



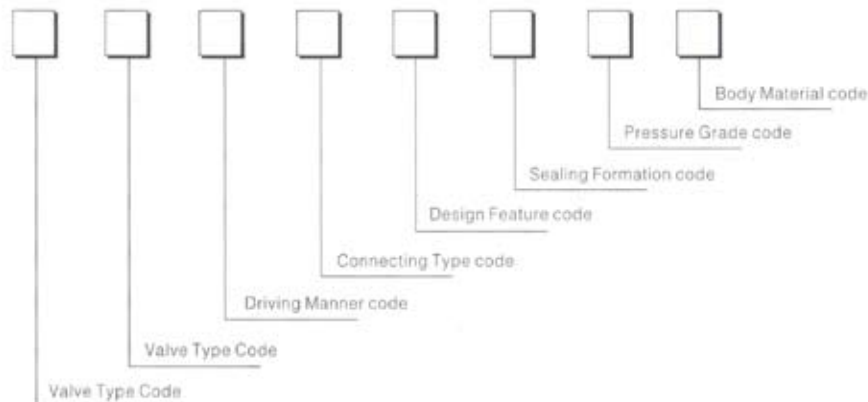
POWER STATION VALVE SERIES



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POWER STATION VALVE MODEL SCHEDULE ILLUSTRATION



★ Feature Code:	The feature code of our company is W		
★ Valve Type Code:	Z – Gate valve	J – Globe valve	H – Check valve
★ Design Feature Code:	Gate; Globe valve; Check valve;	O – elastic wedge 1 – through – type 1 – lift through – type	2 – Double wedge 4 – angle – type 4 – single swing – type 5 – Y – type
★ Driving Manner Code:	5 – bevel gear transmission		9 – electric driving(hand wheel driving omitted)
★ Connecting Type code:	6 – butt welding connecting		8 – socket welded connecting
★ Structure Formation code:	6 – BB – BG – QS & Y (Bolted bonnet, Bolted gland, OS & Y) 8 – PS – BG – QS & Y (Pressure bonnet, Bolted gland, OS & Y)		
★ Sealing Material Code:	Y – hard Alloy	H – alloy steel	D – nitriding steel
★ Pressure Grade Code:	nominal rating pressure - 10Mpa, Pound grade is actual number		
★ Valve Material Code:	C – WCB I – WCB, ZG1Cr5Mo V – WC9, ZG20CrMoV P – CF8, ZG1Cr18Mi9Ti R – CF8M, ZG1Cr18Ni12Mo2Ti		

Example: Z960Y-2500Lb

Denoting Class2500 pressure grade, electric driving, Butt-welding connecting, elastic wedge high temperature high pressure power station valve WC6 Valve body material and the hard alloy sealing material.

POWER STATION VALVE

Products design features

1. Actuation modes: manual, electric, spur and bevel gear, pneumatic actuations, please make it clear at order.
2. Weld-connected gate valve and stop valve are suitable for the pipeline of PN1.6~32.0MPa, P54/170V~P57/170V, a working temperature 540℃(570℃ for P57/170V) in various systems of petroleum, chemical industry, steam power, hydraulic etc. to cut off and get through the medium. The suitable media are: water, steam, oil goods, acid, media and so on.
3. Comforms with the requirements of the domestic and foreign advanced standards. The middle cavity if the valve uses the pressure self-tightening sealing structure, the two ends of the branch pipe use welded structure and the welded groove can be connected per either the standard or the required one by users. Of a reliable seal, good performance and nice modeling.
4. The sealing faces of both dis and seat ring are made by means of built-up welding with either iron-based alloy or Stellite Co-based carbide alloy upon different requirements, wearable, high temperature resisting, good friction resisting and long duration.
5. The stem, after the modified and surface nitriding treatment, has a good friction and corrosion resistance and a back-seal structure to ensure the valve no leak outward from the stem when opened during running and able to replace the stem packing.
6. The valves with a large or a middle apertures can use the internal by-pass structure and be set with a rolling bearing and a thrust bearing, resulting in flexible open-close.
7. The electric stop valve is fitted with SMC valve electric actuator, features a small casing, light weight, full functions and a nice outlook and can be used either with a program controlled or an electric actuator upon the user requirement.

POWER STATION VALVE

Main parameter of the products						
Serial models	Gate valve	Z60Y, Z560Y, Z960Y				
	Globe valve	J61Y, J561Y, J961Y, J65Y, J5650Y, J965Y				
	Check valve	H64Y				
Pressure grader range		Class1500-3500				
Drift diameter range		2 1/2"-22"				
Driving manner & scope of application	Gate valve	Hand wheel driving	Class 1500	Class 2000-2500		Class 3500
			2 1/2"-8"	2 1/2"-6"		3"-4"
			Class 1500	Class 2000-2500		Class 3500
		Bevel gear	8"-22"	6"-16"		5"-12"
			Class 1500	Class 2000-2500		Class 3000
			Class 3500	Class 3500		Class 3500
	Electric driving	2 1/2"-22"	2 1/2"-16"		10"-22"	
		3"-18"				
		Class 1500	Class 2000-2500		Class 3500	
	Globe valve	Hand wheel driving	2 1/2"-6"	2"-4"		2 1/2"-32"
			Class 1500	Class 2000-2500		Class 3500
			Class 1500	Class 2000-2500		Class 3500
		Bevel gear	5"-8"	4"-12"		3"-6"
			Class 1500	Class 2000-2500		Class 3500
			Class 1500	Class 2000-2500		Class 3500
Electric driving	3"-8"	Class 1500		Class 2000-3500		
	2 1/2"-6"					
	Class 1500	Class 1500		Class 2500		
Y type globe valve	Bevel gear	Hand wheel driving	2 1/2"-6"	2"-4"		
		Class 1500	Class 2000	Class 2500	Class 3500	
	Electric driving	5"-8"	4"-12"		3"-14"	
		2 1/2"-22"				
Check valve	-	Class 1500	Class 2000	Class 1500-3500	Class 3500	
		3"-8"	4"-12"		2"-14"	
		3"-6"				
			Class 1500-2000	Class 2500		
			2 1/2"-14"	3"-8"		

Products performance specification						
Class	(MPa) Intensity test pressure	(MPa) Sealing test	(MPa) Back seal test pressure	(MPa) Gas test pressure	Temperature	Medium
150	1.5 × PN	1.1 × PN	1.1 × PN	0.4-0.7	≤600°C	Water, oil & gas
300	1.5 × PN	1.1 × PN	1.1 × PN	0.4-0.7	≤600°C	Water, oil & gas
600	1.5 × PN	1.1 × PN	1.1 × PN	0.4-0.7	≤600°C	Water, oil & gas
900	1.5 × PN	1.1 × PN	1.1 × PN	0.4-0.7	≤600°C	Water, oil & gas
1500	1.5 × PN	1.1 × PN	1.1 × PN	0.4-0.7	≤600°C	Water, oil & gas
2500	1.5 × PN	1.1 × PN	1.1 × PN	0.4-0.7	≤600°C	Water, oil & gas

Note: PN is requested pressure for the body material under the 38°C.

