CS GLOBE JIS 10K SDNR ABS APPROVED

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

BRAND: JINHU ENGINEERING | SKU: p-0023 | SIZE 2" TO 6" | JIS 10K



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

PRODUCT OVERVIEW

The Jinhu CS Globe Valve JIS 10K is a straight pattern screw down non-return (SDNR) valve for marine and industrial piping. With the handwheel open, the loose disc lifts under forward flow and drops back onto its seat when flow stops or reverses, preventing backflow. Screwing the stem down holds the disc closed for positive shut-off, and partial opening allows flow regulation.

The body and bonnet are cast steel with an outside screw and yoke, bolted bonnet and rising stem. Flanges are drilled to JIS 10K, and the valve is offered with ABS class approval for shipboard service.

Valve type	**Globe, 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 7471**	Nominal pressure	**JIS 10K**
Flange drilling	**JIS B 2220 10K**	Shell test	**2.06 MPa (21 kgf/cm²)**
Flange face	**Flat face**	Seat test	**1.51 MPa (15.4 kgf/cm²)**
Stem	**Rising, outside screw and yoke**	Non-return seat test	**0.39 MPa (4 kgf/cm²)**
Bonnet	**Bolted**	Max. temperature	**+400°C (steam)**
Trim	**Bronze or stainless steel**	Country of origin	**Korea**

BILL OF MATERIALS

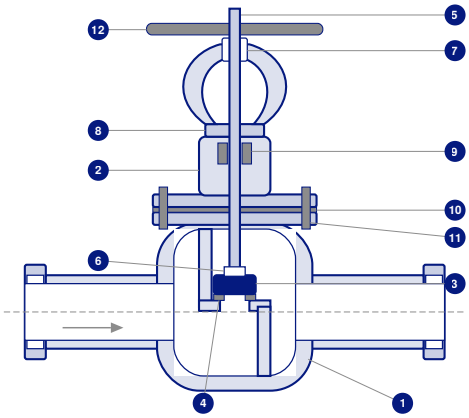


FIG. 2 | SECTIONAL ARRANGEMENT, FLOW LEFT TO RIGHT

#	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	BORE (MM)	L (MM)	H (MM)	W (MM)	D (MM)	C (MM)	N X ØH	WEIGHT (KG)
2"	50A	50	220	270	160	155	120	4 x 19	17.9
2.1/2"	65A	65	270	300	200	175	140	4 x 19	26.0
3"	80A	80	300	310	200	185	150	8 x 19	29.8
4"	100A	100	350	355	250	210	175	8 x 19	44.7
5"	125A	125	420	415	280	250	210	8 x 23	70.3
6"	150A	150	490	470	315	280	240	8 x 23	96.4

Bore = internal bore, L = face to face length, H = centreline to top of stem, valve open, W = handwheel diameter, D = flange outside diameter, C = bolt circle diameter, n x Øh = number and diameter of bolt holes, JIS 10K. Dimensions and weights are nominal and are given for guidance only. Certified drawings for the supplied make and size are issued on request. 8" to 12" (200A to 300A) can be offered against enquiry.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	p-0023
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-0023 / 3" (80A) / 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.

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.

COMPLIANCE AND QUALITY

- Design to JIS F 7471, cast steel 10K SDNR globe 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

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

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

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