

YKV®

YOKO SUN

QINGDAO YOKO SUN VALVE INDUSTRY CO.LTD

青岛优科上冶阀业有限公司

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青岛优科上冶阀业有限公司

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青岛优科上冶阀门有限公司是一家生产和销售船用阀门的专业公司，公司产品：JIS船用阀门，包括青铜、黄铜、铸铁、铸钢等材质的截止阀，截止止回阀，闸阀，旋塞阀，球阀，消防阀，消防栓，快关阀，空气管头等，同时我司承接各式青铜、黄铜铸件。

公司始终以“质量第一、用户第一”为宗旨，不断提高服务水准，并根据客户的需要开发新产品。产品优质、交货及时、服务周到、竞争力的价格、全面满足用户需求，是优科上冶阀门的形象所在，同时优科上冶阀门与国内各大船厂建立了广泛良好的合作关系，远销新加坡、马来西亚、印度尼西亚、泰国、韩国、日本、土耳其、阿联酋、美国 and 欧洲等国家和地区。

竭诚欢迎国内外客户来我公司洽谈业务，共谋双赢之道。

QINGDAO YOKO SUN VALVE INDUSTRY CO.LTD. is a professional manufacturer and exporter that is engaged in the design, development and production of JIS marine valves, DIN series, ANSI series. We are located in Qingdao, with convenient transportation access. All of our products comply with international quality standards and are greatly welcome in different markets throughout the world.

We have over 50 employees, an annual sales figure that exceeds US\$8,000,00.00 and are currently exporting 1:2 of our production worldwide. Our well-equipped facilities and excellent quality control throughout all stages of production enable us to guarantee fully customer satisfaction.

As a result of our high quality products and outstanding customer service, we have gained a global sales network reaching Japan, South Korea, Singapore, Malaysia, Turkey, the United Arab Emirates, United States, Europe and so on.

We always follow our principle of integrity, excellence and respect. Backed up by strict quality control, accurate delivery time, excellent service and preferential price, we welcome customers from the whole world to work with us for a win-win future.

青岛优科上冶阀门有限公司
QINGDAO YOKO SUN VALVE INDUSTRY CO.LTD

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API CERT



BV CERT



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JIS 5K / 10K Y - TYPE STRAINERS
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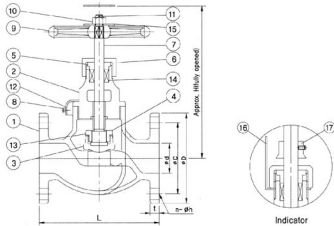
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TYPE DESIGNATION

MBC-GLV	JIS 5K GLOBE VALVES	JIS F7301
MBC-GLV	JIS 10K/JIS 16K GLOBE VALVES	JIS F7303(10)/JIS F7303



Screwed Bonnet Integral seat
Rising Stem Flanged Ends

MATERIALS

NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	BONNET	BRONZE/BRASS
3	DISC	BRONZE/BRASS
4	VALVE DISC NUT	BRASS
5	PACKING GLAND	BRASS
6	GLAND NUT	BRASS
7	STEM	BRASS
8	SET SCREW	BRASS
9	HANDWHEEL	CAST IRON
10	HEXAGON NUT	BRASS
11	SPLIT PIN	BRASS
12	LOCK PLATE	BRASS
13	DISC LOCK WASHER	BRASS
14	PACKING	NON ASBESTOS
15	WASHER	STEEL
16	INDICATOR PLATE	BRASS
17	INDICATOR PIECE	BRASS

FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)

Fluid Condition	Rating	JIS 5K	JIS 10K	JIS 16K
Steam up to 205 °C		4.9	10	16
Air, Gas, Oil and Pulsation water				
Non-Shock Water up to 120 °C		6.9	14	33

TEST PRESSURE(kgf/cm²)

RATING	JIS 5K	JIS 10K	JIS 16K
HYDROSTATIC PRESS TEST(SHELL)	10.3	21	33
HYDROSTATIC PRESS TEST(SEAT)	7.6	15.5	24.2

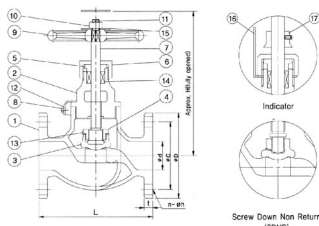
DIMENSIONS

RATING	SIZE	Ød	ØD	ØC	N-Øh	t	L	H	Unit:mm
JIS 5K (JIS F7301)	15A	15	80	60	4-12	9	100	130	2.02
	20A	20	85	65	4-12	10	110	140	2.86
	25A	25	95	75	4-12	10	120	160	3.54
	32A	32	115	90	4-15	12	140	170	5
	40A	40	120	95	4-15	12	160	190	6.48
	50A	50	130	105	4-15	14	210	235	11.7
JIS 10K / JIS 16K (JIS F7303(10) / JIS F7303)	65A	65	155	130	4-15	14	250	260	17
	15A	15	95	70	4-15	12	110	130	2.76
	20A	20	100	75	4-15	14	120	140	3.72
	25A	25	125	90	4-19	14	130	160	5.2
	32A	32	135	100	4-19	16	160	170	6.91
	40A	40	140	105	4-19	16	180	190	8.43

REMARK: 1. The flanges shall conform to nominal pressure 5K, 10K and 16K of JIS B 2240
2. JIS F7301 5K for nominal size 10 and 15 shall be made Bonnet Bonnet type

TYPE DESIGNATION

MBC-SDV	JIS 5K GLOBE SCREW-DOWN CHECK VALVES	JIS F7351
MBC-SDV	JIS 10K / 16K GLOBE SCREW-DOWN CHECK VALVES	JIS F7409(10)/JIS F7409



Screwed Bonnet Integral seat
Rising Stem Flanged Ends

MATERIALS

NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	BONNET	BRONZE/BRASS
3	DISC	BRONZE/BRASS
4	VALVE DISC NUT	BRASS
5	PACKING GLAND	BRASS
6	SET SCREW	BRASS
7	STEM	BRASS
8	SET SCREW	BRASS
9	HANDWHEEL	CAST IRON
10	HEXAGON NUT	BRASS
11	SPLIT PIN	BRASS
12	LOCK PLATE	BRASS
13	DISC LOCK WASHER	BRASS
14	PACKING	NON ASBESTOS
15	WASHER	STEEL
16	INDICATOR PLATE	BRASS
17	INDICATOR PIECE	BRASS

FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)

Fluid Condition	Rating	JIS 5K	JIS 10K	JIS 16K
Steam up to 205 °C		4.9	10	16
Air, Gas, Oil and Pulsation water				
Non-Shock Water up to 120 °C		6.9	14	33

TEST PRESSURE(kgf/cm²)

RATING	JIS 5K	JIS 10K	JIS 16K
HYDROSTATIC PRESS TEST(SHELL)	10.3	21	33
HYDROSTATIC PRESS TEST(SEAT)	7.6	15.5	24.2

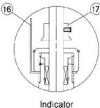
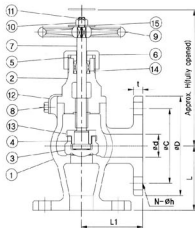
DIMENSIONS

RATING	SIZE	Ød	ØD	ØC	N-Øh	t	L	H	Unit:mm
JIS 5K (JIS F7351)	15A	15	80	60	4-12	9	100	130	2.02
	20A	20	85	65	4-12	10	110	140	2.86
	25A	25	95	75	4-12	10	120	160	3.54
	32A	32	115	90	4-15	12	140	170	5
	40A	40	120	95	4-15	12	160	190	6.48
	50A	50	130	105	4-15	14	210	235	11.7
JIS 10K / JIS 16K (JIS F7409(10)/JIS F7409)	65A	65	155	130	4-15	14	250	260	17
	15A	15	95	70	4-15	12	110	130	2.76
	20A	20	100	75	4-15	14	120	140	3.72
	25A	25	125	90	4-19	14	130	160	5.2
	32A	32	135	100	4-19	16	160	170	6.91
	40A	40	140	105	4-19	16	180	190	8.43

REMARK: 1. The flanges shall conform to nominal pressure 5K, 10K and 16K of JIS B 2240
2. JIS F7301 5K for nominal size 10 and 15 shall be made Bonnet Bonnet type

TYPE DESIGNATION

MBC-AGV	JIS 5K ANGLE VALVES	JIS F7302
MBC-AGV	JIS 10K/16K ANGLE VALVES	JIS F7304(10)/JIS F7304



FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)			
Fluid Condition	JIS 5K	JIS 10K	JIS 16K
Rating			
Fluid Condition			
Steam up to 205 °C	4.9	10	16
Air,Gas,Oil and Pulsation water			
Non-Shock Water up to 120 °C	6.9	14	22

TEST PRESSURE(kgf/cm²)			
RATING	JIS 5K	JIS 10K	JIS 16K
HYDROSTATIC PRESS TEST(SHELL)	10.3	21	33
HYDROSTATIC PRESS TEST(SEAT)	7.6	15.5	24.2

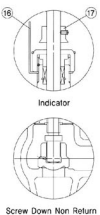
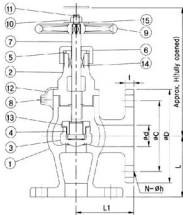
DIMENSIONS

RATING	SIZE	Ød	ØD	ØC	N-Øh	t	L1	H	weight(kg)
JIS 5K (JIS F7302)	15A	15	80	60	4-12	9	55	120	1.98
	20A	20	85	65	4-12	10	60	130	2.73
	25A	25	95	75	4-12	10	65	145	3.44
	32A	32	115	90	4-15	12	80	150	4.77
	40A	40	120	95	4-15	12	85	165	5.99
	50A	50	130	105	4-15	14	100	200	10.1
JIS 10K/16K (JIS F7304(10)/JIS F7304)	65A	65	155	130	4-15	14	115	220	15.6
	15A	15	95	70	4-15	12	70	120	2.73
	20A	20	100	75	4-15	14	75	130	3.65
	25A	25	125	90	4-19	14	85	145	5.16
	32A	32	135	100	4-19	16	95	150	6.72
	40A	40	140	105	4-19	16	100	165	8.13

REMARK: 1 The flanges shall conform to nominal pressure 5K,10K and 16K of JIS B 2230
2 JIS F7301 (5K for nominal dia 10 and 65 shall be made Bolted Bonnet type)

TYPE DESIGNATION

MBC-ASDV	JIS 5K ANGLE SCREW-DOWN CHECK VALVES	JIS F7352
MBC-ASDV	JIS 10K/16K ANGLE SCREW-DOWN CHECK VALVES	JIS F7410(10)/JIS F7410



FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)			
Fluid Condition	JIS 5K	JIS 10K	JIS 16K
Rating			
Fluid Condition			
Steam up to 205 °C	4.9	10	16
Air,Gas,Oil and Pulsation water			
Non-Shock Water up to 120 °C	6.9	14	22

TEST PRESSURE(kgf/cm²)			
RATING	JIS 5K	JIS 10K	JIS 16K
HYDROSTATIC PRESS TEST(SHELL)	10.3	21	33
HYDROSTATIC PRESS TEST(SEAT)	7.6	15.5	24.2

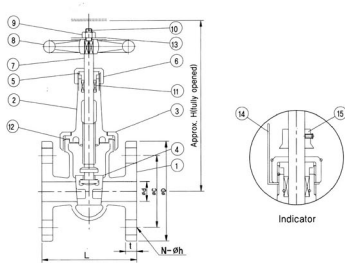
DIMENSIONS

RATING	SIZE	Ø d	Ø D	Ø C	N-Ø h	t	L1	H	weight(kg)
JIS 5K (JIS F7352)	15A	15	80	60	4-12	9	55	120	1.98
	20A	20	85	65	4-12	10	60	130	2.73
	25A	25	95	75	4-12	10	65	145	3.44
	32A	32	115	90	4-15	12	80	150	4.77
	40A	40	120	95	4-15	12	85	165	5.99
	50A	50	130	105	4-15	14	100	200	10.1
JIS 10K/16K (JIS F7410(10)/JIS F7410)	65A	65	155	130	4-15	14	115	220	15.6
	15A	15	95	70	4-15	12	70	120	2.73
	20A	20	100	75	4-15	14	75	130	3.65
	25A	25	125	90	4-19	14	85	145	5.16
	32A	32	135	100	4-19	16	95	150	6.72
	40A	40	140	105	4-19	16	100	165	8.13

REMARK: 1 The flanges shall conform to nominal pressure 5K,10K and 16K of JIS B 2230
2 JIS F7301 (5K for nominal dia 10 and 65 shall be made Bolted Bonnet type)

TYPE DESIGNATION

MBC-GV	JIS 5K GATE VALVES	JIS F7367
MBC-GV	JIS 10K GATE VALVES	JIS F7368



FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)

	Rating	JIS5K	JIS10K
Oil and Pulsation water	5	10	
Saturated steam	2	2	
Non-Shock Water to 120 °C	7	14	

TEST PRESSURE(kgf/cm²)

RATING	JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST(SHELL)	10.5	21
HYDROSTATIC PRESS TEST(SEAT)	7	15.4

DIMENSIONS

RATING	SIZE	Ød	ØD	ØC	N - Øh	t	L	H	Unit:mm
									weight(kg)
JIS 5K (JIS F7367)	15A	15	80	60	4-12	9	90	175	2.29
	20A	20	85	65	4-12	10	100	200	2.98
	25A	25	95	75	4-12	10	110	220	4.1
	32A	32	115	90	4-15	12	130	250	5.79
	40A	40	120	95	4-15	12	140	290	7.78
JIS 10K (JIS F7368)	15A	15	95	70	4-15	12	100	175	2.96
	20A	20	100	75	4-15	14	110	200	3.89
	25A	25	125	90	4-19	14	120	220	5.82
	32A	32	135	100	4-19	16	140	250	7.52
	40A	40	140	105	4-19	16	150	290	9.71

