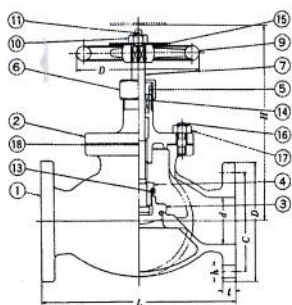


# JIS VALVES

## BRONZE GLOBE VALVES

F7301-5 kgf/cm<sup>2</sup> F7303-16 kgf/cm<sup>2</sup>



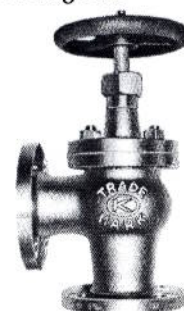
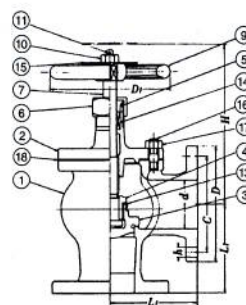
Nominal Press.	Dia.	Dimensions									
		d	L	D	C	N	h	t	H	D <sub>1</sub>	
5 kgf/cm <sup>2</sup> (F7301)	15	15	100	80	60	4	12	9	130	80	
	20	20	110	85	65	4	12	10	140	100	
	25	25	120	95	75	4	12	10	160	125	
	32	32	140	115	90	4	15	12	170	125	
	40	40	160	120	95	4	15	12	190	140	
	50	50	210	130	105	4	15	14	235	140	
16 kgf/cm <sup>2</sup> (F7303)	65	65	250	155	130	4	15	14	260	160	
	15	15	110	95	70	4	15	12	130	80	
	20	20	120	100	75	4	15	14	140	100	
	25	25	130	125	90	4	19	14	160	125	
32	32	160	135	100	4	19	16	170	125		
	40	40	180	140	105	4	19	16	190	140	

The above dimensions are the same for:

**Bronze Screw-Down Globe Check Valves**  
JIS F7351-5 kgf/cm<sup>2</sup> and JIS F7409-16 kgf/cm<sup>2</sup>  
**Bronze Globe Union Bonnet Valves**  
JIS F7346-5 kgf/cm<sup>2</sup> and JIS F7348-16 kgf/cm<sup>2</sup>

## BRONZE ANGLE VALVES

F7302-5 kgf/cm<sup>2</sup> F7304-16 kgf/cm<sup>2</sup>



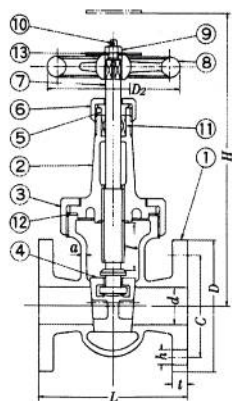
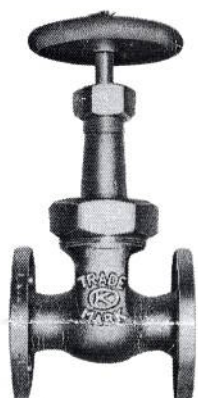
Nominal Press.	Dia.	Dimensions									
		d	L <sub>1</sub>	D	C	N	h	t	H	D <sub>1</sub>	
5 kgf/cm <sup>2</sup> (F7302)	15	15	55	80	60	4	12	9	120	80	
	20	20	60	85	65	4	12	10	130	100	
	25	25	65	95	75	4	12	10	145	125	
	32	32	80	115	90	4	15	12	150	125	
	40	40	85	120	95	4	15	12	165	140	
	50	50	100	130	105	4	15	14	200	140	
16 kgf/cm <sup>2</sup> (F7304)	65	65	115	155	130	4	15	14	220	160	
	15	15	70	95	70	4	15	12	120	80	
	20	20	75	100	75	4	15	14	130	100	
	25	25	85	125	90	4	19	14	145	125	
32	32	95	135	100	4	19	16	150	125		
	40	40	100	140	105	4	19	16	165	140	

The above dimensions are the same for:

**Bronze Screw-Down Angle Check Valves**  
JIS F7352-5 kgf/cm<sup>2</sup> and JIS F7410-16 kgf/cm<sup>2</sup>  
**Bronze Union Bonnet Angle Valves**  
JIS F7347-5 kgf/cm<sup>2</sup> and JIS F7349-16 kgf/cm<sup>2</sup>

## BRONZE GATE VALVES – Rising Stem

F7367-5 kgf/cm<sup>2</sup> F7368-10 kgf/cm<sup>2</sup>



No.	Item	Material
1	Body	BC6
2	Bonnet	BC6
3	Bonnet Nut	BC6
4	Disc	BC6
5	Packing Gland	BC6 or
6	Gland Nut	C3771BD
7	Stem	C3771BD
8	Hand Wheel	FC20
9	Nut	C3771BD
10	Split Pin	C2600W
11	Packing	JISF7102
12	Gasket	JISF7102
13	Name Plate	C2801P

