



## GLOBE VALVE



**TIANJIN FREYA AUTOMATION  
TECHNOLOGY CO., LTD.**

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**TIANJIN FREYA AUTOMATION  
TECHNOLOGY CO., LTD.**

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# GLOBE VALVE

Founded in 2014, Freya specializes in fluid control products and services such as valves, actuators, electric valve actuators, and electric valves. It focuses on the process industry and has long been committed to providing services to process industries such as power, steel, building materials, and water treatment to provide professional fluid control solutions. Based on the actual working conditions, through necessary on-site surveying and technical explanations, we provide customers with safe, economical and environmental-friendly selection and design, supply in strict accordance with contract requirements and guide installation and debugging, and hand over for use if standards are met. Thanks to the trust of the vast number of users, through long-term and large-scale on-site services, and the effective accumulation of technical experience, the company has an accurate understanding of the real needs and pain points of users and the market, as well as expectations for equipment manufacturers.

The company based on its own patent R & D and production of intelligent electric actuators, reliable, durable, easy to use, cost-effective and guaranteed service. Being close to users, providing full-process services, cover-all services, repair and maintenance value-added services, and escorting users' production are our differentiating advantages. Freya intelligent electric actuator and electric valve actuator provide a two-year warranty and lifetime free after-sales service after installation and commissioning. Technical quality and commercial credit are the two foundations on which the company relies to survive and drive the development of the company. Users feel reassured, worry-free and happy, which are the only criteria to evaluate the effectiveness of our work and demonstrate the value of our existence.



**Main features**

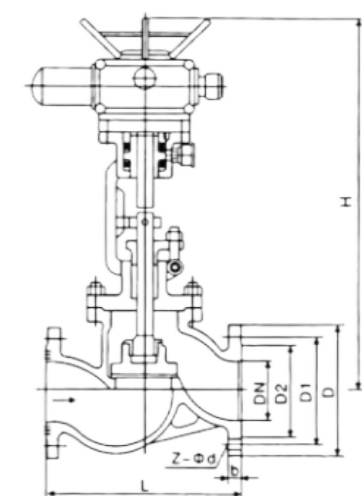
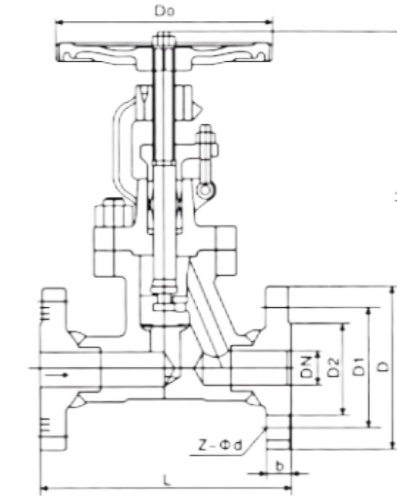
- Streamline, outside screw and yoke
- Middle flange bolt connection
- Loose disc
- Rising stem and handwheel
- Yoke integral with bonnet
- Gear operator operation option
- Standard flange ends

**Product specification**

Product specification	Design	Face to Face	Flange Ends	Test & Check	Pressure-Temp.	Marking	Supply
	GB/T 12235	GB/T 12221	GB/T 9113 HG/T 20592 JB/T 79	JB/T 26480	GB/T 12224	GB/T 12220	JB/T 7928

**Main parts material**

Parts name	Parts material			
Body/Bonnet	WCB	ZGCr5Mo	ZG1Cr18Ni9Ti	ZG0Cr18Ni12Mo2Ti
Disc	WCB	25Cr2MoV	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
Stem	20Cr13	25Cr2MoV	1Cr18Ni9Ti	1Cr18Ni12Mo2Ti
Packing	Flexible Graphite	Flexible Graphite	PTFE	PTFE
Gasket	18-8 Flexible Graphite			
Bolt	35/35CrMo	25CrMo	1Cr18Ni9	1Cr18Ni9
Temperature	-29~425°C	-29~450°C	-40~200°C	-40~200°C
Media	Water, oil, steam	Oil, steam	Nitric acid	Acetic acid

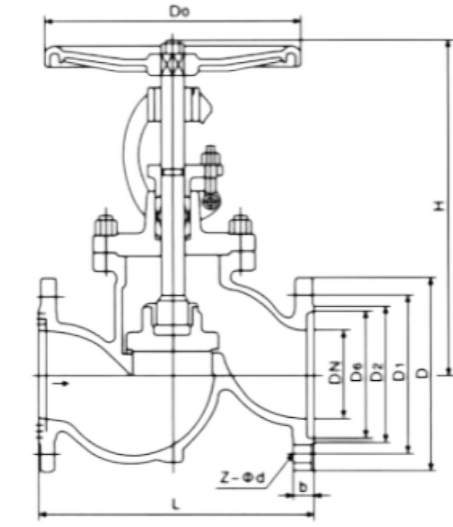


1.6MPa

Model	DN mm	L	D	D1	D2	b	Z-φd	H	D0	Weight Kg
J41H-16C J41Y-16C	15	130	95	65	45	16	4-14	218	120	4.8
	20	150	105	75	55	16	4-14	258	140	6.5
	25	160	115	85	65	16	4-14	275	160	7
	32	180	135	100	78	18	4-18	280	180	8.2
	40	200	145	110	85	18	4-18	330	200	11
J41H-16P J41Y-16P	50	230	160	125	100	18	4-18	350	240	14.5
	65	290	180	145	120	18	4-18	400	280	21.5
J41H-16R J41Y-16R	80	310	195	160	135	20	8-18	355	280	27
	100	350	215	180	155	22	8-18	415	320	30
	125	400	245	210	185	24	8-18	460	360	84
	150	480	280	240	210	24	8-23	510	400	91
	200	500	335	295	265	26	12-23	710	400	148
	250	730	405	355	320	30	12-23	766	450	405
300	850	460	410	375	30	12-23	925	500	610	

