



FAGONG VALVE



ZHEJIANG FAGONG VALVE CO.,LTD.

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ZHEJIANG FAGONG VALVE CO.,LTD.



Company Profile



Zhejiang Fagong Valve Co., Ltd. is located in the "hometown of pump and valve in China" Coubel Town, Wenzhou. We are a professional manufacturer. Our products are high-middle pressure valves, gate valves, globe valves, check valves, ball valves, butterfly valves, etc. The standards are Chinese standard (GB), ANSI, API, DIN and so on. Our products have been widely used in petrochemical, petroleum, oil refinery, natural gas, electric power, metallurgy, etc. to have forty branch offices, we design kinds of system project valves and participate in valve system resolution. Gain the user's favorable reception.

FAGONG VALVE

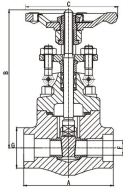
Model of valve

Valve Type Contains Seven Units As Follow:



Valve Type Symbol	Constructure Pattern Symbol	Sealing Face Material Symbol
Z Gate Valve	闸阀 Gate Valve	H Alloy Steel
J Globe Valve	0 Wedge Flexible Disc	Y Carbide Alloy
L Throttle Valve	1 Wedge Single Disc	F Fluoroplastic
H Check Valve	2 Double Wedge	N Nylon
Q Ball Valve	4 Parallel Double Disc	T Copper Alloy
D Butterfly Valve	Globe Throttle Valve	P Boronization Steel
X Plug Valve	1 Through Way Type	W Body Material
Note: The low temperature valve adds D in front of the code number	4 Angle Type	Nominal Pressure Symbol
	5 Oblique Type	GB: 0.1MPa
	Check Valve	ANSI: Lb, JIS: K
Actuator Symbol	1 Lift Through Way Type	Body Materials Symbol
3 Wormgear/Worm	2 Lift through Way Type	Copper Alloy T
4 Gear Wheel	4 Swing Single Disc	WC8 (>2.5MPa Abbreviation)
5 Umbrella Gear	6 Swing Double Disc	WC1 C1
6 Pneumatic	Ball Valve	WC6 C6
9 Electric	1 Through Way Type Float Ball	WC8 C8
Manual abbreviation	7 Through Way Type Fixed Ball	WC9 C9
Connection Tpe Symbol	Betterfly Valve	Cr18Ni9Ti P
1 Inside Screw	1 Center line-type	1Cr18Ni12Mo2Ti R
2 Outside Screw	2 Single-eccentric	L Low temperature valve
4 Flange	3 Bi-eccentric	CF8(304) CF3(304L)
6 Welding	Plug Valve	CF8M(316) CF3M(316L)
7 Water	3 Through Way Type	Please Remark The Material
	4 T-pattern Tee	
	5 Four-way Type	

FAGONG VALVE 2011



Design construction:
API 602-B5 5352-NF M87 412
Testing according to API 598-B5 6755
Marking MSS Sp25

Outside Screw and Yoke (OS&Y)
Self-aligning packing gland in two parts
Spiral-wound gasket retained type
Integral backseat

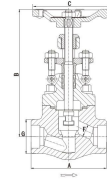
Socket weld Ends to ANSI B16.11
Screwed Ends (NPT) to ANSI B 1.20.1
Butt Welding Ends to ANSI B.16.25

Ratings:
-carbon steel class 800 1875 psig @ 100° F
138 bar-38°C
-carbon steel class 1500 3705 psig @ 100° F
258 bar-38°C

For materials and rating pressure see technical data

CLASS 800													FULL BORE												
REDUCED BORE						FULL BORE							REDUCED BORE						FULL BORE						
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"								SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"			
A	79	79	79	92	111	120	120	140	160	160	160	160	A	79	79	79	92	111	120	120	140	160	160	160	160
B (OPEN)	149	149	153	153	185	222	240	279	333	333	333	333	B (OPEN)	154	154	158	158	185	222	240	279	333	333	333	333
C	100	100	100	100	120	160	160	180	200	200	200	200	C	100	100	100	100	120	160	160	180	200	200	200	200
F	8	10	13	13	18	29	29	36.5	48	48	48	48	F	8	10	13	13	18	29	29	36.5	48	48	48	48
G	34	34	34	34	40	49	58	64	78	78	78	78	G	34	34	34	34	40	49	58	64	78	78	78	78
WEIGHT(kg)	1.9	1.9	2.0	2.2	3.6	5.5	6.2	9.7	15.2	15.2	15.2	15.2	WEIGHT(kg)	3.3	3.8	5.8	6.7	10.3	15.2	15.2	15.2	15.2	15.2	15.2	15.2

CLASS 1500													FULL BORE												
REDUCED BORE						FULL BORE							REDUCED BORE						FULL BORE						
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"								SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"			
A	79	79	92	92	111	120	120	140	160	160	160	160	A	79	92	92	111	120	120	140	160	160	160	160	160
B (OPEN)	175	178	181	181	218	237	274	319	345	345	345	345	B (OPEN)	175	178	181	181	218	237	274	319	345	345	345	345
C	100	100	100	100	125	160	160	180	200	200	200	200	C	100	125	125	125	160	160	180	200	200	200	200	200
F	8	13	13	13	18	24	29	36.8	48	48	48	48	F	8	13	13	13	18	24	29	36.8	48	48	48	48
G	34	40	42	49	58	64	78	88	88	88	88	88	G	34	42	42	49	58	64	78	88	88	88	88	88
WEIGHT(kg)	3.0	3.2	3.5	4.0	6.0	7.0	10.8	15.5	16.5	16.5	16.5	16.5	WEIGHT(kg)	4.3	6.3	7.3	11.2	15.9	16.5	16.5	16.5	16.5	16.5	16.5	16.5



Design construction:
BS 5352-NF M87 412
Testing according to API 598-B5 6755
Marking MSS Sp25

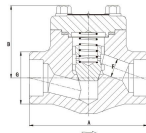
Outside Screw and Yoke (OS&Y)
Self-aligning packing gland in two parts
Spiral-wound gasket retained type
Integral backseat
Cose solid disc

Socket weld Ends to ANSI B16.11
Screwed Ends (NPT) to ANSI B 1.20.1
Butt Welding Ends to ANSI B.16.2

For materials and rating pressure see technical data

CLASS 800													FULL BORE												
REDUCED BORE						FULL BORE							REDUCED BORE						FULL BORE						
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"								SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"			
A	79	79	79	92	111	120	152	172	200	200	200	200	A	79	79	79	92	111	120	152	172	200	200	200	200
B (OPEN)	154	154	158	158	185	227	240	279	339	339	339	339	B (OPEN)	154	154	158	158	185	227	240	279	339	339	339	339
C	100	100	100	100	100	100	100	160	180	180	180	180	C	100	100	100	100	100	100	160	180	180	180	180	180
F	6.5	10	10	10	13	13	23	28.5	35	35	35	35	F	6.5	10	10	10	13	13	23	28.5	35	35	35	35
G	34	34	34	34	40	40	58	64	78	78	78	78	G	34	34	34	34	40	40	58	64	78	78	78	78
WEIGHT(kg)	2.1	2.1	2.0	2.2	3.8	5.5	7.1	11.5	15.2	15.2	15.2	15.2	WEIGHT(kg)	2.2	3.8	5.5	7.0	11.5	12.0	15.2	15.2	15.2	15.2	15.2	15.2