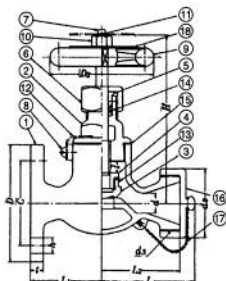
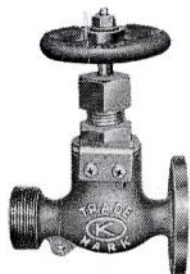
Nominal Press.	Dia.	Dimensions											
		d	L	D	C	N	h	t	H	e	D <sub>2</sub>	a	
5 kgf/cm <sup>2</sup> (F7367)	15	15	90	80	60	4	12	9	175	21.5	80	3.5	
	20	20	100	85	65	4	12	10	200	27	80	4	
	25	25	110	95	75	4	12	10	220	32.5	100	4.5	
	32	32	130	115	90	4	15	12	250	39.5	100	5	
10 kgf/cm <sup>2</sup> (F7368)	40	40	140	120	95	4	15	12	290	48	125	6	
	15	15	100	95	70	4	15	12	175	21.5	80	3.5	
	20	20	110	100	75	4	15	14	200	27	80	4	
	25	25	120	125	90	4	19	14	220	32.5	100	4.5	
32	32	140	135	100	4	19	16	250	39.5	100	5		
	40	40	150	140	105	4	19	16	290	48	125	6	

# JIS VALVES

## BRONZE HOSE GLOBE & ANGLE VALVES

F7334 – 5 kgf/cm<sup>2</sup> & 10 kgf/cm<sup>2</sup>

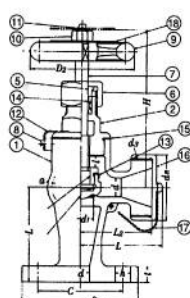
### Screwed Type



No.	Item	Material	No.	Item	Material	No.	Item	Material
1	Body	BC6	7	Stem	C3771BD	13	Lock Washer	C2600P
2	Bonnet		8	Set Screw	C2770W	14	Packing	JIS F7102
3	Disc	BC6	9	Hand Wheel	FC20	15	Gasket	JIS F7102
4	Disc Nut	or	10	Nut	C3771BD	16	Cap	BC6
5	Gland	C3771BD	11	Split Pin	C2600W	17	Chain	C2600W
6	Gland Nut		12	Lock Plate	C2600P	18	Name Plate	C2600P

### Globe

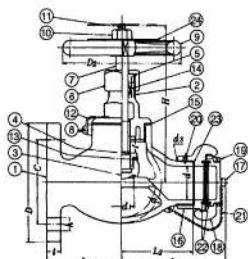
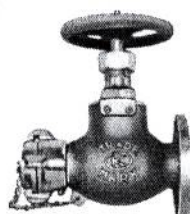
Nominal		d	d <sub>1</sub>	L	D	C	N	h	t	H	l	D <sub>2</sub>	d <sub>3</sub>	a	L <sub>1</sub>	L <sub>2</sub>	d <sub>6</sub>
Dia.	Press.																
15	5	15	20	68	80	60	4	12	9	129	8	80	M42 x 2	3	55	55	52
15	10	15	20	73	95	70	4	15	12	129	8	80	M42 x 2	4	70	60	52
25	5	25	30	78	95	75	4	12	10	161	12	125	M42 x 2	4	60	65	52
25	10	25	30	83	125	90	4	19	14	161	12	125	M42 x 2	4	65	70	52



### Angle

Nominal		d	d <sub>1</sub>	L	D	C	N	h	t	H	l	D <sub>2</sub>	d <sub>3</sub>	a	L <sub>1</sub>	L <sub>2</sub>	d <sub>6</sub>
Dia.	Press.																
15	5	15	20	73	80	60	4	12	9	129	8	80	M42 x 2	3	50	60	52
15	10	15	20	73	95	70	4	15	12	129	8	80	M42 x 2	4	55	60	52
25	5	25	30	78	95	75	4	12	10	161	12	125	M42 x 2	4	60	65	52
25	10	25	30	83	125	90	4	19	14	161	12	125	M42 x 2	4	65	70	52

### Nakajima Quick Coupling



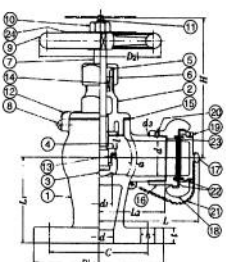
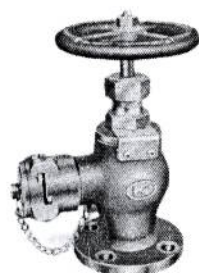
No.	Item	Material	No.	Item	Material	No.	Item	Material
1	Body	BC6	9	Hand Wheel	FC20	17	Cap	BC6
2	Bonnet		10	Nut	C3771BD	18	Coupling Ring	BC6
3	Disc	BC6	11	Split Pin	C2600W	19	Set Ring	BC6
4	Disc Nut	or	12	Lock Plate	C2600P	20	Set Screw	C2700W
5	Gland	C3771BD	13	Lock Washer	C2600P	21	Chain	C2700W
6	Gland Nut		14	Packing	JIS F7102	22	Gasket	Rubber
7	Stem	C3771BD	15	Gasket	JIS F7102	23	Gasket	JIS F7102
8	Set Screw	C2770W	16	Base Connection	BC6	24	Name Plate	C2600P