2.5MPa

Model	DN mm	L	D	D1	D2	b	Z-φd	H	D0	Weight Kg
J41H-25C J41Y-25C	15	130	95	65	45	16	4-14	218	120	5
	20	150	105	75	55	16	4-14	258	140	6.9
	25	160	115	85	65	16	4-14	275	160	7.4
	32	180	135	100	78	18	4-18	280	180	8.5
	40	200	145	110	85	18	4-18	330	200	12.5
J41H-25P J41Y-16P	50	230	160	125	100	20	4-18	350	240	16
	65	290	180	145	120	22	4-18	400	280	25
J41H-25R J41Y-25R	80	310	195	160	135	22	8-18	355	280	30
	100	350	230	190	160	24	8-23	415	320	34.5
	125	400	270	220	188	28	8-25	460	360	89
	150	480	300	250	218	30	8-25	510	400	98
	200	500	360	310	278	34	12-25	710	400	170
	250	730	425	370	332	36	12-30	766	450	446
	300	850	485	430	390	40	12-30	925	500	654



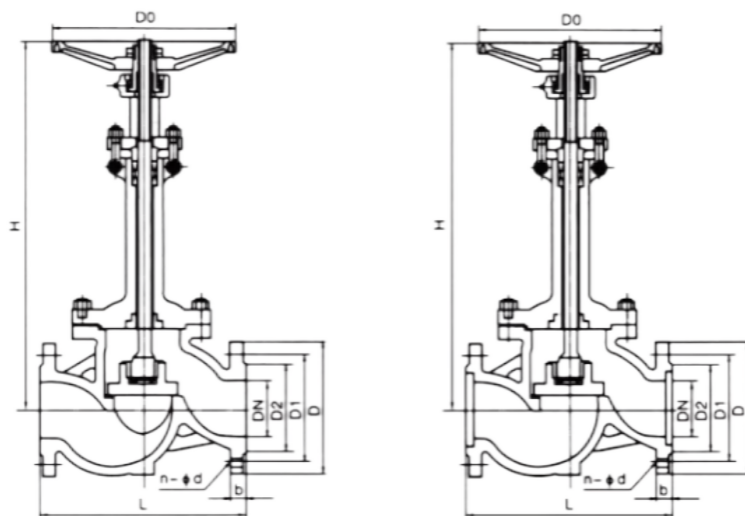
6.4MPa

Model	DN mm	L	D	D1	D2	D6	b	Z-φd	H	D0	Weight Kg
J41H-64C J41Y-64C	15	170	105	75	55	41	18	4-14	195	140	5.5
	20	190	125	90	68	51	20	4-18	228	160	7.5
	25	210	135	100	78	58	22	4-18	275	180	9.1
	32	230	150	110	82	66	24	4-23	325	200	12
	40	260	165	125	95	76	24	4-23	360	240	18
J41H-64P J41Y-64P	50	300	175	135	105	88	26	8-23	410	280	26
	65	340	200	160	130	110	28	8-23	450	320	36
J41H-64R J41Y-64R	80	380	210	170	140	121	30	8-23	485	360	48
	100	430	250	200	168	150	32	8-25	537	400	68
	125	500	295	240	202	176	36	8-30	631	400	96
	150	550	340	280	240	204	38	8-34	646	450	107
	200	650	405	345	300	260	44	12-34	813	500	182

4.0MPa

Model	DN mm	L	D	D1	D2	D6	b	Z-φd	H	D0	Weight Kg
J41H-40C J41Y-40C	15	130	95	65	45	40	16	4-14	233	120	5.52
	20	150	105	75	55	51	16	4-14	275	140	7.1
	25	160	115	85	65	58	16	4-14	285	160	8.7
	32	180	135	100	78	66	18	4-18	302	180	11.8
	40	200	145	110	85	76	18	4-18	355	200	16.5
J41H-40P J41Y-40P	50	230	160	125	100	88	20	4-18	373	240	24
	65	290	180	145	120	110	22	8-18	408	280	33
J41H-40R J41Y-40R	80	310	195	160	135	121	22	8-18	436	320	44
	100	350	230	190	160	150	24	8-23	480	360	60
	125	400	270	220	188	176	28	8-25	558	400	93
	150	480	300	250	218	204	30	8-25	611	400	102
	200	600	375	320	282	260	38	12-30	720	400	175

# LOW TEMPERATURE GLOBE VALVE



## Product specification

Product specification	Design	Face to Face	Flange Ends	Test & Check
	JB/T 7749	GB/T 12221	HG/T 20592 JB/T 79	GB/T 13927 JB/T 26480

## Pressure test

MPa

Nominal pressure PN	1.5	2.5	4.0
Strength test	2.4	3.75	6.0
Water sealing test	1.76	2.75	4.4
Upper sealing test	1.76	2.75	4.4
Air sealing test	0.4-0.7	0.4-0.7	0.4-0.7

