

*Safety and Reliable*



## *Double Block and Bleed Ball Valve*

*Excellent Flow Control Solutions for Industry Valve*

Stock Code: 002438 Abbr.: JSST



Website: <http://en.stfm.cn/main.html>



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## Double Block and Bleed Ball Valve

JIANGSU SHENTONG VALVE CO.,LTD.  
Ver. 201502-DBB

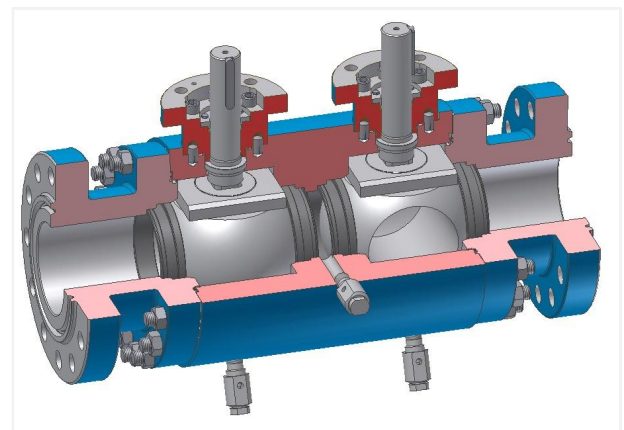
### APPLICATION AREA

STV DBB series Ball valve are widely used in electric power plant, petroleum chemical industrial, metallurgy, Marine, Oil & Gas and other industrial pipeline system.



### ADVANTAGE

Double Block and Bleed Ball Valves are designed for replace the multiple valves connection complex forms in traditional pipeline. Reduce the leakage in system to achieve quickly bleed, close function. DBB ball valve maximum save installation space and simplified installation program. Cut down the pipeline pressure. Convenient Instrument cleaning maintenance and reduce the cost.





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## Double Block and Bleed Ball VALVE



### DESIGN FEATURE

- > Floating and Trunnion design
- > Full and reduced bore design
- > Fire safe design
- > Available in any kind of material required

### PRODUCT RANGE

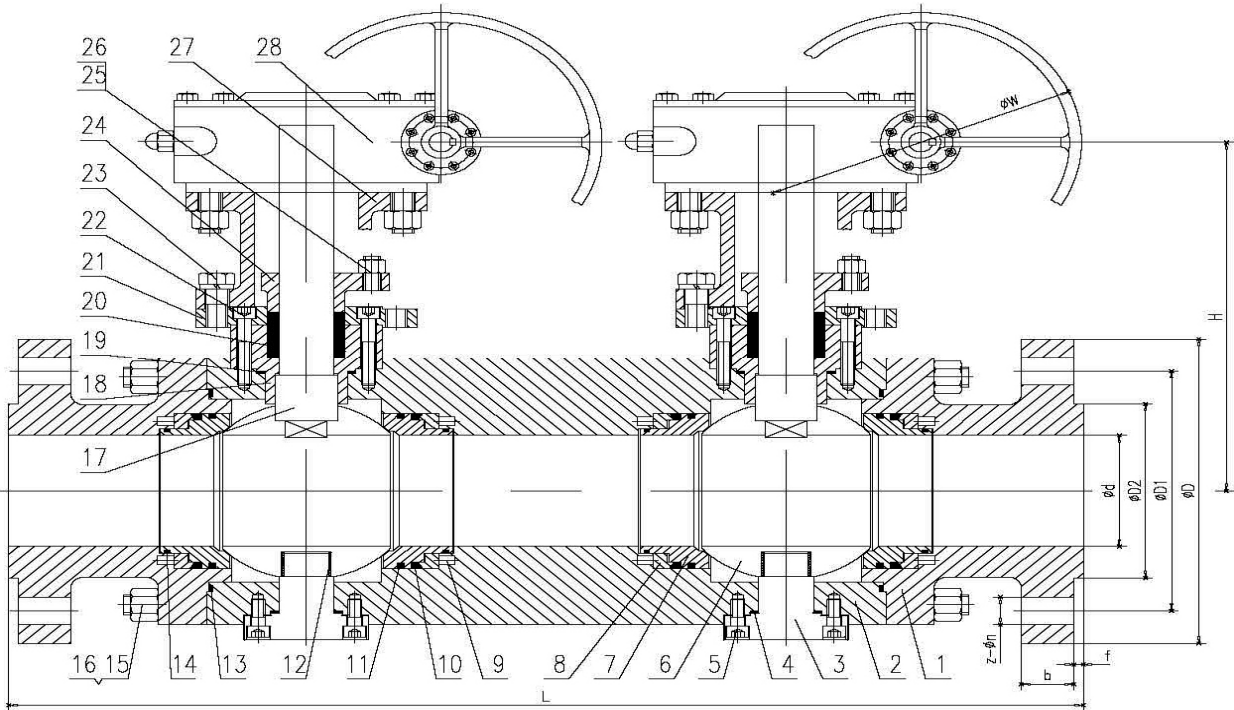
- Size: 4"~24"
- Rating: 150 lbs ~ 2500lbs
- Body: Carbon steel, Stainless steel
- Operation: Lever, Motor, Pneumatic, Gear
- Type: Trunnion, HUB Connection, Cryogenic.