REMARK: 1.The flanges shall conform to nominal pressure 5K and 10K of JIS B 2204

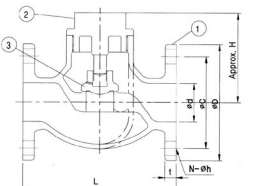
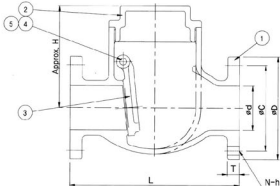
MATERIALS

Union Bonnet Integral seat
Rising Stem Flanged Ends

NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	BONNET	BRONZE
3	BONNET NUT	BRONZE
4	DISC	BRONZE
5	PACKING GLAND	BRONZE
6	PACKING GLAND NUT	BRASS
7	STEM	CAST IRON
8	HANDWHEEL	CAST IRON
9	HEXAGON NUT	BRASS
10	SPLIT PIN	BRASS
11	PACKING	NON ASBESTOS
12	GASKET	NON ASBESTOS
13	WASHER	STEEL
14	INDICATOR PLATE	BRASS
15	INDICATOR PLIECE	BRASS

TYPE DESIGNATION

MBC-SCV	JIS 5K SWING CHECK VALVES	JIS F7371
MBC-LCV	JIS 5K LIFT CHECK GLOBE VALVES	JIS F7356



FLUID CONDITION & MAX.WORKING PRESSURE(kgf/cm²)

Fluid Condition	Rating	JIS 5K
Air, Gas, Oil and Pulsation water	5	
Non-Shock Water up to 120 °C	7	

TEST PRESSURE(kgf/cm²)

RATING	JIS 5K
HYDROSTATIC PRESS TEST(SHELL)	5
HYDROSTATIC PRESS TEST(SEAT)	7

DIMENSIONS

RATING	SIZE	Ød	ØD	ØC	N - Øh	t	L	H	Unit:mm
									weight(kg)
JIS 5K (JIS F7371)	15A	25	80	60	4-12	10	110	69	2.24
	20A	25	85	65	4-12	10	110	69	2.24
	25A	25	95	75	4-12	10	110	69	2.24
	32A	32	115	90	4-15	12	130	79	3.07
	40A	40	120	95	4-15	12	140	93	4.34
JIS 5K (JIS F7356)	15A	25	80	60	4-12	10	120	77	2.39
	20A	25	85	65	4-12	10	120	77	2.39
	25A	25	95	75	4-12	10	120	77	2.39
	32A	32	115	90	4-15	12	140	81	3.8
	40A	40	120	95	4-15	12	160	91	4.95

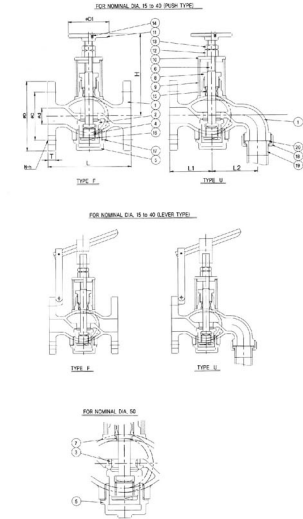
REMARK: 1.The flanges shall conform to nominal pressure 5K of JIS B2240

TYPE DESIGNATION

MBC-SSV FUEL OIL TANK SELF-CLOSING DRAIN VALVES JIS F7398

TYPE DESIGNATION

MBC-ESV FUEL OIL TANK EMERGENCY SHUT-OFF VALVES JIS F7399



MATERIALS		
NO.	PARTS	MATERIAL
1	BODY(15A-40A)	BRONZE
1	BODY(50A)	BRONZE / CAST STEEL
2	DISC	BRONZE
3	SEAT RING	INTEGRAL / BRONZE
4	PLUG	BRONZE
5	BONNET(15A-40A)	BRONZE
5	BONNET(50A)	BRONZE / CAST STEEL
6	STEM	BRASS
7	PACKING BUSH	BRASS
8	PACKING GLAND	BRASS
9	SPRING	SWP-A
10	SPRING SUPPORT	BRONZE / STEEL
11	HANDLE	STEEL
12	NUT	BRASS
13	NUT	BRASS
14	SET SCREW	BRASS
15	PACKING	NON ASBESTOS
16	GASKET	NON ASBESTOS
17	GASKET	NON ASBESTOS
18	UNICK NUT	STEEL
19	NIPPLE	STEEL
20	GASKET	NON ASBESTOS

TEST PRESSURE(kg/cm²)

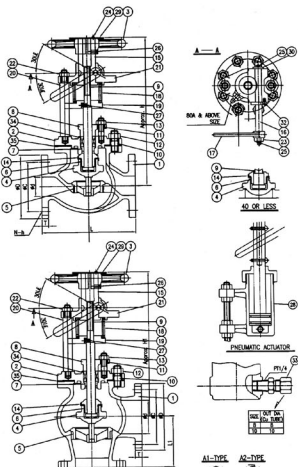
RATING	JIS 5K/10K
HYDROSTATIC PRESS TEST(SHELL)	1.5
HYDROSTATIC PRESS TEST(SEAT)	1.1

DIMENSIONS

Unit:mm

RATING	SIZE	Ød	ØD	ØC	N-Øh	t	L	L1	H	weight(kg)
JIS 5K (JIS F7398)	15A	25	80	60	4-12	10	130	65	130	4.7
	20A	25	85	65	4-12	10	130	65	130	4.7
	25A	25	95	75	4-12	10	130	65	130	4.7
	32A	40	115	90	4-15	12	180	90	165	8.1
	40A	40	120	95	4-15	12	180	90	165	8.1
JIS 10K (JIS F7398)	50A	50	130	105	4-15	14	220	110	195	12.4
	15A	25	95	70	4-15	14	130	65	130	4.7
	20A	25	100	75	4-15	14	130	65	130	4.7
	25A	25	125	90	4-19	14	130	65	130	4.7
	32A	40	135	100	4-19	16	180	90	165	8.1
	40A	40	140	105	4-19	16	180	90	165	8.1
	50A	50	155	120	4-19	16	220	110	195	12.4

REMARK: 1. The flanges shall nominal diameter 15 to 50 shall conform to JIS B 2240



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	BONNET	BRONZE
3	HANDWHEEL	CAST IRON
4	DISC	STAINLESS STEEL
5	BODY SEAT RING	STAINLESS STEEL
6	DISC NUT	BRASS
7	BONNET BUSH	BRASS
8	PACKING GLAND	BRONZE
9	STEM	STAINLESS STEEL
10	BONNET BOLT	STEEL
11	PACKING BOLT	STEEL
12	BONNET NUT	STEEL
13	PACKING NUT	BRASS
14	DISC WASHER	STAINLESS STEEL
15	STEM BUSH	BRASS
16	SPINDLE	STAINLESS STEEL
17	LEVER	STEEL
18	SPRING	SUP4
19	SPRING SUPPORT	BRONZE/STEEL
20	STAY	STEEL
21	SUPPORT BUSH	BRONZE/STEEL
22	STAY NUT	STEEL
23	NUT	STEEL
24	MACHINE SCREW	BRASS
25	SPLIT PIN	BRASS
26	MACHINE SCREW	BRASS
27	LOCK PIN	STEEL
28	PNEUMATIC CYLINDER	BRONZE/STEEL
29	NAME PLATE	BRASS
30	WASHER	STEEL
32	SET SCREW	STEEL
33	NIPPLE	BRASS
34	PACKING	NON ASBESTOS
35	BONNET GASKET	NON ASBESTOS

TEST PRESSURE(kg/cm²)

RATING	JIS 10K
HYDROSTATIC PRESS TEST (SHELL)	7
HYDROSTATIC PRESS TEST (SEAT)	2

DIMENSIONS

Unit:mm

RATING	SIZE	Ød	ØD	ØC	N-Øh	t	L	L1	H	H1	Weight (Kg)
JIS 10K (JIS F7399)	25A	25	125	90	4-19	14	130	85	130	265	8.5
	40A	40	140	105	4-19	16	170	100	165	310	12.7

REMARK: The flanges of nominal diameter 40 or less shall conform to JIS B 2240-10K and the flanges of nominal diameter 50 or more shall conform to JIS B 2210-10K . However they may conform to JIS B2240-5K or JIS B2210-5K

TYPE DESIGNATION

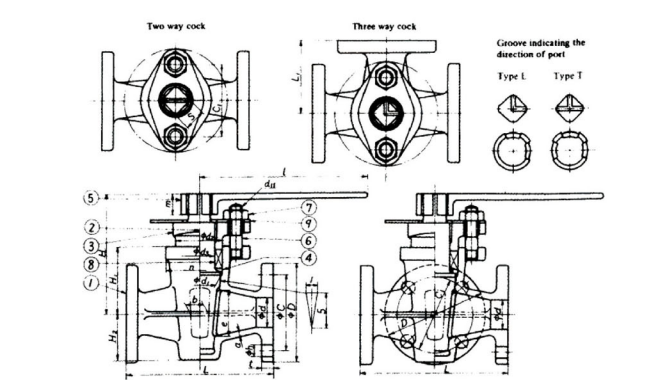
MBC-FLC JIS 5K FLANGED COCKS

JIS F7381

TYPE DESIGNATION

MBC-SGVH SELF CLOSER GATE VALVE HEAD FOR SHORT SOUNDING PIPE

JIS F3019



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	PLUG	BRONZE
3	PACKING GLAND	BRASS
4	SEAT RING	BRASS
5	HANDLE	STEEL
6	STUD	BRASS
7	HEXAGON NUT	BRASS
8	PACKING	ASBESTOS
9	NAME PLATE	BRASS / AI

TEST PRESSURE(kgf/cm²)

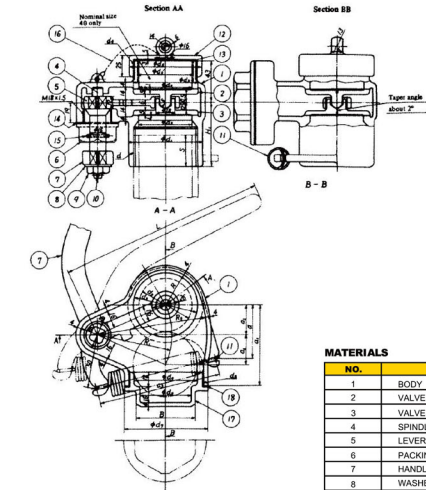
RATING	JIS 5K
HYDROSTATIC PRESS TEST(SHELL)	7.5
HYDROSTATIC PRESS TEST(SEAT)	5.5

DIMENSIONS

Unit:mm

RATING	SIZE	FACE TO FACE	FLANGE			HEIGHT	Weight(kg)	
			DIA	PCD	BOLT HOLE		TWO	THREE
JIS 5K (JIS F7381)	25	130	95	75	4-12	105	3.13	3.81
	32	160	115	90	4-15	125	5.02	6.13
	40	170	120	95	4-15	135	6.66	7.93
	50	190	130	105	4-15	163	10.0	11.8
	65	220	155	130	4-15	201	16.7	19.0

REMARK: 1.The flanges shall conform to nominal pressure 5k of JIS B 2240



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	BRONZE
2	VALVE	BRONZE
3	VALVE	BRONZE
4	SPINDLE FOR HANDLE	BRASS
5	LEVER	BRONZE
6	PACKING GLAND	BRONZE
7	HANDLE	CAST IRON
8	WASHER	BRASS PLATF
9	HEXAGON NUT	BRASS
10	SPLIT PIN	BRASS
11	COIL SPRING	PWB
12	CAP	BCB
13	GASKET	RUBBER
14	GASKET	RUBBER
15	PACKING	RUBBER
16	CHAIN	BRASS
17	COVER	RUBBER
18	GASKET	RUBBER

TEST PRESSURE(kgf/cm²)

BODY	3
FACING SURFACE	2

DIMENSIONS

Unit:mm

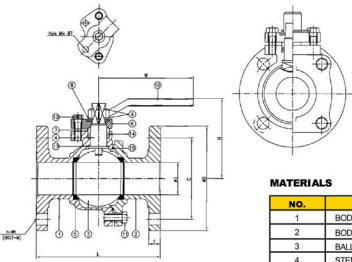
NOMINAL DIA.	NOMINAL SIZE		
	d	φd	φB
40	PF 1½	PF 1½	M 60X2
50	PF2	PF2	M 70X2
65	PF2½		
80	PF3		

TYPE DESIGNATION

M B C - B V 2	CAST BRONZE 2-WAY BALL VALVE	JIS 5K / JIS 10K / JIS 16K
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TYPE DESIGNATION

MF-FHV	FIRE HYDRANT VALVES
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MATERIALS

NO.	PARTS	MATERIAL
1	BODY	BC 6
2	BODY CAP	BC 6
3	BALL	SUS 304
4	STEM	C 3004
5	SEAT RING	PTFE
6	GLAND FLANGE	BC 6
7	GLAND RING	C 3004
8	STOPPER	SS 400
9	STOP RING	SUS 304
10	LEVER HANDLE	AL
11	HEX BOLT	SUS 304
12	GLAND BOLT	SUS 304
13	THRUST WASHER	PTFE
14	GLAND PACKING	PTFE
15	GASKET	PTFE

VALVE SPECIFICATION SHEET

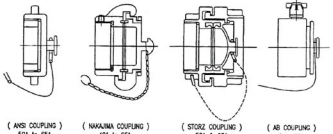
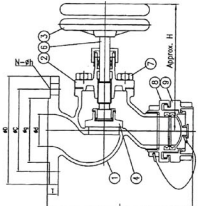
RATING		JIS 5K	JIS 10K	JIS 16K
STANDARD'S	FACE TO FACE	JIS B2002		
	FLANGE DIMENSION	JIS B2210		
	BASIC DESIGN	JIS B2081		
HYDROSTATIC TEST PRESSURE	INSPECTION & TESTING	JIS B2003		
	BODY	12 kgf / cm ²	24 kgf / cm ²	38 kgf / cm ²
	SEAT	8 kgf / cm ²	15 kgf / cm ²	24 kgf / cm ²