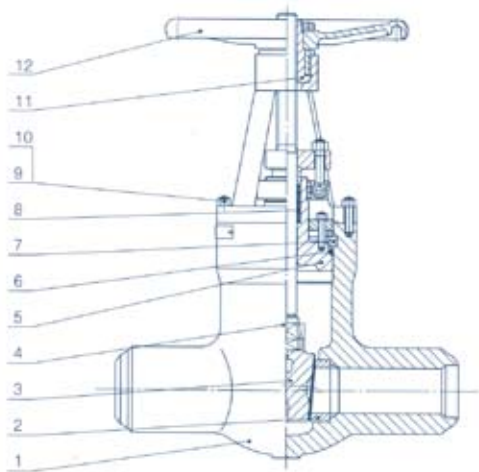


POWER STATION GATE VALVE

Technical specification

Structural Formation	PS-BG-OS&Y
Driving Manner	Hand-operated, Geared Driving, Electric Driving Device
Design Standard	JB/T 3593
Face to Face	JB/T 2788, GB/T 12221
Butt-welding Ends	JB/T 3593 ASME 16.25
Test & Inspection	JB/T 3593

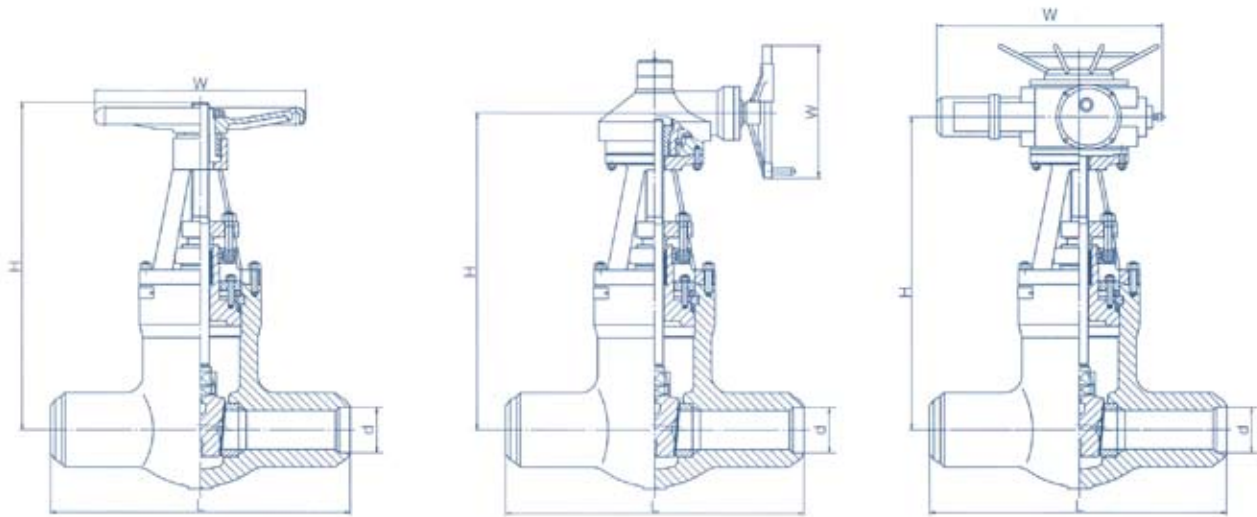
Notes: The sizes of serial valve connecting flange can be designed according to customers' requirement.



Form of major parts materials

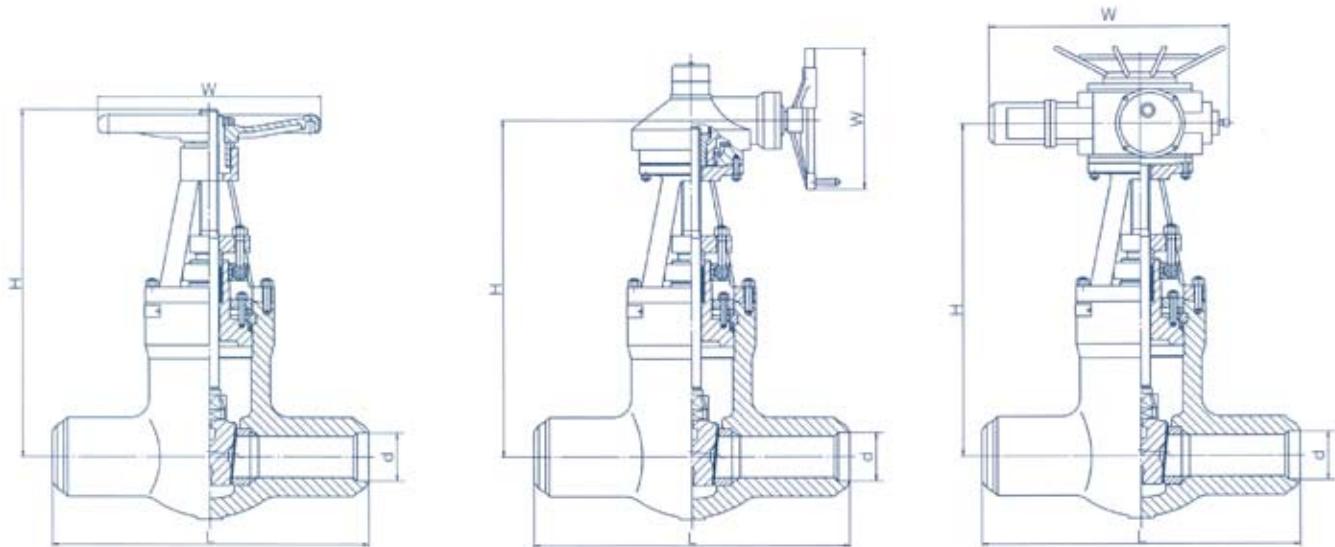
No.	Part name	Material
1	Body	WCB, WC1, WC6, WC9, C12
2	Seat	A105, A182-F11, F22, F5, F9
3	Disc	WCB, WC1, WC6, WC9, C12
4	Stem	A182Gr.F6a, A182-F22, A182-F11
5	Bonnet	WCB, WC1, WC6, WC9, C12
6	Sealing ring	Flexible Graphite
7	Quarto ring	A182Gr.F6a, A182-F22
8	Packing	Flexible Graphite
9	Stud	A193-B7, A182 F22
10	Nut	A194-269, A182 F22
11	Stem nut	Copper alloy
12	Hand wheel	A47-32510

