



# JOYWELL

**Marine Valve**

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## Bronze Valves



Bronze Gate Valve  
F7367 5K



Bronze Gate Valve  
F7368 10K



Bronze Angle Valve  
F7304 16K



Bronze Angle Valve  
F7304 16K



Bronze Screw-down Check  
Globe Valve  
F7351 5K



Bronze Screw-down  
Check Angle Valve  
F7352 5K



Bronze Globe Valve  
F7388 S



Bronze Angle Valve  
F7389 20K



Bronze Angle Valve  
F7304 16K



Bronze Globe Valve  
F7303 16K



Fuel Oil Tank Emergency  
Shut-Off Valve  
F7399



Bronze Swing Check Valves  
F7371 5K



Bronze Fuel Oil Tank Self-  
closing Drain Valves  
F7398 U



Self-Closing Gate Valves  
for Sounding Pipe  
F3019



Bronze Cocks  
F7387 16K S



Bronze Screw-Down  
Check Globe Valves  
F7409 16K



Bronze Foot Valves



Bronze Globe Hose  
Valves

## Bronze Valves



Bronze Globe Hose Valves



Bronze Water Type Swing Check Valves



Self Closing Drain Valves



Flange Bronze Throttle Valves



Flange Bronze Ball Valves



Flange Y Type Strainers



Katup Manometer



Bronze Cock

## Cast Steel Valves



Cast Steel Gate Valves  
F7366 10K



Cast Steel Angle Valves  
F7320 10K



Cast Steel Globe Valves  
F7319 10K



Cast Steel Screw-Down  
Globe Valves  
F7471 10K



Cast Steel Screw-Down  
Check Angle Valves  
F7474 20K



Cast Steel Angle Valves  
F7314 20K



Cast Steel Globe Valves  
F7313 20K



Cast Steel Angle Storm  
Valves  
F3060 R



Cast Steel Storm Valves  
F3060



Shipboard Boiler Drain Valve



German Standard Quick-  
Closing Valve



German Standard Quick-  
Closing Valve



Fuel Oil Tank Emergency  
Shut-Off Valve  
F7399



Fuel Oil Tank Emergency  
Shut-Off Valve  
F7399

## Cast Iron Valves



Cast Iron Air Vent Head



Cast Iron Air Vent Head  
50A-80A



53-ON Air Pipe Head



Flange Cast Iron  
Safety Valves



Oil Tank Breather Valves



Box Valves



Flat Sight Glasses



Fire Ventilation  
Head



Aluminum Alloy  
Goose Neck Air Pipe  
Head



Cast Iron Foot  
Valves  
(Flange)



Cast Iron Foot  
Valves  
(Thread)



Cast Iron Globe Valves  
F7305 5K



Cast Iron Globe Valves  
F7307 10K



Cast Iron Screw-Down  
Check Globe Valves  
F7375 10K



Marine Mud Boxed  
F7203K



Cast Iron Y Type  
Strainers  
F7220



Cast Iron Swing  
Check Valve  
F7372 5K



Cast Iron Screw-Down  
Check Globe Valves  
F7353 5K

## Cast Iron Valves



Cast Iron Globe Valves  
F7307 10K



Cast Iron Gate Valves  
F7364 10K



Cast Iron Gate Valves  
F7363 5K



Cast Iron Gate Valves  
F7306 5K



Cast Iron Globe Valves  
F7309 16K



Cast Iron Screw-Down  
Check Angle Valves  
F7354 5K



Cast Iron Screw-Down  
Check Angle Valves  
F7376 10K



Deck Stands for  
Controlling Valves  
F3024



Simplex Oil Strainer  
F7209 S



Can Water Filters  
F7121 S

## SUS Valves



SUS Butterfly Check Valves



3-Way SUS Ball Valve



SUS Stop Valves



SUS Air Vent Head



SUS Y Type Strainers



SUS Y Ball Valves



SUS Y Safety Valves



Pressure/Vacuum Valve



Pressure/Vacuum Valve



SUS Gate Valve



SUS Lengthen  
Stop Valve

## Valve Series



Air Reducing Valve Group



Steam Reducing Valve Group



Air Reducing Valve Group



Thermostatic Steam Trap Group



Steam Trap Group

Sophisticated techniques, strict management and perfect quality system ensures high efficiency of raw materials purchasing, manufacture and sales, comparing with similar products, it obtains customers favor

## Butterfly Valves



Center Type  
Butterfly Valves  
(Spiral Type)



Center Type  
Butterfly Valves  
(Electric Type)



Double Eccentric  
Flange Type Butterfly  
(Lengthened)



Center Hydraulic Valves



Pneumatic Double  
Eccentric Butterfly



Center Handle Valves



Double Eccentric  
Flange Butterfly  
(Worm Type)



Center Double Flange  
Butterfly Valves  
(Worm Type)



Center Type  
Butterfly Valves  
(Worm Type)



Center Double  
Flange Butterfly  
Valves



Center Type  
Butterfly Valves



Center Type  
Butterfly Valves

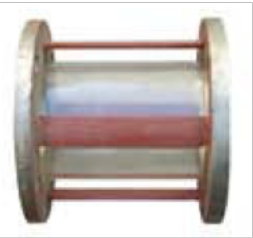


Marine Check  
Butterfly Valve



Manual Hydraulic Pump

## Others



Sleeve Type Liquid Flowing Observer



SUS Waveform Expansion Joint



Suction Crude Water Filter



Sea-Connecting Joint



Rubber Expansion Plug



Element of Transmission Gear for Small shaft



Sounding Joint



Gas-Water Separator



Gas-Water Separator



Suction Filter Screen



Deck Making Water Filter



Suction Port



Suction Port



Sprinklers



Rubber Expansion Plug



Flat Level Gauge



U-Tube Bracket



Rubber Compensation Takeover

# MARINE VALVE

F7305 Cast Iron 5K Globe Valves  
 F7307 Cast Iron 10K Globe Valves  
 F7309 Cast Iron 16K Globe Valves



## MATERIALS TABLE

NO	NAME OF PART	MATERIAL	
		CLASS B	CLASS S
1	BODY		FC200
2	BONNET		FC200
3	DISC	BC6	SUS420
4	VALVE SEAT	BC6	SUS420
5	STEM	C377IBD	OR BE SUS420
6	GLAND PACKING	BC6	
7	GASKET	NON-ASBESTOS	
8	HANDWHEEL		FC200

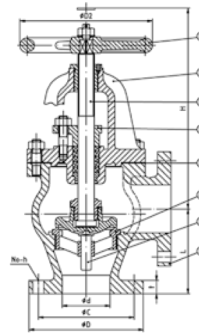
## SIZE TABLE(7305)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	210	130	105	4	15	16	270	160
65	65	250	155	130	4	15	18	300	180
80	80	280	180	145	4	19	18	310	180
100	100	340	200	165	8	19	20	360	224
125	125	410	235	200	8	19	20	390	250
150	150	480	265	230	8	19	22	445	280
200	200	570	320	280	8	23	24	530	315
250	250	740	385	345	12	23	26	650	355
300	300	840	430	390	12	23	28	740	400
350	335	940	480	435	12	25	30	840	500
400	380	1050	540	495	16	25	30	940	600

## SIZE TABLE(7309)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	220	155	120	8	19	20	285	160
65	65	270	175	140	8	19	22	310	200
80	80	300	200	160	8	23	24	340	224
100	100	350	225	185	8	23	26	385	250
125	125	430	270	225	8	25	26	455	315
150	150	500	305	260	12	25	28	510	355
200	200	570	350	305	12	25	30	630	450

F7306 Cast Iron 5K Angle Valves  
 F7308 Cast Iron 10K Angle Valves  
 JIS F7310 Cast Iron 16K Angle Valves



## MATERIALS TABLE

NO	NAME OF PART	MATERIAL	
		CLASS B	CLASS S
1	BODY		FC200
2	BONNET		FC200
3	DISC	BC6	SUS420
4	VALVE SEAT	BC6	SUS420
5	STEM	C377IBD	OR BE SUS420
6	GLAND PACKING	BC6	
7	GASKET	NON-ASBESTOS	
8	HANDWHEEL		FC200

## SIZE TABLE(7305)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	100	130	105	4	15	16	240	160
65	65	115	155	130	4	15	18	255	180
80	80	130	180	145	4	19	18	265	180
100	100	150	200	165	8	19	20	310	224
125	125	170	235	200	8	19	20	330	250
150	150	190	265	230	8	19	22	380	280
200	200	220	320	280	8	23	24	450	315
250	250	275	385	345	12	23	26	540	355
300	300	310	430	390	12	23	28	610	400
350	335	360	480	435	12	25	30	690	500
400	380	395	540	495	16	25	30	770	560