CLASS 1500													FULL BORE												
REDUCED BORE						FULL BORE							REDUCED BORE						FULL BORE						
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"								SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"			
A	79	92	92	111	120	152	172	220	220	220	220	220	A	79	92	92	111	120	152	172	220	220	220	220	220
B (OPEN)	175	178	181	181	218	237	274	319	345	345	345	345	B (OPEN)	175	178	181	181	218	237	274	319	345	345	345	345
C	100	125	125	125	160	160	180	200	200	200	200	200	C	100	125	125	125	160	160	180	200	200	200	200	200
F	6.5	10	10	10	13	17.5	23	28.5	35	35	35	35	F	6.5	10	10	10	13	17.5	23	28.5	35	35	35	35
G	34	42	42	49	58	64	78	88	88	88	88	88	G	34	42	42	49	58	64	78	88	88	88	88	88
WEIGHT(kg)	3.0	3.5	3.5	4.0	6.3	8.0	12.5	19.5	20.0	20.0	20.0	20.0	WEIGHT(kg)	4.0	6.3	8.0	12.5	19.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0



Design construction:
BS 5352-NF M87 412
Testing according to API 598-B5 6755
Marking MSS Sp25

Spring only on request
Spiral-wound gasket retained type

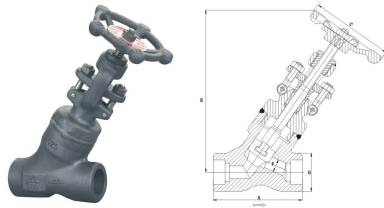
Ratings:
-carbon steel class 800 1875 psig @ 100° F
138 bar-38°C
-carbon steel class 1500 3705 psig @ 100° F
258 bar-38°C

Socket weld Ends to ANSI B16.11
Screwed Ends (NPT) to ANSI B 1.20.1
Butt Welding Ends to ANSI B.16.25

For materials and rating pressure see technical data

CLASS 800													FULL BORE												
REDUCED BORE						FULL BORE							REDUCED BORE						FULL BORE						
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"								SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"			
A	79	79	79	92	111	120	152	172	200	200	200	200	A	79	79	79	92	111	120	152	172	200	200	200	200
B	54.5	54.5	54.5	54.5	72	81	94	112	132	132	132	132	B	54.5	54.5	54.5	72	81	94	112	132	132	132	132	132
F	6.5	10	10	10	13	17.5	23	28.5	35	35	35	35	F	6.5	10	10	10	13	17.5	23	28.5	35	35	35	35
G	34	34	34	34	40	49	58	64	78	78	78	78	G	34	34	34	34	40	49	58	64	78	78	78	78
WEIGHT(kg)	1.5	1.5	1.4	1.9	2.6	4.2	5.3	9.0	15.6	15.6	15.6	15.6	WEIGHT(kg)	1.9	2.6	4.2	5.3	9.0	15.6	15.6	15.6	15.6	15.6	15.6	15.6

CLASS 1500																									
REDUCED BORE									FULL BORE																
SIZE	1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"	SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"										
A	79	79	92	111	120	152	172	220	A	111	120	152	172	220	220										
B	73	73	73	73	84	97	115	132	B	73	84	97	115	132	132										
F	6.5	10	10	13	17.5	23	28.5	35	F	13	17.5	23	28.5	35	35										
G	34	34	42	49	58	64	78	88	G	40	58	64	78	88	88										
WEIGHT(LBS)	2.2	2.2	2.4	2.9	4.6	6.5	10.5	15.5	WEIGHT(LBS)	2.9	4.6	6.5	10.5	15.5	17.0										



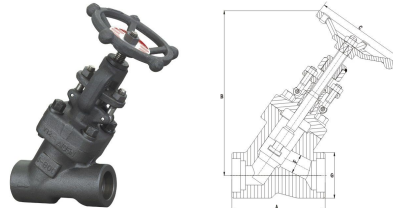
Design convention:
BS 5352- ANSI B 16.34
Testing according to API 598- BS 6755
Marking MSS SP25

Outside Screw and Yoke (OS&Y)
Self-aligning packing gland in two parts
Integral locknut
Body bonnet weld to ASME IX
Lower solid disc

Rating:
- carbon steel class 800 1975 psi @ 100°F
138 bar + 38°C

Socket weld Ends to ANSI B 16.11
Screwed Ends (NPT) to ANSI B 1.20.1
Butt Welding Ends to ANSI B. 16.25
For materials and rating pressure see technical data

CLASS 800						
REDUCED BORE						
SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	98	98	120	140	140	170
B(OPEN)	170	170	195	225	235	278
C	100	100	120	160	160	180
F	10	13	17.5	23	28.5	35
G	34	40	49	58	64	78
WEIGHT(kg)	4	3.6	6.6	8.5	11.3	12.5



Design convention:
BS 5352- ANSI B 16.34
Testing according to API 598- BS 6755
Marking MSS SP25

Outside Screw and Yoke (OS&Y)
Self-aligning packing gland in two parts
Integral locknut
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Rating:
- carbon steel class 800 1975 psi @ 100°F
138 bar + 38°C

Socket weld Ends to ANSI B 16.11
Screwed Ends (NPT) to ANSI B 1.20.1
Butt Welding Ends to ANSI B. 16.25
For materials and rating pressure see technical data

CLASS 800						
REDUCED BORE						
SIZE	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
A	98	98	120	140	140	170
B(OPEN)	240	240	290	302	368	368
C	100	100	120	160	160	180
F	10	13	17.5	23	28.5	35
G	34	40	49	58	64	78
WEIGHT(kg)	5.9	4.6	7.6	9.8	13.7	14.0

■ Material Quality and Type of Drive Code Number

Product model	Z40, Z41 Add-on "Y, H, W" (Expresses the packing surface material quality)
ANSI pressure	150, 300, 600, 900, 1500, 2500Lb (C, L, V, P, R expresses the valve body material quality)
Type of drive	"Z" inserts "A" after the model the demonstration: Z440-150Lb(Expresses spur gear transmission)
	"Z" inserts "S" after the model the demonstration: Z540-150Lb(Expresses spur gear transmission)
	"Z" inserts "R" after the model the demonstration: Z940-150Lb(Expresses spur gear transmission)

■ Usage&Features

Gate valve is one shut-off valve for normal usage, which is mainly applicable to disconnect and shut off the medium in the pipeline with main advantage of low flow resistance, easy open and closing, and non-limitation to flow direction. The series of the valves are as below:

- The body is round which makes it average loaded force, low deformation, convenient machining and good performance.
- For flexible wedge, it is applicable to body deformation under any working condition. And the wedge sealing width assures some wearing clearance and usage duration.
- The seat is welded to the body by different sealing material according to the working condition and the customer's different requirements which assure the sealing reliability.
- Stem nut is the design of top entry to avoid the accident effectively and assure usage safety. For different pressure rating and specification, it follows rolling bearing and reduces operation torque between stem nut and yoke.
- Widely used as the device of open or close to connect or cut off the medium inside of the pipeline of water, steam or oil goods in steam power plants.

■ Administer Standard

Design And Manufacture	Face to face	Flange Dimension	Butt welding dimension	Pressure Temperature Rating	Inspection And Test
API600	ANSI B16.10	ANSI B16.5	ANSI B16.25	ANSI B16.34	API 598
API6D	API 6D	ANSI B16.5	ANSI B16.25	ANSI B16.34	API 6D

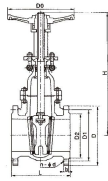


■ Pressure Test

Nominal Pressure	Shell Test		Water Seal Test		Air Seal Test	
	Mpa	Lbf/in ²	Mpa	Lbf/in ²	Mpa	Lbf/in ²
150	3.0	430	2.2	315	0.4-0.7	60-100
300	7.7	1110	5.7	815		
600	15.3	2220	11.3	630		
900	23.0	3330	17.0	2445		
1500	38.4	5560	28.2	4080		
2500	64.0	9255	47.0	6790		