POWER STATION GATE VALVE



Main size of outside and weight						Z60Y-1500Lb、Z560Y-1500Lb、Z960Y-1500Lb							
NPS (in)	L	d	Hand-Operated			Gear Driving			Gear Driving	Electric Driving Device			Electric Motor Driving
			H	W	(kg) Weight	H	W	(kg) Weight		H	W	(kg) Weight	
2½	254	56	670	200	50	-	-	-	-	887	200	93	SMC-04
3	305	64	692	200	65	-	-	-	-	887	200	110	SMC-04
4	406	84	790	230	105	-	-	-	-	969	508	168	SMC-03
5	483	100	875	260	150	-	-	-	-	1073	508	223	SMC-03
6	559	126	1155	400	300	-	-	-	-	1270	305	395	SMC-0
8	711	158	1148	410	500	1261	460	418	BA-1	1325	305	555	SMC-0
10	864	210	-	-	-	1490	460	725	BA-1	1530	457	823	SMC-1
12	991	250	-	-	-	1765	610	1036	BA-2	1804	305	1280	SMC-1
14	1067	282	-	-	-	1952	760	1358	BA-3	2155	570	1725	SMC-2
16	1194	318	-	-	-	2051	760	1773	BA-3	2167	610	2429	SMC-3
18	1364	360	-	-	-	2155	760	2359	BA-3	2250	610	2454	SMC-3
20	1473	406	-	-	-	2451	760	3243	BA-3	2550	610	3334	SMC-3
22	1600	450	-	-	-	2679	760	4010	BA-3	2780	610	4409	SMC-3

POWER STATION GATE VALVE



Main size of outside and weight

Z60Y-2000Lb, Z560Y-2000Lb, Z960Y-2000Lb

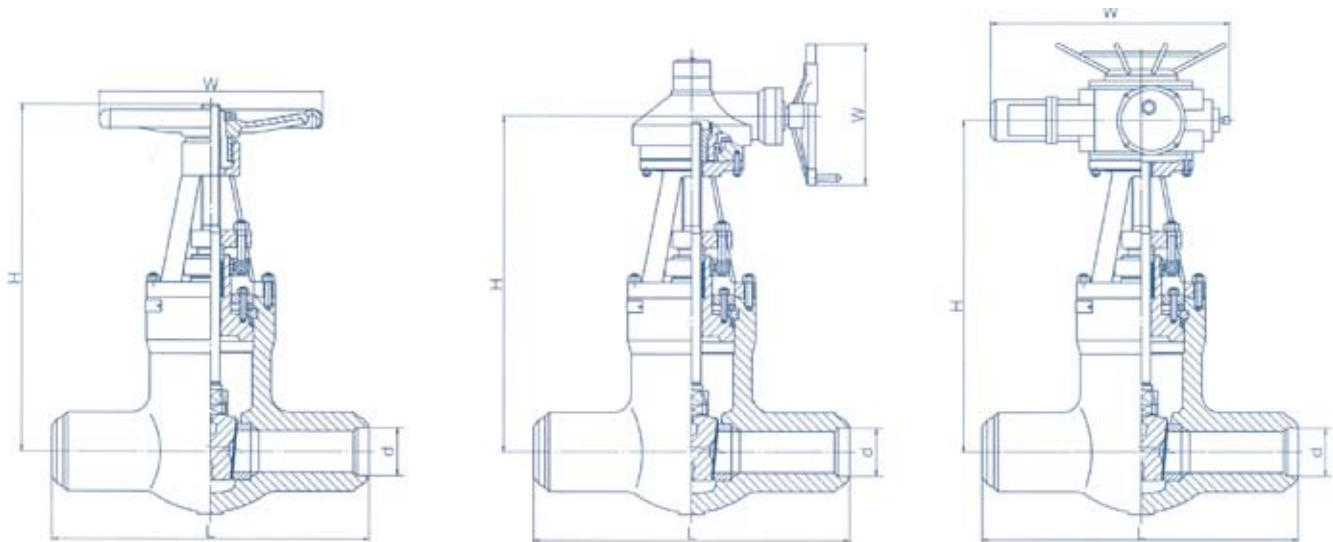
NPS (in)	L	d	Hand-Operated			Gear Driving			Gear Driving	Electric Driving Device			Electric Motor Driving
			H	W	(kg) Weight	H	W	(kg) Weight		H	W	(kg) Weight	
2½	330	50	640	200	70	-	-	-	-	802	200	202	SMC-04
3	368	60	690	230	90	-	-	-	-	852	508	149	SMC-03
4	457	80	850	260	180	-	-	-	-	974	305	245	SMC-00
5	533	96	1117	360	210	-	-	-	-	1120	305	280	SMC-00
6	610	118	1300	410	438	-	-	-	-	1219	305	419	SMC-0
8	762	148	-	-	-	1210	310	602	BA-0	1349	305	626	SMC-0
10	914	180	-	-	-	1620	460	836	BA-1	1690	305	1020	SMC-1
12	1041	222	-	-	-	1710	610	1187	BA-2	1830	457	1320	SMC-2
14	1118	254	-	-	-	1763	610	1475	BA-2	1880	457	1810	SMC-2
16	1245	294	-	-	-	1925	610	1990	BA-2	2115	610	2270	SMC-3