## SIZE TABLE(7309)

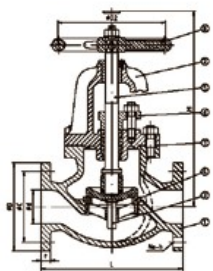
DN	d	L	D	C	NO.	h	t	H	D2
50	50	120	155	120	4	19	20	255	160
65	65	130	175	140	4	19	22	270	200
80	80	140	185	150	8	19	22	275	200
100	100	160	210	175	8	19	24	315	250
125	125	180	250	210	8	23	24	360	280
150	150	205	280	240	8	23	26	405	315
200	200	230	330	290	12	23	26	475	355
250	250	290	400	355	12	25	30	570	450
300	300	320	445	400	16	25	32	645	500
350	335	360	490	445	16	25	34	710	560
400	380	420	560	510	16	27	36	790	630

## SIZE TABLE(7309)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	120	155	120	8	19	20	255	160
65	65	130	175	140	8	19	22	270	200
80	80	150	200	160	8	23	24	295	224
100	100	170	225	185	8	23	26	330	250
125	125	200	270	225	8	25	26	390	315
150	150	225	305	260	12	25	28	435	355
200	200	250	350	305	12	25	30	540	450

# MARINE VALVE

F7353 Cast Iron 5K Screw-down Check Globe Valves  
 F7375 Cast Iron 10K Screw-down Check Globe Valves  
 JIS F7377 Cast Iron 16K Screw-down Check Globe Valves



## MATERIALS TABLE

NO	NAME OF PART	MATERIAL	
		CLASS B	CLASS S
1	BODY		FC200
2	BONNET		FC200
3	DISC	BC6	SUS420
4	VALVE SEAT	BC6	SUS420
5	STEM	C377IBD	OR BE SUS 420
6	GLAND PACKING	BC6	
7	GASKET	NON-ASBESTOS	
8	HANDWHEEL		FC200

## SIZE TABLE(7353)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	210	130	105	4	15	16	270	160
65	65	250	155	130	4	15	18	290	180
80	80	280	180	145	4	19	18	300	180
100	100	340	200	165	8	19	20	350	224
125	125	410	235	200	8	19	20	380	250
150	150	480	265	230	8	19	22	430	280
200	200	570	320	280	8	23	24	505	315
250	250	740	385	345	12	23	26	620	355
300	300	840	430	390	12	23	28	715	400
350	335	940	480	435	12	25	30	815	500
400	380	1050	540	495	16	25	30	905	600

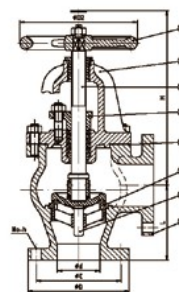
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DN	d	L	D	C	NO.	h	t	H	D2
50	50	220	155	120	4	19	20	285	160
65	65	270	175	140	4	19	22	305	200
80	80	300	185	150	8	19	22	315	200
100	100	350	210	175	8	19	24	360	250
125	125	420	250	210	8	23	24	410	280
150	150	490	280	240	8	23	26	455	315
200	200	570	330	290	12	23	26	530	355
250	250	740	400	355	12	25	30	645	450

## SIZE TABLE(7377)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	220	155	120	8	19	20	285	160
65	65	270	175	140	8	19	22	305	200
80	80	300	200	160	8	23	24	335	224
100	100	350	225	185	8	23	26	375	250
125	125	430	270	225	8	25	26	440	315
150	150	500	305	260	12	25	28	500	355
200	200	570	350	305	12	25	30	606	450

F7354 Cast Iron 5K Screw-down Check Angle Valves  
 F7376 Cast Iron 10K Screw-down Check Angle Valves  
 F7378 Cast Iron 16K Screw-JIS down Check Angle Valves



## MATERIALS TABLE

NO	NAME OF PART	MATERIAL	
		CLASS B	CLASS S
1	BODY		FC200
2	BONNET		FC200
3	DISC	BC6	SUS420
4	VALVE SEAT	BC6	SUS420
5	STEM	C377IBD	OR BE SUS 420
6	GLAND PACKING	BC6	
7	GASKET	NON-ASBESTOS	
8	HANDWHEEL		FC200

## SIZE TABLE(7354)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	100	130	105	4	15	16	240	160
65	65	115	155	130	4	15	18	245	180
80	80	130	180	145	4	19	18	255	180
100	100	150	200	165	8	19	20	300	224
125	125	170	235	200	8	19	20	320	250
150	150	190	265	230	8	19	22	365	280
200	200	220	320	280	8	23	24	425	315
250	250	275	385	345	12	23	26	510	355
300	300	310	430	390	12	23	28	585	400
350	335	360	480	435	12	25	30	660	500
400	380	395	540	495	16	25	30	730	560
450	430	440	605	555	16	25	30	835	630

## SIZE TABLE(7376)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	120	155	120	4	19	20	255	160
65	65	130	175	140	4	19	22	260	200
80	80	140	185	150	8	19	22	270	200
100	100	160	210	175	8	19	24	305	250
125	125	180	250	210	8	23	24	350	280
150	150	205	280	240	8	23	26	390	315
200	200	230	330	290	12	23	26	450	355
250	250	290	400	355	12	25	30	536	450

## SIZE TABLE(7378)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	120	155	120	8	19	20	255	160
65	65	130	175	140	8	19	22	260	200
80	80	150	200	160	8	23	24	290	224
100	100	170	225	185	8	23	26	320	250
125	125	200	270	225	8	25	26	375	315
150	150	225	305	260	12	25	28	425	355
200	200	250	350	305	12	25	30	521	450

# MARINE VALVE

F 7359 Cast Iron 5K Lift Check Angle Valves  
JIS 7358 Cast Iron 5K Lift Check Globe Valves

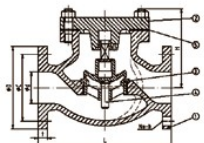


## MATERIALS TABLE

NO	NAME OF PART	MATERIAL	
		CLASS B	CLASS S
1	BODY		FC200
2	BONNET		FC200
3	DISC	BC6	SUS420
4	VALVE SEAT	BC6	SUS420
5	GASKET	NON-ASBESTOS	

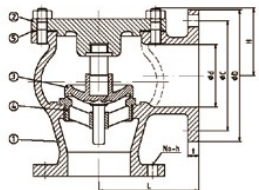
## SIZE TABLE(7358)

DN	d	L	D	C	NO.	h	t	H
50	50	210	130	105	4	15	16	107
65	65	250	155	130	4	15	18	124
80	80	280	180	145	4	19	18	129
100	100	340	200	165	8	19	20	146
125	125	410	235	200	8	19	20	166
150	150	480	265	230	8	19	22	188
200	200	570	320	280	8	23	24	212



## SIZE TABLE(7359)

DN	d	L	D	C	NO.	h	t	H
50	50	100	130	105	4	15	16	77
65	65	115	155	130	4	15	18	81
80	80	130	180	145	4	19	18	84
100	100	150	200	165	8	19	20	96
125	125	170	235	200	8	19	20	108
150	150	190	265	230	8	19	22	125
200	200	220	320	280	8	23	24	157
250	250	275	385	345	12	23	26	180



F7372 Cast Iron 5K Swing Check Valves  
F7373 Cast Iron JIS 10K Swing Check Valves

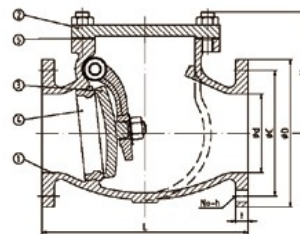


## MATERIALS TABLE

NO	NAME OF PART	MATERIAL	
		CLASS B	CLASS S
1	BODY		FC200
2	BONNET		FC200
3	DISC	BC6	SUS420
4	VALVE SEAT	BC6	SUS420
5	GASKET	NON-ASBESTOS	

## SIZE TABLE(7372)

DN	d	L	D	C	NO.	h	t	H
50	50	190	130	105	4	15	16	97
65	65	220	155	130	4	15	18	119
80	80	250	180	145	4	19	18	129
100	100	280	200	165	8	19	20	146
125	125	330	235	200	8	19	20	171
150	150	380	265	230	8	19	22	198
200	200	460	320	280	8	23	24	235
250	250	550	385	345	12	23	26	290
300	300	640	430	390	12	23	28	351



## SIZE TABLE(7373)

DN	d	L	D	C	NO.	h	t	H
50	50	210	155	120	4	19	20	109
65	65	240	175	140	4	19	22	126
80	80	270	185	150	8	19	22	136
100	100	300	210	175	8	19	24	153
125	125	350	250	210	8	23	24	180
150	150	400	280	240	8	23	26	205
200	200	480	330	290	12	23	26	242