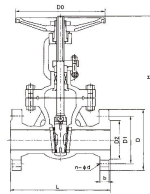
■ Main Part Materials and Property

Body Cover Disc	Stem	Sealing Face	Sealing Shim	Packing	Working Temperature	Suitable Medium		
WCB	2C13	13Cr STL With Body Material	13Cr Enhanced Flexible Graphite	Flexible Graphite Enhanced Flexible Graphite SFB260 PTFE	≤425	Water Steam Petroleum Products		
WC1	38CrMoA1 25Cr2MoV		10Cr13/Flexible Graphite SFB-260 68 08Soft Shell F304 F316 F304L F316L		≤450			
WC6					≤540			
WC9					≤570			
C5 C12					≤540	Nitric acid Acetic acid Urea		
CF8	F304				≤200			
CF8M	F316							
CF3	F304L							
CF3M	F316L							



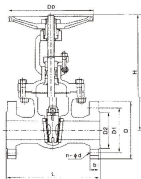
Main Dimensions Size

Nominal Pressure	Nominal Diameter		(Mm) Dimensions									
	In	mm	L	D	D1	D2	b	n-φd	H	D0		
Z40, Z41 150Lb RF	1/2	15	108	80	60.5	35	11.2	4-φ16	169	100		
	3/4	20	117	98	69.9	43	12.7	4-φ16	192	100		
	1	25	127	108	79.2	51	14.2	4-φ16	230	120		
	1 1/4	32	140	117	89.0	63	16.0	4-φ16	246	120		
	1 1/2	40	165	127	98.6	73	17.5	4-φ16	283	150		
	2	50	178	152	120.7	92	19.0	4-φ19	323	150		
	2 1/2	65	190	187	139.7	105	22.4	4-φ19	347	180		
	3	80	203	190	152.4	127	24.0	4-φ19	383	200		
	4	100	229	229	190.5	157	24.0	4-φ19	457	200		
	5	125	254	254	216.0	186	24.0	8-φ22.5	632	250		
	6	150	287	279	241.3	216	25.4	8-φ22.5	635	250		
	8	200	292	343	298.5	270	28.4	8-φ22.5	762	280		
	10	250	330	406	362.0	324	30.2	12-φ25.4	892	300		
	12	300	356	483	431.8	381	32.0	12-φ25.4	1080	350		
	14	350	381	533	476.3	413	35.0	12-φ26	1295	350		
	16	400	406	597	539.8	470	36.5	16-φ29	1435	400		
	18	450	432	635	577.9	533	39.6	16-φ32	1626	400		
	20	500	457	699	635.0	584	43.0	20-φ32	1829	450		
	24	600	508	813	749.0	692	48.8	20-φ35	2175	500		
	26	650	559	786	744.5	711	51.1	36-φ22.5	2235	550		
	28	700	610	837	785.3	762	44.5	40-φ22.5	2310	600		
	30	750	610	889	846	813	44.5	44-φ22.5	2695	600		
	32	800	660	941	900	864	46.0	48-φ22.5	3708	-		
	36	900	711	1057	1009.7	972	52.3	40-φ25.4	3924	-		
	40	1000	812	1175	1120.6	1080	55.6	44-φ25.4	4318	-		



Main Dimensions Size

Nominal Pressure	Nominal Diameter		(Mm) Dimensions									
	In	mm	L	D	D1	D2	b	n-φd	H	D0		
Z40, Z41 300Lb RF	1/2	15	140	95	66.5	35	14.2	4-φ16	169	120		
	3/4	20	152	117	82.5	43	16.0	4-φ19	193	150		
	1	25	165	123	89.0	51	17.5	4-φ19	230	150		
	1 1/4	32	178	133	98.5	63	19.0	4-φ19	246	160		
	1 1/2	40	190	155	114.3	76	20.6	4-φ22.5	283	180		
	2	50	216	165	127.0	92	22.4	8-φ19	330	200		
	2 1/2	65	241	190	149.4	105	25.4	8-φ22.5	368	240		
	3	80	283	210	168.1	127	28.4	8-φ22.5	394	280		
	4	100	305	254	200.2	157	31.8	8-φ22.5	473	300		
	5	125	381	279	235.0	186	35.0	8-φ22.5	660	300		
	6	150	403	318	263.7	216	36.6	12-φ22.5	711	400		
	8	200	419	381	330.2	270	41.2	12-φ25.4	813	400		
	10	250	457	444	387.4	324	47.8	16-φ28.5	1003	450		
	12	300	502	521	450.8	381	50.8	16-φ32	1137	500		
	14	350	762	584	514.4	413	54.0	20-φ32	1489	600		
	16	400	838	648	571.5	470	57.2	20-φ35	1580	650		
	18	450	914	711	628.7	533	60.5	24-φ35	2017	700		
	20	500	991	775	685.8	584	63.5	24-φ35	2228	700		
	24	600	1143	914	812.8	692	70.0	24-φ41	2650	750		
	26	650	1245	867	803.1	736.6	90.0	32-φ35	3219	-		
	28	700	1346	921	857.3	787.4	90.0	36-φ35	3378	-		
	30	750	1397	991	902.8	844.6	93.7	36-φ38	3530	-		

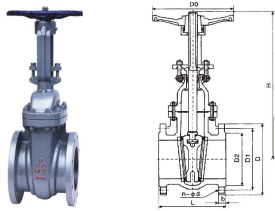


Main Dimensions Size

Nominal Pressure	Nominal Diameter		(Mm) Dimensions									
	In	mm	L	D	D1	D2	b	n-φd	H	D0		
Z40, Z41 600Lb RF	1/2	15	165	95	66.5	35	14.5	4-φ16	169	160		
	3/4	20	190	117	82.5	43	16	4-φ19	193	160		
	1	25	216	124	89.0	51	17.5	4-φ19	230	200		
	1 1/4	32	229	133	98.5	63	21	4-φ19	246	200		
	1 1/2	40	241	156	114.3	76	22.5	4-φ22.5	283	240		
	2	50	292	165	127.0	92	33	8-φ19	425	280		
	2 1/2	65	330	190	149.4	105	36	8-φ22.5	485	320		
	3	80	356	210	168.1	127	39	8-φ22.5	510	350		
	4	100	432	273	216.0	157	45	8-φ25.4	610	400		
	5	125	508	330	266.0	186	52	8-φ28.5	770	450		
	6	150	559	356	282.1	216	55	12-φ28.5	820	500		
	8	200	660	419	349.3	270	63	12-φ32	920	600		
	10	250	787	508	431.8	324	71	16-φ35	1080	650		
	12	300	838	559	489.0	381	74	20-φ35	1220	650		
	14	350	889	603	527.0	413	77	20-φ38	1473	700		
	16	400	991	666	603.3	470	84	20-φ41	1651	800		
	18	450	1092	743	654.0	533	90	20-φ44.5	1727	800		
	20	500	1194	813	723.9	584	96	24-φ44.5	2019	800		
	24	600	1397	940	838.2	692	109	24-φ51	2155	-		