Main size of outside and weight

Z60Y-2500Lb, Z560Y-2500Lb, Z960Y-2500Lb

NPS (in)	L	d	Hand-Operated			Gear Driving			Gear Driving	Electric Driving Device			Electric Motor Driving
			H	W	(kg) Weight	H	W	(kg) Weight		H	W	(kg) Weight	
2½	330	46	640	200	70	-	-	-	-	842	508	143	SMC-03
3	368	54	690	230	90	-	-	-	-	836	508	160	SMC-03
4	457	70	850	260	150	-	-	-	-	1094	508	335	SMC-03
5	533	86	1117	400	210	-	-	-	-	1170	305	324	SMC-00
6	610	104	1300	500	438	1116	310	340	BA-0	1266	305	467	SMC-00
8	762	130	-	-	-	1284	310	617	BA-0	1339	305	725	SMC-0
10	914	162	-	-	-	1504	460	1023	BA-1	1468	305	1152	SMC-1
12	1041	210	-	-	-	1725	610	1415	BA-2	1890	457	1520	SMC-2
14	1118	234	-	-	-	1793	610	1684	BA-2	1990	610	1869	SMC-3
16	1245	264	-	-	-	1935	610	2383	BA-2	2115	610	2826	SMC-3
22	1550	375	-	-	-	-	-	-	-	2886	760	7080	SMC-5

POWER STATION GATE VALVE



Main size of outside and weight

Z960Y-3000Lb

NPS (in)	Electric Driving Device					(kg) Weight	Electric Motor driving
	L	d	H	W			
10	930	151	1812	305		1459	SMC-1
12	1060	186	1831	457		2180	SMC-2
14	1118	214	2130	610		2870	SMC-3
22	1550	338	2656	610		5591	SMC-4

Main size of outside and weight

Z60Y-3500Lb、Z560Y-3500Lb、Z960Y-3500Lb

NPS (in)	L	d	Hand-operated			Gear Driving			Gear Driving	Electric Driving Device			Electric Motor Driving
			H	W	(kg) Weight	H	W	(kg) Weight		H	W	(kg) Weight	
3	440	44	760	260	210	-	-	-	-	920	508	269	SMC-03
4	540	56	900	300	300	-	-	-	-	1066	305	398	SMC-00
5	616	74	-	-	-	1047	310	391	BA-0	1166	305	507	SMC-0
6	692	88	-	-	-	1108	310	493	BA-0	1227	305	605	SMC-0
8	846	116	-	-	-	1322	460	916	BA-1	1456	305	1088	SMC-1
10	1000	142	-	-	-	1548	610	1527	BA-2	1652	457	1733	SMC-2
12	1124	174	-	-	-	1689	610	2197	BA-2	1844	610	2708	SMC-3
14	1219	196	-	-	-	-	-	-	-	2125	610	3180	SMC-4
18	1499	252	-	-	-	-	-	-	-	2695	610	4560	SMC-4

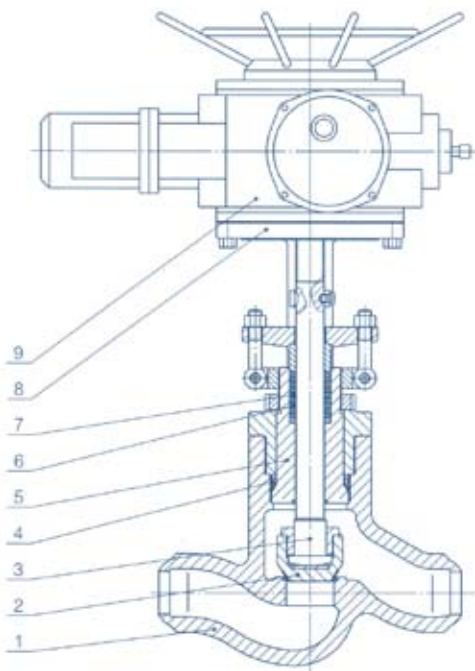


POWER STATION GLOBE VALVE

Technical specification

Structural formation	PS-BG-OS&Y
Driving manner	Hand-operated, Geared Driving, Electric Driving Device
Design standard	JB/T 3593
Face to face	JB/T 2788, GB/T 12221
Butt-welding Ends	JB/T 3593 ASME 16.25
Test & inspection	JB/T 3593

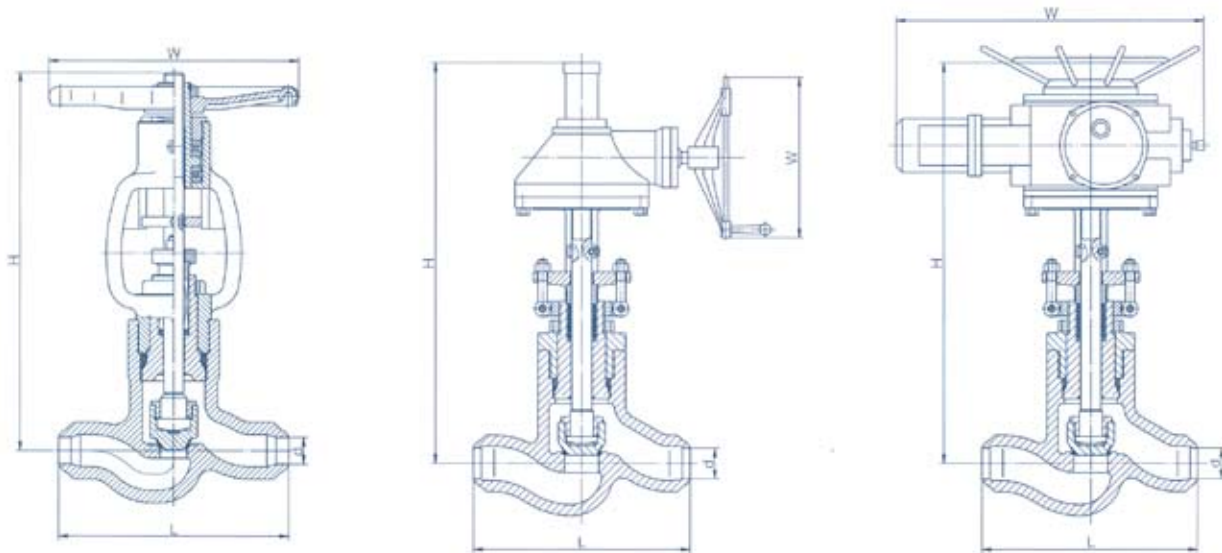
Notes: The sizes of serial valve connecting flange can be designed according to customers' requirement



