

CS ANGLE JIS 10K SDNR ABS APPROVED

Screw Down Non-Return Angle Valve · Cast Steel Body · JIS 10K Flanged · Marine Pattern

BRAND: JINHU ENGINEERING

SKU: p-0013

SIZE 2" TO 6"

JIS 10K



FIG. 1 | CS ANGLE VALVE JIS 10K, SDNR TYPE

PRODUCT OVERVIEW

The Jinhu CS Angle Valve JIS 10K is a screw down non-return (SDNR) angle valve for marine and industrial piping. It combines isolation and non-return duty in one body: with the handwheel open, the loose disc lifts under forward flow and drops back onto its seat when flow stops or reverses. Screwing the stem down holds the disc closed for positive shut-off.

The body and bonnet are cast steel with an outside screw and yoke, bolted bonnet and rising stem. The 90° angle pattern replaces an elbow and a straight valve, saving space and fittings. Flanges are drilled to JIS 10K, and the valve is offered with ABS class approval for shipboard service.

Valve type	Angle, screw down non-return
Operation	Manual, handwheel
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 7472	Nominal pressure	JIS 10K
Flange drilling	JIS B 2220 10K	Shell test	2.06 MPa (21 kgf/cm ²)
Flange face	Flat face	Seat test	1.51 MPa (15.4 kgf/cm ²)
Stem	Rising, outside screw and yoke	Non-return seat test	0.39 MPa (4 kgf/cm ²)
Bonnet	Bolted	Max. temperature	+400°C (steam)
Trim	Bronze or stainless steel	Country of origin	Korea



PRODUCT DATA SHEET

CS ANGLE JIS 10K SDNR ABS APPROVED

Ref. p-0013 | Rev. 01

BILL OF MATERIALS

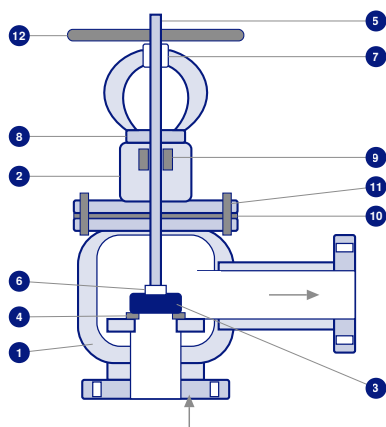


FIG. 2 | SECTIONAL ARRANGEMENT, FLOW UP AND OUT

#	COMPONENT	MATERIAL
1	Body	Cast steel, JIS G 5101 SC480
2	Bonnet	Cast steel, JIS G 5101 SC480
3	Disc (non-return, loose)	Bronze or stainless steel
4	Body seat	Bronze or stainless steel
5	Stem	Brass or stainless steel
6	Disc gland	Bronze or stainless steel
7	Yoke bush	Bronze
8	Packing gland	Bronze
9	Gland packing	Non-asbestos
10	Bonnet gasket	Non-asbestos
11	Bonnet bolt and nut	Rolled steel
12	Handwheel	Cast iron

Trim (disc, seat, stem) is supplied in bronze or stainless steel to suit the service. Confirm trim at order stage. Material certificates and ABS certificate supplied on request.

DIMENSIONS AND WEIGHTS

SIZE	JIS	L (MM)	H (MM)	D (MM)	C (MM)	BOLT HOLES N X ØH	WEIGHT (KG)
2"	50A	120	235	155	120	4 x 19	16.3
2.1/2"	65A	130	250	175	140	4 x 19	23.0
3"	80A	140	255	185	150	8 x 19	25.3
4"	100A	160	290	210	175	8 x 19	37.0
5"	125A	180	340	250	210	8 x 23	57.1
6"	150A	205	385	280	240	8 x 23	77.2

L = centre to flange face, H = centreline to top of stem, valve open, D = flange outside diameter, C = bolt circle diameter, n x Øh = number and diameter of bolt holes, JIS 10K. Dimensions and weights are nominal, to JIS F 7472, and are given for guidance only. Certified drawings for the supplied make and size are issued on request. 8" (200A) can be offered against enquiry.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	p-0013
Size	2", 2.1/2", 3", 4", 5", 6"
Rating	JIS 10K
Trim	Bronze or stainless steel
Certification	ABS certificate on request
Order example	p-0013 / 4" (100A) / JIS 10K / SS TRIM / 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.



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PRESSURE AND TEMPERATURE

Non-shock water, to +120°C	1.37 MPa (14 kgf/cm²)
Air, gas, oil, pulsating water	1.18 MPa (12 kgf/cm²)
Steam, to +220°C	1.18 MPa (12 kgf/cm²)
Steam, +300°C to +400°C	0.98 MPa (10 kgf/cm²)

Maximum working pressures per the manufacturer catalogue for JIS cast steel valves. Intermediate steam ratings: consult SWBM. Ratings apply to the flanged body, not to the connecting pipework.

TYPICAL APPLICATIONS

- Ship engine room and machinery space piping
- Ballast, bilge and general service lines
- Fuel oil and lubricating oil systems
- Steam, condensate and feed water lines
- Fresh water and sea water cooling systems
- Offshore and industrial process piping

COMPLIANCE AND QUALITY

- Design to JIS F 7472, cast steel 10K SDNR angle valve
- Flanges drilled to JIS B 2220 10K
- ABS class approval for marine service
- Shell, seat and non-return seat tested before despatch
- Cast steel body and bonnet, JIS G 5101 SC480
- Body marked with rating, size and flow direction
- Material certificates on request

INSTALLATION AND OPERATION

- Install with the flow arrow on the body pointing in the direction of flow
- Flow enters under the disc. Do not install the valve inverted
- Flush the line before installation to clear scale and weld slag
- Tighten flange bolts evenly in a crosswise sequence
- Turn the handwheel clockwise to close. Open fully to allow non-return action
- Adjust the gland nuts evenly if minor stem leakage appears

COMPANY

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