DIMENSIONS

		Unit:mm										
RATING	SIZE	2d	C	2D	H	L	W	L	N-Oh			
JIS 5K	15A	15	70	95	105	110	123	12	4-15			
	20A	20	75	100	107	120	123	14	4-15			
	25A	25	90	125	117	130	143	14	4-19			
	32A	32	100	135	122	160	143	16	4-19			
	40A	40	105	140	130	180	233	16	4-19			
	50A	50	120	155	135	178	233	16	8-19			
	65A	65	140	175	155	190	270	18	8-19			
	80A	80	160	200	172	203	270	20	8-23			
JIS 10K	100A	100	185	214	214	229	400	22	8-23			
	15A	15	70	95	105	110	123	12	4-15			
	20A	20	75	100	107	120	123	14	4-15			
	25A	25	90	125	117	130	143	14	4-19			
	32A	32	100	135	122	160	143	16	4-19			
	40A	40	105	140	130	180	233	16	4-19			
	50A	50	120	155	135	178	233	16	8-19			
	65A	65	140	175	155	190	270	18	8-19			
JIS 16K	80A	80	160	185	172	203	270	18	8-19			
	100A	100	185	210	214	229	400	18	8-19			
	15A	15	70	95	105	110	123	12	4-15			
	20A	20	75	100	107	120	123	14	4-15			
	25A	25	90	125	117	130	143	14	4-19			
	32A	32	100	135	122	160	143	16	4-19			
	40A	40	105	140	130	180	233	16	4-19			
	50A	50	120	155	135	178	233	16	8-19			
JIS 16K	65A	65	140	175	155	190	270	18	8-19			
	80A	80	160	200	172	203	270	20	8-23			
	100A	100	185	225	214	229	400	22	8-23			

REMARK: 1. The flanges connection will be adjusted by purchaser's requirement.

2. The name plate shall be specified by purchaser as required.



TEST PRESSURE(kg/cm²)

RATING	JIS 16KPN16	JIS 10KPN10	JIS 5KPN6
SIZE	50&65A		
HYDROSTATIC PRESS TEST(BELL)	25	16	9
HYDROSTATIC PRESS TEST(SEAT)	16	10	7

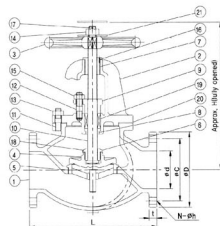
DIMENSIONS

		Unit:mm										
RATING	SIZE	d	L	L1	H	H1	FLANGE					
JIS 16KPN16	50	50	222	75	175	235						
	65	65	260	90	205	265						
JIS 10KPN10 ANSI 150LB	50	50	222	75	175	235						
	65	65	260	90	205	265						
JIS 5KPN6	50	50	222	75	175	235						
	65	65	260	90	205	265						

REMARK: 1. The name plate shall be specified by purchaser as required.

TYPE DESIGNATION

MC1-GLV	JIS 5K GLOBE VALVES	JIS F7305
MC1-GLV	JIS 10K GLOBE VALVES	JIS F7307
MC1-GLV	JIS 16K GLOBE VALVES	JIS F7309



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	BONNET	CAST IRON
3	HANDWHEEL	CAST IRON
4	DISC	BRONZE/STAINLESS STEEL
5	VALVE SEAT	BRONZE/STAINLESS STEEL
6	DISC NUT	BRONZE/STAINLESS STEEL
7	SCREW BONNET BUSH	BRONZE/STAINLESS STEEL
8	BONNET BUSH	BRONZE/STAINLESS STEEL
9	PACKING GLAND	BRONZE/STAINLESS STEEL
10	STEM	STEEL
11	STUD BOLT	STEEL
12	HEXAGON NUT	STEEL
13	HEXAGON NUT	STEEL
14	HEXAGON NUT	STEEL
15	HEXAGON NUT	STEEL
16	LOCK PIN	STEEL
17	SPLIT PIN	BRASS
18	DISC LOCK WASHER	BRASS
19	PACKING	NON ASBESTOS
20	GASKET	NON ASBESTOS
21	WASHER	STEEL

Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)

Rating	Max. Working Pressure(kgf/cm ²)									
	Size	JIS 5K			JIS 10K			JIS 16K		
		Up to 200A	250A to 400A	Class B	Up to 200A	Over 250A	Class B	50A to 200A	Class B	Class A
Fluid Condition	Trim	Class B	Class S	Class B	Class B	Class S	Class B	Class B	Class S	Class A
Steam up to 230 °C					-	10				
Steam up to 205 °C		5	5	-				-	16	16
Saturated Steam								5		
Air and Gas		5(Up to 300A)			10				-	16
Oil and Pulsation water		5								
Non-Shock Water up to 120 °C		7(Up to 300A)	6		14				22	

DIMENSIONS

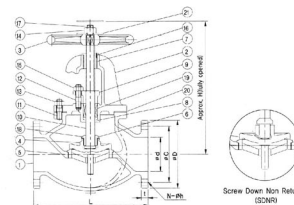
	RATING	SIZE	50A	65A	80A	100A	125A	150A	200A	250A	300A	350A	400A
JIS 5K (JIS F7305)	ØA	50	65	80	100	125	150	200	250	300	335	380	
	ØD	130	155	180	200	235	265	320	385	430	480	540	
	ØC	105	130	145	165	200	230	280	345	390	435	495	
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-23	12-23	12-23	12-25	16-25	16-25	
	I	16	18	18	20	22	24	26	28	30	30	30	
	L	210	250	280	340	410	480	570	740	840	940	1050	
	H	270	300	310	360	390	445	530	650	740	840	940	
	Weight(Kg)	14.7	21.3	27.7	40.8	57.6	80.3	139	246	377	462	647	
	ØA	50	65	80	100	125	150	200	250	300	335	380	
	ØD	155	175	185	210	250	280	330	400	445			
JIS 10K (JIS F7307)	ØC	120	140	150	175	210	240	290	355	400			
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	16-25	16-25		
	I	20	22	22	24	24	26	28	30	32			
	L	220	270	300	350	420	490	570	740	840	940	1050	
	H	285	310	320	370	420	470	555	680	770			
	Weight(Kg)	19.9	28.7	32.4	48.7	73.1	104	162	304	458			
	ØA	50	65	80	100	125	150	200	250	300	335	380	
	ØD	165	175	200	225	270	305	350					
	ØC	120	140	160	185	225	260	305					
	N-Øh	8-19	8-19	8-23	8-23	12-25	12-25						
JIS 16K (JIS F7309)	I	20	22	24	26	28	30						
	L	220	270	300	350	430	500	570					
	H	285	310	340	385	455	510	630					
	Weight(Ka)	19.6	28.3	40.4	56.9	89.5	123	188					

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

TYPE DESIGNATION

MC1-SDV	JIS 5K GLOBE SCREW-DOWN CHECK VALVES	JIS F7353
MC1-SDV	JIS 10K GLOBE SCREW-DOWN CHECK VALVES	JIS F7375
MC1-SDV	JIS 16K GLOBE SCREW-DOWN CHECK VALVES	JIS F7377



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	BONNET	CAST IRON
3	HANDWHEEL	CAST IRON
4	DISC	BRONZE/STAINLESS STEEL
5	VALVE SEAT	BRONZE/STAINLESS STEEL
6	DISC NUT	BRONZE/STAINLESS STEEL
7	SCREW BONNET BUSH	BRONZE/STAINLESS STEEL
8	BONNET BUSH	BRONZE/STAINLESS STEEL
9	PACKING GLAND	BRONZE/STAINLESS STEEL
10	STEM	STEEL
11	STUD BOLT	STEEL
12	HEXAGON NUT	STEEL
13	HEXAGON NUT	STEEL
14	HEXAGON NUT	STEEL
15	HEXAGON NUT	STEEL
16	LOCK PIN	STEEL
17	SPLIT PIN	BRASS
18	DISC LOCK WASHER	BRASS
19	PACKING	NON ASBESTOS
20	GASKET	NON ASBESTOS
21	WASHER	STEEL

Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)

Rating		Max.Working Pressure(kgf/cm ²)									
		JIS 5K			JIS 10K			JIS 16K			
Size	Up to 20A	25A to 40A		Up to 20A		Over 25A		50A to 200A			
Fluid Condition	Trim	Class B	Class S	Class B	Class B	Class S	Class B	Class S	Class B	Class S	
Steam up to 230°C											
Steam up to 230°C		5	5	-		10		-		16	16
Steam up to 205°C											
Saturated Steam											
Air and Gas		5(Up to 300A)				10		5			
Oil and Pulsation water		5									
Non-Shock Water up to 120°C		7(Up to 300A)		6		14		10		22	

DIMENSIONS

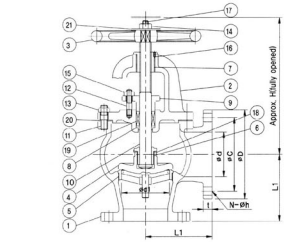
	RATING	SIZE	50A	65A	80A	100A	125A	150A	200A	250A	300A	350A	400A
JIS 5K (JIS F7353)	ØA	50	65	80	100	125	150	200	250	300	335	380	
	ØD	130	165	180	200	235	260	320	385	430	480	540	
	ØC	105	130	145	165	200	230	280	345	390	435	495	
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-19	8-23	12-23	12-23	12-25	16-25	
	I	16	18	18	20	20	22	24	26	28	30	30	
	L	210	250	280	340	410	480	570	740	840	940	1050	
	H	270	300	310	360	390	445	530	650	740	840	940	
	Weight(Kg)	14.7	21.3	27.7	40.8	57.6	80.3	139	246	377	462	647	
	ØA	50	65	80	100	125	150	200	250	300	335	380	
	ØD	155	175	185	210	250	280	330	400	445			
JIS 10K (JIS F7375)	ØC	120	140	150	175	210	240	290	355	400			
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	16-25			
	I	20	22	22	24	24	26	28	30	32			
	L	220	270	300	350	420	490	570	740	840	940	1050	
	H	285	310	320	370	420	470	555	680	770			
	Weight(Kg)	19.9	28.7	32.4	48.7	73.1	104	162	304	458			
	ØA	50	65	80	100	125	150	200	250	300	335	380	
	ØD	155	175	200	225	270	305	350					
	ØC	120	140	160	185	225	260	305					
	JIS 16K (JIS F7377)	N-Øh	8-19	8-19	8-23	8-23	8-25	12-25	12-25				
I		20	22	24	26	26	28	30					
L		220	270	300	350	430	500	570					
H		285	310	340	385	455	510	630					
Weight(Ka)		19.6	28.3	40.4	56.9	89.5	123	188					

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

TYPE DESIGNATION

MCI-AGV	JIS 5K ANGLE VALVES	JIS F7306
MCI-AGV	JIS 10K ANGLE VALVES	JIS F7308
MCI-AGV	JIS 16K ANGLE VALVES	JIS F7310



FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)

Rating		Max. Working Pressure(kgf/cm ²)									
		JIS 5K			JIS 10K			JIS 16K			
		Size		Up to 200A	250A to 400A	Up to 200A	Over250A	50A to 200A			
Fluid Condition	Trim	Class B	Class S	Class B	Class B	Class S	Class S	Class B	Class S	Class S	
Steam up to 230 °C					-	10					
Steam up to 205 °C	5		5					-		16	
Saturated Steam					10			5			
Air and Gas			5(Up to 300A)							16	
Oil and Pulsation water			5								
Non-Shock Water up to 120°C			7(Up to 300A)	6		14		10		22	

DIMENSIONS

	RATING	SIZE	150A	65A	80A	100A	125A	150A	200A	250A	300A	300A	400A
JIS SK (JIS F7306)	Ød	50	65	80	100	125	150	200	250	300	300	330	380
	ØD	130	155	180	200	235	265	320	385	430	480	540	590
	ØC	105	130	145	165	200	230	280	345	390	435	485	545
	N-Øh	4.15	4.15	4.19	8.19	8.19	8.19	8.23	12.23	12.23	12.25	16.25	16.25
	t	16	18	18	22	22	24	28	28	30	30	30	30
	L	100	115	130	150	170	190	220	275	310	360	395	435
	H	240	255	265	310	330	380	450	540	610	690	770	870
	Weight(Kg)	12	18	22	23.4	33.7	46.2	63.4	105	166	243	327	459
	Ød	50	65	80	100	125	150	200	250	300	330	335	380
	ØD	155	175	185	210	250	290	330	400	445	490	540	590
JIS 10K (JIS F7308)	ØC	120	140	150	175	210	240	290	355	400	445	510	570
	N-Øh	4.19	4.19	8.19	8.19	8.19	8.23	8.23	12.23	12.25	16.25	16.25	16.25
	t	20	22	22	24	24	26	26	30	32	34	36	37
	L	120	130	140	160	180	205	230	280	320	360	420	480
	H	265	270	275	315	360	400	475	570	645	710	795	890
	Weight(Kg)	18.2	25.4	27.4	40.6	69.9	81	125	211	293	386	504	644
	Ød	50	65	80	100	125	150	200	250	300	330	335	380
	ØD	155	175	200	225	270	305	350	425	475	520	570	620
	ØC	120	140	160	185	225	255	300	360	400	445	500	550
	N-Øh	8.19	8.19	8.23	8.23	8.25	12.25	12.25					
JIS 16K (JIS F7310)	t	20	22	24	26	26	28	30	30				
	L	120	130	150	170	200	225	250	295	330	390	440	490
	H	265	270	295	330	390	435	480	540	610	680	750	830
	Weight(Kg)	18	25	35.7	59.2	76.1	103	155					