### Globe

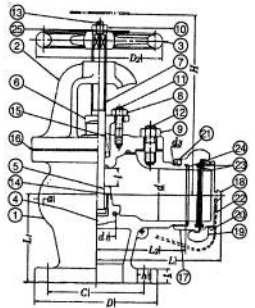
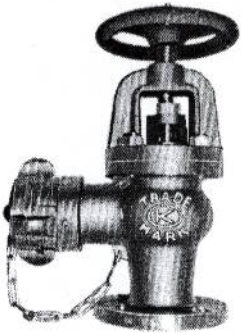
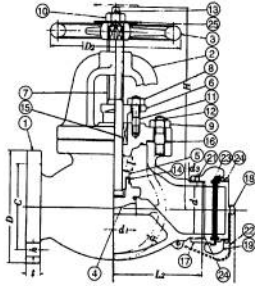
Nominal		d	d <sub>1</sub>	L	D	C	N	h	t	H	l	D <sub>2</sub>	d <sub>3</sub>	a	L <sub>1</sub>	L <sub>2</sub>
Dia.	Press.															
40	5	40	45	128.5	120	95	4	15	12	193	17.5	140	M52 x 2	5	80	80
40	10	40	45	133.5	140	105	4	19	16	193	17.5	140	M52 x 2	6	90	85

### Angle

Nominal		d	d <sub>1</sub>	L	D	C	N	h	t	H	l	D <sub>2</sub>	d <sub>3</sub>	a	L <sub>1</sub>	L <sub>2</sub>
Dia.	Press.															
40	5	40	45	123.5	120	95	4	15	12	193	17.5	140	M52 x 2	5	85	75
40	10	40	45	123.5	140	105	4	19	16	193	17.5	140	M52 x 2	6	100	75



**BRONZE HOSE GLOBE &  
ANGLE VALVES**  
F7334 – 5 kgf/cm<sup>2</sup> & 10 kgf/cm<sup>2</sup>



**JIS VALVES**

**Nakajima Quick Coupling**

No.	Item	Material	No.	Item	Material	No.	Item	Material
1	Body	BC6	10	Nut	C3771BD	19	Coupling Ring	BC6
2	Bonnet	BC6	11	Stud Bolt	C3771BD	20	Set Ring	BC6
3	Hand Wheel	FC20	12	Stud Bolt	C3771BD	21	Set Screw	C2700W
4	Disc	BC6	13	Split Pin	C2600W	22	Chain	C2700W
5	Disc Nut	C3771BD	14	Lock Plate	C2600P	23	Gasket	Rubber
6	Gland	BC6	15	Packing	JIS F7102	24	Gasket	JIS F7102
7	Stem	C3771BD	16	Gasket	JIS F7102	25	Name Plate	C2600P
8	Nut	C3771BD	17	Base Connection	BC6			
9	Nut	C3771BD	18	Cap	BC6			

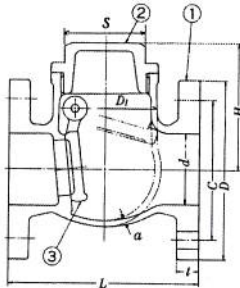
**Globe**

Nominal		d	d'	d <sub>1</sub>	L	D	C	N	h	t	H	l	D <sub>2</sub>	d <sub>3</sub>	a	L <sub>1</sub>	L <sub>2</sub>
Dia.	Press.																
50	5	50	50	55	159.8	130	105	4	15	14	256	20	160	M64 x 2	6	105	105
50	10	50	50	55	164.8	155	120	4	19	16	271	20	160	M64 x 2	7	110	110
65	10	65	65	75	199.8	175	140	4	19	18	298	26	200	M80 x 2	8	135	140

**Angle**

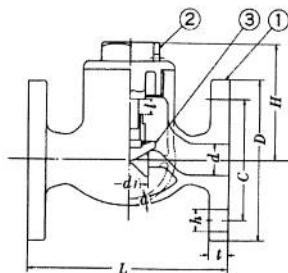
Nominal		d	d'	d <sub>1</sub>	L	D	C	N	h	t	H	l	D <sub>2</sub>	d <sub>3</sub>	a	L <sub>1</sub>	L <sub>2</sub>
Dia.	Press.																
50	5	50	50	55	154.8	130	105	4	15	14	256	20	160	M64 x 2	6	100	100
50	10	50	50	55	159.8	155	120	4	19	16	271	20	160	M64 x 2	7	120	105
65	10	65	65	75	179.8	175	140	4	19	18	298	26	200	M80 x 2	8	130	120

**BRONZE SWING CHECK VALVES**  
F7371 – 5 kgf/cm<sup>2</sup>



Nominal Dia.	d	L	D	C	N	h	t	H	a	D <sub>1</sub>	S
25	25	110	95	75	4	12	10	69	4	58	41
32	32	130	115	90	4	15	12	79	4	66	41
40	40	140	120	95	4	15	12	93	5	75	46