# MARINE VALVE

F7363 Cast Iron 5K Gate Valves  
 F7364 Cast Iron 10K Gate Valves  
 JIS F7369 Cast Iron 16K Gate Valves



## MATERIALS TABLE

NO	NAME OF PART	MATERIAL
	CLASS B	CLASS S
1	BODY	FC200
2	BONNET	FC200
3	VALVE SEAT	BC6 SUS 420
4	VALVE SEAT	BC6 SUS 420
5	STEM	C377IBD OR BE SUS 420
6	GLAND PACKING	BC6
7	GASKET	NON-ASBESTOS
8	HANDWHEEL	FC200
9	DISC	FC200

## SIZE TABLE(7363)

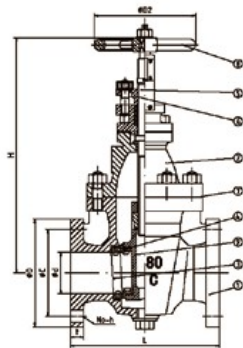
DN	d	L	D	C	NO.	h	t	H	D2
50	50	180	130	105	4	15	16	285	125
65	65	190	155	130	4	15	18	330	140
80	80	200	180	145	4	19	18	380	160
100	100	230	200	165	8	19	20	430	180
125	125	250	235	200	8	19	20	495	200
150	150	270	265	230	8	19	22	560	224
200	200	290	320	280	8	23	24	680	280
250	250	330	385	345	12	23	26	800	355
300	300	370	430	390	12	23	28	920	400
350	335	410	480	435	12	25	30	1000	450
400	380	470	540	495	16	25	30	1100	500
450	430	500	605	555	16	25	30	1420	560

## TABLE(7364)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	200	155	120	4	19	20	300	140
65	65	220	175	140	4	19	22	350	160
80	80	230	185	150	8	19	22	400	180
100	100	250	210	175	8	19	24	450	200
125	125	270	250	210	8	23	24	520	224
150	150	290	280	240	8	23	26	580	250
200	200	320	330	290	12	23	26	700	315
250	250	380	400	355	12	25	30	840	400
300	300	440	445	400	16	25	32	960	450
350	335	500	490	445	16	25	34	1050	500
400	380	590	560	510	16	27	36	1150	560
450	430	640	620	565	20	27	38	1491	630

## SIZE TABLE(7369)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	200	155	120	8	19	20	300	140
65	65	220	175	140	8	19	22	350	160
80	80	230	200	160	8	23	24	400	180
100	100	250	225	185	8	23	26	450	200
125	125	270	270	225	8	25	26	520	224
150	150	290	305	260	12	25	28	580	250
200	200	320	350	305	12	25	30	700	315



F7333 Cast Iron Globe Hose Valves  
 F7333 Cast JIS Iron Angle Hose Valves



## MATERIALS TABLE

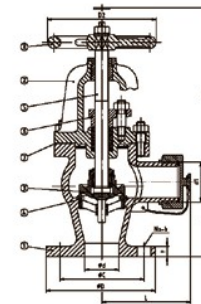
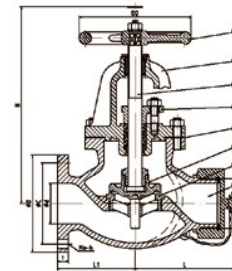
NO	NAME OF PART	MATERIAL
	CLASS B	CLASS S
1	BODY	FC200
2	BONNET	FC200
3	DISC	BC6 SUS 420
4	VALVE SEAT	BC6 SUS 420
5	STEM	C377IBD OR BE SUS 420
6	GLAND PACKING	BC6
7	GASKET	NON-ASBESTOS
8	HANDWHEEL	FC200

## SIZE TABLE(7333)

DN	d	L	D	C	NO.	h	t	H	D2	L1	d2
5K50	50	165	130	105	4	15	16	270	160	105	M64×2
10K50	50	170	155	120	4	19	20	285	160	110	M64×2
10K65	65	200	175	140	4	19	22	310	200	135	M80×2

## SIZE TABLE(7333)

DN	d	L	D	C	NO.	h	t	H	D2	L1	d1
5K50	50	155	130	105	4	15	16	240	160	100	M64×2
10K50	50	170	155	120	4	19	20	255	160	120	M64×2
10K65	65	185	175	140	4	19	22	270	200	130	M80×2



## F7220 Cast Iron Y Type Strainer

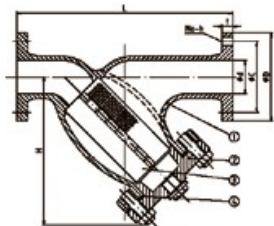


### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	FC200
2	BONNET	FC200
3	STRAINER	SUS304
4	GASKET	NON-ASBESTOS

### SIZE TABLE(7220)

DN	d	L	D	C	NO.	h	t	H
20	20	200	85	65	4	12	14	127
25	25	225	95	75	4	12	14	155
32	32	260	115	90	4	15	16	164
40	40	280	120	95	4	15	16	180
50	50	320	130	105	4	15	16	208
65	65	350	155	130	4	15	18	253
80	80	373	180	145	4	19	18	268
100	100	390	200	165	8	19	20	286
125	125	410	235	200	8	19	20	295
150	150	430	265	230	8	19	20	318



## F7203 Marine Mud Boxes L Type

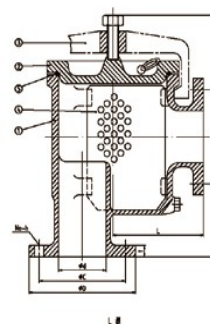


### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	FC200
2	BONNET	FC200
3	COVER PUSH	FCD400
4	STRAINER	SS400
5	O-RING	NBR

### SIZE TABLE(7203)

DN	d	L	D	C	NO.	h	t	H
5K50	50	120	130	105	4	15	16	299
5K65	65	150	155	130	4	15	18	341
5K80	80	160	180	145	4	19	18	375
5K100	100	190	200	165	8	19	20	441
10K50	50	120	155	120	4	19	20	299
10K65	65	150	175	140	4	19	22	341
10K80	80	160	185	150	8	19	22	375
10K100	100	190	210	175	8	19	24	441



## F7121 Shipbuilding-Can Water Filters

### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	FC200
2	BONNET	FC200
3	COVER PUSH	FCD400
4	STRAINER	SUS304
5	GASKET	NBR

### SIZE TABLE(7363)

#### S Type

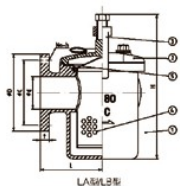
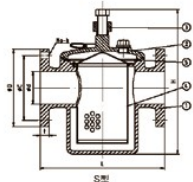
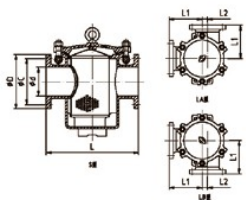
DN	d	L	D	C	NO.	h	t	H
25	25	170	95	75	4	12	14	191
32	32	190	115	90	4	15	16	218
40	40	190	120	95	4	15	16	218
50	50	200	130	105	4	15	16	239
65	65	250	155	130	4	15	18	306
80	80	270	180	145	4	19	18	341
100	100	320	200	165	8	19	20	401

#### L Type

DN	d	L	D	C	NO.	h	t	H
25	25	170	95	75	4	12	14	191
32	32	190	115	90	4	15	16	218
40	40	190	120	95	4	15	16	218
50	50	200	130	105	4	15	16	239
65	65	250	155	130	4	15	18	306
80	80	270	180	145	4	19	18	341
100	100	320	200	165	8	19	20	401

### SIZE TABLE(7121)

DN	d	L	D	C	NO.	h	t	H	L2
5K125	235	400	200	200	8	19	20	485	30
10K125	250	400	200	210	8	23	24	485	30
5K150	265	460	230	230	8	19	22	575	35
10K150	280	460	230	240	8	23	26	575	35
5K200	320	550	275	280	8	23	24	665	50
10K200	330	550	275	290	12	23	26	665	50



## F7209 Shipbuilding-simplex Oil Strainers

### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	FC200
2	BONNET	FC200
3	COVER PUSH	FCD400
4	STRAINER	SS400
5	O-RING	NBR

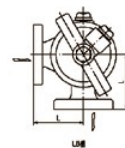
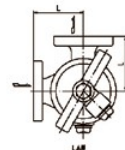
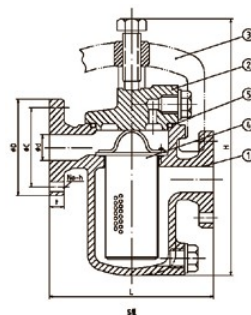
### SIZE TABLE(7209)