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

MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	BONNET	CAST IRON
3	HANDWHEEL	CAST IRON
4	DISC	BRONZE/STAINLESS STEEL
5	VALVE SEAT	BRONZE/STAINLESS STEEL
6	SCREW NUT	BRONZE/STAINLESS STEEL
7	SCREW BONNET BUSH	BRONZE/STAINLESS STEEL
8	BONNET BUSH	BRONZE/STAINLESS STEEL
9	PACKING GLAND	BRONZE
10	STUD BOLT	BRONZE/STAINLESS STEEL
11	STUD BOLT	STEEL
12	HEXAGON NUT	STEEL
13	HEXAGON NUT	STEEL
14	HEXAGON NUT	STEEL
15	LOCK PIN	STEEL
16	LOCK PIN	STEEL
17	SPLIT PIN	BRASS
18	DISC LOCK WASHER	STEEL
19	PACKING	NONASBESTOS
20	GASKET	NONASBESTOS
21	WASHER	STEEL

TEST PRESSURE(kgf/cm²)

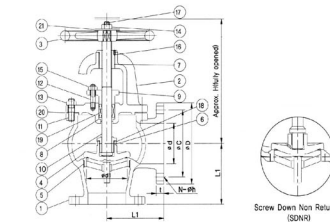
RATING	JIS 5K		JIS 10K		JIS 16K
SIZE	Up to 300A	350A to 400A	Up to 200A	Over 250A	50A to 200A
	Globe/Globe Check(SDNR)				
HYDROSTATIC PRESS TEST(SHELL)	10.5	9	21	15	33
HYDROSTATIC PRESS TEST(SEAT)	7.7	6.6	15.4	11	24.2

Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

Cast Iron Marine Valves

TYPE DESIGNATION

MCI-ASDV	JIS 5K ANGLE SCREW-DOWN CHECK VALVES	JIS F7354
MCI-ASDV	JIS 10K ANGLE SCREW-DOWN CHECK VALVES	JIS F7376
MCI-ASDV	JIS 16K ANGLE SCREW-DOWN CHECK VALVES	JIS F7378



FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)

		Max. Working Pressure(kg/cm ²)													
		JIS 5K				JIS 10K				JIS 16K					
Rating	Size	Up to 200A			250A to 400A			Up to 200A			Over 250A			50A to 200A	
Fluid Condition	Trim	Class B	Class S	Class B	Class S	Class B	Class S	Class B	Class S	Class B	Class S	Class B	Class S	Class B	Class S
Steam up to 230 °C															
Steam up to 205 °C		5	5	-	-	-	-	10	-	-	-	-	-	16	16
Saturated Steam								10		5					
Air and Gas		5(Up to 300A)												16	
Oil and Pulsation water		5													
Non-Shock Water up to 120°C		7(Up to 300A)			6	14	10			22					

DIMENSIONS

RATING	SIZE	50A	65A	80A	100A	125A	150A	200A	250A	300A	350A	400A
		Ød	50	65	80	100	125	150	200	250	300	335
JIS 9K (JIS F7354)	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
	L	15	15	15	20	20	22	24	28	28	30	30
	ØD	100	115	130	150	170	190	220	275	310	360	395
	H	240	255	265	310	330	380	450	540	610	690	770
	Weight(Kg)	12.9	18.2	23.4	33.7	46.2	63.4	105	166	243	327	459
	Ød	50	65	80	100	125	150	200	250	300	335	380
	ØD	155	175	185	210	250	280	330	400	465	510	560
	ØC	120	140	150	175	210	240	290	355	400	445	490
JIS 10K (JIS F7376)	N-Øh	4.19	4.19	8.19	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	28	30	32	34	36
	L	120	130	140	160	180	205	230	290	320	360	420
	H	255	270	275	315	360	420	475	570	645	710	790
	Weight(Kg)	18.2	25.4	27.4	40.6	69.9	81	125	211	293	386	544
	Ød	50	65	80	100	125	150	200	250	300	335	380
	ØD	155	175	200	225	270	305	350	430	495	555	615
	ØC	120	140	160	185	225	260	320	385	440	495	555
	N-Øh	8.19	8.19	8.23	8.23	8.25	12.25	12.25	12.25			
	t	20	22	24	26	26	28	30				
JIS 16K (JIS F7378)	L	120	130	150	170	200	225	250				
	H	255	270	285	330	390	435	540				
	Weight(Kg)	18	25	35.7	48.2	76.1	103	155				

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

MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	CONNECT	CAST IRON
3	SEMI-HEEL	CAST IRON
4	DISC	BRONZE/STAINLESS STEEL
5	VALVE	BRONZE/STAINLESS STEEL
6	DISCS NUT	BRONZE/STAINLESS STEEL
7	SCREW BONNET BUSH	BRONZE/STAINLESS STEEL
8	ROCKET BUSH	BRONZE/STAINLESS STEEL
9	PACKING GLAND	BRONZE
10	STUD	BRONZE/STAINLESS STEEL
11	STUD BOLT	STEEL
12	STUD BOLT	STEEL
13	HEXAGON NUT	STEEL
14	HEXAGON NUT	STEEL
15	HEXAGON NUT	STEEL
16	LOCK PIN	STEEL
17	SPLIT PIN	BRASS
18	LOCK LOCK WASHER	BRASS
19	PACKING	NONASBESTOS
20	GASKET	NONASBESTOS
21	WASHER	STEEL

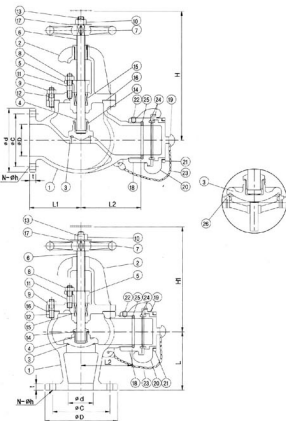
TEST PRESSURE(kgf/cm²)

RATING	JIS 5K		JIS 10K		JIS 16K
SIZE	Up to 300A	350A to 400A	Up to 200A	Over 250A	50A to 200A
	Globe/Globe Check(SDNR)				
HYDROSTATIC PRESS TEST(SHELL)	10.5	9	21	15	33
HYDROSTATIC PRESS TEST(SEAT)	7.7	6.6	15.4	11	24.2

Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

TYPE DESIGNATION

MCI-HGV	JIS 5K/10K HOSE GLOBE VALVES	JIS F7333
MCI-HAV	JIS 5K/10K HOSE ANGLE VALVES	JIS F7333



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	BONNET	CAST IRON
3	DISC	BRONZE
4	DISC NUT	BRONZE/BRASS
5	PACKING GLAND	BRONZE/BRASS
6	STEM	BRASS
7	HANDWHEEL	CAST IRON
8	HEXAGON NUT	STEEL
9	HEXAGON NUT	STEEL
10	HEXAGON NUT	STEEL
11	STUD BOLT	STEEL
12	STUD BOLT	STEEL
13	SPLIT PIN	BRASS
14	DISC LOCK WASHER	BRASS
15	PACKING	NON ASBESTOS
16	GASKET	NON ASBESTOS
17	WASHER	STEEL
18	BASE CONNECTION	BRONZE
19	CAP	BRONZE
20	COUPLING RING	BRONZE
21	SET RING	BRONZE
22	SET SCREW	BRASS
23	CHAIN	STAINLESS WIRE
24	GASKET	RUBBER
25	GASKET	NON ASBESTOS
26	VALVE SEAT	BRONZE

Bolted Bonnet Integral seat

FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)

Fluid Condition	Rating	JIS 5K	JIS 10K
Pulsation Water		5	10
Non-Shock Water up to 120°C		7	14

TEST PRESSURE (kgf/cm²)

RATING	JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST(SHELL)	10.5	21
HYDROSTATIC PRESS TEST(SEAT)	7.7	15.4

DIMENSIONS

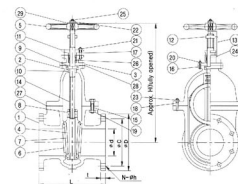
RATING	SIZE	Ød	ØD	ØC	N-Øh	t	L ₁	L	H	H ₁	Weight(kg)	Weight(kg)
JIS 5K (JIS F7333)	50A	50	130	105	4-15	16	105	100	270	240	14.7	12.8
	65A	60	155	130	4-15	22	135	130	310	270	28.2	24.3
JIS 10K (JIS F7333)	50A	50	155	120	4-19	20	110	120	285	255	18.9	17
	65A	60	175	140	4-19	22	135	130	310	270	28.2	24.3

Unit:mm

REMARK: 1. The flanges shall conform to nominal pressure 5K and 10K of JIS B 2210

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



FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)

Fluid Condition	Max Working Pressure (kgf / cm ²)	JIS 5 K	JIS 10 K
Saturated Steam	Up to 200A	20 to 40A	40 to 80A
Oil and Pulsation Water	7	5	10
Non-Shock Water up to 120°C	7	5	14
Fluid Condition		300A to 400A	
Oil and Pulsation water	16		

TEST PRESSURE (kgf/cm²)

Rating	JIS 5K	JIS 10K	JIS 16K
Size	Up to 400A	450A to 600A	650A to 800A
Hydrostatic Press Test(Shell)	10.5	7.5	21
Hydrostatic Press Test(Seat)	7.7	5.5	15.4

MATERIALS

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

Bolted Bonnet Renewable seat
Non Raising Stem Flanged Ends

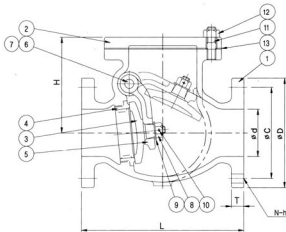
DIMENSIONS

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	350	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-2h	4-15	4-15	4-19	8-19	8-19	8-19	8-23	12-23	12-23	12-25	16-25
	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	355	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-2h	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	16-25	16-25	16-27
	L	200	220	220	240	260	280	320	380	440	500	590
	H	300	350	400	450	520	600	700	840	960	1050	1150
	Weight(kg)	19.4	27.6	33	45.8	65.9	88	136	230	331	433	597
JIS 16K (JIS F7369)	Ød	50	65	80	100	125	150	200	250	300	355	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-2h	8-19	8-19	8-23	8-23	8-25	12-25	12-25	12-27	16-27	16-33	16-33
	L	200	220	240	260	280	320	360	430	480	540	610
	H	220	220	234	254	274	294	328	388	440	500	560
	Weight(kg)	20.40	30.40	36.30	54.40	72.50	94.60	149.60	243.50	310	400	580

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

TYPE DESIGNATION

MCI-SCV	JIS 5K SWING CHECK VALVES	JIS F7372
MCI-SCV	JIS 10K SWING CHECK VALVES	JIS F7373



Bolted Bonnet Renewable seat
Flanged Ends

MATERIALS		
NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	BONNET	CAST IRON
3	DISC	BRONZE/STAINLESS STEEL
4	BODY SEAT RING	BRONZE/STAINLESS STEEL
5	ARM	BRONZE
6	HINGE PIN	BRONZE
7	PLUG	BRONZE
8	DISC NUT	BRONZE
9	WASHER	BRASS
10	SPLIT PIN	BRASS
11	BONNET BOLT	STEEL
12	BONNET NUT	STEEL
13	GASKET	NON ASBESTOS

FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm ²)			
Fluid Condition	Rating	JIS 5K	JIS 10K
Oil and Pulsation Water		5	10
Non-Shock Water up to 120 °C		7	14

TEST PRESSURE(kgf/cm ²)			
RATING		JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST(SHELL)		10.5	21
HYDROSTATIC PRESS TEST(SEAT)		7.7	15.4

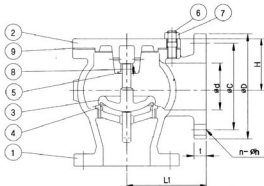
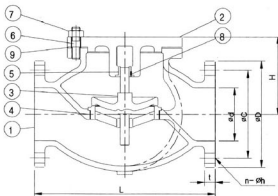
DIMENSIONS

RATING		SIZE	50A	65A	80A	100A	125A	150A	200A	250A
JIS 5K (JIS F7372)	Ød	50	65	80	100	125	150	200	250	
	ØD	130	155	180	200	235	265	320	385	
	ØC	105	130	145	165	200	230	280	345	
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-23	12-23		
	t	16	18	18	20	20	22	24	26	
	L	190	220	250	280	330	380	460	550	
	H	97	119	129	146	171	198	235	290	
	Weight(Kg)	9.06	13.9	19.1	27.1	39.0	53.7	94.4	150	
	Ød	50	65	80	100	125	150	200		
	ØD	155	175	185	210	250	280	330		
JIS 10K (JIS F7373)	ØC	120	140	150	175	210	240	290		
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23		
	t	20	22	24	24	26	28	30		
	L	210	240	270	300	350	400	490		
	H	109	126	136	153	180	205	242		
	Weight(Kg)	13.6	19.6	22.6	30.9	49.2	64.9	103		

REMARK: 1.The flanges shall conform to nominal pressure 5K and 10K of JIS B 2210

TYPE DESIGNATION

MCI-LCV	JIS 5K LIFT CHECK GLOBE VALVES	JIS F7358
MCI-LCAV	JIS 5K LIFT CHECK ANGLE VALVES	JIS F7359



Bolted Bonnet Renewable seat
Flanged Ends

MATERIALS		
NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	BONNET	CAST IRON
3	DISC	BRONZE/STAINLESS STEEL
4	VALVE SEAT	BRONZE/STAINLESS STEEL
5	BUSH	BRONZE/STAINLESS STEEL
6	STUD BOLT	STEEL
7	HEXAGON NUT	STEEL
8	SET SCREW	STEEL
9	GASKET	NON ASBESTOS

FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm ²)		
Fluid Condition	Rating	JIS 5K
Oil and Pulsation Water		5
Non-Shock Water up to 120 °C		7

