handle Color	Applicable Hose I.D. (mm)	T R (PT)	D	L	Unit Price	Volume Discount Rate
BBPH	61	6	1/8	7	56	1 - 4 pc(s).	5~20
	93	9	3/8	10.5	60		
	124	12	1/2	14	69.5		

Part Number	Handle Color	D	T R (PT)	L	Unit Price	Volume Discount Rate
BBPC	61	6	1/8	49	1 - 4 pc(s).	5~20
	62		1/4			
	81		1/8			
	82	1/4				
	83	3/8				
	102	1/4	53			
103	3/8					

**Parts and Materials**

Part No.	Part Name	Material	Qty.	Features
①	Body	Brass (Chrome Plating)	1	<ul style="list-style-type: none"> <li>Opening and closing are smooth and reliable.</li> <li>Light torque enables easy opening/closing by turning its handle by 90°.</li> <li>(The diagram shows open condition.)</li> </ul>
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	

**Specifications**

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