**BRONZE LIFT CHECK VALVES**  
F7356 – 5 kgf/cm<sup>2</sup>

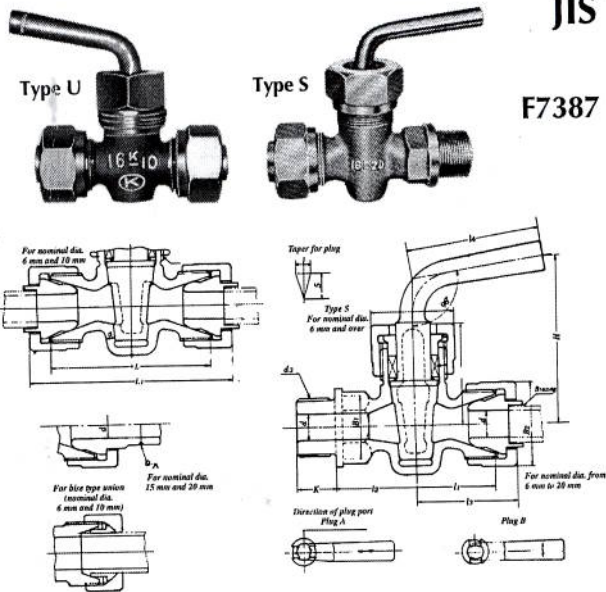


No.	Item	Material
1	Body	BC6
2	Bonnet	BC6 or C3771BD
3	Disc	BC6 or C3771BD

Nominal Dia.	d	d <sub>1</sub>	L	D	C	N	h	t	H	l	a
25	25	30	120	95	75	4	12	10	77	10	4
32	32	37	140	115	90	4	15	12	81	11	4
40	40	45	160	120	95	4	15	12	91	13	5

# JIS VALVES

## F7387 BRONZE COCKS – 16 kgf/cm<sup>2</sup>



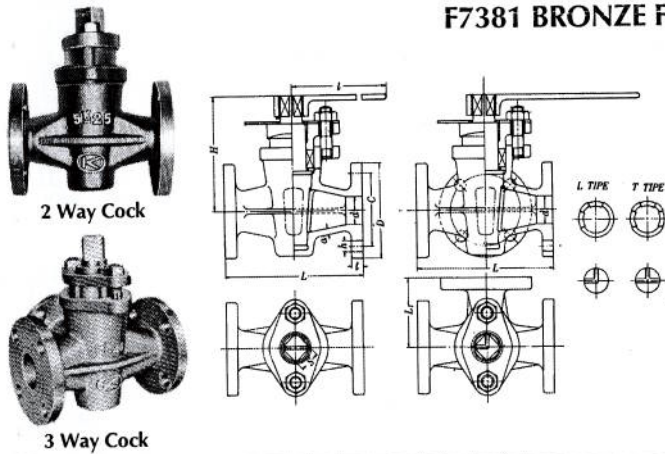
### Type S

Nom. dia.	Pipe out. dia.		d	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	d <sub>3</sub>	K	H	l <sub>4</sub>	B <sub>1</sub>	B <sub>2</sub>
	Copper	Steel										
6	8 & 10	10.5	6	28	28	37	M20 x 1.5	12	65	55	22	30
10	15	17.3	10	40	35	52	M24 x 2	16	73	65	27	41
15	20	21.7	15	45	45	58	M30 x 2	22	92	75	36	46
20	25	27.2	20	50	50	65	M36 x 2	24	104	85	41	50

### Type U

Nom. dia.	Pipe out. dia.		d	L	L <sub>1</sub>	H	l <sub>4</sub>	a	d <sub>4</sub>	H <sub>3</sub>	B <sub>2</sub>	B <sub>3</sub>
	Copper	Steel										
6	8 & 10	10.5	6	56	74	65	55	3	M24 x 2	36	30	32
10	15	17.3	10	80	104	73	65	4	M30 x 2	44	41	36

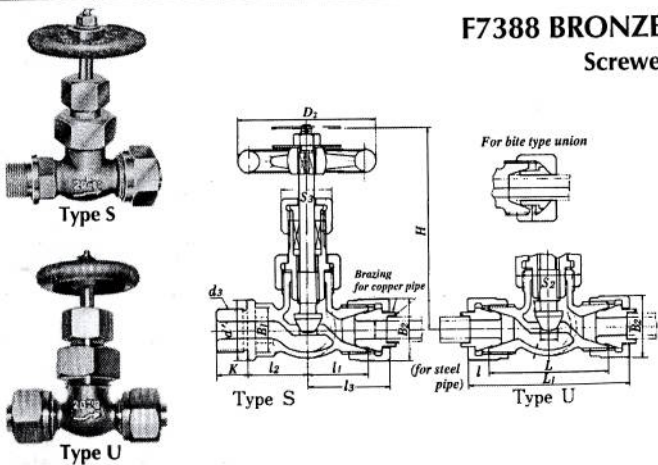
## F7381 BRONZE FLANGED COCKS – 5 kgf/cm<sup>2</sup>