#### S Type

DN	d	L	D	C	NO.	h	t	H
5K20	25	190	85	65	4	12	14	240
5K25	25	190	95	75	4	12	14	240
10K25	25	190	125	90	4	19	18	240
5K32	32	260	115	90	4	15	16	328
10K32	32	260	135	100	4	19	20	328
5K40	40	260	120	95	4	15	16	328
10K40	40	260	140	105	4	19	20	328
5K50	50	280	130	105	4	15	16	405
10K50	50	280	155	120	4	19	20	405
5K65	65	340	155	130	4	15	18	495
10K65	65	340	175	140	4	19	22	495
5K80	80	370	180	145	4	19	18	525
10K80	80	370	185	150	8	19	22	525
5K100	100	420	200	165	8	19	20	651
10K100	100	420	210	175	8	19	24	651

#### L Type

DN	d	L	D	C	NO.	h	t	H
5K25	25	195	95	75	4	12	14	240
10K25	25	95	125	90	4	19	18	240
5K32	32	130	115	90	4	15	16	328
10K32	32	130	135	100	4	19	20	328
5K40	40	130	120	95	4	15	16	328
10K40	40	130	140	105	4	19	20	328
5K50	50	140	130	105	4	15	16	405
10K50	50	140	155	120	4	19	20	405
5K65	65	170	155	130	4	15	18	495
10K65	65	170	175	140	4	19	22	495
5K80	80	185	180	145	4	19	18	525
10K80	80	185	185	150	8	19	22	525
5K100	100	210	200	165	8	19	20	651
10K100	100	210	210	175	8	19	24	651



# MARINE VALVE

## Cast Iron Air Vent Head

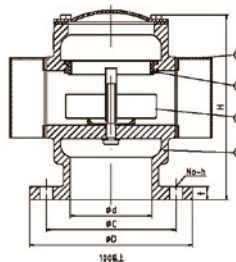
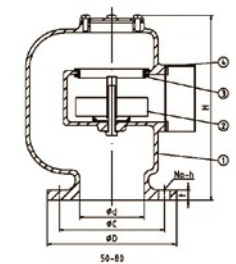


### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	FC200
2	FLOAT	SUS316
3	PACKING	NBR
4	STRAINER	SS400

### SIZE TABLE

DN	d	D	C	NO.	h	t	H
50	50	130	105	4	15	14	175
65	65	155	130	4	15	14	204
80	80	180	145	4	19	14	244
100	100	200	165	8	19	16	220
125	125	235	200	8	19	16	250
150	150	265	230	8	19	18	285
200	200	320	280	8	23	20	365
250	250	385	345	12	23	22	430
300	300	430	390	12	23	22	530
350	335	480	435	12	25	24	570
400	380	540	495	16	25	24	640
450	430	605	555	16	25	24	713



## 53-ON AIR PIPE HEAD

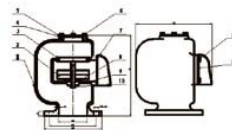


### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
		CLA SS
1	BODY	FC200
2	FLOAT	SS316
3	RUBBER RING	NBR
4	GASKET	ASBESTOS FREE
5	COVER	SS400
6	HEX BOLT	SS304
7	SCREEN COVER	SS304
8	RUBBER CUSHION	NBR
9	CUSHION	SS304
10	GUIDE BOLT	SS304
11	HEX BOLT	SS304
12	FILTER	SS400

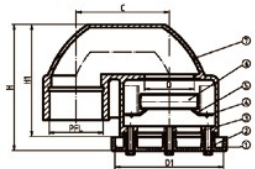
### SIZE TABLE(53-ON)

DN	d	D	C	NO-H	t	a	H	H1
50	50	130	105	4-15	14	7	184	176
65	65	155	130	4-15	14	7	204	203
80	80	180	145	4-19	14	7	225	238
100	100	200	165	8-19	16	8	265	271
125	125	235	200	8-19	16	8	304	323
150	150	265	230	8-19	18	9	339	378
200	200	320	280	8-23	18	9	434	493



# MARINE VALVE

## Aluminum Alloy Goose Neck Air Pipe Heads



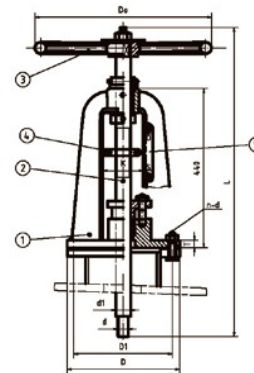
### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
		C LASS
1	BONNET	AC7A
2	BONNET BOLT	CARBON STEEL
3	SIEVE	52S
4	BOLT	CARBON STEEL
5	TIE STRAP	52S
6	FLOAT	ABS
7	BODY	AC7A

### SIZE TABLE

DN	D	D1	H1	H	C	Kg
40	40	92.5	90	102	105	0.8
50	50	117	112.5	127.5	125	1.2
65	65	150	146.5	165.5	135	2.2
80	80	185	180	203	150	3.2
100	100	231.5	225	254	180	4.8

## 53-ON AIR PIPE HEAD



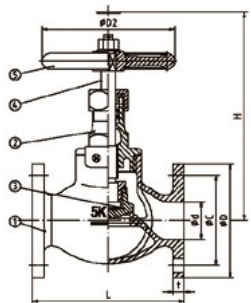
### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
		CLA SS
1	BODY	FC200
2	STEM	SS420
3	RUBBER RING	FC200
4	INDICATOR	H62
5	STAFF	H62

### SIZE TABLE(3024)

DN	D	D1	L	T	d	d1	n-d	Do	Weight ( KG )
25	265	230	840	18	25	34	8-19	280	42
32	320	280	854	20	32	40	8-23	400	50
42	320	280	861.5	20	42	46	8-23	500	58

## F7301 Bronze 5K Globe Valves F7303 Bronze 16K Globe Valves



### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GASKET	NON-ASBESTOS
6	HANDWHEEL	FC200

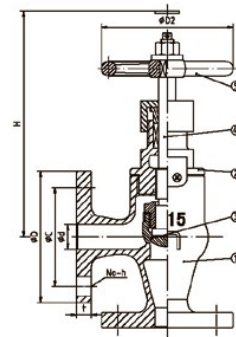
### SIZE TABLE(7301)

DN	d	L	D	C	NO.	h	t	h	t
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
65	65	250	155	130	4	15	14	260	160
80	80	280	180	145	4	19	16	280	160
100	100	340	200	165	8	19	18	333	200

### SIZE TABLE(7303)

DN	d	L	D	C	NO.	h	t	h	t
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
50	50	210	155	120	8	19	14	233	140

## F7302 Bronze 5K Angle Valves F7304 Bronze 16K Angle Valves



### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GASKET	NON-ASBESTOS
6	HANDWHEEL	FC200

### SIZE TABLE(7302)

DN	d	L	D	C	NO.	h	t	H	D2
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
65	65	115	155	130	4	15	14	220	160

### SIZE TABLE(7304)

DN	d	L	D	C	NO.	h	t	H	D2
15	15	70	95	70	4	15	12	120	80
20	20	75	100	75	4	15	14	125	100
25	25	85	125	90	4	19	14	140	125
32	32	95	135	100	4	19	16	145	125
40	40	100	140	105	4	19	16	160	140

# MARINE VALVE

F7351 Bronze 5K Screw-down Check Globe Valves  
F7409 Bronze 16K Screw-down Check Globe Valves



## MATERIALS TABLE

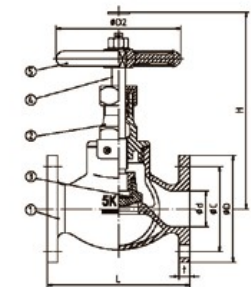
NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GASKET	NON-ASBESTOS
6	HANDWHEEL	FC200

## SIZE TABLE(7351)

DN	d	L	D	C	NO.	h	t	H	D2
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	155	125
32	32	140	115	90	4	15	12	165	125
40	40	160	120	95	4	15	12	185	140
50	50	210	130	105	4	15	14	229	140
65	65	250	155	130	4	15	14	250	160
80	80	280	180	145	4	19	16	270	160

## SIZE TABLE(7409)

DN	d	L	D	C	NO.	h	t	H	D2
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	155	125
32	32	160	135	100	4	19	16	165	125
40	40	180	140	105	4	19	16	185	140
50	50	210	155	120	8	19	14	229	140