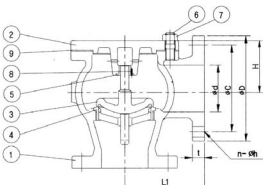
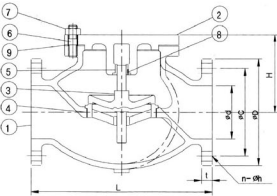
TEST PRESSURE(kgf/cm ²)		
RATING		JIS 5K
HYDROSTATIC PRESS TEST(SHELL)		10.5
HYDROSTATIC PRESS TEST(SEAT)		7.7

DIMENSIONS

RATING		SIZE	50A	65A	80A	100A	125A	150A	200A
JIS 5K (JIS F7358)	Ød	50	65	80	100	125	150		
	ØD	130	155	180	200	235	265		
	ØC	105	130	145	165	200	230		
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-19		
	t	16	18	18	20	20	22		
	L	210	250	280	340	410	480		
	H	107	124	129	146	166	188		
	Weight(Kg)	11.3	16.8	23.2	32.5	48.1	67.9		
	Ød	50	65	80	100	125	150		
	ØD	130	155	180	200	235	265		
JIS 5K (JIS F7359)	ØC	105	130	145	165	210	230		
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-19		
	t	16	18	18	20	20	22		
	L	100	115	130	150	170	190		
	H	77	81	84	96	108	125		
	Weight(Kg)	9.5	13.8	18.9	25.6	36.7	50.9		

REMARK: 1.The flanges shall conform to nominal pressure 5K of JIS B 2210

TYPE DESIGNATION			
MCI-LCV	JIS 10K LIFT CHECK GLOBE VALVES	Ref.to JIS F7358	
MCI-LCAV	JIS 10K LIFT CHECK ANGLE VALVES	Ref.to JIS F7359	



Bolted Bonnet Renewable seat Flanged Ends		
MATERIALS		
NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	BONNET	CAST IRON
3	DISC	BRONZE/STAINLESS STEEL
4	VALVE SEAT	BRONZE/STAINLESS STEEL
5	BUSH	BRONZE/STAINLESS STEEL
6	STUD BOLT	STEEL
7	HEXAGON NUT	STEEL
8	SET SCREW	STEEL
9	GASKET	NON ASBESTOS

FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm ²)		
Fluid Condition	Rating	JIS 10K
Oil and Pulsation Water		10
Non-Shock Water up to 120 °C		14

DIMENSIONS		Unit:mm									
RATING	SIZE	50A	65A	80A	100A	125A	150A	200A			
		Ød	50	65	80	100	125	150			
JIS 10K (JIS F7358)	ØD	155	175	185	210	250	280				
	ØC	120	140	150	175	210	240				
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23				
	t	20	22	22	24	24	26				
	L	220	270	300	350	420	490				
	H	107	124	129	146	166	188				
JIS 10K (JIS F7359)	SIZE	50A	65A	80A	100A	125A	150A	200A			
	Ød	50	65	80	100	125	150	200			
	ØD	155	175	185	210	250	280	330			
	ØC	120	140	150	175	210	240	280			
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23			
	t	20	22	22	24	24	26	26			
	L	120	130	140	160	180	205	230			
	H	77	81	84	95	108	125	157			

REMARK: 1.The flanges shall conform to nominal pressure 10K of JIS B 2210

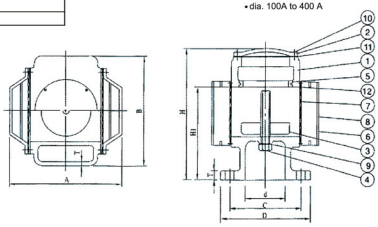
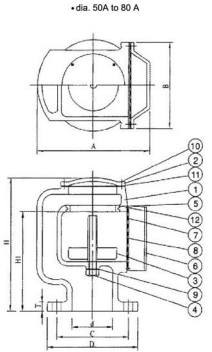
TYPE DESIGNATION		JISCS91A-121	
MCI-AVH	CAST IRON AIR VENT HEAD VALVE		

KEY WORD FOR OUR AIR VENT HEAD

In designing a ventilating system, the designer are to get a straight pipe line as possible, avoiding all other connection which may cause excessive pressure losses. In this regards, the cross sectional areas of our air vent head has been considered so as to be large enough to permit the air to flow at moderate velocities,keeping smaller volume and weight. Our design can contribute much to economy of system operation,abrupt changes in vent size of direction are always to be considered.

- ADVANTAGE**
- The testing result of momentary tightness of the disc shows excellent in the worst condition(40 inclining)
 - The compact simple figure small area
 - Light weight will help easy handling and have the advantage of lighting the ship
 - Our disc has been devised not to occur crack or damage in repeated reciprocating motion.it means our AIR VENT HEAD will not bring after service problem in a longer actual seagoing

MATERIALS		
NO.	PARTS	MATERIAL
1	BODY	FC/ICD
2	TOP COVER	
3	DISC	SUS 304
4	GUIDE BAR	
5	SEAT PACKING	NBR
6	SCREEN COVER	SS41
7	WIRE NET	SUS304
8	NET FRAME	SS41
9	PACKING	NBR
10	HEX BOLT	SUS 304
11	PACKING	NBR
12	HEX BOLT	SUS 304

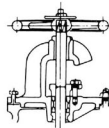
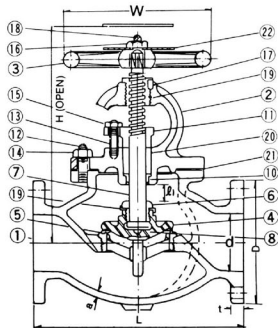


DIMENSIONS		Unit:mm														
SIZE	50	65	80	100	125	150	200	250	300	350	400					
d	50	65	80	100	125	150	200	250	300	350	400					
D	130	155	180	200	235	265	320	385	430	480	540					
C	105	150	145	165	200	230	280	345	390	435	495					
A	171	199	231	242	267	304	386	489	558	630	663					
B	131	146	158	256	297	336	444	568	648	739	749					
H	183	224	266	231	266	311	367	453	524	595	670					
HI	117	141	173	144	171	202	233	291	347	397	475					
t	7	7	7	8	8	9	9	9	10	12	12					
Weight(kg)	10.4	12.5	14.4	18	28	39	74	105	146	199	276					

TYPE DESIGNATION

MCS-GLV JIS 5K GLOBE VALVES

JIS F7311



JISF 7311 (KS 7311)

Bolted Bonnet Rising Stem
Renewable seat Flanged Ends

MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST STEEL
2	BONNET	CAST STEEL
3	HAND WHEEL	CAST IRON
4	DISC	BRONZE/STAINLESS STEEL
5	BODY SEAT	BRONZE/STAINLESS STEEL
6	DISC GLAND	BRONZE/STAINLESS STEEL
7	STEM	BRONZE/STAINLESS STEEL
8	WHASER	ALLOY TOOL STEEL
9	BUSH	BRONZE
10	PACKING RING	BRONZE/STAINLESS STEEL
11	PACKING GLAND	BRONZE
12	BONNET BOLT	ROLLED STEEL
13	PACKING GLAND BOLT	ROLLED STEEL
14	BONNET NUT	ROLLED STEEL
15	PACKING GLAND NUT	ROLLED
16	HANDLE NUT	BRASS
17	SET SCREW	ROLLED STEEL
18	SPLIT PIN	BRASS WIRE
19	DISC STOPPER	BRASS PLATE/STAINLESS STEEL
20	PACKING	ASBESTOS
21	GASKET	ASBESTOS
22	NAME PLATE	BRASS PLATE

Unit:mm

FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)

Fluid Condition	Rating	Max Working Pressure (kgf/cm ²)
		5
Steam up to 220 °C		
Air,Gas,Oil and Pulsation Water		*5
Non-Shock Water up to 120 °C		7

Without Air and Gas

TEST PRESSURE(kgf/cm²)

RATING	JIS 5K (JIS F7311)
HYDROSTATIC PRESS TEST(SHELL)	10.5
HYDROSTATIC PRESS TEST(SEAT)	7.7

DIMENSIONS

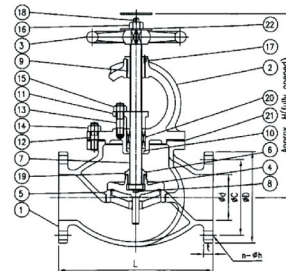
RATING	SIZE	50	65	80	100	125	150	200	250	300
JIS 5K (up to size 200ks 7311)	Ød	50	6	80	100	100	125	150	200	250
	L	210	250	280	340	410	480	570	740	840
	a	8	9	9	10	11	12	15	17	18
	H	270	300	310	360	390	445	530	795	930
	W	160	180	180	224	250	280	315	355	400
	h	17	22	27	33	42	50	67	138	165
	Weight(Kg)	16.2	23.4	30	45	63	88	153	230	309

REMARK: 1 The flanges shall conform to nominal pressure 5K of JIS B 2120
2 The name plate shall be specified by purchaser as required

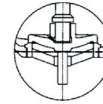
TYPE DESIGNATION

MCS-GLV JIS 10K GLOBE VALVES

JIS F7319



Indicator



Screw Down Non Return
(SDNR)

Bolted Bonnet Rising Stem
Renewable seat Flanged Ends

MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST STEEL
2	BONNET	CAST STEEL
3	HANDWHEEL	CAST IRON
4	DISC	BRONZE / STAINLESS STEEL
5	VALVE SEAT	BRONZE / STAINLESS STEEL
6	PACKING BUSH	BRONZE / STAINLESS STEEL
7	STEM	BRONZE / STAINLESS STEEL
8	WASHER FOR STEM	BRONZE / STAINLESS STEEL
9	BONNET BUSH	BRONZE
10	PACKING BUSH	BRONZE
11	PACKING GLAND	STEEL
12	STUD BOLT	STEEL
13	STUD BOLT	STEEL
14	HEXAGON NUT	STEEL
15	HEXAGON NUT	STEEL
16	HEXAGON NUT	STEEL
17	LOCK PIN	BRASS
18	SPLIT PIN	BRASS
19	DISC LOCK WASHER	BRASS / STAINLESS STEEL
20	PACKING	NON ASBESTOS
21	GASKET	NON ASBESTOS
22	WASHER	STEEL

FLUID CONDITION & MAX.WORKING PRESSURE (kgf/cm²)

Fluid Condition	Rating	Max Working Pressure (kgf/cm ²)
		10
Steam 300 °C		10
Steam up to 220 °C		
Air,Gas,Oil and Pulsation Water		12
Non-Shock Water up to 120 °C		14

Without Air and Gas

TEST PRESSURE(kgf/cm²)

RATING	JIS 10K (JIS F7319)
HYDROSTATIC PRESS TEST(SHELL)	21
HYDROSTATIC PRESS TEST(SEAT)	15.4

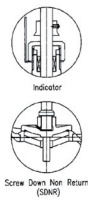
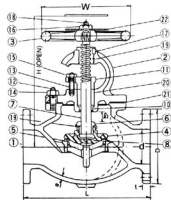
DIMENSIONS

RATING	SIZE	50	65	80	100	125	150	200	250	300
JIS 10K (JIS F7319)	Ød	155	175	185	210	250	280	330	400	445
	L	120	140	150	175	210	240	290	355	400
	a	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	15-25
	H	16	18	18	18	20	22	22	24	24
	W	220	270	300	350	420	490	570	740	840
	h	17	20	300	310	355	415	470	565	645
	Weight(Kg)	17.9	26.0	29.8	44.7	70.3	96.3	159	257	370

REMARK: 1 The flanges shall conform to nominal pressure 10K of JIS B 2120
2 The name plate shall be specified by purchaser as required

TYPE DESIGNATION

MBC-GLV	JIS 5K GLOBE SCREW-DOWN CHECK VALVES	JIS F7353C
MBC-GLV	JIS 10K GLOBE SCREW-DOWN CHECK VALVES	JIS F7471



FLUID CONDITION & MAX. WORKING PRESSURE (kgf/cm²)

	Max Working Pressure (MPa)	
Fluid Condition	JIS 5K	JIS 10K
Steam of 350℃		
Steam of 300 ℃	5	10
Steam up to 220 ℃	7	12
Air,Gas,Oil and Pulsation Water	7	12
Non-Shock Water up to120℃	8	14

DIMENSIONS

RATING		SIZE	50A	65A	80A	100A	125A	150A	200A	250A	300A	350A	400A
JIS 5K (JIS F7353C)	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	16-25	16-25	
	L	16	18	18	20	22	24	26	28	30	30	30	
	L	210	250	280	340	410	480	570	740	840	940	1050	
	H	270	300	310	363	390	445	520	650	740	840	940	
	Weight(kg)	16.2	23.4	30	45	63	88	133	230	309	426	647	
	Ød	50	65	80	100	125	150	200	250	300			
	ØD	155	175	185	210	250	280	330	400	445			
JIS 10K (JIS F7471)	ØC	120	140	150	175	210	240	290	355	400			
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	16-25			
	L	16	18	18	20	22	24	26	28	30			
	L	220	270	300	350	420	490	570	740	840			
	H	270	300	310	355	415	470	565	645	735			
	Weight(kg)	17.9	28.0	29.8	44.7	70.3	96.3	159	257	370			

