BRONZE TYPE-S GLOBE VALVE JIS 20K

Marine Screw End Globe Valve · Bronze BC6 · JIS F7388, Handwheel Operated

BRAND: JINHU | SKU: SW-0351 | SIZE 6A AND 10A | JIS 20K

FIG. 1 | BRONZE TYPE-S GLOBE VALVE JIS 20K, SCREW END WITH FERRULE NUTS

PRODUCT OVERVIEW

The SWBM Bronze Type-S Globe Valve JIS 20K is a small bore marine globe valve built to JIS F7388 for shipboard and offshore piping. The straight pattern bronze BC6 body with rising stem gives precise throttling and tight shut-off on steam, fresh water, fuel oil and lubricating oil lines.

The valve is a ferrule type screw end design. A male connection thread on each end takes a ferrule nut, joining directly to small bore copper or steel tube without welding. The bonnet is screwed and secured, and the brass disc and stem give good corrosion resistance in marine service. Sizes 6A and 10A are held in Dubai stock under IMPA codes 750551 and 750552.

Valve type	**Globe valve, straight pattern**
Operation	**Manual, rising stem handwheel**
Body material	**Bronze, BC6**
End connection	**S type, screw end, ferrule joint**
Design standard	**JIS F7388, 20K**
Size range	**6A and 10A**

TECHNICAL SPECIFICATION

Design standard	**JIS F7388**	Stem	**Brass, C3771BD**
Pressure class	**JIS 20K**	Bonnet	**Screwed and secured**
Brand	**JINHU Engineering**	Connection thread	**M20 x 1.5 (6A), M24 x 2 (10A)**
Country of origin	**Korea**	Hydraulic test, body	**4.20 MPa (42 bar)**
Body	**Bronze, BC6**	Hydraulic test, seat	**3.08 MPa (30.8 bar)**
Disc	**Brass**	Suitable media	**Steam, water, fuel and lube oil**

BILL OF MATERIALS

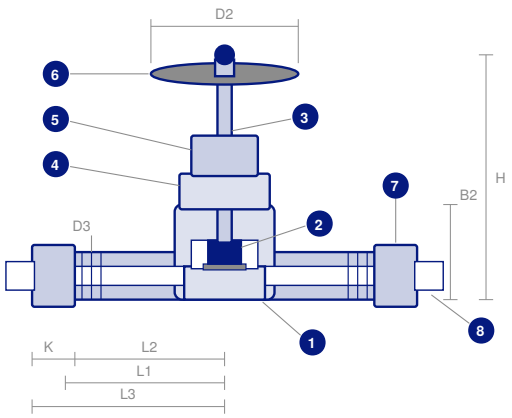

FIG. 2 | SECTIONAL ARRANGEMENT, S TYPE SCREW END

#	COMPONENT	MATERIAL
1	Body	Bronze, BC6
2	Disc	Brass
3	Stem	Brass, C3771BD
4	Bonnet	Bronze, screwed and secured
5	Gland nut	Bronze
6	Handwheel	Manufacturer standard
7	Ferrule nut	Manufacturer standard
8	Ferrule / sleeve	Manufacturer standard

Items 1 to 3 are the material schedule published for JIS F7388. Items 4 and 5 follow the bronze body and trim construction listed for this valve. Items 6 to 8 are not published against the standard and are confirmed at the time of order. Ferrule nuts and sleeves are supplied to suit copper or steel tube as ordered.

DIMENSIONS AND WEIGHTS

SIZE	IMPA	TUBE OD CU / STEEL	L1	L2	L3	K	D3	H	B2	D2	WEIGHT (KG)
6A	750551	8 / 10.5	32	32	41	12	M20 x 1.5	100	30	63	0.81
6A	750551	10 / 10.5	32	32	41	12	M20 x 1.5	100	30	63	0.81
10A	750552	15 / 17.3	36	35	48	16	M24 x 2	115	41	80	1.22

All dimensions in millimetres. Reference letters correspond to Fig. 2. D3 = male connection thread, H = overall height, D2 = handwheel diameter, B2 = body height above the pipe centreline. Tube OD gives the copper tube and steel pipe outside diameters the joint is made to. Dimensions are per JIS F7388 and are nominal. Certified drawings for the supplied make and size are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0351
Size	6A, 10A
Type	S type, screw end. U type union available separately
Connection thread	M20 x 1.5 for 6A, M24 x 2 for 10A
Tube	State copper tube or steel pipe when ordering
IMPA code	750551 for 6A, 750552 for 10A
Order example	**SW-0351 / 10A / S TYPE / JIS 20K**

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

Steam	**1.6 MPa at 205°C or less**
Air, gas, oil, pulsating water	**2.0 MPa**
Non-shock water	**2.8 MPa at 120°C or less**
Hydraulic test, body	**4.20 MPa (42 bar)**
Hydraulic test, seat	**3.08 MPa (30.8 bar)**

20K is the JIS nominal pressure class, not a single working pressure. Select the rating line that matches the service medium. Confirm the duty with SWBM for media outside those listed.

TYPICAL APPLICATIONS

- Shipboard steam, fresh water and seawater lines
- Fuel oil and lubricating oil service
- Small bore gauge and instrument isolation
- Engine room and offshore platform piping
- Seawater treatment and purification systems
- Shipyard newbuild and repair projects

COMPLIANCE AND QUALITY

- Designed and manufactured to JIS F7388
- JIS 20K nominal pressure class
- Bronze BC6 body for marine and seawater service
- Rising stem with screwed and secured bonnet
- Hydraulic body test at 4.20 MPa, seat test at 3.08 MPa
- IMPA codes 750551 and 750552 for marine store ordering
- Material and test certification available on request

INSTALLATION AND OPERATION

- Install with the flow arriving under the disc unless the piping design requires otherwise
- Support small bore tube close to the valve so no load is carried by the joint
- Tighten the ferrule nuts to the tube maker's recommendation, do not overtighten
- Close by hand only, never use an extension bar on the handwheel
- Repack or adjust the gland only with the line depressurised
- Operate the valve periodically to keep the stem free
- Confirm suitability with SWBM for media outside steam, water and oil

COMPANY

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