# LOW TEMPERATURE GLOBE VALVE

1.6MPa

Model	DN mm	L	D	D1	D2	b	n-φd	H			D0
								-46°C	-101°C	-196°C	
DJ41Y-16L DJ41Y-16P DJ41Y-16R DJ41Y-16LC1 DJ41Y-16LC2 DJ41Y-16LC3 DJ41Y-16LC4	50	230	160	125	100	16	4-14	460	480	520	240
	65	290	180	145	120	18	4-14	475	508	525	280
	80	310	195	160	135	20	8-18	520	550	590	280
	100	350	215	180	155	20	8-18	545	575	615	320
	125	400	245	210	185	22	8-18	590	620	660	360
	150	480	280	240	210	24	8-23	650	680	730	400
	200	600	335	295	265	26	12-23	850	880	930	400
	250	650	405	355	320	30	12-25	956	986	1036	450
300	700	460	410	375	30	12-25	1095	1125	1175	500	

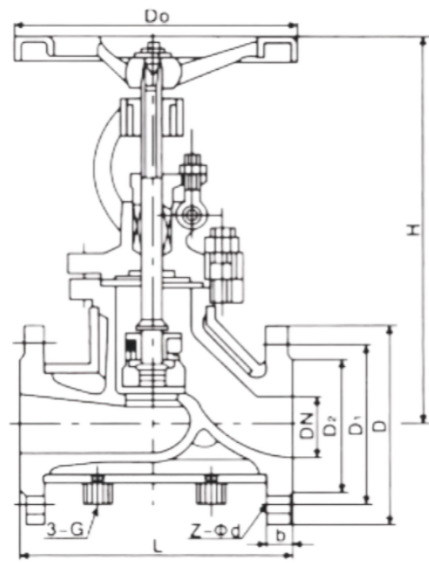
2.5MPa

Model	DN mm	L	D	D1	D2	b	n-φd	H			D0
								-46°C	-101°C	-196°C	
DJ41Y-25L DJ41Y-25P DJ41Y-25R DJ41Y-25LC1 DJ41Y-25LC2 DJ41Y-25LC3 DJ41Y-25LC4	50	230	160	125	100	20	4-18	460	480	520	240
	65	290	180	145	120	22	8-18	475	508	525	280
	80	310	195	160	135	22	8-18	520	550	590	280
	100	350	230	180	160	24	8-23	545	575	615	320
	125	400	270	220	188	28	8-25	590	620	660	360
	150	480	300	250	218	30	8-25	650	680	730	400
	200	600	360	310	278	34	12-25	850	880	930	400
	250	650	425	370	332	36	12-30	956	986	1036	450
300	750	485	430	390	40	16-30	1095	1125	1175	500	

4.0MPa

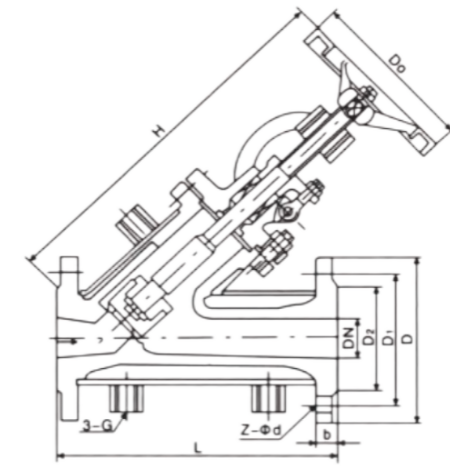
Model	DN mm	L	D	D1	D2	b	n-φd	H			D0
								-46°C	-101°C	-196°C	
DJ41Y-40L DJ41Y-40P DJ41Y-40R DJ41Y-40LC1 DJ41Y-40LC2 DJ41Y-40LC3 DJ41Y-40LC4	50	230	160	125	100	20	4-18	483	504	546	240
	65	290	180	145	120	22	8-18	499	530	551	280
	80	310	195	160	135	22	8-18	546	578	620	280
	100	350	230	190	160	24	8-23	572	604	646	320
	125	400	270	220	188	28	8-25	620	651	693	360
	150	480	300	250	218	30	8-25	683	741	767	400
	200	600	375	320	282	38	12-30	893	924	977	400
	250	650	445	385	345	42	12-34	1004	1035	1088	450
300	750	510	450	408	46	16-34	1150	1181	1234	500	

# INSULATED GLOBE VALVE



Model	DN mm	1.6MPa				2.5MPa				4.0MPa			
		L	H	D0	Weight Kg	L	H	D0	Weight Kg	L	H	D0	Weight Kg
BJ41W-16C BJ41W-16P BJ41W-16R	15	130	175	180	4	130	175	180	4	130	175	180	4
	20	150	180	180	5	150	180	180	5	150	180	180	5
	25	160	210	200	6	160	210	200	6	160	200	200	6
	32	180	210	200	7	180	210	200	7	180	200	200	7
	40	200	350	200	18	200	350	200	18	200	350	200	18
	50	250	358	240	29	250	358	240	29	250	358	240	29
	65	265	373	240	33	265	373	240	33	280	373	240	33
	80	280	435	280	46	280	435	280	46	310	435	280	46
	100	300	500	320	63	300	500	320	64	350	500	320	64
	BJ41W-25 BJ41W-25P BJ41W-25R	125	325	614	360	108	325	614	360	105	400	614	360
150		350	674	360	134	350	674	360	142	450	674	360	142
BJ41W-40 BJ41W-40P BJ41W-40R	200	400	818	400	192	400	818	400	213	550	818	400	213
	250	450	1225	450	228	450	1225	450	290	650	1225	450	374
	300	500	1415	500	300	500	1415	500	324	750	1415	500	550
	350	550	1630	500	388	550	1630	500	423	850	1830	500	890
	400	600	1780	600	566	600	1780	600	566	900	1880	600	1235
	450	650	2050	720	900	650	2050	720	900	-	-	-	-
500	700	2181	720	958	700	2181	720	958	-	-	-	-	
600	800	2599	720	1410	800	2599	720	1410	-	-	-	-	