Nominal dia.	d	L	L <sub>1</sub>	D	C	N	h	t	H	l	a	S
25	25	130	65	95	75	4	12	10	105	160	5	17
32	32	160	80	115	90	4	15	12	125	180	5	22
40	40	170	85	120	95	4	15	12	135	190	6	24
50	50	190	95	130	105	4	15	14	163	200	6	27
65	65	220	110	155	130	4	15	14	201	250	7	36

## F7388 BRONZE GLOBE VALVE – 20 kgf/cm<sup>2</sup>

Screwed Ends – Union Bonnet



### Type S

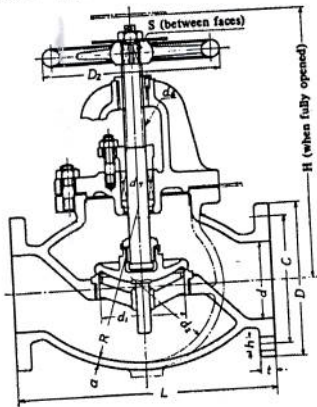
Nom. dia.	Pipe out. dia.		d	d'	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	d <sub>3</sub>	K	H	D <sub>2</sub>	B <sub>1</sub>	B <sub>2</sub>	S <sub>3</sub>
	Copper	Steel												
6	8 & 10	10.5	6	8	32	32	41	M20 x 1.5	12	100	63	22	30	27
10	15	17.3	10	10	36	35	48	M24 x 2	16	115	80	27	41	30

### Type U

Nom. dia.	Pipe out. dia.		d	d <sub>1</sub>	L	L <sub>1</sub>	H	l	D <sub>2</sub>	a	B <sub>2</sub>	S <sub>2</sub>	S <sub>3</sub>
	Copper	Steel											
6	8 & 10	10.5	6	8	64	82	100	5.5	63	3	30	36	27
10	15	17.3	10	10	72	96	115	7.5	80	3	41	41	30

## JIS VALVES

### CAST IRON AND CAST STEEL GLOBE VALVES with Bronze Trim

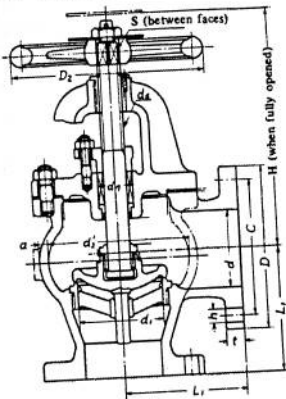


- JIS F7305 – 5 kgf/cm<sup>2</sup> Cast Iron Globe Valves
- JIS F7353 – 5 kgf/cm<sup>2</sup> Cast Iron Screw-Down Check Globe Valves
- JIS F7311 – 5 kgf/cm<sup>2</sup> Cast Steel Globe Valves
- JIS F7311 – 5 kgf/cm<sup>2</sup> Cast Steel Screw-Down Check Globe Valves

Size	d	d <sub>1</sub>	L	D	C	No.	h	Bolt	t	H	F7305	F7353	D <sub>2</sub>	a	d <sub>6</sub>	d <sub>7</sub>	(kg)
50	50	58	210	130	105	4	15	M12	16	270	17	15	160	8	TW20	32	14.7
65	65	73	250	155	130	4	15	M12	18	300	22	17	180	9	TW22	36	21.3
80	80	88	280	180	145	4	19	M16	18	310	27	20	180	9	TW22	36	27.7
100	100	111	340	200	165	8	19	M16	20	360	33	25	224	10	TW26	42	40.8
125	125	138	410	235	200	8	19	M16	20	390	42	31	250	11	TW28	44	57.6
150	150	163	480	265	230	8	19	M16	22	445	50	37	280	12	TW32	50	80.3
200	200	213	570	320	280	8	23	M20	24	530	67	46	315	15	TW36	56	139
250	250	265	740	385	345	12	23	M20	26	650	84	63	355	16	TW42	66	216
300	300	315	840	430	390	12	23	M20	28	740	100	75	400	17	TW46	72	346
350	335	355	940	480	435	12	25	M22	30	840	112	84	500	18	TW52	80	418
400	380	405	1050	540	495	16	25	M22	30	940	127	95	630	20	TW58	88	600

Unit: mm

### CAST IRON AND CAST STEEL ANGLE VALVES with Bronze Trim

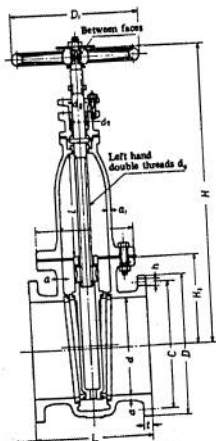


- JIS F7306 – 5 kgf/cm<sup>2</sup> Cast Iron Angle Valves
- JIS F7354 – 5 kgf/cm<sup>2</sup> Cast Iron Screw-Down Check Angle Valves
- JIS F7312 – 5 kgf/cm<sup>2</sup> Cast Steel Angle Valves
- JIS F7312 – 5 kgf/cm<sup>2</sup> Cast Steel Screw-Down Check Angle Valves

