CS GLOBE JIS 20K SDNR ABS APPROVED

Screw Down Non-Return Globe Valve · Cast Steel Body · JIS 20K Flanged · Marine Pattern

BRAND: JINHU ENGINEERING | SKU: p-0024 | SIZE 2" TO 6" | JIS 20K



FIG. 1 | CS GLOBE VALVE JIS 20K, SDNR TYPE

PRODUCT OVERVIEW

The Jinhu CS Globe Valve JIS 20K is a straight pattern screw down non-return (SDNR) valve for higher pressure 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 20K, and the valve is offered with ABS class approval for shipboard service, including steam, fuel oil and feed water lines.

Valve type	**Globe, screw down non-return**
Operation	**Manual, handwheel**
Body material	**Cast steel, SC480**
End connection	**Flanged, JIS B 2220 20K**
Class approval	**ABS**
Size range	**2" to 6" (50A to 150A)**

TECHNICAL SPECIFICATION

Design standard	**JIS F 7473**	Nominal pressure	**JIS 20K**
Flange drilling	**JIS B 2220 20K**	Shell test	**5.0 MPa (51 kgf/cm²)**
Flange face	**Raised face**	Seat test	**3.67 MPa (37.4 kgf/cm²)**
Stem	**Rising, outside screw and yoke**	Non-return seat test	**0.98 MPa (10 kgf/cm²)**
Bonnet	**Bolted**	Max. temperature	**+400°C (steam)**
Trim	**Bronze or stainless steel**	Country of origin	**Korea**

BILL OF MATERIALS

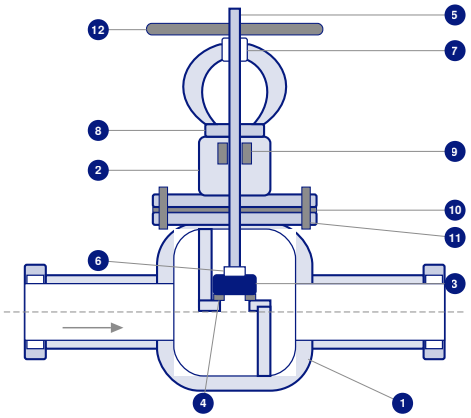


FIG. 2 | SECTIONAL ARRANGEMENT, FLOW LEFT TO RIGHT

#	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	230	305	200	155	120	8 x 19	21.6
2.1/2"	65A	65	270	345	224	175	140	8 x 19	30.4
3"	80A	80	300	385	250	200	160	8 x 23	43.5
4"	100A	100	350	440	280	225	185	8 x 23	62.3
5"	125A	125	430	500	315	270	225	8 x 25	94.8
6"	150A	150	500	550	365	305	260	12 x 25	132

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 20K. Dimensions and weights are nominal and are given for guidance only. Certified drawings for the supplied make and size are issued on request. 8" and 10" (200A, 250A) can be offered against enquiry.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	p-0024
Size	2", 2.1/2", 3", 4", 5", 6"
Rating	JIS 20K
Trim	Bronze or stainless steel
Certification	ABS certificate on request
Order example	**p-0024 / 6" (150A) / JIS 20K / 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	**3.33 MPa (34 kgf/cm²)**
Air, gas, oil, pulsating water	**3.04 MPa (31 kgf/cm²)**
Steam, to +220°C	**3.04 MPa (31 kgf/cm²)**
Steam, +400°C	**2.26 MPa (23 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 7473, cast steel 20K SDNR globe valve
- Flanges drilled to JIS B 2220 20K
- 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

Sunel Wala Building Materials
Trading Co. LLC (SWBM)
Dubai, United Arab Emirates

SALES ENQUIRIES

info@swbm-fittings.com
Tel: +971 4 238 5652
Mobile / WhatsApp: +971 50 748 1772

ONLINE

www.swbm-fittings.com
Brand: Jinhu Engineering

The information in this data sheet is provided in good faith and is believed to be accurate at the date of issue. Dimensions, weights and ratings are nominal and may vary with the manufacturer and production batch. It remains the responsibility of the purchaser to confirm that the product is suitable for the intended service conditions. Sunel Wala Building Materials Trading Co. LLC reserves the right to amend specifications without prior notice. This document does not form part of any contract of sale.