# INSULATED GLOBE VALVE



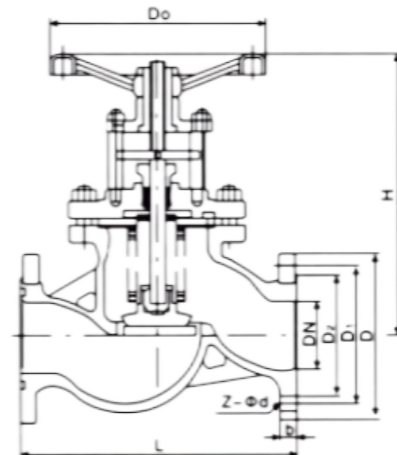
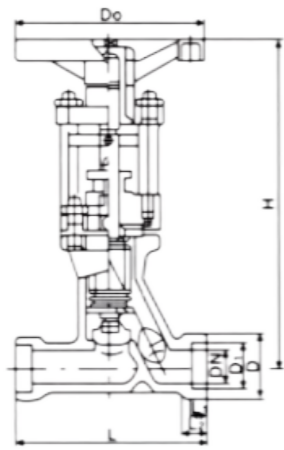
2.5MPa

Model	DN mm	L	D	D1	D2	b	Z-φd	G	H	D0	Weight Kg
BJ45H-25 BJ45Y-25P BJ45Y-25R BJ45Y-25R3	15	200	105	75	55	16	4-14	1/2"	210	120	15
	20	220	115	85	65	16	4-14	1/2"	240	140	21
	25	220	135	100	78	18	4-18	1/2"	250	160	25
	32	250	145	110	85	18	4-18	1/2"	270	160	30
	40	270	160	125	100	20	4-18	1/2"	310	160	36
	50	300	180	145	120	22	8-18	1/2"	330	240	40
	65	350	195	160	136	22	8-18	3/4"	360	240	54
	80	380	230	190	160	24	8-23	3/4"	400	280	70
	100	430	270	220	188	28	8-25	3/4"	480	320	100
	125	490	300	250	218	30	8-25	1"	550	360	130
	150	570	360	280	248	32	12-25	1"	620	400	170
	200	690	470	340	302	36	12-30	1"	750	400	250

4.0MPa

Model	DN mm	L	D	D1	D2	b	Z-φd	G	H	D0	Weight Kg
BJ45H-40 BJ45Y-40P BJ45Y-40R BJ45Y-40R3	15	200	105	75	55	16	4-14	1/2"	210	120	18
	20	220	115	85	65	16	4-14	1/2"	240	140	21
	25	220	135	100	78	18	4-18	1/2"	250	160	25
	32	250	145	110	85	18	4-18	1/2"	270	160	33
	40	270	160	125	100	20	4-18	1/2"	310	160	41
	50	300	180	145	120	22	8-18	1/2"	330	240	45
	65	350	195	160	136	22	8-18	3/4"	360	240	62
	80	380	230	190	160	24	8-23	3/4"	400	280	80
	100	430	270	220	188	28	8-25	3/4"	480	320	100
	125	490	300	250	218	30	8-25	1"	550	360	130
	150	570	350	295	258	34	12-30	1"	620	360	185
	200	690	415	355	315	40	12-34	1"	750	400	268

# BELLOW GLOBE VALVE



1.6, 2.5, 4.0MPa

Model	DN mm	L	D	D1	L1	L2	H	D0	Weight Kg
WJ61-16 WJ61-25 WJ61-40	15	110	34	22.5	10	18	214	22.5	1.9
	20	130	40	28.5	11	18	242	28.5	2.3
	25	140	48	34.5	12	20	245	34.5	3.4
WJ61W-16 WJ61W-25 WJ61W-40	32	160	56	43	14	22	296	43	5.2
	40	180	64	49	15	25	337	49	7.3
	50	230	85	61	18	28	342	61	10

1.6MPa

Model	DN mm	L	D	D1	D2	b	Z-φd	H	D0	Weight Kg
WJ41H-16 WJ11W-16	15	130	95	65	47	14	4-13.5	202	120	5
	20	150	105	75	58	14	4-13.5	231	140	7
	25	160	115	85	68	14	4-13.5	231	140	9
	32	180	140	100	78	16	4-17.5	286	160	12
	40	200	150	110	88	16	4-17.5	317	200	16
	50	230	165	125	102	16	4-17.5	317	200	19
	65	290	185	145	122	18	8-17.5	331	240	23
	80	310	200	160	123	20	8-17.5	402	240	30
	100	350	220	180	158	20	8-17.5	416	320	42
	125	400	250	210	184	22	8-17.5	467	360	63
	150	480	285	240	212	24	8-22	525	360	90
	200	600	340	295	268	26	12-22	611	500	150