F7352 Bronze 5K Screw-down Check Angle Valves  
F7410 Bronze 16K Screw-down Check Angle Valves



## MATERIALS TABLE

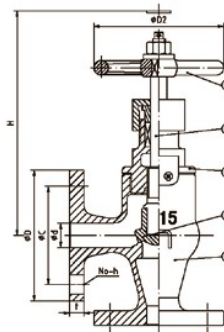
NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GASKET	NON-ASBESTOS
6	HANDWHEEL	FC200

## SIZE TABLE(7302)

DN	d	L	D	C	NO.	h	t	H	D2
15	15	55	80	60	4	12	9	120	80
20	20	60	85	65	4	12	10	125	100
25	25	65	95	75	4	12	10	140	125
32	32	80	115	90	4	15	12	145	125
40	40	85	120	95	4	15	12	160	140
50	50	100	130	105	4	15	14	197	140
65	65	115	155	130	4	15	14	209	160

## SIZE TABLE(7410)

DN	d	L	D	C	NO.	h	t	H	D2
15	15	70	95	70	4	15	12	120	80
20	20	75	100	75	4	15	14	125	100
25	25	85	125	90	4	19	14	140	125
32	32	95	135	100	4	19	16	145	125
40	40	100	140	105	4	19	16	160	140



# MARINE VALVE

Class 150 Bronze 5K Globe Valves Open/close Indicator  
Class 150 Bronze 10K Globe Valves Open/close Indicator



## MATERIALS TABLE

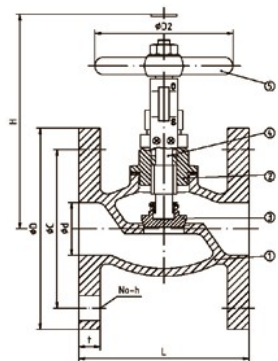
NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GASKET	NON-ASBESTOS
6	HANDWHEEL	FC200

## SIZE TABLE(5K)

DN	d	L	D	C	NO.	h	t	H	D2
15	15	60	80	60	4	12	8	77	50
20	20	70	85	65	4	12	9	88	65
25	25	80	95	75	4	12	10	89	65
32	32	100	115	90	4	15	11	110	80
40	40	100	120	95	4	15	12	126	80
50	50	120	130	105	4	15	13	139	100
65	65	140	155	130	4	15	13	154	125
80	80	160	180	145	4	19	16	178	140

## SIZE TABLE(10K)

DN	d	L	D	C	NO.	h	t	H	D2
15	15	60	95	70	4	12	8	77	50
20	20	70	100	75	4	15	9	88	65
25	25	80	125	90	4	19	10	89	65
32	32	100	135	100	4	19	11	110	80
40	40	100	140	105	4	19	12	126	80
50	50	120	155	120	4	19	13	139	100
65	65	140	175	140	4	19	13	154	125



Class 150 Bronze 5K SDNR Globe Valves Open/close Indicator  
Class 150 Bronze 10K SDNR Globe Valves Open/close Indicator



## MATERIALS TABLE

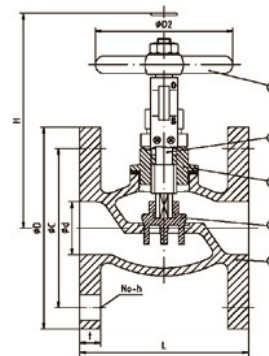
NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GASKET	NON-ASBESTOS
6	HANDWHEEL	FC200

## SIZE TABLE(5K)

DN	d	L	D	C	NO.	h	t	H	D2
15	15	60	80	60	4	12	8	75.5	50
20	20	70	85	65	4	12	9	82.5	65
25	25	80	95	75	4	12	10	88.5	65
32	32	100	115	90	4	15	11	109	80
40	40	100	120	95	4	15	12	121	80
50	50	120	130	105	4	15	13	142	100
65	65	140	155	130	4	15	13	154	125
80	80	160	180	145	4	19	16	175	140

## SIZE TABLE(7304)

DN	d	L	D	C	NO.	h	t	H	D2
15	15	60	95	70	4	12	8	75.7	50
20	20	70	100	75	4	15	9	82.5	65
25	25	80	125	90	4	19	10	88.5	65
32	32	100	135	100	4	19	11	110	80
40	40	100	140	105	4	19	12	121	80
50	50	120	155	120	4	19	13	142	100
65	65	140	175	140	4	19	13	154	125



Class 150 Bronze 5K Gate Valves Open/close Indicator  
 JIS Class 150 Bronze 10K Gate Valves Open/close Indicator



### MATERIALS TABLE

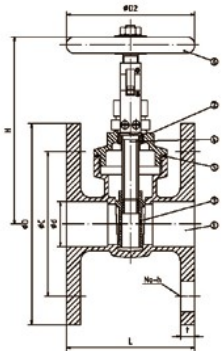
NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	C3771BD OR BE
3	DISC	C3771BD OR BE
4	STEM	C3771BD OR BE
5	GASKET	NON-ASBESTOS
6	HANDWHEEL	FC200

### SIZE TABLE(5K)

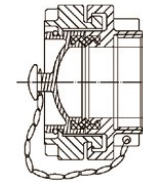
DN	d	L	D	C	NO.	h	t	H	D2
15	20	80	80	60	4	12	9	109	80
20	25	80	85	65	4	12	9	110	80
25	25	80	95	75	4	12	9	110	80
32	39	101	115	90	4	15	11	142	100
40	39	101	120	95	4	15	11	142	100
50	50	116	130	105	4	15	12	167	125
65	62	128	155	130	4	15	13	195	125
80	74	144	180	145	4	19	15	218	140
100	100	166	200	165	8	19	15	271	180

### SIZE TABLE(10K)

DN	d	L	D	C	NO.	h	t	H	D2
15	20	80	95	70	4	12	9	109	80
20	25	80	100	75	4	15	9	110	80
25	25	80	125	90	4	19	9	110	80
32	39	101	135	100	4	19	11	142	100
40	39	101	140	105	4	19	11	142	100
50	50	116	155	120	4	19	12	167	125
65	62	128	175	140	4	19	13	195	125
80	74	144	185	150	8	19	15	218	140
100	100	166	210	175	8	19	15	271	180



Class 150 Flange JIS Bronze Ball Valves



DIN86204  
 DIN86206  
 DIN86202  
 GB2031

### SIZE TABLE

DN	d	L	D	C	n-φh	t
5K15	12.5	76	80	60	4-φ12	11
K520	15	74	85	65	4-φ12	11.5
5K25	20	78	95	75	4-φ12	11.5
5K32	32	100	115	90	4-φ15	13.5
5K40	32	100	120	95	4-φ15	13.5
10K15	12.5	76	95	70	4-φ15	11
10K20	15	74	100	75	4-φ15	11.5
10K25	20	78	125	90	4-φ19	11.5
10K32	32	100	135	100	4-φ19	13.5
10K40	32	100	140	105	4-φ19	13.5
10K50	40	108	155	120	4-19	16
10K65	50	112	175	140	4-19	18
16K50	40	108	155	120	8-19	16
16K65	50	112	175	140	8-19	18

## F7367 Bronze 5K Rising Stem Type Gate Valves F7368 Bronze 10K Rising Stem Type Gate Valves



### MATERIALS TABLE

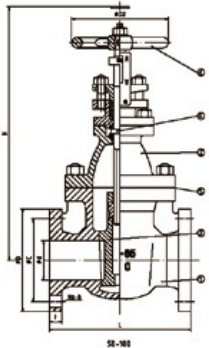
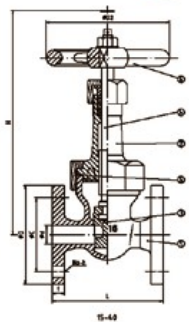
NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GASKET	NON-ASBESTOS
6	HANDWHEEL	FC200

### SIZE TABLE(7367)

DN	d	L	D	C	NO.	h	t	H	D2
15	15	90	80	60	4	12	9	175	80
20	20	100	85	65	4	12	10	200	80
25	25	110	95	75	4	12	10	220	100
32	32	130	115	90	4	15	12	250	100
40	40	140	120	95	4	15	12	290	125
50	50	180	130	105	4	15	16	282	125
65	65	190	155	130	4	15	18	302	140
80	80	200	180	145	4	19	18	335	160
100	100	230	200	165	8	19	18	375	180

### SIZE TABLE(7368)

DN	d	L	D	C	NO.	h	t	H	D2
15	15	100	95	70	4	15	12	175	80
20	20	110	100	75	4	15	14	200	80
25	25	120	125	90	4	19	14	220	100
32	32	140	135	100	4	19	16	250	100
40	40	150	140	105	4	19	16	290	125
50	50	200	155	120	4	19	16	282	125
65	65	220	175	140	4	19	18	302	140