Main Dimensions Size

Nominal Pressure	Nominal Diameter		(Mm) Dimensions									
	In	mm	L	D	D1	D2	b	n-φd	H	D0		
Z40, Z41 900Lb RFJ	2	50	371	216	165.0	95.3	46.0	8-φ25.4	521	280		
	2 1/2	65	422	244	190.5	108.0	49.0	8-φ25.4	584	300		
	3	80	384	241	190.5	123.8	46.0	8-φ25.4	648	300		
	4	100	460	292	235.0	149.2	52.4	8-φ32	750	350		
	5	125	562	349	279.4	181.0	58.7	8-φ35	780	400		
	6	150	613	381	317.5	211.1	63.6	12-φ32	800	500		
	8	200	740	470	393.7	269.9	71.4	12-φ38	940	600		
	10	250	841	546	469.9	323.9	77.6	16-φ38	1130	600		
	12	300	968	610	533.4	381.0	87.2	20-φ38	1340	650		
	14	350	1038	641	558.8	419.1	97.0	20-φ41	1543	700		
	2	50	371	216	165.1	95.3	46.0	8-φ25.4	614	280		
	2 1/2	65	422	244	190.5	108.0	49.0	8-φ28.5	705	300		
Z40, Z41 1500Lb RFJ	3	80	473	267	203.2	136.5	55.7	8-φ32	705	350		
	4	100	549	311	241.3	161.9	61.8	8-φ35	927	400		
	5	125	676	375	292.1	193.7	81.0	8-φ41	1120	500		
	6	150	711	394	317.5	211.1	92.0	12-φ38	1191	500		
	8	200	841.5	483	393.7	269.9	103.0	12-φ44.5	1524	600		
	10	250	1000	584	482.6	323.9	119.1	12-φ51	1854	700		
	12	300	1146	673	571.5	381.0	138.2	16-φ54	2184	700		
	14	350	1276	749	635.0	419.1	149.2	16-φ60.5	2216	800		
	2	50	545	235	171.5	101.6	58.7	8-φ28.5	523	350		
	2 1/2	65	514	267	196.9	111.1	66.7	8-φ32	631	350		
	3	80	584	305	228.0	127.0	76.1	8-φ35	735	400		
	4	100	683	356	273.0	157.2	87.3	8-φ41	891	500		
Z40, Z41 2500Lb RFJ	5	125	807	419	323.9	190.5	104.6	8-φ47.8	1047	650		
	6	150	927	483	368.3	228.6	120.7	8-φ54	1144	700		
	8	200	1038	552	438.2	279.4	141.3	12-φ54	1392	700		
	10	250	1292	673	593.8	342.9	182.6	12-φ66.5	1614	800		



■ Administer Standard

Item	Design And Manufacture	Face to face	Flange Dimension	Pressure Temperature Rating	Inspection And Test
Standard	JIS B2073 JIS B2083	JIS B2002	JIS B2212 JIS B2214	JIS B2073 JIS B2083	JIS B2003 JIS B2008

■ Pressure Test

Nominal Pressure	Shell Test	Water Seal Test	Air Seal Test
	Mpa	MPa	Mpa
10K	2.4	1.5	0.6
20K	5.8	4.0	

■ Chief property and specification

Body material	SCPH2	SCPH21 SCPH32	SCPL1	SCS13 SCS13A	SCS14 SCS14A	SCS19 SCS19A	SCS16 SCS16A
Working Temperature	≤524	≤540	-45~150	≤200	≤200	≤200	≤200
Suitable Medium	Water, Steam, Oil	Water, Steam, Oil	Ammonia, Liquid ammonia etc. corrosive medium	Craftwork medium of gas, weak acid etc	Nitric acid, Urea etc. Corrosive medium	Acid, alkali corrosive medium	Urine, methylamine liquid etc

■ Main Dimensions Size

Nominal Pressure	Nominal Diameter	(Mm) Dimensions								
		In	mm	L	D	D1	D2	B	Z-φd	H(Open)
240, 241, 242 1/2 10K	1 1/2	40	165	140	105	85	16	4-φ19	315	180
	2	50	178	155	120	100	16	4-φ19	387	200
	2 1/2	65	190	175	140	120	18	4-φ19	435	200
	3	80	203	185	150	130	18	8-φ19	481	250
	4	100	229	210	175	155	18	8-φ19	585	250
	5	125	254	250	210	185	20	8-φ23	686	300
	6	150	267	280	240	215	22	8-φ23	766	300
	8	200	292	330	290	265	22	12-φ23	957	350
	10	250	330	400	355	325	24	12-φ25	1149	400
	12	300	358	445	400	370	24	16-φ25	1351	450
	14	350	381	490	445	415	26	16-φ25	1508	500
	16	400	406	560	510	475	28	16-φ27	1703	550
	18	450	432	620	565	530	30	20-φ27	1892	600
	20	500	457	675	620	580	30	20-φ27	2114	680
	24	600	508	765	730	690	32	24-φ33	2500	760
240, 241, 242 1/2 20K	2	50	216	155	120	100	18	8-φ19	410	200
	2 1/2	65	241	175	140	120	20	8-φ19	453	200
	3	80	283	200	160	135	22	8-φ23	509	250
	4	100	305	225	185	160	24	8-φ23	612	250
	5	125	381	270	225	195	26	8-φ25	708	300
	6	150	403	305	260	230	28	12-φ25	805	350
	8	200	419	350	305	275	30	12-φ25	1000	400
	10	250	457	430	380	345	34	12-φ27	1209	450
	12	300	502	480	430	395	35	16-φ33	1416	500
	14	350	762	540	480	440	40	16-φ33	1650	600
	16	400	838	605	540	495	46	16-φ33	1840	600
	18	450	914	675	605	560	48	20-φ33	2030	680
	20	500	991	730	660	615	50	20-φ33	2240	760
	24	600	1143	845	770	720	54	24-φ39	2900	915

■ Material Quality and Type of Drive Code Number

Product model	Z60, Z61 Add-on "Y, H, W" (Expresses the packing surface material quality)
ANSI pressure	150, 300, 600, 900, 1500, 2500Lb (C, L, V, P, R expresses the valve body material quality)
Type of drive	"J" inserts "4" after the model the demonstration: J461-150Lb(Expresses spur gear transmission) "J" inserts "5" after the model the demonstration: Z561-150Lb(Expresses bevel drive) "J" inserts "9" after the model the demonstration: J961-150Lb(Expresses electrically operated transmission)

■ Usage&Features

- ANSI flange connection globe valve is suitable for ANSI Class 150-2500, the operating temperature -29~570°C petroleum, the chemical industry, the thermal power station and so on each kind of operating mode manages its On, shuts off or puts through the medium, is suitable the medium is Water, steam and so on. The operating mode include: Manual, gear drive, electrically operated and so on.
- May and the import equipment direct necessary use.
 - Channel smooth, the fluid resistance is small.
 - The valve seat and the valve seat packing surface uses the department too to set up (stellite) the cobalt base hard alloy built-up welding but to become, packing surface degree of hardness high, wear-resisting, thermostable, is anti-corrosive, the anti-abrasion The performance good, the service life is long.
 - The valve lever after the quenching and tempering and the surface nitriding, has the good corrosion resistivity anti-abrasion.
 - Valve cover packing box depth reasonable, the packing adds the corrosion inhibitor, the seal reliability, the switch is steady.
 - The valve has seals the structure, guaranteed the valve opens when the movement does not leak after the valve lever outside.

■ Administer Standard

Design And Manufacture	Face to face	Flange Dimension	Butt welding dimension	Pressure Temperature Rating	Inspection And Test
ANSI B6.34 BS1873	ANSI B16.10	ANSI B16.5	ANSI B16.25	ANSI B16.34	API 598

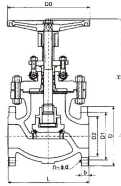


■ Pressure Test

PN(Lb) Nominal Pressure	Shell Test		Water Seal Test		Air Seal Test	
	Mpa	Lbf/in ²	Mpa	Lbf/in ²	Mpa	Lbf/in ²
150	3.0	430	2.2	315	0.4-0.7	60-100
300	7.7	1110	5.7	815		
600	15.3	2220	11.3	630		
900	23.0	3330	17.0	2445		
1500	38.4	5560	28.2	4080		
2500	64.0	9255	47.0	6790		

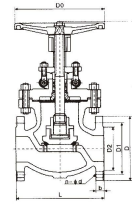
■ Main Part Materials and Property

Body Cover Disc	Stem	Sealing Face	Sealing Shim	Packing	Working Temperature	Suitable Medium			
WC6	2C13	13Cr STL With Body PTFF Nylon	Enhanced Flexible Graphite 1Cr13/Flexible Graphite SFB-2 GB 0850H Shell F304 F316 F304L F316L	Flexible Graphite Enhanced Flexible Graphite SFB/260 SFB/260 PTFE	≤425	Water Steam Petroleum Products			
WC1	38CrMoA1 25Cr2MoV				≤450				
WC6					≤540				
WC9					≤570				
CS C12							≤540	Nitric acid Acetic acid Urea	
CF8	F304				≤200				
CF8M	F316								
CF3	F304L								
CF3M	F316L								