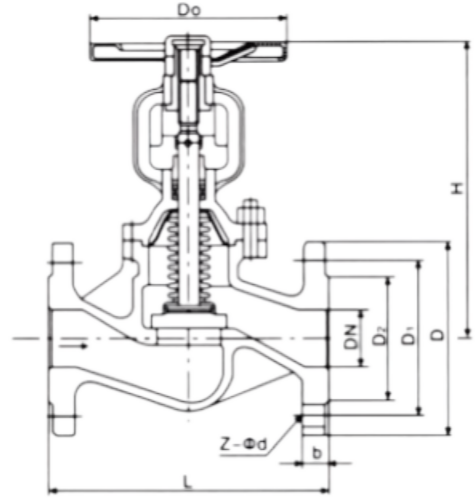
# BELLOW GLOBE VALVE

2.5MPa

Model	DN mm	L	D	D1	D2	b	Z-φd	H	D0	Weight Kg
WJ41H-25 WJ11W-25	15	130	95	65	47	16	4-13.5	202	120	5
	20	150	105	75	58	16	4-13.5	231	160	7
	25	160	115	85	68	16	4-13.5	231	160	9
	32	180	140	100	78	18	4-17.5	286	160	12
	40	200	150	110	88	18	4-17.5	317	200	19
	50	230	165	125	102	20	4-17.5	317	200	24
	65	290	185	145	122	22	8-17.5	331	280	33
	80	310	200	160	133	22	8-17.5	402	280	44
	100	350	235	190	158	24	8-22	416	320	60
	125	400	270	220	184	28	8-26	467	360	72
150	480	300	250	212	30	8-26	525	360	98	
200	600	360	310	278	30	12-27	611	500	169	

4.0MPa

Model	DN mm	L	D	D1	D2	b	Z-φd	H	D0	Weight Kg
WJ41H-40 WJ11W-40	15	130	95	65	47	16	4-13.5	202	120	5
	20	150	105	75	58	16	4-13.5	228	160	7
	25	160	115	85	68	16	4-13.5	228	160	9
	32	180	140	100	78	18	4-17.5	274	160	12
	40	200	150	110	88	20	4-17.5	345	200	16
	50	230	165	125	102	22	4-17.5	396	200	23
	65	290	185	145	122	22	8-17.5	339	280	33
	80	310	200	160	133	24	8-17.5	405	280	43
	100	350	235	190	158	28	8-22	460	320	69



1.6MPa

Model	DN mm	L	D	D1	D2	b	Z-φd	H	D0	Weight Kg
WJ41H-16 WJ11W-16	15	130	95	65	45	16	4-14	191	120	5
	20	150	105	75	58	18	4-14	191	140	7
	25	160	115	85	68	18	4-14	197	140	9
	32	180	140	100	78	18	4-18	200	160	12
	40	200	150	110	88	18	4-18	218	200	16
	50	230	165	125	102	18	4-18	220	200	19
	65	290	185	145	122	20	4-18	238	240	23
	80	310	200	160	138	20	8-18	257	240	30
	100	350	220	180	158	20	8-18	340	320	42
	125	400	250	210	188	22	8-18	360	360	63
150	480	285	240	212	22	8-22	390	360	90	
200	600	340	295	268	24	12-22	530	500	150	

2.5MPa

Model	DN mm	L	D	D1	D2	b	Z-φd	H	D0	Weight Kg
WJ41H-25 WJ11W-25	15	130	95	65	45	16	4-14	191	120	5
	20	150	105	75	58	18	4-14	191	160	7
	25	160	115	85	68	18	4-14	197	160	9
	32	180	140	100	78	18	4-18	200	160	12
	40	200	150	110	88	18	4-18	218	200	19
	50	230	165	125	102	20	4-18	220	200	24
	65	290	185	145	122	22	8-18	238	280	33
	80	310	200	160	138	24	8-18	257	280	44
	100	350	235	220	162	24	8-22	340	320	60
	125	400	270	250	188	26	8-26	360	360	72
150	480	300	295	218	28	8-26	390	360	98	
200	600	360	310	278	30	12-26	530	500	169	

4.0MPa

Model	DN mm	L	D	D1	D2	b	Z-φd	H	D0	Weight Kg
WJ41H-40 WJ11W-40	15	130	95	65	45	16	4-14	191	120	5
	20	150	105	75	58	18	4-14	191	160	7
	25	160	115	85	68	18	4-14	197	160	9
	32	180	140	100	78	18	4-18	200	160	12
	40	200	150	110	88	18	4-18	218	200	16
	50	230	165	125	102	20	4-18	220	200	23
	65	290	185	145	122	22	8-18	238	280	33
	80	310	200	160	138	24	8-18	257	280	45
	100	350	235	220	162	24	8-22	340	320	69
	125	400	270	250	188	26	8-26	360	360	98
150	480	300	295	218	28	8-26	390	360	170	

## Main features

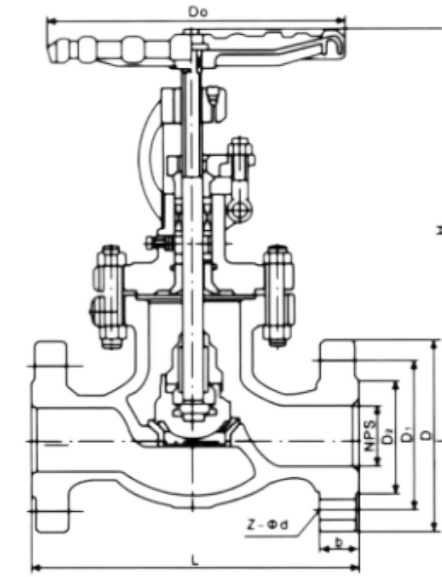
- Streamline, outside screw and yoke
- Middle flange bolt connection
- Loose disc
- Rising stem and handwheel
- Yoke integral with bonnet
- Gear operator operation option
- Standard flange ends

## Product specification

Product specification	Design	Face to Face	Flange Ends	Test & Check	Pressure-Temp.	Marking	Supply
	BS 1873 BS 5160	ASME B16.10	ASME B16.5	API 598	ASME B16.34	MSS SP-25	BS 1873 BS 5160