### TECHNICAL STANDARD

- > Design Standard API6D
- > Face to Face Dimension ASME B 16.10
- > Connection Dimension ASME B 16.5
- > Testing and Inspection API598

### FEATURES UPON REQUEST

- > Special flanges or end connections in accordance with customer requirements
- > Special face to face and bore sizes
- > Anti static device
- > Metal to metal seat sealing
- > Double block and bleed



NO	NAME	MATERIAL
1	Bonnet	ASTM A182 F316
2	Body	ASTM A182 F316
3	Stem	ASTM A182 F316
4	Metal pads	SS316+Graphite
5	Soket head cap screw	ASTM A193 B8M
6	Ball	ASTM A182 F316+Ni60
7	Seat support ring	ASTM A182 F316+Ni65
8	Spring seat	ASTM A182 F316
9	Spring	INCONEL X-750
10	Sealing Ring	Graphite
11	Graphite rope	Graphite
12	Shaft sleeve	SS316 + Nitriding
13	Metal pads	SS316+Graphite
14	Graphite rope	Graphite

NO	NAME	MATERIAL
15	Bolt	ASTM A193 B8M
16	Nut	ASTM A194 -8M
17	Stem	ASTM A564 S17400
18	Top bonnet	ASTM A182 F316
19	Metal pads	SS316+Graphite
20	Packing	Graphite
21	Land	ASTM A105
22	Soket head cap screw	ASTM A193 B8M
23	Hexagon bolt	ASTM A193 B8M
24	Packing gland	ASTM A351 CF8M
25	Bolt	ASTM A193 B8M
26	Nut	ASTM A194 -8M
27	Stand	ASTM A216 WCB
28	Gear box	ASSEMBLING UNIT



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# Double Block and Bleed Ball VALVE

## TRUNNION TYPE PARAMETERS

DN	ANSI 150						ANSI 300						ANSI 600						ANSI 900 - 1.500						ANSI 2.500					
	D		E		C	K	D		E		C	K	D		E		C	K	D		E		C	K	D		E		C	K
	Full	Red	RF	RTJ			Full	Red	RF	RTJ			Full	Red	RF	RTJ			Full	Red	RF	RTJ			Full	Red	RF	RTJ		
3"	76	51	588	598	140	270	76	51	598	608	140	270	76	51	608	611	140	270	76	51	768	771	140	270	63	43	928	934	150	290
4"	102	76	636	646	160	300	102	76	642	661	160	300	102	76	696	700	160	300	102	76	836	839	160	300	88	63	998	1.007	191	370
6"	152	102	742	752	182	350	152	102	863	876	182	350	152	102	947	950	182	356	146	102	1.092	1.095	243	485	133	88	1.427	1.440	307	615
8"	203	152	816	826	206	410	203	152	882	895	206	410	203	152	1.078	1.081	235	462	193	146	1.476	1.485	235	462	180	133	1.515	1.531	357	715
10"	254	203	984	994	252	485	254	203	1.057	1.072	252	485	254	203	1.372	1.375	321	625	240	193	1.480	1.490	321	625	223	180	1.707	1.729	520	1.000
12"	303	254	1.137	1.147	336	630	303	254	1.282	1.295	336	630	303	254	1.380	1.383	335	630	289	240	1.735	1.751	381	745	265	223	1.922	1.945	596	1.152
14"	337	303	1.244	1.257	360	670	337	303	1.320	1.336	360	670	337	303	1.447	1.450	365	680	315	289	1.815	1.834	490	890	292	265	-	-	-	-
16"	385	337	1.341	1.357	405	760	385	337	1.474	1.490	405	760	385	337	1.626	1.629	415	780	362	315	1.968	1.991	510	930	333	292	-	-	-	-
18"	436	385	1.508	1.520	440	820	436	385	1.625	1.641	440	840	436	385	1.802	1.805	445	840	406	362	2.247	2.269	597	1.085	374	333	-	-	-	-
20"	487	436	1.700	1.713	475	875	487	436	1.776	1.795	475	895	487	436	1.978	1.984	485	895	454	406	2.450	2.472	655	1.180	419	374	-	-	-	-
24"	589	487	2.006	2.019	585	1.070	589	487	2.082	2.104	585	1.090	589	487	2.336	2.346	597	1.090	546	454	-	2.960	785	1.400	-	-	-	-	-	-
28"	684	633	2.336	-	620	1.235	684	633	2.436	2.462	640	1.250	684	633	2.639	2.652	640	1.250	641	594	-	-	-	-	-	-	-	-	-	-
30"	735	589	2.448	-	675	1.270	735	589	2.550	2.575	675	1.380	735	589	2.804	2.817	685	1.400	686	546	-	-	-	-	-	-	-	-	-	-
32"	779	735	2.602	-	733	1.440	779	735	2.754	2.783	733	1.470	779	735	2.881	2.897	742	1.470	770	686	-	-	-	-	-	-	-	-	-	-
36"	874	735	2.834	-	797	1.495	874	735	3.037	3.066	797	1.535	874	735	3.393	3.409	805	1.575	855	819	-	-	-	-	-	-	-	-	-	-