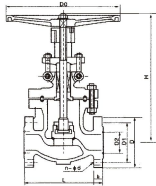
Main Dimensions Size

Nominal Pressure	Nominal Diameter		(Mm) Dimensions							
	In	mm	L	D	D1	D2	b	n-φd	H	D0
J41 W 150LB RF	1/2	15	108	89	60.5	35	10	4-φ16	241	100
	3/4	20	117	98	69.9	43	10.5	4-φ16	241	100
	1	25	127	108	79.2	51	11.5	4-φ16	242	125
	1 1/4	32	140	117	89.0	63	13	4-φ16	280	160
	1 1/2	40	165	127	98.6	73	14.5	4-φ16	286	160
	2	50	203	152	120.7	92	16	4-φ19	368	200
	2 1/2	65	216	178	139.7	105	18	4-φ19	387	250
	3	80	241	190	152.4	127	19.5	4-φ19	411	280
	4	100	292	229	190.5	157	24.0	8-φ19	454	300
	5	125	356	254	216.0	186	24.0	8-φ22.5	455	350
	6	150	406	279	241.3	216	25.4	8-φ22.5	541	350
	8	200	495	343	298.5	270	28.4	8-φ22.5	651	400
	10	250	622	406	362.0	324	30.2	12-φ25.4	800	450
	12	300	698	483	431.8	381	32.0	12-φ25.4	1231	600
	14	350	787	533	476.3	413	35.0	12-φ29	1450	600
	16	400	914	597	539.8	470	38.6	12-φ29	1645	600

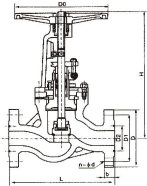


Main Dimensions Size

Nominal Pressure	Nominal Diameter		(Mm) Dimensions							
	In	mm	L	D	D1	D2	b	n-φd	H	D0
J41 W 300LB RF	1/2	15	152	95	66.5	35	14.2	4-φ16	241	140
	3/4	20	178	117	82.5	43	16.0	4-φ19	241	140
	1	25	203	133	89.0	51	17.5	4-φ19	283	160
	1 1/4	32	216	133	98.5	63	19.0	4-φ19	320	200
	1 1/2	40	229	155	114.3	73	20.6	4-φ22.5	322	200
	2	50	267	165	127.0	92	22.4	8-φ19	399	200
	2 1/2	65	292	190	149.4	105	25.4	8-φ22.5	438	250
	3	80	318	210	168.1	127	28.4	8-φ22.5	464	280
	4	100	356	254	200.2	157	31.8	8-φ22.5	565	350
	5	125	400	279	235.0	186	35.0	8-φ22.5	614	350
	6	150	444	318	269.7	216	36.6	12-φ22.5	717	400
	8	200	559	381	330.2	270	41.2	12-φ25.4	930	500
	10	250	622	444	387.4	324	47.8	16-φ28.5	1012	550
	12	300	711	521	450.8	381	50.8	16-φ32	1231	600
	14	350	838	584	541.4	413	54.0	20-φ32	1450	600
	16	400	864	648	571.5	470	57.2	20-φ35	1645	600



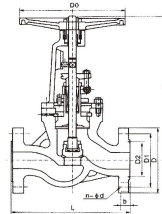
600LB



900LB

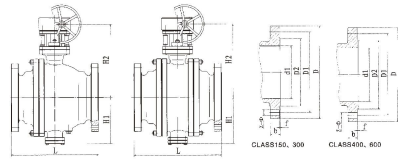
Main Dimensions Size

Nominal Pressure	Nominal Diameter		(Mm) Dimensions							
	In	mm	L	D	D1	D2	b	n-φd	H	D0
J41 W 600LB RF	1/2	15	165	95	66.5	35	14.5	4-φ16	285	160
	3/4	20	190	117	82.5	43	16	4-φ19	285	160
	1	25	216	124	89.9	51	17.5	4-φ19	313	200
	1 1/4	32	229	133	98.5	63	21	4-φ19	329	200
	1 1/2	40	241	156	114.3	73	22.5	4-φ22.5	365	250
	2	50	292	165	127.0	92	26	8-φ19	444	250
	2 1/2	65	330	190	149.4	105	29	8-φ22.5	483	280
	3	80	356	210	168.1	127	32	8-φ22.5	533	320
	4	100	422	273	216.0	157	38	8-φ25.4	620	400
	5	125	508	330	266.7	186	45	8-φ28.5	750	450
	6	150	559	356	292.1	211	48	12-φ28.5	800	500
	8	200	660	419	349.3	270	56	12-φ32	927	550
	10	250	787	508	431.8	324	64	16-φ35	1257	600
	12	300	838	559	489.0	381	67	20-φ35	1468	700
J41 W 900LB RF	2	50	371	216	165.1	95.3	39	8-φ25.4	569	320
	2 1/2	65	422	244	190.5	108	41.5	8-φ25.4	569	320
	3	80	384	241	190.5	123.8	46	8-φ25.4	604	350
	4	100	480	292	235.0	149.2	52	8-φ32	708	450
	5	125	562	349	279.4	181.0	58	8-φ35	748	550
	6	150	613	381	317.5	211.1	63	12-φ32	890	600
	8	200	740	470	383.7	269.9	71	12-φ38	1240	700
	10	250	841	546	470.0	323.9	71	16-φ38	1651	700



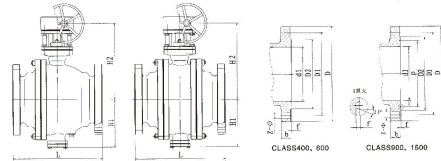
Main Dimensions Size

Nominal Pressure	Nominal Diameter		(Mm) Dimensions							
	In	mm	L	D	D1	D2	b	n-φd	H	D0
J41Y 1500LB RTJ	2 1/2	65	422	244	190.5	108.0	49.0	8-φ28.5	461	400
	3	80	473	267	203.2	136.5	55.7	8-φ32	554	450
	4	100	549	311	241.3	161.9	61.8	8-φ35	639	500
	5	125	676	375	292.1	193.7	81.1	8-φ41	780	500
	6	150	711	394	317.5	211.1	82.1	12-φ38	904	630
	8	200	841	483	393.7	269.9	103.0	12-φ44.5	1140	680
	2 1/2	65	514	267	196.9	111.1	66.7	8-φ32	492	400
J41Y 2500LB RTJ	3	80	584	305	228.6	127.0	76.0	8-φ35	559	450
	4	100	683	356	273.0	157.2	87.3	8-φ41	715	560
	5	125	806	419	323.9	190.5	104.6	8-φ48	830	630
	6	150	927	483	368.3	228.6	120.7	8-φ54	1070	630
	8	200	1038	552	438.2	279.4	141.3	12-φ54	1300	680



- 1, GB/T12237-1989; API608,
- 2, GB/T12237-1992; API608,
- 3, JB/T779.1-2-1994; ASME/ANSI B16.5,
- 4, GB/T12221-1989; ASME/ANSI B16.10,

(Class)	DN	ø1	L	D1	D2	D3	D4	F	I2	h	Z-ø4	H1	H2
150	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
	150	150	150	88	82.5	35	-	2	-	12	4-15	-	85
300	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
	300	300	300	188	182.5	75	-	2	-	18	4-15	-	185
400	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245
	400	400	400	248	242.5	100	-	2	-	24	4-15	-	245



- 1, GB/T12237-1989; API608,
- 2, GB/T12237-1992; API608,
- 3, JB/T779.1-2-1994; ASME/ANSI B16.5,
- 4, GB/T12221-1989; ASME/ANSI B16.10,

(Class)	DN	ø1	L	D1	D2	D3	D4	F	I2	h	Z-ø4	H1	H2
600	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
	600	600	600	248	242.5	100	-	2	-	24	4-15	-	245
900	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
	900	900	900	348	342.5	140	-	2	-	34	4-15	-	345
1500	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545
	1500	1500	1500	548	542.5	240	-	2	-	54	4-15	-	545