## Main parts material

Parts name	Parts material			
Body/Bonnet	A216-WCB	A217-WC6	A352-LCB	A351-CF8
Disc	A105	A182-F11	A182-F304	A182-F316
Stem	A182-F6a	A182-F11	A182-F6a	A182-F316
Packing	Flexible Graphite	Flexible Graphite	Flexible Graphite	PTFE
Gasket	18-8 Flexible Graphite			
Bolt	A193-B7	A193-B7	A193-B7M	A193-B8
Temperature	-29~425°C	-29~550°C	-46~350°C	-40~200°C
Media	Water, oil, steam	Oil, steam	Nitric acid	Acetic acid



Class150

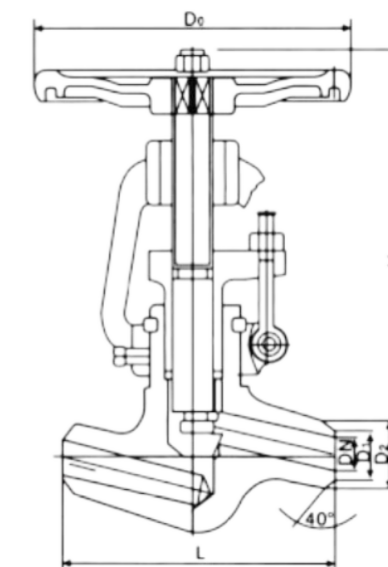
Model	NPS in	DN mm	L	D	D1	D2	b	Z-φd	H1	D0	Weight Kg
J41H-150Lb J41W-150LbP J41H-150LbP J41W-150LbR J41H-150LDL J41W-150LbRL	1/2"	15	108	89	60.5	35	12	4-15	169	125	5
	3/4"	20	117	98	70	43	12	4-15	180	125	7
	1"	25	127	108	79.5	51	12	4-15	190	125	9
	1-1/2"	40	165	152	98.5	73	14.3	4-16	347	180	15
	2"	50	203	178	120.5	92	15.9	4-19	356	180	18
	2-1/2"	65	216	178	139.5	105	17.5	4-19	381	240	30
	3"	80	241	190	152.5	127	19.1	4-19	411	280	41
	4"	100	292	229	190.5	157	24	8-19	454	280	64
	5"	125	356	254	216	186	24	8-22	541	320	86
	6"	150	406	279	241.5	216	25.4	8-22	565	360	113
	8"	200	495	343	298.5	270	29	8-22	800	450	115
	10"	250	622	406	362	324	31	8-25	1231	500	295
12"	300	698	483	432	381	32	8-25	1450	600	450	

Class300

Model	NPS in	DN mm	L	D	D1	D2	b	Z-φd	H1	D0	Weight Kg
J41H-300Lb J41W-300LbP J41H-300LbR J41W-300LbR J41H-300LDL J41W-300LbRL	1/2"	15	152	95	66.5	35	15	4-15	169	190	5.2
	3/4"	20	178	117	82.5	43	16	4-19	180	212	7.3
	1"	25	203	124	89	51	18	4-19	190	231	9.5
	1-1/2"	40	229	156	114.5	73	20.7	4-22	347	391	17.6
	2"	50	267	165	127	92	22	8-19	356	406	25
	2-1/2"	65	292	190	149	105	25	8-22	381	457	30
	3"	80	318	210	168.5	127	29	8-22	411	470	35
	4"	100	356	254	200	157	32	8-22	454	590	56
	5"	125	400	279	235	186	35	8-22	541	614	96
	6"	150	444	318	270	216	37	12-22	565	711	120
	8"	200	559	381	330	270	42	12-25	800	750	212
10"	250	622	441	387.5	324	48	16-29	1231	1012	460	
12"	300	711	521	451	381	51	16-32	1450	1231	615	

Class600

Model	NPS in	DN mm	L	D	D1	D2	b	Z-φd	H1	D0	Weight Kg
J41H-600Lb J41W-600LbP J41H-600LbR J41W-600LbR J41H-600LDL J41W-600LbRL	1/2"	15	165	95	66.5	35	22	4-15	285	160	6
	3/4"	20	190	117.5	82.5	43	23	4-19	285	160	10
	1"	25	216	124	89	51	25	4-19	313	160	12
	1-1/2"	40	241	156	114.5	73	30	4-22	365	240	19
	2"	50	292	165	127	92	33	8-19	444	240	35
	2-1/2"	65	330	190	149	105	36	8-22	483	240	50
	3"	80	356	210	168	127	39	8-22	533	280	60
	4"	100	432	273	216	157	45	8-25	622	360	110
	5"	125	508	330	267	186	52	8-29	750	360	200
	6"	150	559	356	292	216	55	12-29	800	500	230
	8"	200	600	419	349	270	63	12-32	927	550	410
	10"	250	787	508	432	324	71	16-35	1257	600	770
12"	300	838	559	489	381	74	20-35	1468	680	1140	