Form of major parts materials

No.	Part name	Material
1	Body	WCB, WC1, WC6, WC9, C12
2	Disc	A105, A182-F11, F22, F5, F9
3	Stem	A182-F6a, A182-F22, A182-F11
4	Sealing ring	Flexible Graphite
5	Bonnet	WCB, WC1, WC6, WC9, C12
6	Packing	Flexible Graphite
7	Yoke	WCB
8	Electric motor driving	Assembled

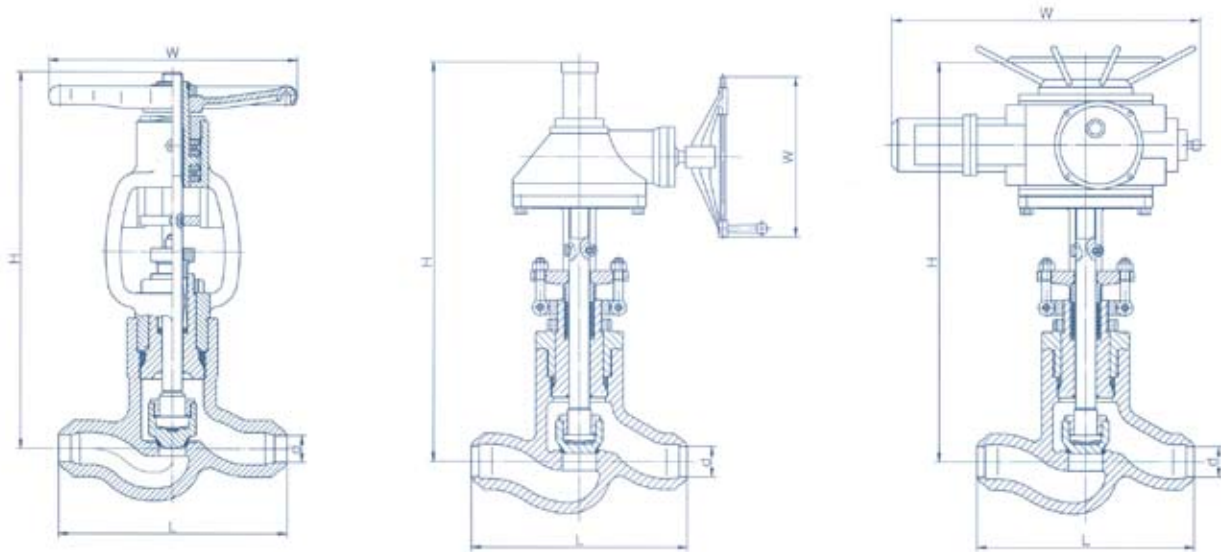
POWER STATION GLOBE VALVE



Main size of outside and weight						J61Y-1500Lb, J561Y-1500Lb, J961Y-1500Lb							
NPS (in)	L	d	Hand-Operated			Gear Driving			Gear driving	Electric Driving Device			
			H	W	(kg) Weight	H	W	(kg) Weight		H	W	(kg) Weight	Electric Motor Driving
3	390	64	848	510	150	-	-	-	-	1030	305	265	SMC-00
4	480	84	910	560	240	-	-	-	-	1070	305	384	SMC-0
5	580	100	1030	610	251	995	460	303	BA-1	1135	457	520	SMC-1
6	630	126	-	-	-	1360	460	680	BA-1	1681	305	804	SMC-1
8	770	158	-	-	-	1500	610	762	BA-2	1860	305	948	SMC-1

Main size of outside and weight						J61Y-2000Lb, J561Y-2000Lb, J961Y-2000Lb							
NPS (in)	L	d	Hand-Operated			Gear Driving			Gear Driving	Electric Driving Device			
			H	W	(kg) Weight	H	W	(kg) Weight		H	W	(kg) Weight	Electric Motor Driving
2½	420	50	815	510	160	-	-	-	-	975	305	340	SMC-0
3	470	60	895	560	200	-	-	-	-	1060	305	388	SMC-0
4	570	80	1024	700	280	1125	460	386	BA-1	1220	305	542	SMC-1
5	660	96	-	-	-	1370	610	460	BA-2	1425	457	646	SMC-2
6	760	118	-	-	-	1430	610	560	BA-2	1480	457	780	SMC-2

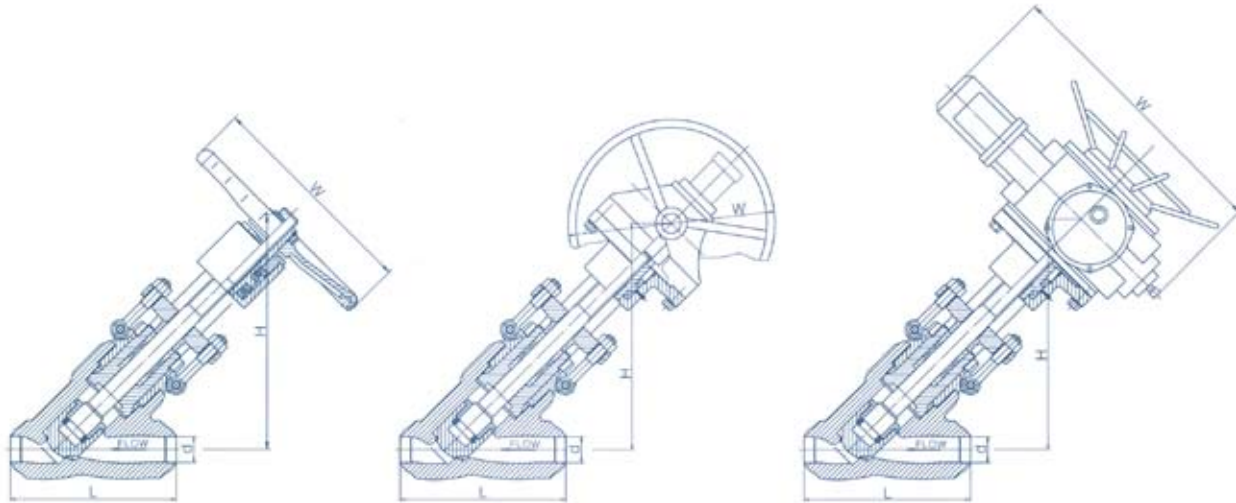
POWER STATION GLOBE VALVE



Main size of outside and weight						J61Y-2500Lb, J561Y-2500Lb, J961Y-2500Lb							
NPS (in)	L	d	Hand-Operated			Gear Driving			Gear Driving	Electric Driving Device			Electric Motor Driving
			H	W	(kg) Weight	H	W	(kg) Weight		H	W	(kg) Weight	
2½	420	46	857	510	250	-	-	-	-	975	305	390	SMC-0
3	470	54	940	560	290	-	-	-	-	1065	305	430	SMC-0
4	570	70	1085	700	325	1125	460	406	BA-1	1220	305	700	SMC-1
5	660	88	-	-	-	1370	610	505	BA-2	1425	457	772	SMC-2
6	760	104	-	-	-	1430	610	605	BA-2	1480	457	872	SMC-2