Size	d	d <sub>1</sub>	L <sub>1</sub>	D	C	No.	h	Bolt	t	H	F7306	F7354	D <sub>2</sub>	a	d <sub>6</sub>	d <sub>7</sub>	(kg)
50	50	58	100	130	105	4	15	M12	16	240	17	15	160	8	TW20	32	12.9
65	65	73	115	155	130	4	15	M12	18	255	22	17	180	9	TW22	36	18.2
80	80	88	130	180	145	4	19	M16	18	265	27	20	180	9	TW22	36	23.4
100	100	111	150	200	165	8	19	M16	20	310	33	25	224	10	TW26	42	33.7
125	125	138	170	235	200	8	19	M16	20	330	42	31	250	11	TW28	44	46.2
150	150	163	190	265	230	8	19	M16	22	380	50	37	280	12	TW32	50	63.4
200	200	213	220	320	280	8	23	M20	24	450	67	46	315	15	TW36	55	105
250	250	265	275	385	345	12	23	M20	26	540	84	63	355	16	TW42	66	166
300	300	315	310	430	390	12	23	M20	28	610	100	75	400	17	TW46	72	243
350	335	355	360	480	435	12	25	M22	30	690	112	84	500	18	TW52	80	327
400	380	405	395	540	495	16	25	M22	30	770	127	95	630	20	TW58	88	459

Unit: mm

### CAST IRON AND CAST STEEL GATE VALVES with Bronze Trim

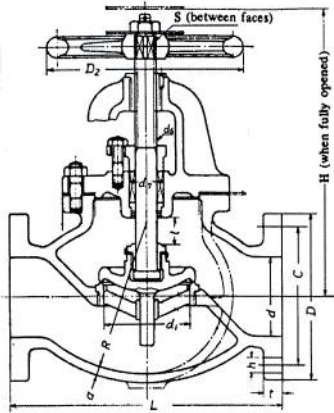


- JIS F7363 – 5 kgf/cm<sup>2</sup> Cast Iron Gate Valves
- JIS F7365 – 5 kgf/cm<sup>2</sup> Cast Steel Gate Valves

Size	d	L	D	C	No.	h	Bolt	t	H	I	D <sub>1</sub>	a	d <sub>6</sub>	d <sub>7</sub>	(kg)
50	50	180	130	105	4	15	M12	16	285	58	125	8	TW16	26	13.5
65	65	190	155	130	4	15	M12	18	330	74	140	9	TW18	28	19.0
80	80	200	180	145	4	19	M16	18	380	89	160	9	TW20	32	24.2
100	100	230	200	165	8	19	M16	20	430	109	180	10	TW22	36	35.3
125	125	250	235	200	8	19	M16	20	495	135	200	11	TW24	38	48.1
150	150	270	265	230	8	19	M16	22	560	159	224	12	TW26	42	65.3
200	200	290	320	280	8	23	M20	24	680	211	280	14	TW30	48	103
250	250	330	385	345	12	23	M20	26	800	262	355	16	TW34	54	164
300	300	370	430	390	12	23	M20	28	920	313	400	18	TW38	60	236
350	335	410	480	435	12	25	M22	30	1000	350	450	19	TW40	62	307
400	380	470	540	495	16	25	M22	30	1100	394	500	21	TW44	68	405
450	430	500	605	555	16	25	M22	30	1400	445	560	23	TW46	74	581
500	480	550	655	605	20	25	M22	32	1500	496	560	25	TW48	74	725
550	530	600	720	665	20	27	M24	32	1600	548	630	27	TW50	80	909
600	580	710	770	715	20	27	M24	32	1700	599	630	29	TW52	80	1150

Unit: mm

## JIS VALVES



### CAST IRON (Bronze Trim) & CAST STEEL (SS Trim) GLOBE VALVES

JIS F7307 – 10 kgf/cm<sup>2</sup> Cast Iron Globe Valves

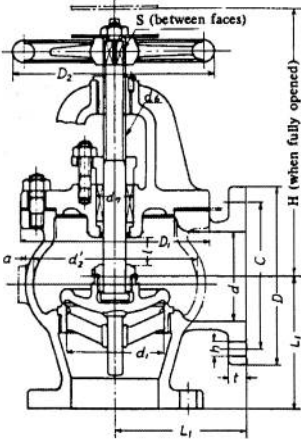
JIS F7375 – 10 kgf/cm<sup>2</sup> Cast Iron Screw-Down Check Globe Valves