Material Quality and Type of Drive Code Number

Product model	Q41, Q47 And-on "F, Y, H" (Expresses the packing surface material quality)
ANSI pressure	150, 300, 600, 1500, 2500(LN), L, V, P, R Expresses the valve body material quality)
Type of drive	"Q" inserts "3" after the model the demonstration Q347-150L (Expresses gear transmission) "Q" inserts "B" after the model the demonstration Q347-150L (Expresses electrically operated transmission)

Usage&Features

1. Fluid resistance small, the ball valve is in the all valves class fluid resistance smallest one kind, even if is the reducing ball valve, its fluid resistance quite is also small.
2. Switch rapid, convenient, so long as the valve lever rotation 90 ° , the ball valve completed has all opened or the entire pass movement, was very easy to realize fast opens shuts.
3. The sealing property is good. The ball valve seat seal packing collar uses tetlon and so on elastic tenarally the material manufacture, is easy to guarantee the seal, moreover ball valve seal strength along with me dum pressure the strength increase but increases.
4. The valve lever seal is reliable. The ball valve opens shuts when the valve lever only to make the rotary motion, therefore the valve lever padding seal is not easily destroyed, moreover the valve lever seals but actually the seal strength along with less between The nature pressure increase but increases.
5. The ball valve opens shuts only makes 90 ° the rotation, therefore is easy to realize the automated control and the remote control, the ball valve may dispose the pneumatics, the electrically operated instalment, the fluid moves the instalment, the gas fluid linkage or battery solution linkage.
6. Ball valve channel smooth, is not easy to deposit the medium, may carry on the pipeline to pass the ball.

Administer Standard

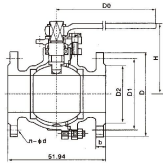
Ball Valve Type	Design And Manufacture	Face to Face	Flange Dimension	Pressure Temperature Listing	Inspection And Test
Float Ball Valve	API608	ANSI B16.10	ANSI B16.5	ANSI B 16.34	API598
Fixed Ball Valve	API6D	API 6D			API 6D

Pressure Test

Nominal Pressure	Shell Test		Water Seal Test		Air Seal Test	
	Mpa	Lb/in ²	Mpa	Lb/in ²	Mpa	Lb/in ²
150	3.0	430	2.2	315	0.4-0.7	60-100
300	7.7	1110	5.7	815		
600	15.3	2220	11.3	630		

Main Part Materials and Property

Body	WCB	CF8	CF8M	CF3	CF8M
Ball	2C13	304	316	304L	316L
Stem	2C13	304	316	304L	316L
Seat	PTFE Stainless Steel/PTFE PPL				
Gasket	PTFE Stainless Steel/Graphite SMSG				
Stem Seal	PTFE Stainless Steel/Graphite				
Packing	PTFE Enhanced Flexible Graphite				
Gland	WCB	304	316	304L	316L
Temperature	≤150				
Medium	Water, Oil, Steam, Nitric acid, Acetic acid				

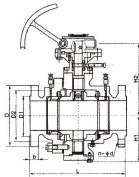


Main Dimensions Size

Nominal Pressure	Nominal diameter		(Mm) Dimensions							
	In	mm	L	D	D1	D2	b	n-φd	H	D0
Q41F 150Lb(PN) RF	1/2	15	108	89	60.5	35	10	4-φ16	59	130
	3/4	20	117	98	69.9	43	10.5	4-φ16	63	130
	1	25	127	108	79.2	51	11.5	4-φ16	75	160
	1 1/4	32	140	117	89.0	63	13	4-φ16	95	160
	1 1/2	40	165	127	98.6	73	14.5	4-φ16	107	160
	2	50	178	152	120.7	92	16	4-φ19	155	200
	2 1/2	65	190	178	139.7	105	18	4-φ19	164	200
	3	80	203	190	152.4	127	19.5	4-φ19	182	200
	4	100	229	229	190.5	157	24.0	8-φ19	226	300
	5	125	356	254	216.0	186	24.0	8-φ22.5	230	300
	6	150	394	279	241.3	216	25.4	8-φ22.5	250	500
	8	200	457	343	298.5	270	28.4	8-φ22.5	280	500
	10	250	533	406	362.0	324	30.2	12-φ25.4	320	600

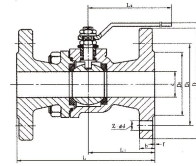
Main Dimensions Size

Nominal Pressure	Nominal diameter		(Mm) Dimensions							
	In	mm	L	D	D1	D2	b	n-φd	H	D0
Q41F 300Lb(PN) RF	1/2	15	140	95	66.5	35	14.2	4-φ16	59	130
	3/4	20	152	117	82.5	43	16.0	4-φ19	63	130
	1	25	165	123	89.0	51	17.5	4-φ19	75	160
	1 1/4	32	178	133	98.5	63	19.0	4-φ19	95	160
	1 1/2	40	190	155	114.3	73	20.6	4-φ22.5	107	160
	2	50	216	165	127.0	92	22.4	8-φ19	155	200
	2 1/2	65	241	190	149.4	105	25.4	8-φ22.5	164	200
	3	80	283	210	168.1	127	28.4	8-φ22.5	182	200
	4	100	305	254	200.2	157	31.8	8-φ22.5	226	300
	5	125	381	279	235.0	186	35.0	8-φ22.5	230	300
	6	150	403	318	269.7	216	36.6	12-φ25.5	250	500
	8	200	502	381	330.2	270	41.2	12-φ25.4	280	500
Q41F 600Lb(PN) RF	1/2	15	165	95	66.5	35	21	4-φ16	59	130
	3/4	20	190	117	82.5	43	22.5	4-φ19	63	130
	1	25	216	124	89.0	51	24	4-φ19	75	160
	1 1/4	32	229	133	98.5	63	27.5	4-φ19	95	160
	1 1/2	40	241	156	114.3	73	29	4-φ22.5	107	200
	2	50	292	165	127.0	92	33	8-φ19	162	200
	2 1/2	65	330	190	149.4	105	36	8-φ22.5	205	300
	3	80	356	210	168.1	127	39	8-φ22.5	226	300
	4	100	432	273	216.0	157	45	8-φ25.4	240	500
	5	125	508	330	266.7	186	52	8-φ28.5	305	500
	6	150	559	356	292.1	216	55	12-φ29.5	353	600



Main Dimensions Size

Nominal Pressure	Nominal diameter		(Mm) Dimensions							
	In	mm	L	D	D1	D2	b	n-φd	H1	H2
Q347F 150Lb (CPN) RF	6	150	394	279	241.3	216	25.4	8-φ22.5	219	330
	8	200	457	343	298.5	270	28.4	8-φ22.5	273	398
	10	250	533	406	362.0	324	30.2	12-φ25.4	360	495
	12	300	610	483	431.8	381	32.0	12-φ25.4	395	580
	14	350	686	533	476.3	413	35.0	12-φ29	430	625
	16	400	762	597	520.8	470	36.6	16-φ29	470	670
	18	450	864	635	577.9	533	39.6	16-φ32	550	698
	20	500	914	698	635.0	584	43.0	20-φ32	580	840
	24	600	1067	813	749.3	692	48.8	20-φ35	700	1050
	6	150	400	318	269.7	216	36.6	12-φ22.5	219	330
Q347F 300Lb (CPN) RF	8	200	502	381	330.2	270	41.2	12-φ25.4	273	398
	10	250	568	444	387.4	324	47.8	16-φ28.5	360	495
	12	300	648	521	450.8	381	50.8	16-φ32	395	580
	14	350	792	584	514.4	413	54.0	20-φ32	430	625
	16	400	838	648	571.5	470	57.2	20-φ35	470	670
	18	450	914	711	628.7	533	60.5	24-φ35	550	698
	20	500	991	775	685.8	584	63.65	24-φ35	580	840
	24	600	1143	914	812.8	692	70.0	24-φ41	700	1050
	6	150	559	356	216	216	55	12-φ28.5	250	300
	8	200	660	419	270	270	63	12-φ32	294	374
Q347F 600Lb (CPN) RF	10	250	767	516	324	324	71	16-φ38	370	445
	12	300	838	559	381	381	74	20-φ35	420	515
	14	350	889	603	413	413	77	20-φ38	460	550
	16	400	991	695	470	470	84	20-φ41	505	615
	18	450	1092	743	533	533	90	20-φ44.5	560	720
	20	500	1194	813	584	584	96	20-φ44.5	630	810
	24	600	1397	940	692	692	109	24-φ51	825	1010