REMARK: 1 The flanges shall conform to nominal pressure 5K,10K of JIS B 2210

2 The name plate shall be specified by purchaser as required

MATERIALS

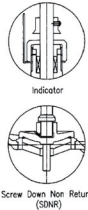
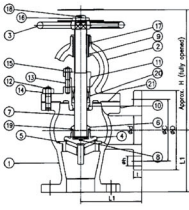
NO.	PARTS	MATERIAL
1	BODY	CAST STEEL
2	BONNET	CAST STEEL
3	HANDWHEEL	CAST IRON
4	DISC	BRONZE / STAINLESS STEEL
5	VALVE SEAT	BRONZE / STAINLESS STEEL
6	PACKING BUSH	BRONZE / STAINLESS STEEL
7	STEM	BRONZE / STAINLESS STEEL
8	WASHER FOR STEM	BRONZE / STAINLESS STEEL
9	BONNET BUSH	BRONZE
10	PACKING BUSH	BRONZE
11	PACKING GLAND	STEEL
12	STUD BOLT	STEEL
13	STUD BOLT	STEEL
14	HEXAGON NUT	STEEL
15	HEXAGON NUT	STEEL
16	HEXAGON NUT	STEEL
17	LOCK PIN	STEEL
18	SPLIT PIN	BRASS
19	DISC LOCK WASHER	BRASS / STAINLESS STEEL
20	PACKING	NON ASBESTOS
21	GASKET	NON ASBESTOS
22	WASHER	STEEL

TEST PRESSURE (kgf/cm²)

RATING	JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST(SHELL)	10.5	21
HYDROSTATIC PRESS TEST(SEAT)	7.7	15.4

TYPE DESIGNATION

MCS-AGV	JIS 5K ANGLE VALVES	JIS F7312
MCS-AGV	JIS 10K ANGLE VALVES	JIS F7320



FLUID CONDITION & MAX. WORKING PRESSURE (kgf/cm²)

	Max Working Pressure (cm²)	
Fluid Condition	JIS 5K	JIS 10K
Steam of 300 ℃	5	10
Steam up to 220 ℃	7	12
Air,Gas,Oil and Pulsation Water	7	12
Non-Shock Water up to120℃	8	14

DIMENSIONS

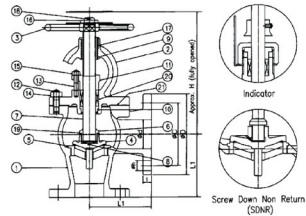
RATING		SIZE	50A	65A	80A	100A	125A	150A	200A	250A	300A	400A
JIS 5K (JIS F7312)	Ød	50	65	80	100	125	150	200	250	300		
	ØD	130	155	180	200	235	265	320	385	430		
	ØC	105	130	145	165	200	230	280	345	390		
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-19	8-23	12-23	12-23		
	L	16	18	18	20	22	24	26	28	30		
	L	100	115	130	150	170	190	220	275	310		
	H	240	255	265	310	330	380	450	540	610		
	Weight(kg)	12.9	18.2	23.4	33.7	46.2	63.4	105	178	275		
	SIZE	50A	65A	80A	100A	125A	150A	200A	250A	300A		
	Ød	50	65	80	100	125	150	200	250	300		
JIS 10K (JIS F7320)	ØD	155	175	185	210	250	280	330	400	445		
	ØC	120	140	150	175	210	240	290	355	400		
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	16-25		
	L	16	18	18	20	22	24	26	28	30		
	L	120	130	140	160	180	205	230	290	320		
	H	240	280	265	300	350	400	480	535	610		
	Weight(kg)	16.3	23.0	25.3	37.0	57.1	77.2	115	198	296		

REMARK: 1 The flanges shall conform to nominal pressure 5K,10K of JIS B 2210

2 The name plate shall be specified by purchaser as required

TYPE DESIGNATION

MCS-AGV	JIS 5K ANGLE SCREW-DOWN CHECK VALVES	JIS F7354C
MCS-AGV	JIS 10K ANGLE SCREW-DOWN CHECK VALVES	JIS F7472



FLUID CONDITION & MAX. WORKING PRESSURE (kgf/cm²)

Fluid Condition	Max.Working Pressure (cm²)	
	JIS 5K	JIS 10K
Steam of 300 °C	5	10
Steam up to 220 °C	7	12
Air/Gas,Oil and Pulsation Water	7	12
Non-Shock Water up to120 °C	8	14

DIMENSIONS

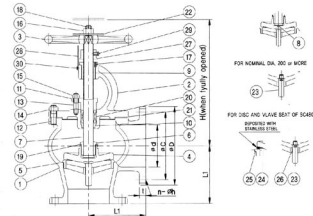
RATING	SIZE	Unit:mm									
		50A	65A	80A	100A	125A	150A	200A	250A	300A	
JIS 5K (JIS F7354C)	Ød	50	65	80	100	125	150	200	250	300	
	ØD	130	155	180	200	235	265	320	385	430	
	ØC	105	130	145	165	200	230	280	345	390	
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-19	8-23	12-23	12-23	
	L	16	18	18	20	22	24	26	28	28	
	L	100	115	130	150	170	190	220	275	310	
	H	240	255	265	310	330	380	450	540	610	
	Weight(Kg)	12.9	18.2	23.4	33.7	48.2	63.4	105	178	275	
	SIZE	50A	65A	80A	100A	125A	150A	200A	250A	300A	
	Ød	50	65	80	100	125	150	200	250	300	
JIS 10K (JIS F7472)	ØD	156	175	185	210	250	280	330	400	445	
	ØC	120	140	150	175	210	240	290	355	400	
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-25	19-25	19-25	
	L	16	18	18	18	20	22	22	24	24	
	L	120	130	140	160	180	205	230	290	320	
	H	240	260	265	300	350	400	480	535	610	
	Weight(Kg)	16.3	23.0	25.3	37.0	57.1	77.2	116	188	256	

REMARK: 1. The flanges shall conform to nominal pressure 5K and 10K of JIS B2210

2. The name plate shall be specified by purchaser as required

TYPE DESIGNATION

MCS-HUAV	JIS 5K HULL ANGLE VALVES	JIS F7350
MCS-HUAV	JIS 10K HULL ANGLE VALVES	JIS F7350



FLUID CONDITION & MAX.WORKING PRESSURE(kg/cm²)

Fluid Condition	Max.Working Pressure(kg/cm²)			
	Nominal dia. up to 200	Nominal dia. 200 & 300		
Sea water and bilge	Class B	Class S	Class B	Class S
	10		7	10

TEST PRESSURE (kgf/cm²)

NOMINAL DIA.	Up to 200	200 & 300
HYDROSTATIC PRESS TEST (SHELL)	15	15
HYDROSTATIC PRESS TEST (SEAT)	11	11

DIMENSIONS

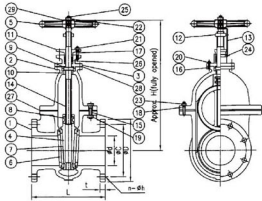
RATING	SIZE	50A	65A	80A	100A	125A	150A	200A	250A	300A	Unit:mm
		Ød	50	65	80	100	125	150	200	250	300
JIS 5K (JIS F7350)	ØD	130	155	180	200	235	265	320	385	430	
	ØC	105	130	145	165	200	230	280	345	390	
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-19	8-23	12-23	12-23	
	L	16	18	18	18	20	22	22	24	24	
	L	120	130	140	160	180	205	230	290	320	
	H	265	290	300	340	400	455	555	625	720	
	Weight(Kg)	16.5	23.3	25.5	37.3	57.7	78	117	190	258	
	SIZE	50A	65A	80A	100A	125A	150A	200A	250A	300A	
	Ød	50	65	80	100	125	150	200	250	300	
	ØD	155	175	185	210	250	280	330	400	445	
JIS 10K (JIS F7350)	ØC	120	140	150	175	210	240	290	355	400	
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	19-25	
	L	16	18	18	18	20	22	22	24	24	
	L	120	130	140	160	180	205	230	290	320	
	H	265	290	300	340	400	455	555	625	720	
	Weight(Kg)	16.5	23.3	25.5	37.3	57.7	78	117	190	258	

REMARK: 1. The flanges shall conform to nominal pressure 5K and 10K of JIS B2210

2. The name plate shall be specified by purchaser as required

TYPE DESIGNATION

MCS-HUGV	JIS 10K HULL GATE VALVES	JIS F7360
MCS-GV	JIS 5K GATE VALVES	JIS F7363C
MCS-GV	JIS 10K GATE VALVES	JIS F7366



FLUID CONDITION & MAX.WORKING PRESSURE(kg/cm²)

Fluid Condition	Max. Working Pressure(kg/cm²)				
	JIS 10K(JIS F7360)		JIS 10K(JIS F7366)		
	Up to 400A	450 to 500A	Up to 250A	250 to 400A	Up to 200A
Sea water and bilge	10	2			
Saturated Steam			7	5	
Oil and Purification Water			5	10	
New Shock Water up to 120°C			7	14	

TEST PRESSURE (kgf/cm²)

RATING	JIS 10K(JIS F7360)	JIS 5K(JIS F7363C)	JIS 10K(JIS F7366)
SIZE	Up to 400A	450 to 500A	300 to 400A
HYDROSTATIC PRESS TEST (SHELL)	15	5	21
HYDROSTATIC PRESS TEST (SEAT)	11	2.5	13.2

DIMENSIONS

RATING	SIZE	Unit:mm														
		50A	65A	80A	100A	125A	150A	200A	250A	300A	350A	400A	450A	500A	600A	700A
JIS 10K (JIS F7360)	Ød	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700
	ØD	150	175	185	210	250	280	330	400	445	480	540	600	660	760	860
	ØC	120	140	150	175	210	240	290	355	400	445	510	560	620	720	820
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	16-25	16-25	16-27	16-27	16-27	16-27	16-27
	t	16	18	18	18	20	22	22	24	24	26	28	30	30	30	30
	L	200	220	230	250	270	290	340	380	420	450	480	510	540	570	600
	H	300	350	400	450	520	580	700	840	960	1050	1150	1250	1350	1450	1550
	Weight(Kg)	17.1	26.5	31.5	44.9	63.2	82.3	130	203	291	368	507	607	707	846	985
	Ød	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700
	ØD	130	150	160	180	200	225	265	305	345	380	420	460	500	600	700
JIS 5K (JIS F7363C)	ØC	105	130	145	165	200	230	280	345	390	435	495	540	600	700	800
	N-Øh	4-15	4-15	4-19	8-19	8-19	8-19	8-23	12-23	12-23	12-25	16-25	16-25	16-25	16-25	16-25
	t	16	18	18	20	20	22	24	26	28	30	30	30	30	30	30
	L	180	190	200	230	250	270	290	330	370	410	470	510	540	570	600
	H	285	330	380	430	495	560	680	800	920	1000	1100	1200	1300	1400	1500
	Weight(Kg)	13.5	19.6	24.2	35.3	48.1	65.3	103	164	236	307	405	485	565	665	765
	Ød	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700
	ØD	105	125	135	155	175	200	230	280	330	370	410	450	490	590	690
	ØC	120	140	150	175	210	240	290	355	400	445	510	560	620	720	820
	N-Øh	4-19	4-19	8-19	8-19	8-23	8-23	12-23	12-25	16-25	16-25	16-27	16-27	16-27	16-27	16-27
JIS 10K (JIS F7366)	t	16	18	18	20	20	22	24	26	28	30	30	30	30	30	30
	L	200	220	230	250	270	290	340	380	420	450	480	510	540	570	600
	H	300	350	400	450	520	580	700	840	960	1050	1150	1250	1350	1450	1550
	Weight(Kg)	17.1	26.5	31.5	44.9	63.2	82.3	130	203	291	368	507	607	707	846	985

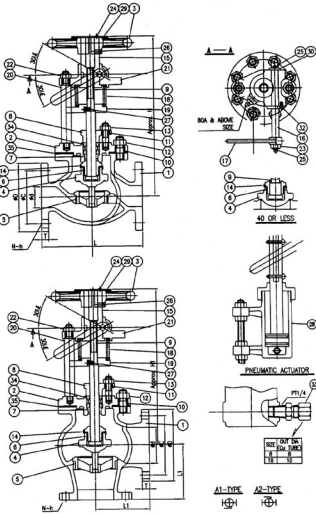
REMARK: 1 The flanges shall conform to nominal pressure 16.10k or JIS B2210

2 The name plate shall be installed by purchaser as required.

YOKO SUN 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.

TYPE DESIGNATION

MBC-ESV	FUEL OIL TANK EMERGENCY SHUT-OFF VALVES	JIS F7399
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TEST PRESSURE(kg/cm²)

RATING	JIS 10K
HYDROSTATIC PRESS TEST (SHELL)	7
HYDROSTATIC PRESS TEST (SEAT)	2

DIMENSIONS

RATING	SIZE	Unit:mm														
		50A	65	100	150	200	250	300	350	400	450	500	600	700	800	900
JIS 10K (JIS F7399)	50A	50	65	100	120	140	160	180	200	220	240	260	280	300	320	340
	65A	65	100	120	140	160	180	200	220	240	260	280	300	320	340	360
	100A	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380
	150A	150	180	200	220	240	260	280	300	320	340	360	380	400	420	440
	200A	200	220	240	260	280	300	320	340	360	380	400	420	440	460	480

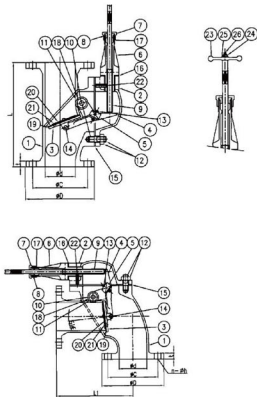
REMARK: The flanges of nominal diameter 40 or less shall conform to JIS B 2240-10k and the flanges of nominal diameter 50 or more shall conform to JIS B 2210-10k.

However they may refer to JIS B2240-10k or JIS B2210-10k.

YOKO SUN 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.

