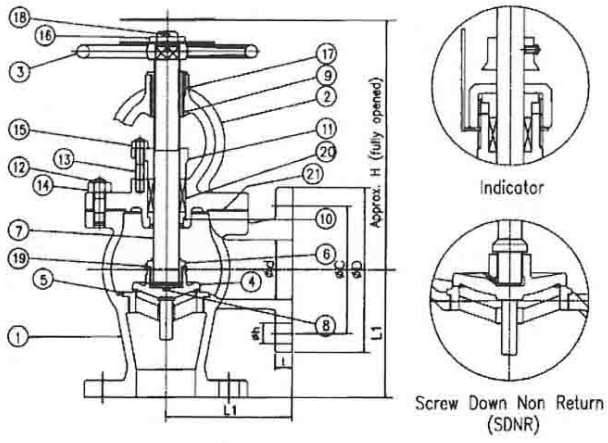
Cast Steel Marine Valves

TYPE DESIGNATION

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



MATERIALS

Bolted Bonnet Renewable seat
Rising Stem Flanged Ends

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	SPUT PIN	BRASS
19	DISC LOCK WASHER	BRASS / STAINLESS STEEL
20	PACKING	NON ASBESTOS
21	GASKET	NON ASBESTOS

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

	Max.Warking Pressure (cm²)	
	JIS 5K	JIS 10K
Fluid Condition		
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

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

Unit:mm

RATING	SIZE	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
	t	16	18	18	20	20	22	24	26	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	46.2	63.4	105	178	275
RATING	SIZE	50A	65A	80A	100A	125A	150A	200A	250A	300A
JIS 10K (JIS F7472)	Ød	50	65	80	100	125	150	200	250	300
	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
	t	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

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