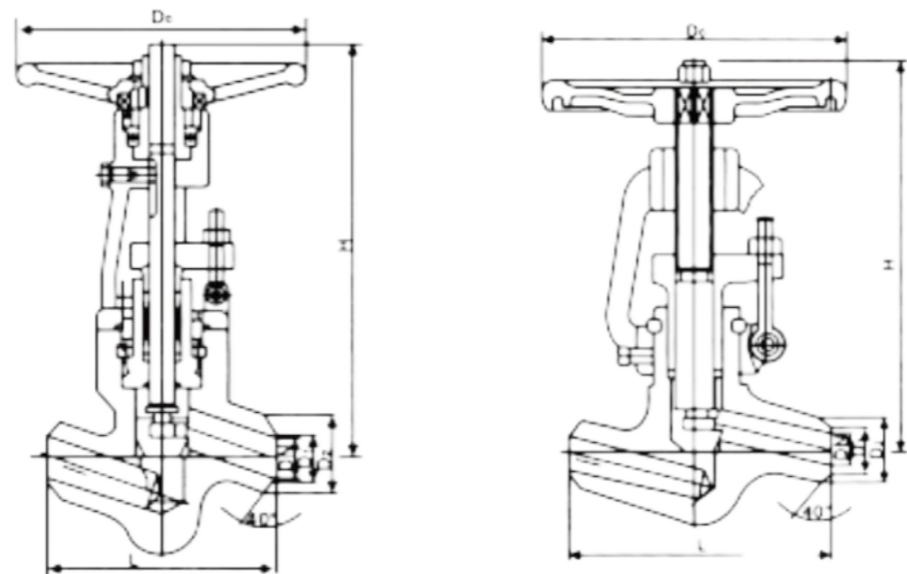
**Product specification**

Product specification	Design		Face to Face	Flange Ends	Test & Check	Pressure-Temp.	Marking
	JB/T 3539		JB/T 3539	GB/T 12224	JB/T 3539	GB/T 12224	GB/T 12220

**Main parts material**

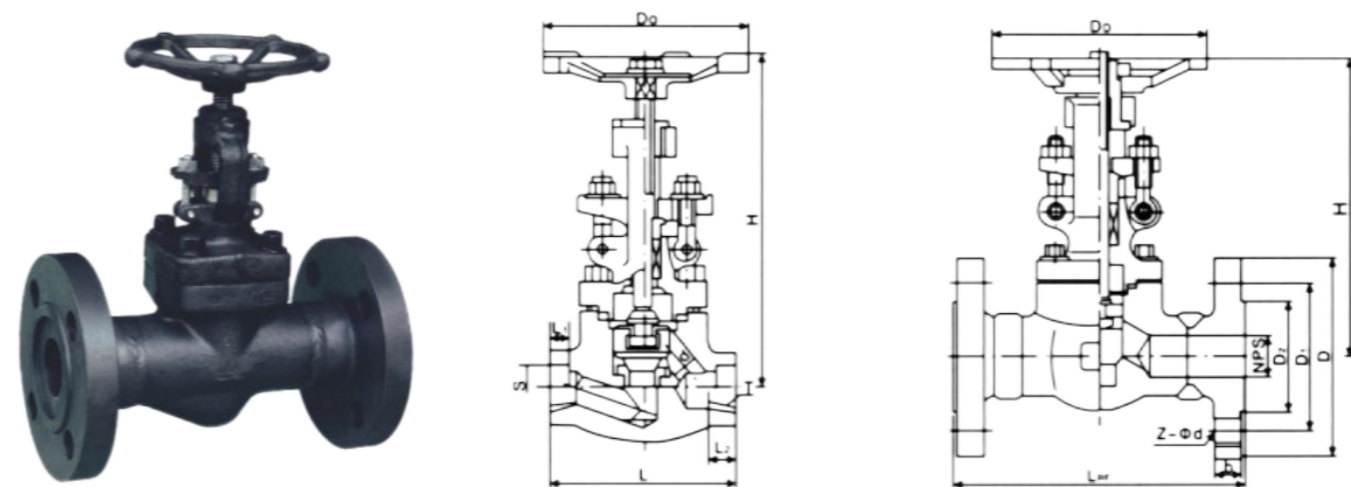
Parts name	Parts material		
	WCB	WC6	WC9
Body	WCB	WC6	WC9
Bonnet	25	120Cr1Mo1VA	120Cr1Mo1VA
Disc	25	20Cr1Mo1VA	20Cr1Mo1VA
Stem	1Cr17Ni2	20Cr1Mo1VA	20Cr1Mo1VA
Seat	25	12Cr1Mo1VA	12Cr1Mo1VA
Sealing ring	S mild steel	S mild steel	S mild steel
Packing	Enhanced flexible graphite	Enhanced flexible graphite	Enhanced flexible graphite
Gasket	S mild steel	S mild steel	F mild steel
Suitable temperature	-29~425°C	-29~425°C	-29~425°C
Suitable media	Water, oil, steam	Oil, steam	Oil, steam

# POWER STATION GLOBE VALVE

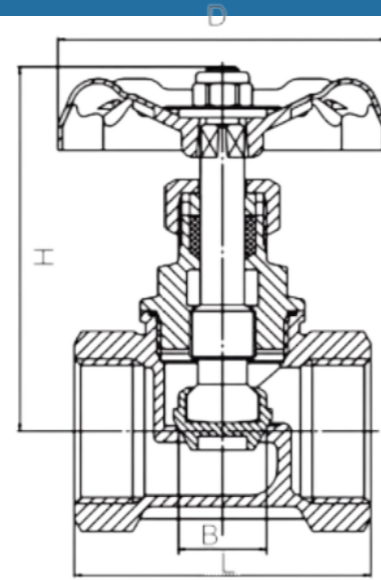


Model	DN mm	L	D1	D2	H	Weight Kg
J61H-200 J61Y-200	20	170	22	42	480	38
	25	170	27	42	520	41
	32	200	34	52	728	58
	50	350	53	76	728	89
	80	500	86	108	798	135
	100	600	107	161	890	190
J61H-250 J61Y-250	20	150	25	40	576	47
	25	170	27	42	585	49
	32	180	32	55	606	52
	50	250	50	83	722	73
	80	470	80	105	895	225
	100	600	100	142	1179	296
J61Y-P <sub>54</sub> -100V J61Y-P <sub>54</sub> -100V	20	170	22	42	480	38
	25	170	27	42	520	41
	32	200	34	52	728	58
	50	350	53	76	728	89
	80	500	86	108	798	135
	100	600	107	161	890	190
J61Y-P <sub>54</sub> -170V J61Y-P <sub>54</sub> -195V	20	150	25	40	576	47
	25	170	27	42	585	49
	32	180	32	55	606	52
	50	250	50	83	722	73
	80	470	80	105	895	225
	100	600	100	142	1179	296