TYPE DESIGNATION

MBC-VSTMV/ASTMV	JIS 5K/10K BRONZE VERTICAL / ANGLE STORM VALVES	JIS F3059
MST-VSTMV/ASTMV	JIS 5K/10K CAST STEEL VERTICAL / ANGLE STORM VALVES	JIS F3060



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST STEEL/BRONZE
2	COVER	CAST STEEL/BRONZE
3	VALVE PLATE	BRONZE
4	ARM	BRONZE
5	COUNTERWEIGHT	LEAD
6	SPINDLE BOX	BRONZE
7	PACKING GLAND NUT	BRONZE
8	PACKING GLAND	BRONZE
9	STEM	BRASS
10	PLUG	BRASS
11	WASHER	BRASS
12	STUD BOLT & NUT	STEEL/STAINLESS STEEL
13	HEXAGON BOLT & NUT	STEEL/BRASS
14	HEXAGON BOLT & NUT	STEEL/BRASS
15	GASKET	NON ASBESTOS
16	GASKET	NON ASBESTOS
17	PACKING	NON ASBESTOS
18	GASKET	NON ASBESTOS
19	GASKET	OIL RESISTING RUBBER
20	SET PLATE	BRASS
21	SET SCREW	BRASS
22	SET SCREW	BRASS
23	HANDLE	CAST IRON
24	HEXAGON NUT	STEEL/BRASS
25	WASHER	STEEL/BRASS
26	SPLIT PIN	BRASS

TEST PRESSURE (kgf/cm²)

RATING	JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST (SHELL)	5.1	5.1

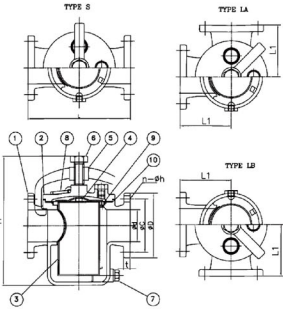
DIMENSIONS

RATING	SIZE	Ød	FLANGE JIS 5K FF				L	L1
			ØD	ØC	n-Øh	t		
JIS 5K	50A	50	130	105	4-15	14	210	170
	65A	65	155	130	4-15	14	240	200
	80A	80	180	145	4-19	14	260	220
	100A	100	200	165	8-19	16	280	250
	125A	125	235	200	8-19	16	330	270
	150A	150	265	230	8-19	18	360	310
RATING	SIZE	Ød	FLANGE JIS 10K FF				L	L1
			ØD	ØC	n-Øh	t		
JIS 10K	50A	50	155	120	4-19	14	210	170
	65A	65	175	140	4-19	14	240	200
	80A	80	185	150	8-19	14	260	220
	100A	100	210	175	8-19	16	280	250
	125A	125	250	210	8-23	16	330	270
	150A	150	280	240	8-23	18	360	310

REMARK: The flanges shall conform to nominal pressure 5k and 10k

TYPE DESIGNATION

MCI-CWF	JIS 5K CAN WATER FILTER	JIS F7121
MCI-CWF	JIS 10K CAN WATER FILTER	JIS F7121



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	COVER	CAST IRON
3	STRAINER CYLINDER	STEEL/STAINLESS STEEL
4	STRAINER HANDLE	STEEL/STAINLESS STEEL
5	COVER PUSHER	DUCTILE IRON/STEEL
6	PUSHING BOLT	STEEL/BRASS
7	PLUG	BRASS
8	HANDLE OF COVER	STEEL
9	SET SCREW	STEEL/STAINLESS STEEL
10	GASKET	RUBBER

TEST PRESSURE(kgf/cm²)

RATING	JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST(SHELL)	3	3

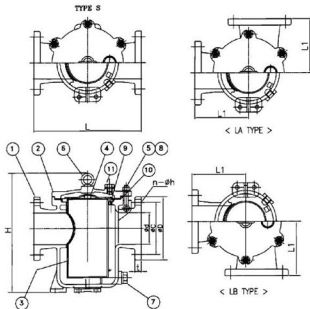
DIMENSIONS

RATING	SIZE	Ød	ØD	ØC	N-Øh	t	L	L1	H	Weight(kg)
JIS 5K (JIS F7121)	25A	25	95	75	4-12	14	170	85	180	5.05
	32A	40	115	90	4-15	16	190	95	215	8.23
	40A	40	120	95	4-15	16	190	95	215	8.43
	50A	50	130	105	4-15	16	200	100	240	10.3
	65A	65	155	130	4-15	18	250	125	305	18.5
	80A	80	180	145	4-19	18	270	135	340	24
JIS 10K (JIS F7121)	100A	100	200	165	8-19	20	320	160	400	35.7
	25A	25	125	90	4-19	14	170	85	180	5.34
	32A	40	135	100	4-19	16	120	95	215	8.65
	40A	25	125	105	4-19	16	130	95	215	8.85
	50A	32	135	120	4-19	16	160	100	240	10.82
	65A	40	140	140	4-19	18	180	125	305	19.45
JIS 10K (JIS F7121)	80A	80	185	150	8-19	18	270	135	340	25.2
	100A	100	210	175	8-19	20	320	160	400	37.5

REMARK: 1.The flanges shall conform to nominal pressure 5K and 10K of JIS B2101
2.The diameter and pitch of strainer cylinder holes shall be 8mm and 11mm
3.The total area of filtering holes shall be approximately 4 time or more the area of inlet part after galvanizing

TYPE DESIGNATION

MCI-CWF	JIS 5K CAN WATER FILTER	JIS F7121
MCI-CWF	JIS 10K CAN WATER FILTER	JIS F7121



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	COVER	CAST IRON
3	STRAINER CYLINDER	STEEL/STAINLESS STEEL
4	STRAINER HANDLE	STEEL/STAINLESS STEEL
5	HINGE BOLT	BRASS
6	EYE BOLT	FORGED STEEL
7	PLUG	BRASS
8	PIN	BRASS
9	NUT	BRASS/STAINLESS STEEL
10	GASKET	RUBBER
11	PLUG	BRASS

TEST PRESSURE(kg/cm²)

RATING	JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST(SHELL)	3	3

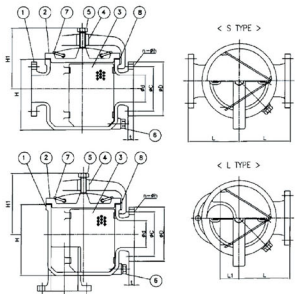
DIMENSIONS

Unit:mm											
RATING	SIZE	Ød	ØD	ØC	N-Øh	I	L	L1	H	H1	Weight(kg)
JIS 5K (JIS F7121)	125A	125	235	200	8-19	20	400	200	485	62.2	10.5
	150A	150	265	230	8-19	22	460	230	575	88.6	17.7
	200A	200	320	280	8-23	24	550	275	665	141	29.7
	250A	250	385	345	12-23	26	680	340	825	246	50.6
	300A	300	430	390	12-23	28	760	380	920	321	67.4
	350A	335	480	435	12-25	30	820	410	1030	426	91.9
JIS 10K (JIS F7121)	400A	380	540	495	16-25	30	880	440	1135	518	110.2
	125A	125	250	210	8-23	20	400	200	485	65.32	18.59
	150A	150	280	240	8-23	22	460	230	575	93.03	31.19
	200A	200	330	290	12-23	24	550	275	665	148.05	38.02
	250A	250	400	355	12-25	26	680	340	825	258.3	56.6
	300A	300	445	400	16-25	28	760	380	920	337.05	77.45
JIS 10K (JIS F7121)	350A	335	490	445	16-25	30	820	410	1030	449.4	103.25
	400A	380	560	510	16-27	30	880	440	1135	544	126.8

REMARK: 1.The flanges shall conform to nominal pressure 5K and 10K of JIS B2219
2.The diameter and pitch of strainer cylinder holes shall be 8mm and 11mm
3.The total area of filtering holes shall be approximately 4 times or more the area of inlet part after galvanizing

TYPE DESIGNATION

MCI-MB	JIS 5K MARINE MUD BOXES	JIS F7203
MCI-MB	JIS 10K MARINE MUD BOXES	JIS F7203



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	COVER	CAST IRON
3	STRAINER PLATE	STEEL/STAINLESS STEEL
4	COVER YOKE	STEEL
5	YOKE BOLT	STEEL
6	PLUG	BRASS
7	HANDLE OF COVER	STEEL
8	GASKET	RUBBER

TEST PRESSURE(kg/cm²)

RATING	JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST(SHELL)	1	1

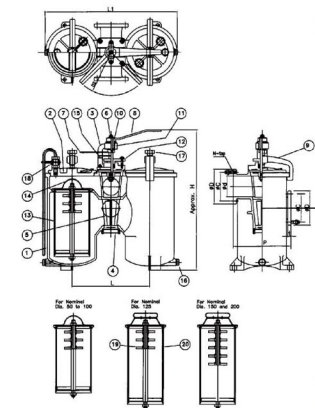
DIMENSIONS

Unit:mm											
RATING	SIZE	Ød	ØD	ØC	N-Øh	I	L	L1	H	H1	Weight(kg)
JIS 5K (JIS F7203)	40A	40	120	95	4-15	16	90	22.5	128	145	10.5
	50A	50	130	105	4-15	16	120	40	160	145	17.7
	65A	65	155	130	4-15	18	150	52.5	206	180	29.7
	80A	80	180	145	4-19	18	160	55	231	195	34.3
	100A	100	200	165	8-19	20	190	70	262	225	48.2
	125A	125	235	200	8-19	20	235	87.5	354	275	92.8
JIS 10K (JIS F7203)	150A	150	265	230	8-19	22	280	110	437	320	156
	200A	200	330	280	8-23	24	330	135	540	405	305
	250A	250	385	345	12-23	26	380	155	680	525	435
	300A	300	440	400	12-25	28	440	175	815	615	556
	350A	335	490	445	16-25	30	490	200	945	715	745
	400A	380	540	495	16-27	30	540	225	1045	795	945
JIS 10K (JIS F7203)	40A	40	120	95	4-19	16	90	22.5	128	145	11.02
	50A	50	155	120	4-19	18	120	40	160	145	18.59
	65A	65	175	140	4-19	18	150	52.5	206	180	31.19
	80A	80	185	150	8-19	18	160	55	231	195	38.02
	100A	100	210	175	8-19	20	190	70	262	225	50.6
	125A	125	250	210	8-23	20	235	87.5	354	275	97.45
JIS 10K (JIS F7203)	150A	150	280	240	8-23	22	280	110	437	320	163.8
	200A	200	330	290	12-23	24	330	135	540	405	320.25
	250A	250	400	355	12-25	26	380	155	680	525	456.8

REMARK: 1.The flanges shall conform to nominal pressure 5K and 10K of JIS B2219
2.The total area of filtering holes shall be approximately 4 times or more the area of inlet part after galvanizing

TYPE DESIGNATION

MCI-DOS	JIS 5K DUPLEX OIL STRAINER(H-TYPE)	JIS F7208
MCI-DOS	JIS 10K DUPLEX OIL STRAINER(H-TYPE)	JIS F7208



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	COVER	CAST IRON
3	UPPER COCK COVER	CAST IRON
4	LOWER COCK COVER	CAST IRON
5	COCK	BRONZE
6	COCK SHAFT	STEEL
7	COCK CHAIN HANDLE	STEEL
8	COCK LIFT HANDLE	STEEL
9	COVER YOKE	DUCTILE IRON/STEEL
10	LIFTING THREAD	STEEL
11	SCREW RING	BRONZE
12	PACKING GLAND	BRONZE
13	STRAINER CYLINDER	STEEL
14	STRAINER HANDLE	STEEL
15	INDICATOR	BRASS
16	PLUG	BRASS
17	COVER PUSHING BOLT	BRASS
18	AIR VENT COCK	BRONZE
19	MAGNET	BRONZE
20	WIRE GAUZE	STAINLESS STEEL

TEST PRESSURE (kgf/cm²)

RATING	JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST(SHELL)	6	6
HYDROSTATIC PRESS TEST(COCK)	4.4	4.4

DIMENSIONS

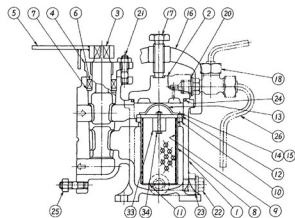
RATING		SIZE	φd	φD	φC	N-lap	t	L	L1	H	p	Weight(kg)
JIS 5K (JIS F7208)	65A	50	130	106	4-M12	17	260	415	516	180	47	83
	80A	65	155	130	4-M12	18	324	514	661	215	83	130
	100A	80	180	145	4-M16	18	380	600	685	245	132	202
	125A	100	200	165	8-M16	20	456	718	816	285	202	321
	150A	125	235	200	8-M16	20	544	852	962	330	321	490
	200A	150	265	230	8-M16	22	680	1046	1299	410	567	1185
JIS 10K (JIS F7208)	65A	50	130	106	4-M12	17	260	415	516	180	47	83
	80A	65	155	130	4-M12	18	324	514	661	215	83	130
	100A	80	180	145	4-M16	18	380	600	685	245	132	202
	125A	100	200	165	8-M16	20	544	852	962	330	321	490
	150A	125	235	200	8-M16	20	544	852	962	330	321	490
	200A	150	265	230	8-M16	22	680	1046	1299	410	567	1185

REMARK: 1 The flanges shall conform to nominal pressure 5K and 10K of JIS B 2210

2 The diameter and pitch of strainer cylinder holes shall be 12mm and 15mm respectively

TYPE DESIGNATION

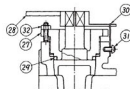
MCI-DOS	DUPLEX OIL STRAINERS FLANGED END JIS 5K	JIS F7202
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Strainer fitted with air cock