## F7381 Bronze 5K Flanged Cocks Valves

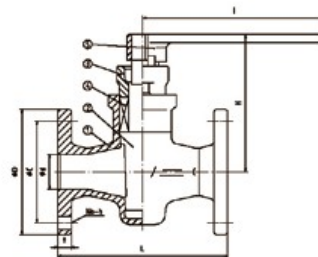


### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	PLUG	BC6
3	GLAND PACKING	BC6
4	PACKING	FLEXIBLE GRAPHITE
5	HANDLE	FCMB30

### SIZE TABLE(7381)

DN	d	L	D	C	NO.	h	t	H	I
25	25	130	95	75	4	12	10	105	160
32	32	160	115	90	4	15	12	125	180
40	40	170	120	95	4	15	12	135	190
50	50	190	130	105	4	15	14	163	200
65	65	220	155	130	4	15	14	201	250



## F7371 Bronze 5K Swing Check Valves

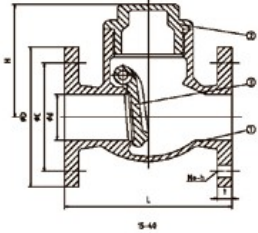


### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	GASKET	NON-ASBESTOS

### SIZE TABLE(7371)

DN	d	L	D	C NO.	h	t	H	
5K15	15	110	80	60	4	12	10	69
5K20	20	110	85	65	4	12	10	69
5K25	25	110	95	75	4	12	10	69
5K32	32	130	115	90	4	15	12	79
5K40	40	140	120	95	4	15	12	93
10K15	15	110	95	70	4	15	10	69
10K20	20	110	100	75	4	15	10	69
10K25	25	110	125	90	4	19	10	69
10K32	32	130	135	100	4	19	12	79
10K40	40	140	140	105	4	19	12	93



## F7371 Bronze 5K Swing Check Valves

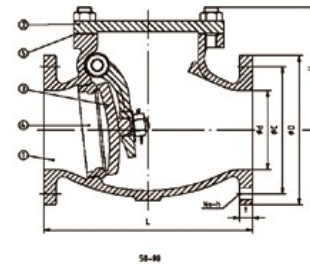


### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	VALVE SEAT	BC6
5	GASKET	NON-ASBESTOS

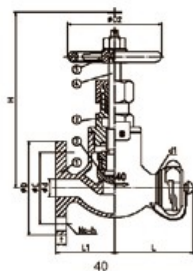
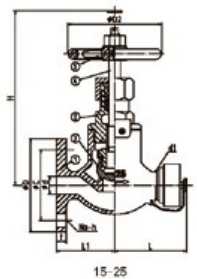
### SIZE TABLE(7371)

DN	d	L	D	C NO.	h	t	H	
5K50	50	190	130	105	4	15	16	97
5K65	65	220	155	130	4	15	18	119
5K80	80	250	180	145	4	19	18	129



# MARINE VALVE

## F7334 Bronze Globe Hose Valves



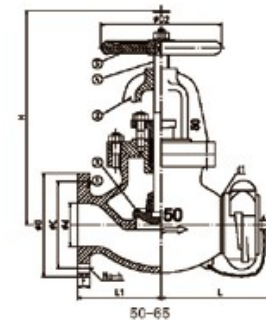
### MATERIALS TABLE(15-40)

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GASKET	NON-ASBESTOS
6	HANDWHEEL	FC200

### SIZE TABLE(15-40)

DN	d	L	D	C	NO.	h	t	H	D2	L1	d1
5K15	15	73	80	60	4	12	9	130	80	50	M42×2
10K15	15	73	95	70	4	15	12	130	80	55	M42×2
5K25	25	78	95	75	4	12	10	160	125	60	M42×2
10K25	25	83	125	90	4	19	14	160	125	65	M42×2
5K40	40	129	120	95	4	15	12	190	140	80	M52×2
10K40	40	134	140	105	4	19	16	190	140	90	M52×2

## F7334 Bronze JIS Globe Hose Valves



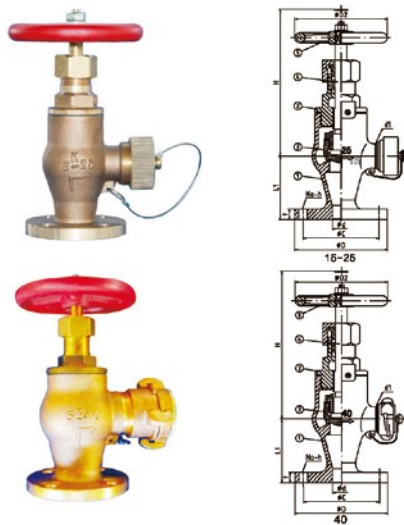
### MATERIALS TABLE(50-65)

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GLAND PACKING	BC6
6	GASKET	NON-ASBESTOS
7	HANDWHEEL	FC200

### SIZE TABLE(50-65)

DN	d	L	D	C	NO.	h	t	H	D2	L1	d1
5K50	50	160	130	105	4	15	14	270	160	105	M64×2
10K50	50	165	155	120	4	19	16	285	160	110	M64×2
10K65	65	200	175	140	4	19	18	310	200	135	M80×2

## F7334 Bronze Hose Angle Valves



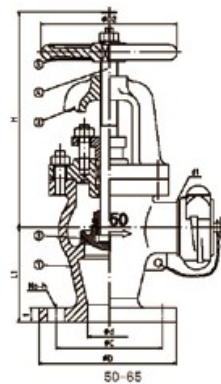
### MATERIALS TABLE(15-40)

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GASKET	NON-ASBESTOS
6	HANDWHEEL	FC200

### SIZE TABLE(15-40)

DN	d	L	D	C	NO.	h	t	H	D2	L1	d1
5K15	15	68	80	60	4	12	9	120	80	55	M42×2
10K15	15	73	95	70	4	15	12	120	80	70	M42×2
5K25	25	78	95	75	4	12	10	145	125	65	M42×2
10K25	25	83	125	90	4	19	14	145	125	85	M42×2
5K40	40	124	120	95	4	15	12	165	140	85	M52×2
10K40	40	124	140	105	4	19	16	165	140	100	M52×2

## F7334 BronzeHose Angle Valves



### MATERIALS TABLE (50-65)

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GLAND PACKING	BC6
6	GASKET	NON-ASBESTOS
7	HANDWHEEL	FC200

### SIZE TABLE (50-65)

DN	d	L	D	C	NO.	h	t	H	D2	L1	d1
5K50	50	155	130	105	4	15	14	240	160	100	M64×2
10K50	50	160	155	120	4	19	16	255	160	120	M64×2
10K65	65	180	175	140	4	19	18	270	200	130	M80×2

## F7220Q Bronze Y Type Strainer



### MATERIALS TABLE

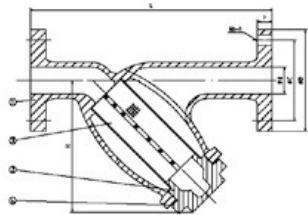
NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	STRAINER	SUS304
4	GASKET	NON-ASBESTOS

### SIZE TABLE(F7220Q)

DN	d	L	D	C	NO.	h	t	H
5K15	25	165	80	60	4	12	9	86
5K20	25	165	85	65	4	12	10	86
5K25	25	165	95	75	4	12	10	86
5K32	40	170	115	90	4	15	12	106
5K40	40	170	120	95	4	15	12	106
5K80	80	373	180	145	4	19	18	266

### SIZE TABLE(F7220Q)

DN	d	L	D	C	NO.	h	t	H
10K/16K15	25	165	95	70	4	12	12	86
10K/16K20	25	165	100	75	4	15	14	86
10K/16K25	25	165	125	90	4	19	14	86
10K/16K32	40	170	135	100	4	19	16	106
10K/16K40	40	170	140	105	4	19	16	106



## F3019 Self-closing Gate Valve Heads For Sounding Pipe

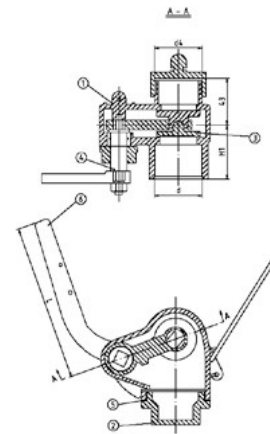


### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	GASKET	NON-ASBESTOS
6	HANDWHEEL	BC6

