CS STORM VERTICAL JIS 10K SDNR

Screw Down Non-Return Storm Valve · Cast Steel SC49 · JIS 10K Flanged

BRAND: JINHU ENGINEERING | SKU: P-0033 | SIZE 50A TO 150A | JIS 10K / ABS APPROVED



FIG. 1 | CS STORM VERTICAL JIS 10K SDNR, HANDWHEEL OPERATED

PRODUCT OVERVIEW

The SWBM CS Storm Vertical JIS 10K SDNR is a marine storm valve fitted to overboard discharge lines at the ship side. It allows one way discharge of water overboard and prevents seawater from entering the vessel through the outlet.

A hinged bronze disc lifts off the NBR seat under outflow and closes when flow reverses. Turning the handwheel screws the stem down onto the disc to hold it shut in heavy weather or during flooding. The body is cast steel with JIS B2220 10K flanges.

Valve type	**Storm valve, vertical, SDNR**
Operation	**Handwheel, screw down**
Body material	**Cast steel SC49**
End connection	**Flanged, JIS B2220 10K**
Pressure class	**JIS 10K**
Size range	**50A to 150A (2" to 6")**

TECHNICAL SPECIFICATION

Design standard	**JIS F7400**	Stem	**Stainless steel SUS403**
Flange standard	**JIS B2220 10K**	Handwheel diameter	**100 to 125 mm**
Test pressure	**5.1 kgf/cm²**	Configuration	**Vertical, in line**
Body	**Cast steel SC49**	Classification	**ABS approved**
Seat	**NBR rubber**	Service	**Seawater overboard discharge**
Disc	**Bronze BC6**	Country of origin	**Korea**

BILL OF MATERIALS

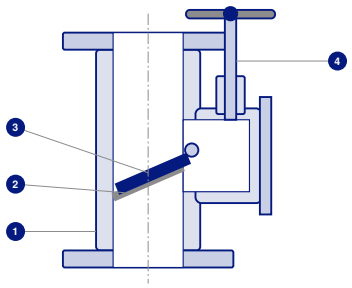


FIG. 2 | SECTIONAL ARRANGEMENT, SCHEMATIC

#	COMPONENT	MATERIAL
1	Body	Cast steel SC49
2	Seat	Rubber NBR
3	Disc	Bronze BC6
4	Stem	Stainless steel SUS403

Materials as per JIS F7400 storm valve construction. Mill test certificate and class certificate copies available on request.

DIMENSIONS AND WEIGHTS

SIZE	INCH	H	D	C	NO. OF HOLES	H	T	D2	WEIGHT (KG)
50A	2"	210	155	120	4	19	16	100	11.5
65A	2.1/2"	240	175	140	4	19	18	100	16.5
80A	3"	260	185	150	8	19	18	125	21.6
100A	4"	280	210	175	8	19	18	125	29.6
125A	5"	330	250	210	8	23	20	125	43.6
150A	6"	360	280	240	8	23	22	125	51.6
200A	8"	459	330	290	12	23	22	125	106.5

All dimensions in mm. H = face to face height, D = flange outside diameter, C = bolt circle diameter, h = bolt hole diameter, t = flange thickness, D2 = handwheel diameter. Size 200A against enquiry. Dimensions and weights are nominal and given for guidance only. Certified drawings are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	P-0033
Size	2", 2.1/2", 3", 4", 5", 6" (50A to 150A)
Flange	JIS B2220 10K
Certification	ABS approved
Order example	**P-0033 / 100A / JIS 10K / ABS**

Contact our sales desk for pricing, availability, project quantities and classification certificate requirements.

PRESSURE AND TEMPERATURE

Pressure class	**JIS 10K**
Test pressure	**5.1 kgf/cm²**
Seat	**NBR rubber**
Medium	**Seawater, bilge, drain water**

Test pressure as stated by the manufacturer for sizes 50A to 200A. The temperature limit is governed by the NBR seat. Confirm duty with SWBM before use on other media.

TYPICAL APPLICATIONS

- Shipbuilding and ship repair
- Hull drainage and scupper lines
- Ballast discharge
- Marine overboard piping
- Sanitary and deck drain discharge

COMPLIANCE AND QUALITY

- Design to JIS F7400
- Flanges to JIS B2220 10K
- ABS approved
- Cast steel SC49 body
- Bronze BC6 disc and NBR seat
- Stainless steel SUS403 stem
- Hydrostatic test pressure 5.1 kgf/cm²

INSTALLATION AND OPERATION

- Install at the ship side with the flow direction toward the overboard outlet
- Fit vertically so the disc closes against the seat when flow stops
- Use flange gaskets and bolting suitable for seawater service
- Back the handwheel fully open for automatic non-return operation
- Screw the handwheel down to hold the disc shut in heavy weather or flooding
- Operate periodically and inspect seat and disc at each drydock

COMPANY

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