

TANK BOTTOM

FULL BORE PORT BALL VALVES

MODEL SB3----- MANUAL OPERATION TYPE

MODEL SB3-AC----- WITH DOUBLE ACTING PNEUMATIC ACTUATOR

MODEL SB3-ACS----- WITH SINGLE ACTING PNEUMATIC ACTUATOR



FEATURES

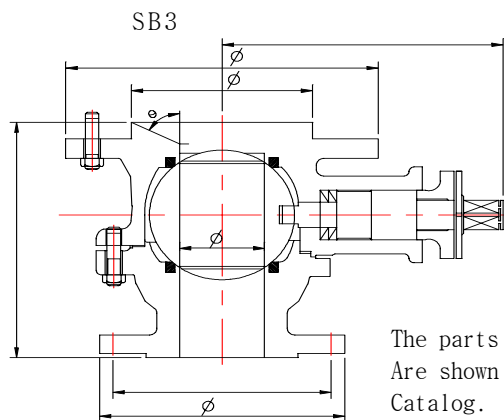
Sam sung valve tank bottom valve, a kind of ball valve, has the features of the conventional angle globe Type flush valve and more convenient and compact design.

- * Liquid does not stagnate on the tank bottom , and fluid can be mixed uniformly.
- * As the valve is full bore type , fluid is discharged rapidly. The valve can be easily shut off and opened by turning through 90° .
- * The valve has so compact design that it can be easily installed on the narrow tank bottom, thereby ensuring wider working space.
- * This valve can be used for automatic operation. The automated valve can be installed in narrow apace.
- * The valve can be surely installed by welding the tank pad (optional) to the tank bottom.

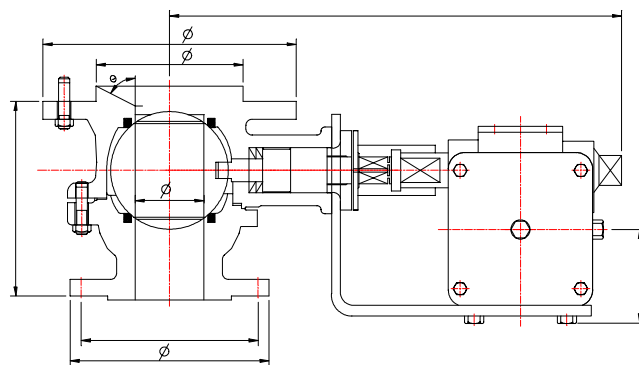
MATERIALS

No.	Name	Q' ty	MATERIAL		
1	Body	1	CF-8	CF-8M	Cast iron
2	Body cap	1	CF-8	CF-8M	Cast iron
3	Bali	1	S.S.304	S.S.316	S.S.304
4	Ball seat	2	R.PTFE		
5	Stem	1	S.S.304	S.S.316	S.S.304
6	Bearing	1	R.PTFE		
7	Bearing	1	R.PTFE		
8	Bonnet flange	1	CF-8	CF-3M	A536-G65
9	Cone ring	2 ses	PTFE		
10	Body gasket	1	PTFE		
11	Bearing	1	PTFE		
12	Stop plate	1	S.S.304		
13	Socket head bolt	2	S.S.304		ANSI 4135
14	Stud bolt & nut	4~10	S.S.304		A 283
15	Handle	1	A536-G65		
16	Stand	1	A 283		
17	Joint	1	A 283		
18	Bolt & spring washer	2~4	A 283 & WI		
19	Actuator	1			

The figure is shown at the rear side of this catalog.