Shown dimensions are in millimeters. Drawings and dimensions shown in this catalogue are indicative and can be modified without any prior notice.

## HUB CONNECTION TYPE

DN	A	ANSI 1.500						ANSI 2.500						API 5.000						API 10.000									
		D				E	C	K	D				E	C	K	D				E	C	K	D				E	C	K
		SCH. 40	SCH. 80	SCH. 160	SCH. XXS				SCH. 40	SCH. 80	SCH. 160	SCH. XXS				SCH. 40	SCH. 80	SCH. 160	SCH. XXS				SCH. 40	SCH. 80	SCH. 160	SCH. XXS			
1/2"	50,80	15	10	10	7	402	74	133	15	10	10	7	510	100	200	15	10	10	7	402	74	133	15	10	10	7	510	100	200
3/4"	50,80	20	15	15	10	406	74	133	20	15	15	10	465	100	200	20	15	15	10	406	74	133	20	15	15	10	465	100	200
1"	50,80	25	20	20	10	410	74	133	20	20	20	10	522	100	200	25	20	20	10	410	74	133	20	20	20	10	522	100	200
1.1/2"	79,37	38	38	25	25	480	84	165	30	30	30	25	620	110	220	45	45	45	45	480	84	165	45	45	45	45	620	110	220
2"	92,07	51	38	38	38	618	108	220	38	38	30	30	754	138	249	52	52	45	45	618	108	220	52	52	45	45	754	138	249
2.1/2"	127,00	51	51	51	38	718	140	270	52	52	43	43	920	150	290	65	52	52	52	718	140	270	65	52	52	52	920	150	290
3"	127,00	51	51	51	51	771	140	270	52	52	52	52	934	150	290	65	65	65	52	771	140	270	65	65	65	52	934	150	290
4"	152,40	76	76	76	76	839	160	300	88	63	63	63	1.007	191	370	103	79	79	79	839	160	300	103	79	79	79	1.007	191	370
6"	234,95	102	102	102	102	1.095	182	356	88	88	88	88	1.440	307	615	152	103	103	103	1.095	182	356	152	103	103	103	1.440	307	615
8"	292,10	146	146	146	146	1.485	235	462	133	133	133	133	1.531	357	715	180	180	152	152	1.485	235	462	180	180	152	152	1.531	357	715
10"	346,07	193	193	193	-	1.490	321	625	180	180	180	-	1.729	520	1.000	228	228	180	-	1.490	321	625	Tba	Tba	Tba	-	1.729	520	1.000
12"	406,40	240	240	240	-	1.751	335	630	223	223	223	-	1.945	596	1.152	Tba	Tba	Tba	-	1.751	335	630	Tba	Tba	Tba	-	1.945	596	1.152
14"	495,30	289	289	289	-	1.834	365	680	265	265	265	-	-	-	-	-	-	-	1.834	365	680	-	-	-	-	-	-	-	-
16"	552,45	315	315	315	-	1.991	415	780	292	292	292	-	-	-	-	-	-	-	1.991	415	780	-	-	-	-	-	-	-	-
18"	622,30	362	362	362	-	2.269	445	840	333	333	333	-	-	-	-	-	-	-	2.269	445	840	-	-	-	-	-	-	-	-
20"	622,30	406	406	406	-	2.472	485	895	374	374	374	-	-	-	-	-	-	-	2.472	485	895	-	-	-	-	-	-	-	-
24"	749,30	454	454	454	-	2.960	597	1.090	-	-	-	-	-	-	-	-	-	-	2.960	597	1.090	-	-	-	-	-	-	-	-

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ISO 9001:2008



ISO 14001:2004



OHSAS 18001:2007



API6D



API609



TUV



BV



CE

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