

CS STORM VALVE VERTICAL JIS 5K SDNR

 Cast Steel Screw-Down Non Return Storm Valve, Vertical Pattern · JIS F 3060 · 5 kgf/cm² · ABS Approved

BRAND: JINHU ENGINEERING

SKU: SW-0032

SIZE 50A TO 150A

JIS 5K SDNR / ABS APPROVED



FIG. 1 | CAST STEEL STORM VALVE, VERTICAL PATTERN, FLANGED

MANUFACTURED BY



PRODUCT OVERVIEW

The JINHU Cast Steel Storm Valve in the vertical pattern is a screw-down non return valve for overboard discharge lines, built to JIS F 3060. It is fitted at the ship side to allow deck drains, scuppers and sanitary and bilge discharges to run overboard while preventing sea water from entering the line when the vessel rolls or when the discharge is submerged.

The cast steel body and bonnet carry bronze internals. A lead weighted lever holds the bronze disc closed, so the valve shuts automatically against back pressure and reopens under discharge flow. The brass spindle and cast iron hand wheel allow the disc to be screwed down for positive closure at sea or when the line is opened for maintenance.

Valve type	Storm valve, screw-down non return
Pattern	Vertical, to JIS F 3060
Operation	Hand wheel with weighted disc lever
Body material	Cast steel, bronze trim
End connection	Flanged, JIS marine 5K
Size range	50A to 150A

TECHNICAL SPECIFICATION

Design standard	JIS F 3060	Packing and gasket	Non asbestos
Body and bonnet	Cast steel	Hand wheel	Cast iron
Disc and disc lever	Bronze	Fluid condition	Non shock water
Weight	Lead	Max working pressure	5 kgf/cm²
Spindle	Brass	Shell hydraulic test	5.1 kgf/cm²
Gland and bushing	Bronze	Seat test	1.0 kgf/cm²
		Country of origin	Korea



PRODUCT DATA SHEET

CS STORM VALVE VERTICAL JIS 5K SDNR

Ref. SW-0032 | Rev. 01

BILL OF MATERIALS

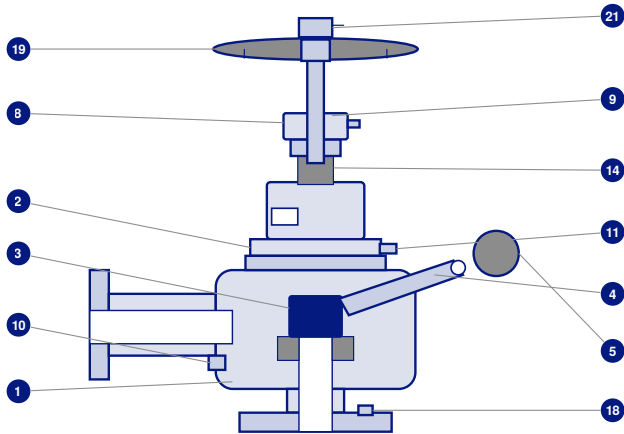


FIG. 2 | SECTIONAL ARRANGEMENT

#	COMPONENT	MATERIAL
1	Body	Cast steel
2	Bonnet	Cast steel
3	Disc	Bronze
4	Disc lever	Bronze
5	Weight	Lead
8	Gland	Bronze
9	Spindle	Brass
10	Plug	Brass
11	Stud bolt and nut	Brass
14	Packing	Non asbestos
18	Gasket	Non asbestos
19	Hand wheel	Cast iron
21	Handle nut	Brass

Item numbers follow the manufacturer's 22 item parts list and match the callouts on Fig. 2. The remaining items are a bronze bushing and nut, a bronze plate, a second non asbestos packing, screws and nuts, a pin and a split pin in brass, and a brass name plate. The full list is available on request.

DIMENSIONS AND WEIGHTS

SIZE	L	D	T	A	H	H1	W	WEIGHT (KG)
50A	210	130	14	8	131	328	100	11.5
65A	240	155	14	9	141	335	100	16.5
80A	260	180	14	9	155	335	125	21.6
100A	280	200	16	10	171	340	125	29.6
125A	330	235	16	11	195	340	125	43.6
150A	360	265	18	12	212	345	125	51.6

All dimensions in mm, weights in kg, as published by JINHU Engineering for the JIS F 3060 pattern. D is the flange outside diameter, t the flange thickness and W the hand wheel diameter. L, H and H1 follow the symbols on the manufacturer's sectional drawing. Obtain a certified drawing before the ship side pad or spool piece is fabricated.

ORDERING INFORMATION

Product code	SW-0032
Size	50A, 65A, 80A, 100A, 125A, 150A
Rating	5 kgf/cm ² , non shock water
Pattern	Vertical to JIS F 3060, SDNR
Order example	SW-0032 / 100A / 5K / STORM VALVE VERTICAL

Supplied through Dubai for the UAE, GCC and East Africa. Contact our sales desk for pricing, project quantities, class certification and lead times.



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PRESSURE AND TEMPERATURE

Fluid condition	Non shock water
Max working pressure	5 kgf/cm²
Shell hydraulic test	5.1 kgf/cm²
Seat test	1.0 kgf/cm²

Working and test pressures are quoted in kgf/cm² as published by the manufacturer. For reference, 5 kgf/cm² is approximately 4.9 bar. The valve is rated for non shock water only. Confirm the duty with SWBM before use on any other medium.

TYPICAL APPLICATIONS

- Overboard discharge lines at the ship side
- Deck scuppers and storm water drains
- Sanitary, grey water and accommodation discharges
- Bilge and ballast overboard connections
- Cooling water and general service overboard lines
- Barges, offshore platforms and floating plant

COMPLIANCE AND QUALITY

- Manufactured to JIS F 3060
- ABS approved
- Cast steel body and bonnet with bronze trim
- Weighted lever gives automatic closure against back pressure
- Every valve shell and seat tested before despatch
- Non asbestos packing and gaskets

INSTALLATION AND OPERATION

- Mount the valve on the ship side pad with the disc lever free to swing
- Check that the weighted lever closes the disc under its own weight before commissioning
- Use suitable marine flange gaskets and tighten the bolts in a diagonal sequence
- Screw the disc down with the hand wheel when the line is out of service or at sea
- Do not use extension bars on the hand wheel
- Open the valve, exercise the lever and inspect the seat at every dry docking

COMPANY

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