SB3-AC

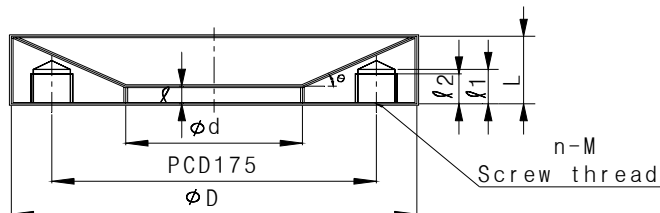
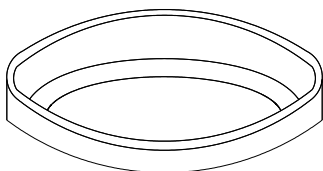


The parts names and materials
Are shown on first page of this
Catalog.

VALVE SIZE	d	L	SB3					SB3-AC			FLANGE		
			H	D ₁	e	Θ ₁	Handle	B	S	ACTUATOR	D	C	STANDARD
1B 25A	25	109	115	140	48	30 °	150	75	PT $\frac{1}{4}$	HY200	125	90	JIS 10K
											108	79.2	ANSI 150
1 1/2B 40A	38	125	148	155	60	30 °	200	75	PT $\frac{1}{4}$	HY200	140	105	JIS 10K
											127	98.6	ANSI 150
2B 50A	51	133	160	175	76	30 °	250	75	PT $\frac{1}{4}$	HY200	155	120	JIS 10K
											152	120.7	ANSI 150
2 1/2B 60A	64	153	184	210	114	60 °	300	103	PT $\frac{1}{4}$	HY275	175	140	JIS 10K
											178	139.7	ANSI 150
3B 80A	76	174	213	250	140	60 °	350	103	PT $\frac{1}{4}$	HY275	185	150	JIS 10K
											191	152.4	ANSI 150
4B 100A	102	186	245	280	166	60 °	400	119	PT $\frac{1}{4}$	HY375	210	175	JIS 10K
											229	190.5	ANSI 150
5B 125A	127	245	344	330	217	70 °	700	131	PT $\frac{1}{4}$	HY500	250	210	JIS 10K
											254	215.9	ANSI 150
6B 150A	152	302	364	400	269	70 °	1000	131	PT $\frac{1}{4}$	HY500	280	240	JIS 10K
											279	241.3	ANSI 150

TANK PAD & GASKET

OPTIONAL PARES



VALVE SIZE	D	d	C	(L)	ℓ	ℓ ₁	ℓ ₂	n	M	Θ	GASKET	STUD BOLT & NUT	
												Stainless steel body	Cast iron body
1B 25A	140	48.2	105	33.5	7	14	17	4	M12	30 °	t2 x Φ89 x Φ49	M12x45 ℓ x14s/20s	M12x45 ℓ x14s/20s
1½B 40A	155	60.2	120	38.3	11	17	20	4	M14	30 °	t2 x Φ104 x Φ61	M14x50 ℓ x17s/20s	M14x53 ℓ x17s/20s
2B 50A	175	76.2	140	38.3	10	17	19.5	4	M16	30 °	t2 x Φ122 x Φ77	M16x55 ℓ x17s/22s	M16x57 ℓ x17s/22s
2½B 60A	210	114.2	175	39.6	12	17	20	6	M14	30 °	t2 x Φ159 x Φ115	M14x53 ℓ x17s/20s	M14x57 ℓ x17s/20s
3B 80A	250	140.2	210	41.6	10	18	20.5	6	M18	30 °	t2 x Φ188 x Φ141	M18x59 ℓ x18s/28s	M18x65 ℓ x18s/28s
4B 100A	280	166.2	240	49.8	17	23	27	6	M20	30 °	t2 x Φ220 x Φ167	M20x65 ℓ x23s/30s	M20x71 ℓ x23s/30s
5B 125A	330	217.2	290	43.5	23	22	26	8	M20	20 °	t2 x Φ268 x Φ218	M20x68 ℓ x22s/31s	M20x76 ℓ x22s/31s
6B 150A	400	269.3	355	46.8	23	25	29	10	M20	20 °	t2 x Φ333 x Φ270	M20x77 ℓ x25s/30s	M20x84 ℓ x25s/30s