Main size of outside and weight						J61Y-3500Lb, J561Y-3500Lb, J961Y-3500Lb							
NPS (in)	L	d	Hand-Operated			Gear Driving			Gear Driving	Electric driving device			Electric Motor Driving
			H	W	(kg) Weight	H	W	(kg) Weight		H	W	(kg) Weight	
2½	480	38	890	460	235	-	-	-	-	945	305	342	SMC-00
3	640	48	1030	560	425	1055	310	458	BA-0	1150	305	565	SMC-0
4	762	60	-	-	-	1264	460	641	BA-1	1366	305	810	SMC-0
5	864	74	-	-	-	1435	460	903	BA-1	1530	457	920	SMC-2
6	965	88	-	-	-	1600	760	1050	BA-2	1725	610	1100	SMC-3

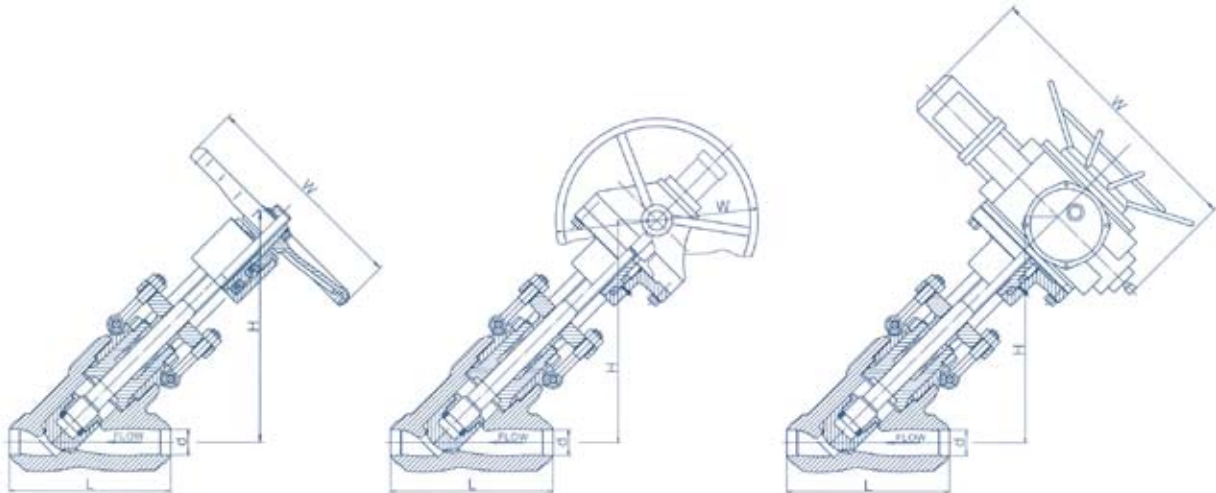
POWER STATION Y-TYPE GLOBE VALVE



Main size of outside and weight						J65Y-1500Lb、J565Y-1500Lb、J965Y-1500Lb							
NPS (in)	L	d	Hand-Operated			Gear Driving			Electric driving device				
			H	W	(kg) Weight	H	W	(kg) Weight	Gear Driving	H	W	(kg) Weight	Electric Motor Driving
2½	330	56	670	360	45	-	-	-	-	-	-	-	-
3	368	64	750	460	70	-	-	-	-	990	305	200	SMC-0
4	457	84	830	510	110	-	-	-	-	990	305	310	SMC-1
5	533	100	910	560	129	1100	460	505	BA-1	1115	305	514	SMC-1
6	610	126	1100	610	180	1730	610	520	BA-2	1763	457	534	SMC-2
8	762	158	-	-	-	2010	610	820	BA-2	2026	457	950	SMC-2

Main size of outside and weight						JZ565Y-2000Lb、J965Y-2000Lb					
NPS (in)	L	d	Gear Driving			Gear Driving	Electric Driving Device			Electric Motor Driving	
			H	W	(kg) Weight		H	W	(kg) Weight		
4	457	80	870	460	214	BA-1	990	305	327	SMC-1	
5	533	96	995	460	303	BA-1	1115	305	408	SMC-1	
6	610	118	1025	610	470	BA-2	1423	457	470	SMC-2	
8	762	148	1505	610	980	BA-2	1615	457	1050	SMC-2	
10	914	180	1825	760	1280	BA-3	2240	610	1582	SMC-4	
12	1041	222	2300	610	2714	B-4-PA-2	2490	610	2340	SMC-4	

POWER STATION Y-TYPE GLOBE VALVE



Main size of outside and weight						J65Y-2500Lb、J565Y-2500Lb、J965Y-2500Lb							
NPS (in)	L	d	Hand-Operated			Gear Driving			Gear Driving	Electric Driving Device			Electric Motor Driving
			H	W	(kg) Weight	H	W	(kg) Weight		H	W	(kg) Weight	
2	310	38	550	300	42	-	-	-	-	810	305	130	SMC-00
2½	340	46	670	360	72	-	-	-	-	895	305	160	SMC-00
3	390	54	750	460	81	750	310	121	BA-0	995	305	217	SMC-0
4	480	70	830	720	130	870	460	212	BA-1	990	305	337	SMC-1
5	580	86	-	-	-	995	460	312	BA-1	1115	305	432	SMC-1
6	630	104	-	-	-	1205	610	410	BA-2	1280	457	652	SMC-2
8	770	130	-	-	-	1565	610	1060	BA-2	1615	457	1122	SMC-2
10	930	162	-	-	-	1870	760	1380	BA-3	1930	610	1652	SMC-3
12	1060	210	-	-	-	2335	760	2824	B-4-PA-2	2240	610	2862	SMC-4
14	1160	234	-	-	-	2515	760	3624	B-4-PA-2	2420	610	3662	SMC-4

