CS STORM ANGLE JIS 10K SDNR ABS APPROVED

Screw Down Angle Storm Valve · Cast Steel Body · JIS 10K Flanged · Overboard Discharge

BRAND: JINHU ENGINEERING | SKU: p-0031 | SIZE 2" TO 6" | JIS 10K



FIG. 1 | CS ANGLE STORM VALVE JIS 10K, SCREW DOWN TYPE

PRODUCT OVERVIEW

The Jinhu CS Storm Angle Valve JIS 10K is a screw down non-return storm valve for shipside overboard discharge lines. A weighted, hinged valve plate opens under outgoing flow and closes automatically to stop seawater entering the vessel. A screw down spindle, operated from the side, locks the plate onto its seat for positive closure.

The body, cover and valve plate are cast steel, with a bronze casing arm, stainless steel spindle and rubber seat gasket. An opening indicator shows plate position. Flanges are drilled to JIS 10K, and the valve is offered with ABS class approval for shipboard service.

Valve type	**Storm valve, angle, screw down**
Operation	**Automatic, with screw down lock**
Body material	**Cast steel, SC480**
End connection	**Flanged, JIS B 2220 10K**
Class approval	**ABS**
Size range	**2" to 6" (50A to 150A)**

TECHNICAL SPECIFICATION

Design standard	**JIS F 3060**	Nominal pressure	**JIS 10K**
Flange drilling	**JIS B 2220 10K**	Body hydraulic test	**0.5 MPa (5.1 kgf/cm²)**
Flange face	**Flat face**	Operation test	**Plate opens at approx. 5° tilt**
Spindle	**Horizontal, screw down**	Indicator	**Opening indicator fitted**
Cover	**Bolted**	Bolting	**Electroplated steel**
Seat	**Rubber gasket**	Country of origin	**Korea**

BILL OF MATERIALS

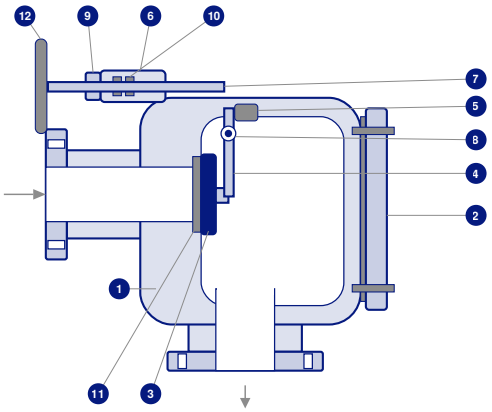


FIG. 2 | SECTIONAL ARRANGEMENT, FLOW IN LEFT, OUT BOTTOM

#	COMPONENT	MATERIAL
1	Body	Cast steel, JIS G 5101 SC480
2	Cover	Cast steel, JIS G 5101 SC480
3	Valve plate	Cast steel, JIS G 5101 SC480
4	Casing arm	Bronze, JIS H 5111 BC6
5	Counterweight	Lead, JIS H 2105
6	Spindle box	Bronze, JIS H 5111 BC6
7	Spindle	Stainless steel, SUS403
8	Valve axle	Brass, C3771BD
9	Packing gland	Bronze, JIS H 5111 BC6
10	Packing and gaskets	Non-asbestos
11	Seat gasket and set plate	Rubber / brass C2600P
12	Handle	Cast iron, FC200

Stud bolts, hex bolts and nuts are SS400 steel, electroplated. Opening indicator and indicator plate are bronze and brass.

DIMENSIONS AND WEIGHTS

SIZE	JIS	L (MM)	H1 (MM)	H2 (MM)	H3 (MM)	D (MM)	C (MM)	N X ØH	T (MM)	WEIGHT (KG)
2"	50A	170	90	70	60	155	120	4 x 19	16	13.0
2.1/2"	65A	200	110	78	62	175	140	4 x 19	18	19.0
3"	80A	220	120	90	64	185	150	8 x 19	18	23.8
4"	100A	250	130	100	70	210	175	8 x 19	18	34.5
5"	125A	270	150	125	75	250	210	8 x 23	20	50.0
6"	150A	310	165	135	76	280	240	8 x 23	22	67.0

L = overall length, H1 = outlet flange face to inlet centreline, H2 = inlet centreline to spindle axis, H3 = spindle axis to top, D = flange outside diameter, C = bolt circle diameter, n x Øh = number and diameter of bolt holes, t = flange thickness, JIS 10K. Dimensions and weights are nominal and are given for guidance only. Bolt holes straddle the body centreline. Certified drawings for the supplied make and size are issued on request. 1.1/2" and 8" (40A, 200A) can be offered against enquiry.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	p-0031
Size	2", 2.1/2", 3", 4", 5", 6"
Rating	JIS 10K
Pattern	Angle. Vertical pattern on request
Certification	ABS certificate on request
Order example	**p-0031 / 4" (100A) / JIS 10K / ANGLE / ABS**

Stock held in Dubai for fast despatch across the UAE and GCC. Contact our sales desk for pricing, availability, project quantities and certification requirements.

PRESSURE AND TEMPERATURE

Nominal pressure	**JIS 10K**
Body hydraulic test	**0.5 MPa (5.1 kgf/cm²)**
Service	**Overboard discharge, sea water**
Seat	**Rubber gasket, ambient service**

Storm valves are hull fittings for gravity and pumped overboard discharges, not pressure isolation valves. Do not use on steam or hot oil service. The rubber seat gasket limits service temperature.

TYPICAL APPLICATIONS

- Shipside overboard discharge lines
- Scupper and deck drain lines
- Sanitary and grey water discharges
- Bilge and ballast overboard lines
- Pump overboard discharges
- Offshore unit drain systems

COMPLIANCE AND QUALITY

- Design to JIS F 3060, angle storm valve
- Flanges drilled to JIS B 2220 10K
- ABS class approval for marine service
- Body hydraulic test at 0.5 MPa before despatch
- Operation test: plate opens smoothly at approx. 5° toward opening
- Cast steel body, cover and plate, JIS G 5101 SC480
- Material certificates on request

INSTALLATION AND OPERATION

- Fit at the shell or as close to it as practical, as required by load line rules
- Install with the inlet on the side flange and the outlet flange facing outboard or down
- Flush the line before installation to clear scale and weld slag
- Tighten flange bolts evenly in a crosswise sequence
- Turn the handle to screw the spindle down to lock the plate closed
- Check the plate swings freely and the rubber seat is intact at each survey

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