Administer Standard

Item	Design And Manufacture	Face to face	Flange Dimension	Pressure Temperature Rating	Inspection And Test
Standard	API6D	JIS B2002 ANSI B16.10	JIS B2212 JIS B2214	JIS B2001 ANSI B16.34	JIS B2003 API 598

Pressure Test

Nominal Pressure	Class	PS(MPa) Test Pressure			Working temperature	Appropriate Medium
		Shell	Seal (Liquid)	Seal (Gas)		
SCPH2	10	2.4	1.5	0.6		Water, Steam, Oil
	20	5.8	4.0	0.6		
SCS13 SCS13A	10	2.4	1.5	0.6		Nitric acid
	20	5.8	4.0	0.6		
SCS14 SCS19	10	2.4	1.5	0.6		Acetic acid
	20	5.8	4.0	0.6		
SCS16 SCS16A	10	2.4	1.5	0.6		Sulfur ammonium, Urea etc
	20	5.8	4.0	0.6		

Main Dimensions Size

Nominal Pressure	Nominal diameter		Dimensions										
	In	mm	d	L	L1	D	D1	D2	b	f	Z-φd	H	L0
10K	1/2	15	13	108	54	95	70	52	12	1	4-φ15	59	130
	3/4	20	19	117	58	100	75	56	14	1	4-φ15	63	130
	1	25	25	127	62	125	80	70	14	1	4-φ19	75	160
	1 1/4	32	32	140	64	135	100	80	16	2	4-φ19	85	160
	1 1/2	40	38	165	66	140	105	85	16	2	4-φ19	97	230
	2	50	51	178	78	155	120	100	16	2	4-φ19	107	230
	2 1/2	65	64	190	95	175	140	120	18	2	4-φ19	142	400
	3	80	76	203	101.8	185	150	130	18	2	8-φ19	152	400
	4	100	102	229	118.7	210	175	155	18	2	8-φ19	178	650
	5	125	127	256	148	250	210	185	20	2	8-φ23	252	735
20K	1/2	15	13	140	70	95	70	52	14	1	4-φ15	59	130
	3/4	20	19	152	76	100	75	58	16	1	4-φ15	63	130
	1	25	25	165	82.5	125	90	70	16	1	4-φ19	75	160
	1 1/4	32	32	178	89	135	100	80	18	2	4-φ19	90	160
	1 1/2	40	38	190.5	95.25	140	105	85	18	2	4-φ19	95	230
	2	50	51	216	108	155	120	100	18	2	8-φ19	107	230
	2 1/2	65	64	241	120.5	175	140	120	20	2	8-φ19	142	400
	3	80	76	283	141.5	200	160	135	22	2	8-φ23	152	400
	4	100	102	305	152.5	225	185	160	24	2	8-φ23	178	650
	5	125	127	381	190.5	270	225	195	26	2	8-φ25	252	735

Material Quality and Type of Drive Code Number

Product model	H44 Add-on "Y, H, W, F, N" (Expresses the packing surface material quality)
ANSI pressure	150, 300, 400, 600, 900, 1500, 2500Lb(C, L, V, P, R Expresses the valve body material quality)

Usage&Features

The flange connection API cast steel check valve is suitable for ANSI Class 150-800, the operating temperature < 570 °C petroleum, the chemical industry, the thermal power station and so on gathers plants the operating mode in the tube On, is suitable the medium is: Water, oil quality, steam and so on.

1. Product design manufacture according to API standard request, seal reliable, the performance is fine, can and the import equipment necessary use.

2. Shell wall thickness conforms to the API standard after the strict test, has the enough intensity and the rigidity.

3. The valve petal, the valve seat packing surface use the the iron-base alloy or the department too sets (upstellite) the cobalt base hard alloy built-up welding but to become, wear-resisting, thermostable, anti-corrosive, the anti-abrasion performance is good. The service life is long.

4. The branch beginnings and end press the API standard design manufacture completely for the flange connection, can satisfy import the equipment necessary and the exportation standard request.

Administer Standard

Design And Manufacture	Face to Face	Flange Dimensions	Pressure Temperature Rating	Inspection And Test
API 6D BS 1868	ANSI B16.10	ANSI B16.5	ANSI B16.34	API 598 API 6D

Material Quality and Type of Drive Code Number

Product model	815, 830 Add-on "L, W" (Expresses the packing surface material quality)
ANSI pressure	150, 300Lb(C, L, V, P, R Expresses the valve body material quality)
Type of drive	"D" inserts "3" after the model the demonstration D3815-150Lb expresses(gear transmission) "Y" inserts "9" after the model the demonstration D9815-150Lb expresses(Electrically operated transmission)

Usage&Features

Main configuration characteristic of 815,830 series of butterfly valve is composed of wafer and flange three eccentricity, then main configuration characteristic of 815,830L series butterfly valve is dege of body with protruding ears and single flange configuration with screw. 815,830 series of butterfly valve has been widely utilized in petroleum, chemical industry and industry environmental protection water treatment, high building, water supplying and draining. The main characteristic is: due to use three eccentric configuration, hermetic capability reliability, which ensure disc never touch seatings when it start, solve the problem of hermetical seat burden unequally, prolong service life, and ensure reliable hermetic capability with advantage of high temperature resistant, wearable, antiseptic etc.

Administer Standard

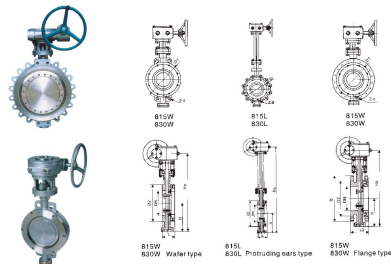
Design And Manufacture	Face to face	Flange Dimension	Inspection And Test
API 609-2004	ANSI B 16.10-2002	ANSI B 16.5-2004	API 598-2004

Pressure Test

Dimension	830W	830L
Nominal Diameter	2"-36"	2"-36"
PN(Lb)	150	300
Test pressure	Shall test	3.0 7.5
Test pressure	Seal test	2.2 5.5
Appropriate medium	Water, steam, oil, seawater	
Appropriate temperature	-49-425℃	

Main Part Materials and Property

Parts name	Material
Body	WCB, 304, 316, 316SS, CF8M
Disc	WCB, 304, 316, 316SS, CF8M
Stem	316, 2Cr13, 1Cr18Ni9Ti
Seal ring	316, Fluorine Plastic
Packing	Flexible graphite, fluorine plastic



API 815W Series

Nominal diameter		(mm) Dimensions											Consult weight
In	mm	L	L1	H	HD	D	D1	D2	M	Z-d			
2	50	43	108	110	345	152	120.5	92	M18	4-19	9	20	
3	80	48	114	125	380	190	152.5	127	M18	4-19	11	29	
4	100	54	127	145	415	229	190.5	157	M18	6-19	13	33	
5	125	57	140	165	455	254	216	166	M20	8-22	16	38	
6	150	57	140	175	545	279	241.5	216	M20	8-22	26	74	
8	200	64	152	210	645	343	286.5	270	M20	8-22	34	86	
10	250	71	165	250	695	406	362	324	M24	12-25	51	142	
12	300	81	178	285	830	483	432	381	M24	12-25	72	167	
14	350	92	190	320	900	533	476	413	M27	12-29	106	218	
16	400	102	216	355	980	597	540	470	M27	16-28	133	275	
18	450	114	222	380	1030	635	579	533	M30	16-32	176	315	
20	500	127	229	415	1110	699	635	584	M30	20-32	190	395	
24	600	154	267	475	1305	813	749.5	682	M33	20-35	384	580	
30	750	165	292	580	1525	985	914	857	M33	28-35	476	717	
32	800	190	318	630	1585	1060	978	914	M39	28-41	618	880	
36	900	203	330	680	1785	1168	1065	1022	M39	32-41	762	1042	

Attention: Above three sorts such as wafer, wafer protruding ears, flange, driving mode such as manual, worm wheel, pneumatic, and electric, user should specify when ordered.

