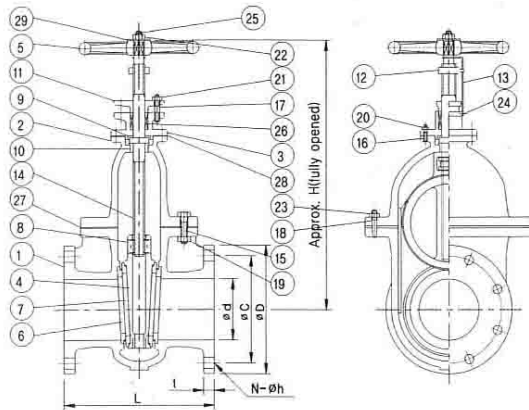


# Cast Iron Marine Valves



## TYPE DESIGNATION

MCI-GV	JIS 5K GATE VALVES	JIS F7363
MCI-GV	JIS 10K GATE VALVES	JIS F7364
MCI-GV	JIS 16K GATE VALVES	JIS F7369



## MATERIALS

Bolted Bonnet Renewable seat  
Non Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	BONNET	CAST IRON
3	STUFFING BOX	CAST IRON
4	DISC	CAST IRON
5	HANDWHEEL	CAST IRON
6	VALVE SEAT OF BODY	BRONZE / STAINLESS STEEL
7	VALVE SEAT OF DISC	BRONZE / STAINLESS STEEL
8	SCREWED PIECE	BRONZE / STAINLESS STEEL
9	GUIDE BUSH	BRONZE / STAINLESS STEEL
10	GUIDE BUSH	BRONZE / STAINLESS STEEL
11	PACKING GLAND	BRONZE
12	INDICATOR	BRASS
13	INDICATOR PLATE	BRASS
14	STEM	BRASS / STAINLESS STEEL
15	STUD BOLT	STEEL
16	STUD BOLT	STEEL
17	STUD BOLT	STEEL
18	TAPER PIN WITH THREAD	STAINLESS STEEL
19	HEXAGON NUT	STEEL
20	HEXAGON NUT	STEEL
21	HEXAGON NUT	STEEL
22	HEXAGON NUT	STEEL
23	HEXAGON NUT	STEEL
24	MACHINE SCREW	STEEL
25	SPLIT PIN	BRASS
26	PACKING	NON ASBESTOS
27	GASKET	NON ASBESTOS
28	GASKET	NON ASBESTOS
29	WASHER	STEEL

## FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm<sup>2</sup>)

Fluid Condition	Max Working Oressure (kgf / cm <sup>2</sup> )					
	JIS 5 K			JIS 10 K		
	Up to 200A	250 to 400 A	450 to 600 A	Up to 200A	250 to 400A	450 to 600 A
Saturated Steam	3	2		5	3	
Oil and Pulsation Water	5			10		
Non-Shock Water up to 120°C	7	5		14	12	
Fluid Condition	JIS 16K					
	300A to 400A					
Oil and Pulsation water	16					

## TEST PRESSURE(kgf/cm<sup>2</sup>)

Rabing	JIS 5K		JIS 10K		JIS 16K
Size	Up to 400A	450A to 600A	Up to 400A	450A to 600A	300-400A
Hydrostatic Press Test(Shell)	10.5	7.5	21	18	24
Hydrostatic Press Test(Seat)	7.7	5.5	15.4	13.2	17.6

## DIMENSIONS

Unit:mm

RATING	SIZE	50A	65A	80A	100A	125A	150A	200A	250A	300A	350A	400A
JIS 5K (JIS F7363)	Ød	50	65	80	100	125	150	200	250	300	335	380
	ØD	130	155	180	200	235	265	320	385	430	480	540
	ØC	105	130	145	165	200	230	280	345	390	435	495
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-19	8-23	12-23	12-23	12-25	16-25
	t	16	18	18	20	20	22	24	26	28	30	30
	L	180	190	200	230	250	270	290	330	370	410	470
	H	285	330	380	430	495	560	680	800	920	1000	1100
Weight(Kg)	13.5	19.6	24.2	35.3	48.1	65.3	103	164	236	307	405	
JIS 10K (JIS F7364)	Ød	50	65	80	100	125	150	200	250	300	335	380
	ØD	155	175	185	210	250	280	330	400	445	490	560
	ØC	120	140	150	175	210	240	290	355	400	445	510
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	16-25	16-25	16-27
	t	20	22	22	24	24	26	26	30	32	34	36
	L	200	220	230	250	270	290	320	380	440	500	590
	H	300	350	400	450	520	580	700	840	960	1050	1150
Weight(Kg)	19.4	27.6	33	45.8	65.9	86	136	230	331	433	597	
JIS 16K (JIS F7369)	Ød	50	65	80	100	125	150	200	250	300	335	380
	ØD	175	175	200	225	270	305	350	430	480	540	605
	ØC	140	140	160	185	225	260	305	380	430	480	540
	N-Øh	8-19	8-19	8-23	8-23	8-25	12-25	12-25	12-27	16-27	16-33	16-33
	t	20	22	24	26	26	28	30	34	36	38	42
	L	220	220	234	254	274	294	328	388	490	540	610
	H	300	350	400	450	520	580	700	840	1010	1070	1185
Weight(Kg)	20.40	30.40	36.30	54.40	72.50	94.60	149.60	243.50	430	580	780	

REMARK: 1. The flanges shall conform to nominal pressure 5K, 10K and 16K of JIS B 2210  
2. The name plate shall be specified by purchaser as required



reserves the right to make changes in design, materials or specifications without prior notice and free of obligation to furnish or install such changes on products previously sold.

MARINE VALVES JIS SERIES