JIS F7319 – 10 kgf/cm<sup>2</sup> Cast Steel Globe Valves

JIS F7471 – 10 kgf/cm<sup>2</sup> Cast Steel Screw-Down Check Globe Valves

Size	d	d <sub>1</sub>	L <sub>1</sub>	D	C	No.	h	Bolt	t	H	F7307	F7375	D <sub>2</sub>	a	d <sub>6</sub>	d <sub>7</sub>	(kg)
50	50	58	220	155	120	4	19	M16	20	285	17	15	160	10	TW22	36	19.9
65	65	73	270	175	140	4	19	M16	22	310	22	17	200	11	TW24	38	28.7
80	80	88	300	185	150	8	19	M16	22	320	27	20	200	11	TW24	38	32.4
100	100	111	350	210	175	8	19	M16	24	370	33	25	250	12	TW28	44	48.7
125	125	138	420	250	210	8	23	M20	24	420	42	31	280	13	TW32	50	73.1
150	150	163	490	280	240	8	23	M20	26	470	50	37	315	14	TW36	56	104
200	200	213	570	330	290	12	23	M20	26	555	67	46	355	17	TW42	66	162
250	250	265	740	400	355	12	25	M22	30	680	83	—	450	20	TW48	74	304
300	300	315	840	445	400	16	25	M22	32	770	100	—	500	22	TW52	80	458

Unit: mm



### CAST IRON (Bronze Trim) & CAST STEEL (SS Trim) ANGLE VALVES

JIS F7308 – 10 kgf/cm<sup>2</sup> Cast Iron Angle Valves

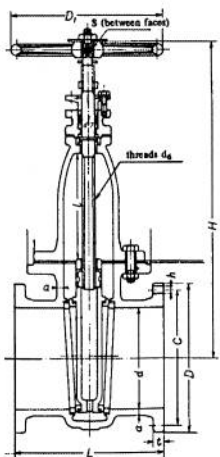
JIS F7376 – 10 kgf/cm<sup>2</sup> Cast Iron Screw-Down Check Angle Valves

JIS F7320 – 10 kgf/cm<sup>2</sup> Cast Steel Angle Valves

JIS F7472 – 10 kgf/cm<sup>2</sup> Cast Steel Screw-Down Check Angle Valves

Size	d	d <sub>1</sub>	L <sub>1</sub>	D	C	No.	h	Bolt	t	H	F7308	F7376	D <sub>2</sub>	a	d <sub>6</sub>	d <sub>7</sub>	(kg)	
50	50	58	120	155	120	4	19	M16	20	255	255	17	15	160	10	TW22	36	18.2
65	65	73	130	175	140	4	19	M16	22	270	260	22	17	200	11	TW24	38	25.4
80	80	88	140	185	150	8	19	M16	22	275	270	27	20	200	11	TW24	38	27.4
100	100	111	160	210	175	8	19	M16	24	315	305	33	25	250	12	TW28	44	40.6
125	125	138	180	250	210	8	23	M20	24	360	350	42	31	280	13	TW32	50	69.9
150	150	163	205	280	240	8	23	M20	26	405	390	50	37	315	14	TW36	56	81.0
200	200	213	230	330	290	12	23	M20	26	475	450	67	46	355	17	TW42	66	125
250	250	265	290	400	355	12	25	M22	30	570	—	83	—	450	20	TW48	74	211
300	300	315	320	445	400	16	25	M22	32	645	—	100	—	500	22	TW52	80	293
350	335	350	360	490	445	16	25	M22	34	710	—	112	—	560	24	TW58	88	386
400	380	403	420	560	510	16	27	M24	36	790	—	127	—	630	26	TW65	97	544

Unit: mm



### CAST IRON (Bronze Trim) & CAST STEEL (SS Trim) GATE VALVES

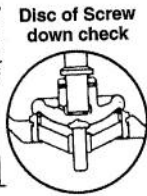
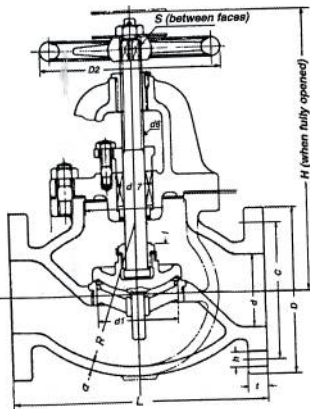
JIS F7364 – 10 kgf/cm<sup>2</sup> Cast Iron Gate Valves

JIS F7366 – 10 kgf/cm<sup>2</sup> Cast Steel Gate Valves

Size	d	L	D	C	No.	h	bolt	t	H	I	D <sub>1</sub>	a	d <sub>6</sub>	d <sub>7</sub>	(kg)
50	50	200	155	120	4	19	M16	20	300	58	140	9	TW18	28	19.4
65	65	220	175	140	4	19	M16	22	350	74	160	10	TW20	32	27.6
80	80	230	185	150	8	19	M16	22	400	89	180	10	TW22	36	33.0
100	100	250	210	175	8	19	M16	24	450	110	200	11	TW24	38	45.8
125	125	270	250	210	8	23	M20	24	520	136	224	13	TW26	42	65.9
150	150	290	280	240	8	23	M20	26	580	160	250	14	TW28	44	86.0
200	200	320	330	290	12	23	M20	26	700	212	315	16	TW32	50	136
250	250	380	400	355	12	25	M22	30	840	264	400	18	TW38	60	230
300	300	440	445	400	16	25	M22	32	960	315	450	20	TW42	66	331
350	335	500	490	445	16	25	M22	34	1050	352	500	22	TW44	68	433
400	380	590	560	510	16	27	M24	36	1150	396	560	24	TW48	74	597
450	430	640	620	565	20	27	M24	38	1260	447	600	27	TW52	—	704
500	480	710	675	620	20	27	M24	40	1380	499	680	30	TW55	—	901
550	530	780	745	680	20	33	M30	42	1550	551	760	33	TW58	—	1192
600	580	850	795	730	24	33	M30	44	1675	602	800	36	TW62	—	1490