Main size of outside and weight						J565Y-3500Lb、J965Y-3500Lb				
NPS (in)	L	d	Gear Driving			Gear Driving	Electric Driving Device			Electric Motor Driving
			H	W	(kg) Weight		H	W	(kg) Weight	
3	470	48	817	310	172	BA-0	1005	305	272	SMC-0
4	550	60	930	310	293	BA-0	1133	305	387	SMC-0
5	660	74	1075	460	462	BA-1	1280	305	582	SMC-1
6	790	88	1220	460	727	BA-1	1320	305	847	SMC-1



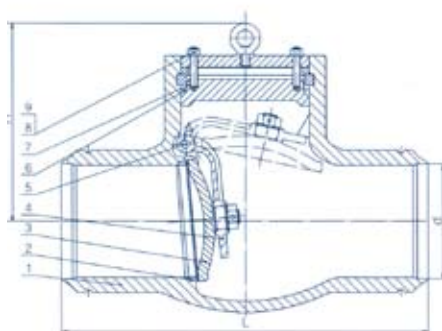
POWER STATION SWING CHECK VALVE

Technical specification

Structural Formation	PS-BG-OS&Y
Driving Manner	Hand-operated, Geared Driving, Electric Driving Device
Design Standard	JB/T 3595
Face to face	JB/T 2766, GB/T 12221
Butt-welding Ends	JB/T 3595 ASME 16.25
Test & Inspection	JB/T 3595

Notes: The sizes of serial valve connecting flange can be designed according to customers' requirement.

Form of major parts materials



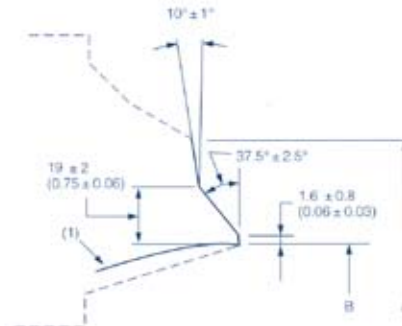
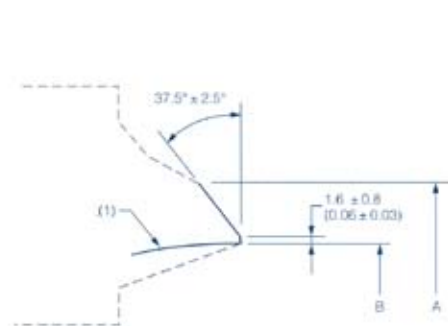
No.	Part name	Material
1	Body	WCB, WC1, WC6, WC9
2	Seat	A105, 25, 15CrMoA, 12CrMoVA
3	Disc	A105, 25, 12CrMoVA
4	Arm	WCB, WC1, WC6, WC9
5	Pin	A105, 25, 15CrMoA, 12CrMoVA
6	Sealing ring	Flexible Graphite
7	Bonnet	WCB, WC1, WC6, WC9
8	Stud	35CrMoA, 25Cr2MoVA
9	Nut	35CrMoA, 25Cr2MoVA

Main size of outside and weight

H64Y-1500Lb, H64Y-2000Lb, H64Y-2500Lb

NPS (in)	1500Lb				2000Lb				2500Lb			
	L	d	H	(kg) Weight	L	d	H	(kg) Weight	L	d	H	(kg) Weight
2½	254	55	282	45	330	50	240	40	-	-	-	-
3	305	64	274	50	368	60	305	60	368	54	297	44
4	406	84	350	80	457	80	315	95	457	70	385	110
5	483	100	425	115	533	96	409	170	533	86	403	168
6	559	126	400	180	610	118	465	186	610	104	455	192
8	711	158	490	270	762	147	528	415	762	130	557	456
10	864	200	540	430	914	180	613	658	914	162	615	730
12	991	250	650	630	1041	222	660	1200	1041	210	715	1120
14	1067	280	710	1400	1118	254	745	1638	1118	234	790	1495
16	-	-	-	-	-	-	-	-	1245	264	815	1950
18	-	-	-	-	-	-	-	-	1397	304	815	2400

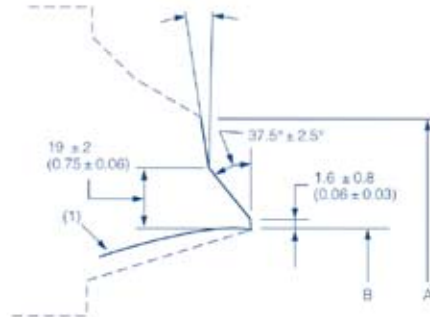
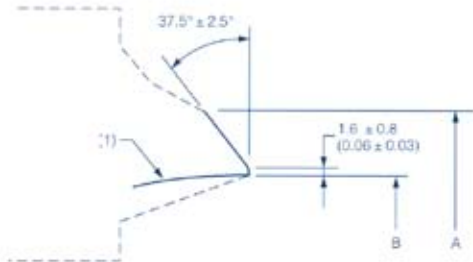
BUTT-WELDING ENDS