### SIZE TABLE

DN	d	d4	H1	L
40	G11/2	G11/2	54	160
50	G2	G2	60	160



## F7398 Shipbuilding-fuel Oil Tank Self-closing Drain Valves U/F Type



### MATERIALS TABLE

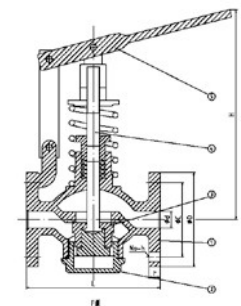
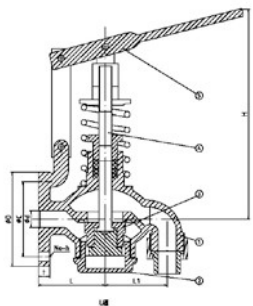
NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	STEM	C3771BD OR BE
5	HANDLE	SS400

### SIZE TABLE(7398U MODEL)

DN	d	L	D	C	NO.	h	T	H	L1
5K15U	15	55	80	60	4	12	9	179	55
10K15U	15	55	95	70	4	15	12	179	55
5K20U	20	65	85	65	4	12	10	187	65
10K20U	20	65	100	75	4	15	14	187	65
5K25U	25	65	95	75	4	12	10	187	65
10K25U	25	65	125	90	4	19	14	187	65
5K40U	40	90	120	95	4	15	12	229	100
5K65U	65	135	155	130	4	15	14	252	160

### SIZE TABLE(7398F MODEL)

DN	d	L	D	C	NO.	h	t	H
5K15F	15	110	80	60	4	12	9	179
5K20F	20	130	85	65	4	12	10	187
10K20F	20	130	100	75	4	15	14	187
5K40F	40	180	120	95	4	15	12	229



## F7399 Fuel Oil Tank Emergency Shut-off Valves

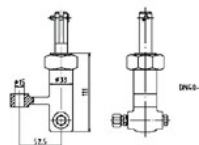
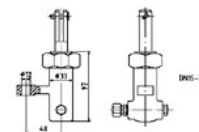
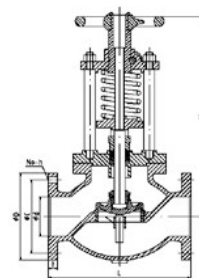


### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	DISC	BC6
4	VALVE SEAT	BC6
5	STEM	C3771BD OR BE
6	OPERATING SPINDLE	SUS403
7	GASKET	NON-ASBESTOS
8	HANDWHEEL	FC200

### SIZE TABLE(7399)

DN	d	L	D	C	NO.	h	T	H	D1
5K15	15	120	80	60	4	12	9	268	120
5K20	20	120	85	65	4	12	10	268	120
5K25	25	120	95	75	4	12	10	268	120
5K40	40	160	120	95	4	15	12	302	140
5K50	50	210	130	105	4	15	14	316	140
5K65	65	250	155	130	4	15	14	391	180
5K80	80	280	180	145	4	19	18	416	180
10K15	15	130	95	70	4	15	12	268	120
10K20	20	130	100	75	4	15	14	268	120
10K25	25	130	125	90	4	19	14	268	120
10K40	40	170	140	105	4	19	16	302	140
10K50	50	220	155	120	4	19	16	316	140
10K65	65	270	175	140	4	19	18	391	180
10K80	80	300	185	150	8	19	18	416	180



## F7388 Bronze 20K Globe Valves S/U Type



### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	BC6
2	BONNET	BC6
3	STEM	C3771BD OR BE
4	HANDWHEEL	FC200

### SIZE TABLE(S Type)

DN	COOPER PIPE	K	L2	L1	H1	H2	H	M	D2
6	φ10	12	32	32	30	22	100	M20×1.5	65
10	φ15	16	35	36	33	29	115	M24×2	80

### SIZE TABLE(U Type)

DN	COOPER PIPE	K	L2	L1	H1	H2	H	M	D2
6	φ10	12	32	32	30	22	100	-	65
10	φ15	16	35	36	33	29	115	-	80

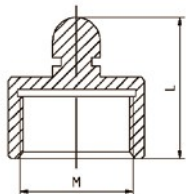
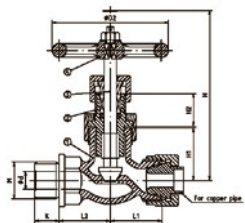
### Brass Bonnet Measurement

### MATERIALS TABLE

NO	NAME OF PART	MATERIAL
1	BODY	ZCuZn40Pb2

### SIZE TABLE

DN	d	L
32	G1 1/4	50
40	G1 1/2	50
50	G2	50
65	G2 1/2	56
80	G3	56



## F7311 Cast Steel 5K Globe Valves F7319 Cast Steel 10K Globe Valves F7313 Cast Steel 20K Globe Valves



### MATERIALS TABLE

NO	NAME OF PART	CLASS B	MATERIAL CLASS S
1	BODY		SC450
2	BONNET		SC450
3	DISC	BC6	SUS 420
4	VALVE SEAT	BC6	SUS 420
5	STEM	C3771BD	OR BE SUS 420
6	GLAND PACKING		BC6
7	GASKET		NON-ASBESTOS
8	HANDWHEEL		FC200

### SIZE TABLE(7311)

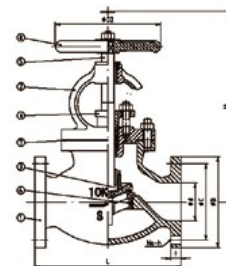
DN	d	L	D	C	NO.	h	t	H	D2
50	50	210	130	105	4	15	14	270	160
65	65	250	155	130	4	15	14	300	180
80	80	280	180	145	4	19	16	310	180
100	100	340	200	165	8	19	16	360	224
125	125	410	235	200	8	19	16	390	250
150	150	480	265	230	8	19	18	445	280
200	200	570	320	280	8	23	20	530	315
250	250	740	385	345	12	23	22	650	355
300	300	840	430	390	12	23	24	740	400

### SIZE TABLE(7319)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	220	155	120	4	19	16	270	160
65	65	270	175	140	4	19	18	300	200
80	80	300	185	150	8	19	18	310	200
100	100	350	210	175	8	19	18	355	250
125	125	420	250	210	8	23	20	415	280
150	150	490	280	240	8	23	22	470	315
200	200	570	330	290	12	23	22	565	355
250	250	740	400	355	12	25	24	645	400
300	300	840	445	400	16	25	24	735	450

### SIZE TABLE(7319)

DN	d	L	D	C	NO.	h	t	H	D2
32	32	190	135	100	4	19	18	270	160
40	40	200	140	105	4	19	18	290	160
50	50	230	155	120	8	19	18	305	200
65	65	270	175	140	8	19	20	345	224
80	80	300	200	160	8	23	22	385	250
100	100	350	225	185	8	23	24	440	280
125	125	430	270	225	8	25	26	500	315
150	150	500	305	260	12	25	28	550	355
200	200	560	350	305	12	25	30	630	450
250	250	660	430	380	12	27	34	725	560



# MARINE VALVE

F7311C Cast Steel 5K Screw-down Check Globe Valves  
 F7471 Cast Steel 10K Screw-down Check Globe Valves  
 F7473 Cast Steel 20K Screw-down Check Globe Valves



SIZE TABLE(7311C)

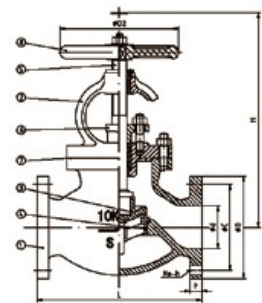
DN	d	L	D	C	NO.	h	t	H	D2
50	50	210	130	105	4	15	14	270	160
65	65	250	155	130	4	15	14	290	180
80	80	280	180	145	4	19	16	300	180
100	100	340	200	165	8	19	16	350	224
125	125	410	235	200	8	19	16	380	250
150	150	480	265	230	8	19	18	430	280
200	200	570	320	280	8	23	20	505	315
250	250	740	385	345	12	23	22	620	355
300	300	840	430	390	12	23	24	715	400

SIZE TABLE(7471)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	220	155	120	4	19	16	265	160
65	65	270	175	140	4	19	18	295	200
80	80	300	185	150	8	19	18	300	200
100	100	350	210	175	8	19	18	345	250
125	125	420	250	210	8	23	20	405	280
150	150	490	280	240	8	23	22	455	315
200	200	570	330	290	12	23	22	545	355
250	250	740	400	355	12	25	24	645	400
300	300	840	445	400	16	25	24	735	450

SIZE TABLE(7473)