Unit: mm

## JIS VALVES



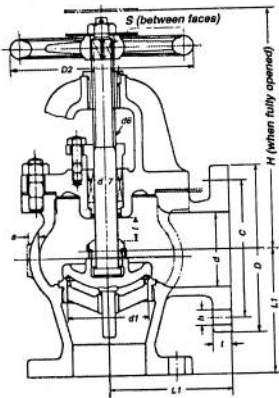
### CAST IRON GLOBE VALVES with Bronze Trim

JIS F7309 – 16 kgf/cm<sup>2</sup> Cast Iron Globe Valves  
 JIS F7377 – 16 kgf/cm<sup>2</sup> Cast Iron Screw-Down Check Globe Valves

Size	d	d <sub>1</sub>	L	D	C	No.	h	Bolt	t	H	I	D <sub>2</sub>	a	d <sub>6</sub>	d <sub>7</sub>	(kg)
50	50	58	220	155	120	8	19	M16	20	285	17 (15)	160	10	TW22	36	19.6
65	65	73	270	175	140	8	19	M16	22	310	22 (17)	200	11	TW24	38	28.3
80	80	88	300	200	160	8	23	M20	24	340	27 (20)	224	12	TW26	42	40.4
100	100	111	350	225	185	8	23	M20	26	385	33 (25)	250	13	TW30	48	56.9
125	125	138	430	270	225	8	25	M22	26	455	42 (31)	315	15	TW36	56	89.5
150	150	163	500	305	260	12	25	M22	28	510	50 (37)	355	16	TW42	66	123
200	200	213	570	350	305	12	25	M22	30	630	67 (—)	450	19	TW48	74	188

Unit: mm

( ) Lift of Check Valves



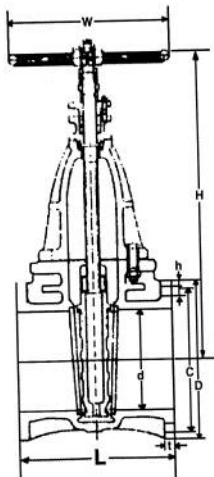
### CAST IRON ANGLE VALVES with Bronze Trim

JIS F7310 – 16 kgf/cm<sup>2</sup> Cast Iron Angle Valves  
 JIS F7378 – 16 kgf/cm<sup>2</sup> Cast Iron Screw-Down Check Angle Valves

Size	d	d <sub>1</sub>	L <sub>1</sub>	D	C	No.	h	Bolt	t	H	I	D <sub>2</sub>	a	d <sub>6</sub>	d <sub>7</sub>	(kg)
50	50	58	120	155	120	8	19	M16	20	255	17 (15)	160	10	TW22	36	18.0
65	65	73	130	175	140	8	19	M16	22	270	22 (17)	200	11	TW24	38	25.0
80	80	88	150	200	160	8	23	M20	24	295	27 (20)	224	12	TW26	42	35.7
100	100	111	170	225	185	8	23	M20	26	330	33 (25)	250	13	TW30	48	49.2
125	125	138	200	270	225	8	25	M22	26	390	42 (31)	315	15	TW36	56	76.1
150	150	163	225	305	260	12	25	M22	28	435	50 (37)	355	16	TW42	66	103
200	200	213	250	350	305	12	25	M22	30	540	67 (—)	450	19	TW48	74	155

Unit: mm

( ) Lift of Check Valves



### CAST IRON GATE VALVES with Bronze Trim

JIS F7369 – 16 kgf/cm<sup>2</sup> Cast Iron Gate Valves

Size	d	L	D	Flange			Bolt Size	t	H	W	Weight (kg)
				Bolt Hole							
				C	No.	h					
50	50	210	155	120	8	19	M16	20	300	140	19.5
65	65	240	175	140	8	19	M16	22	350	160	28
80	80	260	200	160	8	23	M20	24	400	180	35
100	100	290	225	185	8	23	M20	26	450	200	50
125	125	310	270	225	8	25	M22	26	520	250	70
150	150	330	305	260	12	25	M22	28	580	280	100
200	200	370	350	305	12	25	M22	30	700	355	150
250	250	430	430	380	12	27	M24	34	845	450	250
300	300	490	480	430	16	27	M24	36	1010	500	423
350	335	540	540	480	16	33	M30	38	1070	560	580
400	380	610	605	540	16	33	M30	42	1160	630	780

Unit: mm