# FORGED GLOBE VALVE



Model	DN mm	L	d	S	L1	T	L2	H	D0	Weight Kg
J41H-16 J41H-25 J41H-40 J11H-16 J11H-25 J11H-40 J61H-16 J61H-25 J61H-40	15	90	13	22.5	10	1/2"	15	159	98	6.9
	20	100	18	28.5	11	3/4"	17	190	112	9.8
	25	120	23	34.5	12	1"	19	208	126	13.5
	32	140	29	43	14	1-1/4"	21	216	166	19.5
	40	170	36	49	15	1-1/2"	21	247	188	28.5
	50	210	46	61	16	2"	25	290	220	30.3
J41H-64 J11H-64 J61H-64	15	90	13	22.5	10	1/2"	15	159	98	6.9
	20	100	18	28.5	11	3/4"	17	190	112	9.8
	25	120	23	34.5	12	1"	19	208	126	13.5
	32	140	29	43	14	1-1/4"	21	216	166	19.5
	40	170	36	49	15	1-1/2"	21	247	188	28.5
J41Y-100 J11Y-100 J61Y-100	15	90	13	22.5	10	1/2"	15	159	98	7.8
	20	100	18	28.5	11	3/4"	17	190	112	12.5
	25	120	23	34.5	12	1"	19	208	126	17.5
	32	140	29	43	14	1-1/4"	21	216	166	23.5
	40	170	36	49	15	1-1/2"	21	258	188	38.5
J41Y-160 J11Y-160 J61Y-160	15	90	13	22.5	10	1/2"	15	159	98	8
	20	100	18	28.5	11	3/4"	17	190	112	13.8
	25	120	23	34.5	12	1"	19	208	126	18.5
	32	140	29	43	14	1-1/4"	21	216	166	25.5
	40	170	36	49	15	1-1/2"	21	258	188	41.6
50	210	46	61	16	2"	25	405	220	49	



### Main features

1. The globe valve is made of copper and adopts red punching hot forging process. The globe valve below DN25 adopts two-stage sealing.
2. During the opening and closing process of the globe valve, the friction between the valve disc and the sealing surface of the valve body is smaller than that of the gate valve, so it is wear-resistant.
3. The opening height is generally only 1/4 of the valve seat channel diameter, usually there is only one sealing surface, the manufacturing process is good, and it is easy to maintain.

### Technical specifications

Nominal pressure: 1.6MPa  
 Working medium: water, non-corrosive liquid  
 Working temperature: 0~120°C  
 Pipe thread: ISO 228 standard

DN mm	Size	L	B	H	D
8	1/4	40	10.5	58	45
10	3/8	40	10.5	58	45
15	1/2	46	12	60	60
20	3/4	54	16	67.5	60
25	1	67	20	75	70
32	1-1/4	77	27	89.5	80
40	1-1/2	83	34	100	80
50	2	104	43	118	105
65	2-1/2	170.5	65	197	179
80	3	245	80	277	199.5
100	4	270.5	100	316	218

### Precautions for storage, installation and use

1. When the valve is stored for a long time, it should be placed in a dry and ventilated room. The flange diameter of the valve side must be blocked with a cover, and anti-rust oil should be applied to the processed surface regularly.
2. Before installation, check whether the valve logo is consistent with the use requirements, carefully check whether all parts are intact, and check whether all fasteners are loose.
3. Before installation, the valve and pipeline should be cleaned to prevent debris from entering the valve channel.
4. When in use, lubricating oil should be added to the valve stem nut and transmission parts regularly every month.
5. For valves with pressure relief devices, when the pressure in the middle cavity of the valve body increases, the pressure can be relieved through the pressure relief device on the valve body or the valve cover to ensure that the valve is in a safe working state.
6. For valves with sewage discharge devices, the screw plug can be removed and the sewage discharge valve can be assembled if sewage needs to be discharged.
7. It is strictly forbidden to repair the valve under pressure or knock on any part of the valve.

### Common faults and solutions

Fault phenomenon	Reasons	Solutions
Leakage at the top of the stuffing box	<ol style="list-style-type: none"> <li>1. Too little packing</li> <li>2. The packing gland is loose</li> <li>3. The O-ring is damaged</li> </ol>	<ol style="list-style-type: none"> <li>1. Add packing</li> <li>2. Tighten the gland bolts</li> <li>3. Replace the O-ring</li> </ol>
Leakage at the middle flange seal	<ol style="list-style-type: none"> <li>1. The connecting bolt is loose</li> <li>2. The sealing ring or gasket is damaged</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten the bolts</li> <li>2. Replace the sealing ring or gasket</li> </ol>
Leakage at the sealing joint	<ol style="list-style-type: none"> <li>1. The seal pair is damaged</li> <li>2. There are debris</li> <li>3. The sealing grease is not enough</li> </ol>	<ol style="list-style-type: none"> <li>1. Repair the sealing pair</li> <li>2. Remove the debris</li> <li>3. Add sealing grease</li> </ol>
Leakage at each joint	<ol style="list-style-type: none"> <li>1. The joint is loose.</li> <li>2. The gasket is damaged</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten the joint</li> <li>2. Replace the gasket</li> </ol>