DN65–250						
Pipe nominal specification (DN)	Series of pipe schedule thickness [Note(1)]	Welded-end out diameters		B	C[Note(3)]	t
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A			
65	40	73.0	75	62.5	662.93	5.16
	80	73.0	75	59	59.89	7.01
	160	73.0	75	54	55.28	9.35
	XXS	73.0	75	45	47.43	14.02
80	40	88.9	91	78	78.25	5.49
	80	88.9	91	73.5	74.53	7.62
	160	88.9	91	66.5	68.38	11.13
90	XXS	88.9	91	58.5	61.19	15.24
	40	101.6	105	90	90.52	5.74
	80	101.6	105	85.5	86.42	8.08
100	40	114.3	117	102	102.73	6.02
	80	114.3	117	97	98.28	8.56
	120	114.3	117	92	93.78	11.13
	160	114.3	117	87.5	89.65	13.49
125	XXS	114.3	117	80	83.30	17.12
	40	141.3	144	128	128.80	6.55
	80	141.3	144	122	123.58	9.3
	120	141.3	144	116	118.04	12.70
150	160	141.3	144	109.5	112.47	15.88
	XXS	141.3	144	103	106.92	19.05
	40	168.3	172	154	154.82	7.11
	80	168.3	172	146.5	148.06	10.97
200	120	168.3	172	140	142.29	14.27
	160	168.3	172	132	136.31	18.26
	XXS	168.3	172	124.5	128.85	21.95
	40	219.1	223	203	203.75	8.18
250	60	219.1	223	198.5	200.02	10.31
	80	219.1	223	193.5	195.84	12.70
	100	219.1	223	189	191.65	15.09
	120	219.1	223	182.5	186.11	18.26
300	140	219.1	223	178	181.98	20.62
	XXS	219.1	223	174.5	179.16	22.23
	160	219.1	223	173	177.79	23.01
	40	273.0	278	254.5	255.74	9.27
350	60	273.0	278	247.5	249.74	12.70
	80	273.0	278	243	245.55	15.09
	100	273.0	278	236.5	240.01	18.26
	120	273.0	278	230	234.44	21.44
400	140	273.0	278	222	227.51	25.40
	160	273.0	278	216	221.95	28.58

DN300–450							
Pipe nominal specification (DN)	Series of pipe schedule thickness [Note(1)]	Welded-end out diameters		B	C[Note(3)]	t	
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A				
300	STD	323.8	329	305	306.08	9.53	
	40	323.8	329	303	304.72	10.31	
	XS	323.8	329	298.5	300.54	12.70	
	60	323.8	329	295	297.79	14.27	
	80	323.8	329	289	292.17	17.48	
	100	323.8	329	281	285.24	21.44	
	120	323.8	329	273	278.31	25.40	
	140	323.8	329	266.5	272.75	28.58	
	160	323.8	329	257	264.45	33.32	
	STD	355.6	362	336.5	337.88	9.53	
350	40	355.6	362	333.5	335.08	11.13	
	XS	355.6	362	330	332.34	12.70	
	60	355.6	362	325.5	328.15	15.09	
	80	355.6	362	317.5	321.22	19.05	
	100	355.6	362	308	312.86	23.83	
	120	355.6	362	300	305.93	27.79	
	140	355.6	362	292	299.00	31.75	
	160	355.6	362	284	292.07	35.71	
	STD	406.4	413	387.5	388.68	9.53	
	400	40	406.4	413	381	383.14	12.70
60		406.4	413	373	376.21	16.66	
80		406.4	413	363.5	367.84	21.44	
100		406.4	413	354	359.53	26.19	
120		406.4	413	344.5	351.18	30.96	
140		406.4	413	333.5	341.43	36.53	
160		406.4	413	325.5	334.50	40.49	
STD		457.2	464	438	439.48	9.53	
450		40	457.2	464	432	433.94	12.70
		XS	457.2	464	428.5	431.19	14.27
	60	457.2	464	419	422.82	19.05	
	80	457.2	464	409.5	414.46	23.83	
	100	457.2	464	398.5	404.78	29.36	
	120	457.2	464	387.5	395.03	34.93	
	140	457.2	464	378	386.77	39.67	
	160	457.2	464	368.5	376.99	45.24	

BUTT-WELDING ENDS



DN500-800

Pipe nominal specification (DN)	Series of pipe schedule thickness [Note(1)]	Welded-end out diameters		B	C[Note(3)]	t
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A			
500	STD	508.0	516	489	490.28	9.53
	XS	508.0	516	482.5	484.74	12.70
	40	508.0	516	478	480.55	15.09
	60	508.0	516	467	470.88	20.62
	80	508.0	516	455.5	461.13	26.19
	100	508.0	516	443	450.02	32.54
	120	508.0	516	432	440.29	38.10
	140	508.0	516	419	429.17	44.45
550	STD	558.8	567	539	541.08	9.53
	XS	558.8	567	533	535.54	12.70
	60	558.8	567	514	518.86	22.23
	80	558.8	567	501	507.75	28.58
	100	558.8	567	488.5	496.63	34.93
	120	558.8	567	476	485.52	41.26
	140	558.8	567	463	474.41	47.63
	160	558.8	567	450.5	463.30	53.98
600	STD	609.6	619	590.5	591.88	9.53
	XS	609.6	619	584	586.34	12.70
	30	609.6	619	581	583.59	14.27
	40	609.6	619	574.5	577.97	17.48
	60	609.6	619	560.5	565.49	24.61
	80	609.6	619	547.5	554.38	30.96
	100	609.6	619	532	540.49	38.89
	120	609.6	619	517.5	528.03	46.02
650	140	609.6	619	505	516.91	52.37
	160	609.6	619	490.5	504.37	59.54
	10	660.4	670	645.5	645.50	7.92
	20	660.4	670	635	637.14	12.70
700	10	711.2	721	695.5	696.30	7.92
	20	711.2	721	686	687.94	12.70
	30	711.2	721	679.5	682.37	15.88
750	10	762.0	772	746	747.10	7.92
	20	762.0	772	736.5	738.74	12.70
	30	762.0	772	730	733.17	15.88
800	10	812.8	825	797	797.90	7.92
	20	812.8	825	787.5	789.54	12.70
	30	812.8	825	781	783.97	15.88
	40	812.8	825	778	781.17	17.48

DN850-900

Pipe nominal specification (DN)	Series of pipe schedule thickness [Note(1)]	Welded-end out diameters		B	C[Note(3)]	t
		Forged or manufactured components [Note(1)]A	Casting steel valve [Note(2)]A			
850	10	863.6	876	848	848.70	7.92
	20	863.6	876	838	840.34	12.70
	30	863.6	876	832	834.77	15.88
	40	863.6	876	828.5	831.97	17.48
900	10	914.4	927	898.5	889.50	7.92
	20	914.4	927	889	891.14	12.70
	30	914.4	927	882.5	885.57	15.88
	40	914.4	927	876.5	880.02	19.05

Note(1) Characters stand for:

- (a) STD=Standard schedule thickness
- (b) XS=Thickened
- (c) XXS=Super thickened

(2) All the diameters are not required size, just be convenient for users.

(3) Gasket rings for Dn50 and below size are not considered to manufacture.



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