Strainer fitted with air plug



O-ring type

MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	BODY COVER	CAST IRON
3	COCK PLUG	BRONZE
4	PACKING GLAND	CAST IRON
5	COCK HANDLE	CARBON STEEL
6	PACKING	ASBESTOS
7	WASHER	ROLLED STEEL
8	STRAINER CYLINDER	STAINLESS STEEL
9	WIRE GAUZE	STAINLESS STEEL
10	STRAINER CYLINDER RING	ROLLED STEEL
11	BOTTOM PLATE OF STRAINER CYLINDER	ROLLED STEEL
12	WIRE GAUZE HOLDER	ROLLED STEEL
13	STRAINER HANDLE AND CYLINDER HOLDER	SPRING STEEL
14	CROSS-RECESSED PAN-HEAD MACHINE SCREW	ROLLED STEEL
15	SPRING WASHER	CARBON STEEL
16	COVER RETAINER	CARBON STEEL
17	COVER RETAINER BOLT	ROLLED STEEL
18	AIR COCK	BRONZE
19	AIR PLUG	ROLLED STEEL
20	GASKET	ASBESTOS
21	STUD AND NUT	ROLLED STEEL
22	PLUG	ROLLED STEEL
23	GASKET	ASBESTOS
24	O-RING	ROLLED STEEL
25	STUD AND NUT	ROLLED STEEL
26	AIR VENT PIPE	CARBON STEEL
27	PACKING GLAND	CAST IRON
28	COCK HANDLE	ROLLED STEEL
29	O-RING	ROLLED STEEL
30	STOPPER	ROLLED STEEL
31	CROSS-RECESSED PAN-HEAD MACHINE SCREW	ROLLED STEEL
32	BOLT AND NUT	ROLLED STEEL
33	MAGNET	MAGNETIC STEEL
34	BOLT AND NUT	ROLLED STEEL

FLUID CONDITION & MAX.WORKING PRESSURE (kgf / cm²)

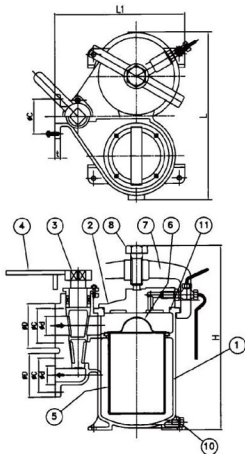
FLUID CONDITION	MAX.WORKING PRESSURE (kgf / cm ²)
OIL OF 80 °C AND UNDER	4 kg / cm ²

DIMENSIONS

SIZE	H	D	d	D1
50	526	130	50	160
65	616	155	65	200
80	696	180	80	230
100	794	200	100	270
125	981	235	125	330

TYPE DESIGNATION

MCI-DOS	JIS 5K SMALL SIZE DUPLEX OIL STRAINERS	JIS F7224
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MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	COVER	CAST IRON
3	COCK PLUG	BRONZE
4	HANDLE	STEEL / STAINLESS STEEL
5	FILTER CYLINDER	STEEL / STAINLESS STEEL
6	STRAINER HANDLE	STEEL
7	COVER YOKE	DUCTILE IRON / STEEL
8	YOKE BOLT	STEEL
9	AIR PURGE COCK	BRONZE
10	DRAIN PLUG	BRASS
11	O-RING	RUBBER

TEST PRESSURE(kgf/cm²)

RATING	JIS 5K
HYDROSTATIC PRESS TEST(SHELL)	5.6
HYDROSTATIC PRESS TEST(COCK)	4.3

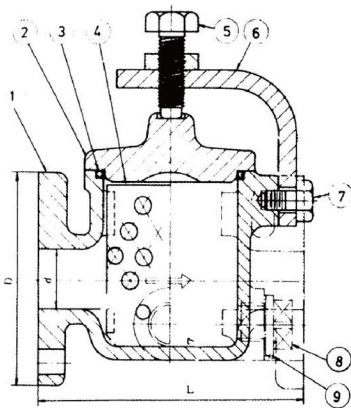
DIMENSIONS

RATING	SIZE	Ød	ØD	ØC	N-tap	1	L	L1	H	Weight(kg)
JIS 5K (JIS F7220)	25A	25	78	75	4-M10	14	196	167	250	16.0
	32A	32	95	90	4-M12	16	240	211	295	25.6
	40A	40	120	95	4-M12	16	280	241	330	31.6

REMARK: 1 The flanges shall both pitch circle diameter of nominal diameter 25 and 32 and the flange of nominal diameter 40 shall conform to nominal pressure 5k of JIS B 2210
2 The diameter and pitch of strainer cylinder holes shall be 8mm / pitch of holes 10mm

TYPE DESIGNATION

MCI-WS	SMALL SIZE WATER STRAINERS- FLANGED END JIS 5K	JIS F7223
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FLUID CONDITION & MAX.WORKING PRESSURE(kgf/cm²)

FLUID CONDITION	MAX. WORKING PRESSURE (kgf / cm²)
WATER OF NORMAL TEMPERATURE	2

TEST PRESSURE(kgf/cm²)

WORKING PRESSURE	2kg / c.c ¹
TEST PRESSURE	3kg / c.c ¹

MATERIALS

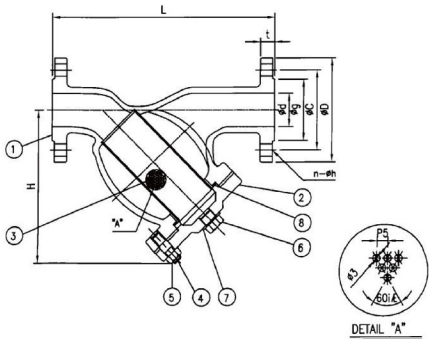
NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	BONNET	CAST IRON
3	"O" RING	SYNTHETIC RUBBER
4	STRAINER PLATE	ROLLED STEEL
5	YOKE OF BOLT	BRASS
6	YOKE OF COVER	ROLLED STEEL
7	BOLT OF YOKE	ROLLED STEEL
8	PLUG	BRASS
9	GASKET	ASBESTOS

DIMENSIONS

SIZE	d	L	D
25	25	150	95
32	32	PF2	115
40	40	180	120

TYPE DESIGNATION

MCI-Y5	JIS 5K Y-TYPE STRAINERS	JIS F7220
MCI-Y5	JIS 10K Y-TYPE STRAINERS	JIS F7220



FLUID CONDITION & MAX.WORKING PRESSURE(kg/cm²)

	Max.Working Pressure(kg/cm²)*	
Fluid Condition	JIS 5K	JIS 10K
Steam of 220°C	5	10
Air and Gas	5	10
Non-Shock Water up to 120°C	7	14

TEST PRESSURE (kgf/cm²)

RATING	JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST (SHELL)	10.5	21

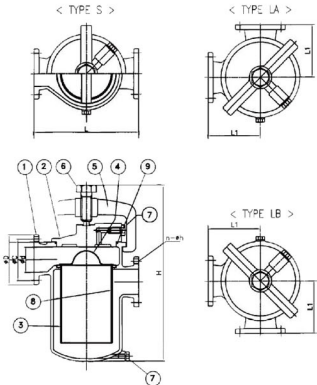
DIMENSIONS

RATING	SIZE	Ød	ØD	ØC	N-Øh	t	L	H	Unit:mm
									Weight(kg)
JIS 5K (JIS F7220)	20A	20	85	65	4-12	14	200	128	4.19
	25A	25	95	75	4-12	14	225	153	6.55
	32A	32	115	90	4-15	16	260	164	8.56
	40A	40	120	95	4-15	16	280	180	10.8
JIS 10K (JIS F7220)	50A	50	130	105	4-15	16	320	208	15.2
	20A	20	100	75	4-15	14	200	128	4.40
	25A	25	125	90	4-19	14	225	153	6.88
	32A	32	135	100	4-19	16	260	164	8.99
JIS 10K (JIS F7209)	25A	25	125	90	4-19	16	280	180	11.35
	40A	40	140	105	4-19	16	320	208	15.97
	50A	50	155	120	4-19	16	320	208	15.97

REMARK: 1 The flanges shall conform to nominal pressure 5k and 10k of JIS B2120

TYPE DESIGNATION

MCI-SO5	JIS 5K SIMPLEX OIL STRAINER	JIS F7209
MCI-SO5	JIS 10K SIMPLEX OIL STRAINER	JIS F7209



TEST PRESSURE (kgf/cm²)

RATING	JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST (SHELL)	7.4	7.4

MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	COVER	CAST IRON
3	FILTER CYLINDER	STEEL/STAINLESS STEEL
4	STRAINER PLATE	STEEL/STAINLESS STEEL
5	COVER YOKE	DUCTILE IRON/STEEL
6	YOKE BOLT	STEEL
7	DRAIN PLUG	BRASS
8	WIRE GAUZE	STAINLESS STEEL
9	O-RING	RUBBER

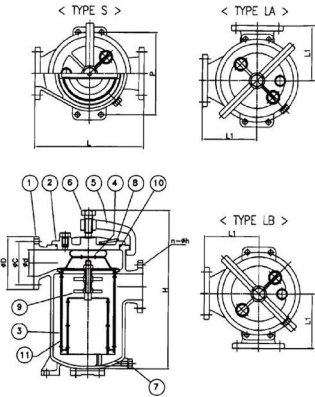
DIMENSIONS

RATING	SIZE	Ød	ØD	ØC	N-Øh	t	L	L1	H	Unit:mm
										Weight(kg)
JIS 5K (JIS F7209)	25A	25	95	75	4-12	14	190	95	240	6.58
	32A	40	115	90	4-15	16	260	130	315	14.8
	40A	40	120	95	4-15	16	260	130	315	15.0
JIS 10K (JIS F7209)	25A	25	125	90	4-19	14	190	95	240	6.91
	32A	40	135	100	4-19	16	260	130	315	15.55
	40A	40	140	105	4-15	16	260	130	315	15.75

REMARK: 1 The flanges shall conform to nominal pressure 5k and 10k of JIS B 2120
2 The diameter and pitch of strainer cylinder holes shall be 8mm pitch of holes 10mm

TYPE DESIGNATION

MCI-S05	JIS 5K SIMPLEX OIL STRAINER	JIS F7209
MCI-S05	JIS 10K SIMPLEX OIL STRAINER	JIS F7209



MATERIALS

NO.	PARTS	MATERIAL
1	BODY	CAST IRON
2	COVER	CAST IRON
3	FILTER CYLINDER	STEEL/STAINLESS STEEL
4	STRAINER HANDLE	STEEL/STAINLESS STEEL
5	COVER YOKE	DUCTILE IRON/STEEL
6	YOKE BOLT	STEEL
7	DRAIN PLUG	BRASS
8	HANDLE OF COVER	STEEL
9	MAGNET	
10	O-RING	RUBBER
11	WIRE GAUZE	STAINLESS STEEL

TEST PRESSURE (kgf / cm²)

RATING	JIS 5K	JIS 10K
HYDROSTATIC PRESS TEST (SHELL)	7.4	7.4

DIMENSIONS

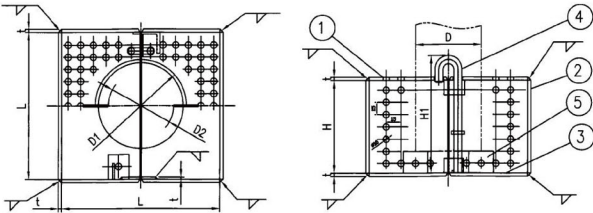
RATING	SIZE	∅		∅C	N-∅h	t	L	L1	H	P	Weight(kg)
		d	D								
JIS 5K (JIS F7209)	50A	50	130	105	4-15	16	280	140	395	200	25.8
	65A	65	155	130	4-15	18	340	170	495	245	43.6
	80A	80	180	145	4-19	18	370	185	525	280	51.0
	100A	100	200	165	8-19	20	420	210	630	315	80.0
	125A	125	235	200	8-19	20	450	225	745	345	107
	150A	150	265	230	8-19	22	470	235	825	370	154
	200A	200	320	280	8-23	24	570	285	970	435	243
	250A	250	385	345	12-23	26	700	350	1140	520	262
	300A	300	430	390	12-23	28	800	400	1220	545	453
		SIZE	∅d	∅D	∅C	N-∅h	t	L	L1	H	P
JIS 10K (JIS F7209)	50A	50	155	120	4-19	16	280	140	395	200	27.1
	65A	65	175	140	4-19	18	340	170	495	245	45.78
	80A	80	185	150	8-19	18	370	185	525	280	53.55
	100A	100	210	175	8-19	20	420	210	630	315	84
	125A	125	250	210	8-23	20	450	225	745	345	112.36
	150A	150	280	240	8-23	22	470	235	825	370	161.7
	200A	200	330	290	12-23	24	570	285	970	435	255.15
	250A	250	400	355	12-25	26	700	350	1140	520	275.1
	300A	300	445	400	16-25	28	800	400	1220	545	475.65
		SIZE	∅d	∅D	∅C	N-∅h	t	L	L1	H	P

REMARK: 1 The Flanges shall conform to nominal pressure 5K and 10K of JIS B 2210

2 The diameter and pitch of strainer cylinder holes shall be 8mm pitch of holes 10mm

TYPE DESIGNATION

MSP-RB	MARINE ROSE BOX	JIS F7206
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MATERIALS

NO.	PARTS	MATERIAL
1	STRAINER PLATE	GALVANIZING STEEL
2	STRAINER PLATE	GALVANIZING STEEL
3	BOTTOM PLATE	GALVANIZING STEEL
4	LOCKING BAR	GALVANIZING STEEL
5	SUPPORT PIECE	GALVANIZING STEEL

DIMENSIONS

SIZE	D	D1	D2	H	H1	H2	t	L
40A	48.5	52	25	65	90	28	3.2	95
50A	69.5	65	25	80	105	35	3.2	110
65A	76.3	82	45	95	120	35	3.2	140
80A	89.1	94	50	110	135	35	3.2	170
100A	114.3	120	80	140	165	40	3.2	200
125A	139.8	145	105	170	200	40	3.2	260
150A	165.2	170	125	200	230	40	3.2	320
200A	216.3	222	180	260	300	55	4.5	380
250A	267.4	272	225	320	360	55	4.5	440
300A	318.5	325	280	350	400	65	4.5	500