DN	d	L	D	C	NO.	h	t	H	D2
32	32	190	135	100	4	19	18	265	160
40	40	200	140	105	4	19	18	280	160
50	50	230	155	120	8	19	18	295	200
65	65	270	175	140	8	19	20	330	224
80	80	300	200	160	8	23	22	370	250
100	100	350	225	185	8	23	24	420	280
125	125	430	270	225	8	25	26	475	315
150	150	500	305	260	12	25	28	525	355
200	200	560	350	305	12	25	30	605	450
250	250	660	430	380	12	27	34	700	560



## MATERIALS TABLE

NO	NAME OF PART	MATERIAL	
		CLASS B	CLASS S
1	BODY		SC450
2	BONNET		SC450
3	DISC	BC6	SUS420
4	VALVE SEAT	BC6	SUS420
5	STEM	C377IBD OR BE SUS420	
6	GLAND PACKING	BC6	
7	GASKET	NON-ASBESTOS	
8	HANDWHEEL	FC200	

F7312 Cast Steel 5K Angle Valves  
 F7320 Cast Steel 10K Angle Valves  
 F7314 Cast Steel 20K Angle Valves



SIZE TABLE(7312)

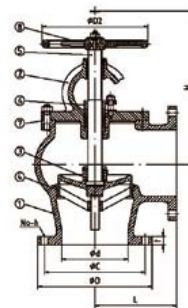
DN	d	L	D	C	NO.	h	t	H	D2
50	50	100	130	105	4	15	14	240	160
65	65	115	155	130	4	15	14	255	180
80	80	130	180	145	4	19	16	265	180
100	100	150	200	165	8	19	16	310	224
125	125	170	235	200	8	19	16	330	250
150	150	190	265	230	8	19	18	380	280
200	200	220	320	280	8	23	20	450	315
250	250	275	385	345	12	23	22	540	355
300	300	310	430	390	12	23	22	610	400

SIZE TABLE(7320)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	120	155	120	4	19	16	240	160
65	65	130	175	140	4	19	18	260	200
80	80	140	185	150	8	19	18	265	200
100	100	160	210	175	8	19	18	300	250
125	125	180	250	210	8	23	20	350	280
150	150	205	280	240	8	23	22	400	315
200	200	230	330	290	12	23	22	485	355
250	250	290	400	355	12	25	24	535	400
300	300	320	445	400	16	25	24	610	450

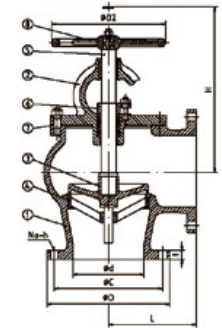
SIZE TABLE(7314)

DN	d	L	D	C	NO.	h	t	H	D2
32	32	100	135	100	4	19	18	270	160
40	40	110	140	105	4	19	18	290	160
50	50	125	155	120	8	19	18	305	200
65	65	135	175	140	8	19	20	345	224
80	80	150	200	160	8	23	22	385	250
100	100	170	225	185	8	23	24	440	280
125	125	200	270	225	8	25	26	500	315
150	150	225	305	260	12	25	28	550	355
200	200	280	350	305	12	25	30	630	450
250	250	310	430	380	12	27	34	725	560



# MARINE VALVE

F7312C Cast Steel 5K Screw-down Check Angle Valves  
 F7472 Cast Steel 10K Screw-down Check Angle Valves  
 F7474 Cast Steel 20K Screw-down Check Angle Valves



## MATERIALS TABLE

NO	NAME OF PART	MATERIAL	
		CLASS B	CLASS S
1	BODY		SC450
2	BONNET		SC450
3	DISC	BC6	SUS420
4	VALVE SEAT	BC6	SUS420
5	STEM	C377IBD OR BE SUS420	
6	GLAND PACKING	BC6	
7	GASKET	NON-ASBESTOS	
8	HANDWHEEL	FC200	

## SIZE TABLE(7312C)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	100	130	105	4	15	14	240	160
65	65	115	155	130	4	15	14	245	180
80	80	130	180	145	4	19	16	255	180
100	100	150	200	165	8	19	16	300	224
125	125	170	235	200	8	19	16	320	250
150	150	190	265	230	8	19	18	365	280
200	200	220	320	280	8	23	20	425	315
250	250	275	385	345	12	23	22	510	355
300	300	310	430	390	12	23	22	585	400

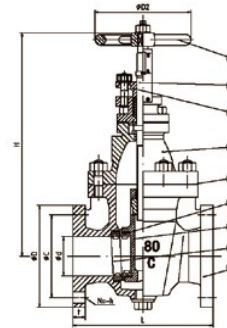
## SIZE TABLE(7472)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	120	155	120	4	19	16	235	160
65	65	130	175	140	4	19	18	250	200
80	80	140	185	150	8	19	18	255	200
100	100	160	210	175	8	19	18	290	250
125	125	180	250	210	8	23	20	340	280
150	150	205	280	240	8	23	22	385	315
200	200	230	330	290	12	23	22	460	355
250	250	290	400	355	12	25	24	535	400
300	300	320	445	400	16	25	24	610	450

## SIZE TABLE(7474)

DN	d	L	D	C	NO.	h	t	H	D2
32	32	100	135	100	4	19	18	270	160
40	40	110	140	105	4	19	18	290	160
50	50	125	155	120	8	19	18	305	200
65	65	135	175	140	8	19	20	345	224
80	80	150	200	160	8	23	22	385	250
100	100	170	225	185	8	23	24	440	280
125	125	200	270	225	8	25	26	500	315
150	150	225	305	260	12	25	28	550	355
200	200	280	350	305	12	25	30	630	450
250	250	310	430	380	12	27	34	725	560

F7363C Cast Steel 5K Gate Valves  
 F7366 Cast Steel 10K Gate Valves



## MATERIALS TABLE

NO	NAME OF PART	MATERIAL	
		CLASS B	CLASS S
1	BODY		SC450
2	BONNET		SC450
3	DISC	BC6	SUS420
4	VALVE SEAT	BC6	SUS420
5	STEM	C377IBD	OR BE SUS420
6	GLAND PACKING	BC6	
7	GASKET	NON-ASBESTOS	
8	HANDWHEEL	FC200	
9	DISC	SC450	

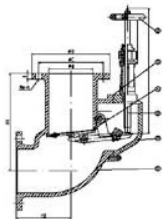
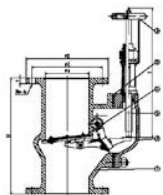
## SIZE TABLE(7363C)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	180	130	105	4	15	14	285	125
65	65	190	155	130	4	15	14	330	140
80	80	200	180	145	4	19	14	380	160
100	100	230	200	165	8	19	16	430	180
125	125	250	235	200	8	19	16	495	200
150	150	270	265	230	8	19	18	560	224
200	200	290	320	280	8	23	20	680	280
250	250	330	385	345	12	23	22	800	355
300	300	370	430	390	12	23	22	920	400
350	335	410	480	435	12	25	24	1000	450
400	380	470	540	495	16	25	24	1100	500

## SIZE TABLE(7366)

DN	d	L	D	C	NO.	h	t	H	D2
50	50	200	155	120	4	19	16	300	140
65	65	220	175	140	4	19	18	350	160
80	80	230	185	150	8	19	18	400	180
100	100	250	210	175	8	19	18	450	200
125	125	270	250	210	8	23	20	520	224
150	150	290	280	240	8	23	22	580	250
200	200	310	330	290	12	23	22	700	315
250	250	340	400	355	12	25	24	840	400
300	300	380	445	400	16	25	24	960	450
350	335	370	490	445	16	25	26	1050	500
400	380	410	560	510	16	27	28	1150	560

F3060 Cast Steel Globe Storm Valves  
 F3060 R Cast Steel Angle Storm Valves



## MATERIALS TABLE

NO	NAME OF PART	MATERIAL	
		CLASS B	CLASS S
1	BODY	SC450	
2	BONNET	SC450	
3	STEM	C4641 BD OR 4641BE	SUS420
4	GASKET	NBR	
5	GASKET	NBR	
6	HANDWHEEL	FC200	

## SIZE TABLE(3060)

DN	H	D	C	n-d	l
50	210	130	105	4-15	250
65	240	155	130	4-15	250
80	260	180	145	4-19	250
100	280	200	165	8-19	250
125	330	235	200	8-19	250
150	360	265	230	8-19	250
200	450	320	280	8-23	250

## SIZE TABLE(3060R)

DN	H1	H2	D	C	n-d	l
50	170	90	130	105	4-15	4-15
65	200	110	155	130	4-15	4-15
80	220	120	180	145	4-19	4-19
100	250	130	200	165	8-19	8-19
125	270	150	235	200	8-19	8-19
150	310	165	265	230	8-19	8-19
200	400	190	320	280	8-23	8-23