API 815L Series

Nominal diameter		(mm) Dimensions								Consult weight
In	mm	L	H	HD	D1	D2	M	Z-d		
2	50	57	175	545	241.5	216	M20	8-22	28	
3	80	84	210	615	288.5	270	M20	8-22	36	
4	100	104	250	695	362	324	M24	12-25	53	
6	150	159	350	830	432	381	M24	12-25	74	
8	200	210	450	900	476	413	M27	12-29	110	
10	250	260	550	980	540	470	M27	16-29	136	
12	300	310	650	1030	578	533	M30	16-32	180	
14	350	360	750	1110	635	584	M30	20-32	196	
16	400	410	850	1205	749.5	692	M33	20-35	400	
18	450	460	950	1305	813	757	M33	28-35	482	
20	500	510	1050	1405	914	857	M39	32-41	488	

API 830W Series

Nominal diameter		(mm) Dimensions										Consult weight
In	mm	L	L1	H	HD	D1	D2	M	Z-d			
2	50	43	108	110	345	165	127	M18	8-19	9	20	
3	80	48	114	125	390	210	168	M20	8-22	12	29	
4	100	54	127	145	415	254	200	M20	8-22	13	35	
6	125	59	140	165	455	279	235	M20	8-22	18	40	
8	150	89	140	175	545	318	270	M20	12-22	28	81	
10	200	117	190	210	645	381	330	M24	12-26	37	94	
12	250	163	250	250	695	445	387	M27	16-29	59	158	
14	300	192	285	330	830	521	451	M30	16-32	79	183	
16	350	217	320	350	900	584	514	M30	20-32	116	239	
18	400	233	316	355	980	648	571	M33	20-35	146	302	
20	450	250	340	380	1030	711	628	M33	24-35	193	346	
24	500	269	415	415	1110	715	686	M33	24-35	299	434	
28	600	287	475	475	1205	814	757	M39	24-41	433	638	
30	750	281	580	580	1505	1092	997	M45	28-49	523	788	
36	900	293	680	680	1765	1270	1168	M50	32-53	838	1146	

API 830L Series

Nominal diameter		(mm) Dimensions								Consult weight
In	mm	L	H	HD	D1	D2	M	Z-d		
2	50	59	175	545	270	216	M20	8-22	29	
3	80	73	210	615	330	270	M20	8-22	38	
4	100	83	250	695	387	324	M24	12-25	58	
6	125	92	285	830	451	381	M24	12-25	81	
8	150	117	320	900	514	413	M27	12-29	119	
10	200	133	355	980	591	470	M27	16-29	149	
12	250	149	380	1030	628	533	M30	16-32	198	
14	300	159	415	1110	686	584	M30	20-32	215	
16	350	181	475	1205	813	692	M33	20-35	436	
18	400	181	475	1205	813	692	M33	28-35	528	
20	500	181	580	1505	997	857	M39	32-41	643	
24	600	203	680	1765	1168	1022	M50	32-53	843	

Attention: Above three sorts such as water, water protruding ear, flange, driving mode such as manual, worm wheel, pneumatic and electric, user should specify when ordered.

JIS D373H-10K, 20K Series

Nominal diameter		Structural length (standard)	External dimension(consult)										Connection dimension(standard)			
			H		D373H		D673H		D973H		10K		20K			
In	mm	L	H1	A1	B1	H2	A2	B2	H3	A3	B3	D1	Z-d	D2		
2	50	43	112	350	180	200	625	245	72	530	255	120	4-19	120		
2 1/2	65	48	115	370	180	200	625	245	72	530	255	140	4-19	140		
	80	49	120	380	180	200	645	245	72	565	255	150	8-19	150		
4	100	56	138	420	180	200	675	255	92	600	255	175	8-19	160		
5	125	64	164	460	180	200	715	355	92	640	255	210	8-23	180		
	150	70	175	555	270	280	800	355	92	705	300	240	8-23	200		
6	200	79	208	605	270	280	850	250	170	775	300	315	20-23	200		
	250	78	243	680	270	280	925	250	170	845	300	315	35-35	225		
8	300	83	283	800	380	420	1035	450	220	1070	300	315	40-40	250		
	350	92	313	835	380	420	1070	450	220	1140	300	315	44-44	260		
10	400	102	340	915	450	470	1190	450	220	1210	300	315	50-50	270		
	450	114	380	960	480	490	1250	650	280	1335	575	714	56-56	280		
12	500	127	410	1020	480	490	1260	650	280	1415	575	714	62-62	290		
	600	154	470	1235	480	490	1455	850	380	1605	656	810	73-73	310		
14	700	165	550	1355	640	660	1585	850	380	1844	656	810	84-84	330		
	800	195	640	1470	640	660	1700	1250	380	2040	656	810	95-95	340		
16	900	203	710	1545	750	760	1905	1250	380	2255	785	863	105-105	360		
	1000	216	770	1785	850	860	2015	1250	380	2380	785	863	116-116	380		
18	1200	254	890	1985	850	860	2225	1250	380	2640	785	863	138-138	400		

JIS D343H-10K, 20K Series

Nominal diameter		Structural length (standard)	External dimension(consult)										Connection dimension(standard)			
			H	D343H		D643H		D943H		10K		20K				
In	mm	L	H1	A1	B1	H2	A2	B2	H3	A3	B3	D1	Z-d			
2	50	108	112	350	180	200	625	245	72	530	255	120	4-19			
2 1/2	65	112	115	370	180	200	625	245	72	530	255	140	4-19			
	80	114	120	380	180	200	645	245	72	565	255	150	8-19			
4	100	127	138	420	180	200	675	255	92	600	255	175	8-19			
5	125	140	164	460	180	200	715	355	92	640	256	210	8-23			
6	150	140	175	555	270	280	800	355	92	705	300	240	8-23			
8	200	152	230	605	270	280	850	250	170	775	300	315	20-23			
10	250	165	250	680	270	280	925	250	170	845	300	315	35-35			
12	300	178	283	800	380	420	1035	450	220	1070	300	315	40-40			
14	350	190	310	835	380	420	1070	450	220	1140	300	315	45-45			
16	400	216	340	915	450	470	1190	450	220	1210	300	315	50-50			
18	450	222	380	960	480	490	1250	650	280	1335	575	714	60-60			
20	500	228	410	1020	480	490	1260	650	280	1415	575	714	65-65			
24	600	267	470	1235	480	490	1455	850	380	1605	656	810	75-75			
28	700	292	530	1355	640	660	1585	850	380	1844	656	810	85-85			
32	800	318	640	1470	640	660	1700	1250	380	2040	656	810	95-95			
36	900	330	710	1545	850	860	1905	1250	380	2255	785	863	105-105			
40	1000	410	770	1785	850	860	2015	1250	380	2380	785	863	115-115			
48	1200	470	890	1985	850	860	2225	1250	380	2640	785	863	135-135			

Attention: Above three sorts such as water, water protruding ear, flange, driving mode such as manual, worm wheel, pneumatic and electric, user should specify when ordered.