

Globe Valves / Check Valves / Strainers / Hydraulic Valves

Compact Ball Valves

Straight

Globe Valves



RoHS

Type	Material	Max. Operating Pressure
GBUCL	Main Body: EN 1.4308 Equiv. Gasket: 8A ~ 15A PTFE 20A ~ 25A Expanded Graphite + PTFE Braided	Water, Oil, Air: 1.0MPa

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



RoHS

Type	Material	Max. Operating Pressure
STRY	Main Body: EN 1.4308 Equiv. Gasket: PTFE (With Filler)	Water, Oil, Air: 0.6MPa

Hydraulic Valves

Inline Flow Control Valves



RoHS

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

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



RoHS

Type	Material	Max. Operating Pressure
THKB	Main Body: EN 1.4308 Equiv. Gasket: Non-asbestos Sheet	Water, Oil, Air: 0.6MPa

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

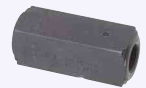
- Flexible structure that can be used by hanging one end of disc in hinge shape. In addition to horizontal piping, it can be used in vertical piping.
- The smooth fluid design reduces pressure losses.

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.

Check Valves



RoHS

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

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.

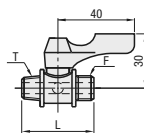
The photo shows "open" status. Close condition can be obtained by counterclockwise rotation of 90°.

PT / PF Male



RoHS

BBPF

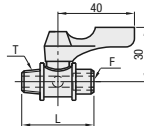


PT Male / PF Female



RoHS

BBPT

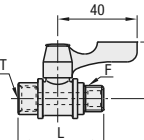


Straight - PT Female / PF Male



RoHS

BBPW

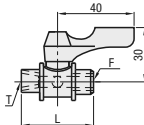


PT / PF Female



RoHS

BBFF

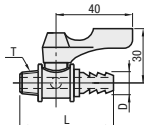


PT Male / Hose Connection



RoHS

BBPH

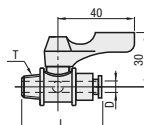


PT Male / Tube Connection



RoHS

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
Type	No.				1 ~ 4 pc(s).	5~20
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		3/8	1/4	55	
	33F	Y (Yellow)	3/8	3/8		
	34F		3/8	1/2		
	43F	BL (Blue)	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
Type	No.				1 ~ 4 pc(s).	5~20
BBPT	11F	Not specified (Orange)	1/8	1/8	43	
	12F		1/8	1/4		
	21F	B W (Black) (White)	1/4	1/8		
	22F		1/4	1/4		
	32F	Y BL (Yellow) (Blue)	3/8	1/4	53	
	33F		3/8	3/8		
	43F		1/2	3/8		

Part Number	T Rc (PT)	F G (PF)	L	Unit Price	Volume Discount Rate
Type	No.			1 ~ 4 pc(s).	5~20
BBPW	11F	1/8	1/8	43	
	22F	1/4	1/4		
	33F	3/8	3/8		

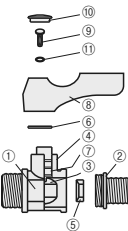
Part Number	Handle Color	T Rc (PT)	F G (PF)	L	Unit Price	Volume Discount Rate
Type	No.				1 ~ 4 pc(s).	5~20
BBFF	11F	Not specified (Orange)	1/8	1/8	43	
	12F		1/8	1/4		
	21F	B W (Black) (White)	1/4	1/8		
	22F	Y BL (Yellow) (Blue)	1/4	1/4		
	33F		3/8	3/8		

Part Number	Handle Color	Applicable Hose I.D. (mm)	T R (PT)	D	L	Unit Price	Volume Discount Rate
Type	No.					1 ~ 4 pc(s).	5~20
BBPH	61	Not specified (Orange)	6	1/8	7	56	
	93	W Y BL (White) (Yellow) (Blue)	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
Type	No.				1 ~ 4 pc(s).	5~20
BBPC	61	6	1/8	49		
	62		1/4			
	81		1/8			
	82		1/4			
	83	8	3/8	53		
	102		1/4			
	103		3/8			



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

- 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