

# Ball Valves (Brass)

**Ball Valves – Brass**

Type	Material	Max. Operating Pressure
<b>BRTW</b>	Body: C3771BE Brass Ball Sheet: PTFE (including Glass Fiber)	Water, Oil, Air: 4.12 MPa
<b>BSCSF</b>	Main Body: CF-8M Stainless Steel Cast Ball Seat: Fluororesin	Water, Oil, Air, Gas: 4.12 MPa Saturated Steam: 1 MPa

**A (Lever Type)**

**B (Wing Knob Type)**

**BRTW**

**BSCSF**

Type	Part Number		Rc (PT)	d	S	A Shape			B Shape		
	Handle Shape	No.				L	(H)	W	L	(H)	W
<b>BRTW</b>	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
	B (Wing Knob Type)	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
<b>BSCSF</b>	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	—	—	—

**Part Number Example** Part Number  
BRTWB15A

# Globe Valve / Check Valve / Inline Flow Control Valve / Strainer

**Globe Valve**

Type	Material	Max. Operating Pressure
<b>GBUCL</b>	Main Body: CF-8 Stainless Steel Cast Gasket: 8A-15A PTFE 20A-25A Expanded Graphite + PTFE Braided	Water, Oil, Air: 1.0 MPa

Type	Part Number		Rc (PT)	S	L	(H)	W
	No.						
<b>GBUCL</b>	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.

**Strainer**

Type	Material	Max. Operating Pressure
<b>STRY</b>	Body: CF-8 Stainless Steel Cast Gasket: PTFE (With Filer)	Water, Oil, Air: 0.6 MPa

**Check Valve**

Type	Material	Max. Operating Pressure
<b>THKB</b>	Body: CF-8 Stainless Steel Cast Gasket: Non-asbestos Sheet	Water, Oil, Air: 0.6 MPa

Ⓢ This product will be put on sale on August, 2010.

Type	Part Number		Rc (PT)	S	L	H
	No.					
<b>THKB</b>	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	Part Number		Rc (PT)	S	L	H	H <sub>1</sub>	d <sub>1</sub>
	No.							
<b>STRY</b>	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	

Ⓢ STRY10A will be put on sale on August, 2010.

**Features**

- Separates and removes foreign objects or dust in fluids.

## Oil Hydraulic Valve

**Inline Flow Control Valve**

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

Type	Part Number		Rc (PT)	Max. Flow	B	C	D	E	F	G	H	Mass (g)
	No.											
<b>BKFS</b>	8A	1/4	19 ℓ/min	45.5	41	67	42	21	10.5	21	220	
	10A	3/8	30 ℓ/min	56.5	49.5	70	44.5	25	12.5	25	365	
	15A	1/2	57 ℓ/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.

**Part Number Example** Part Number  
GBUCL10A

**Check Valve**

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

Type	Part Number		Rc (PT)	Max. Flow	B	C	G	Mass (g)
	No.							
<b>BCKB</b>	8A	1/4	19 ℓ/min	67	21	10.5	170	
	10A	3/8	30 ℓ/min	70	25	12.5	260	
	15A	1/2	57 ℓ/min	87.5	32	16	510	

**Features**

- Prevents reflux by integrating this valve into hydraulic circuit.