

BRONZE GLOBE VALVE JIS 5K

 Marine Flanged Bronze Globe Valve · JIS F 7427 · 5 kgf/cm² · Handwheel Operated

BRAND: JINHU ENGINEERING

SKU: SW-0364

SIZE 15A TO 65A

 JIS 5K / 5 kgf/cm²


FIG. 1 | BRONZE GLOBE VALVE JIS 5K, FLANGED, HANDWHEEL OPERATED

MANUFACTURED BY



PRODUCT OVERVIEW

The JINHU Bronze Globe Valve JIS 5K is a marine pattern flanged valve built to JIS F 7427 for regulating and shutting off flow on board ship and on offshore installations. The cast bronze body and bonnet give reliable service on sea water, fresh water, saturated steam, air, gas and oil lines where corrosion resistance is essential.

Flow is controlled by a rising brass stem and a bronze or brass disc closing onto the body seat. Teflon gland packing, a brass packing gland and a cast iron handwheel give smooth operation and a tight stem seal. The same body is available as a screw-down check valve, allowing the valve to act as a non return valve while retaining positive manual closure.

Valve type	Globe valve, straight pattern
Operation	Manual handwheel, rising stem
Body material	Cast bronze
End connection	Flanged, JIS marine 5K
Pressure rating	5 kgf/cm² (JIS F 7427)
Size range	15A to 65A

TECHNICAL SPECIFICATION

Design standard	JIS F 7427	Gland packing	Teflon, asbestos free
Pattern	Globe. Screw-down check on request	Handwheel	Cast iron
Body	Bronze	Working pressure	5 kgf/cm²
Bonnet	Bronze or brass	Shell hydraulic test	10.5 kgf/cm²
Disc	Bronze or brass	Seat hydraulic test	7.7 kgf/cm²
Stem	Brass, rising	Max media temperature	205°C on saturated steam
		Country of origin	Korea



PRODUCT DATA SHEET

BRONZE GLOBE VALVE JIS 5K
Ref. SW-0364 | Rev. 01

BILL OF MATERIALS

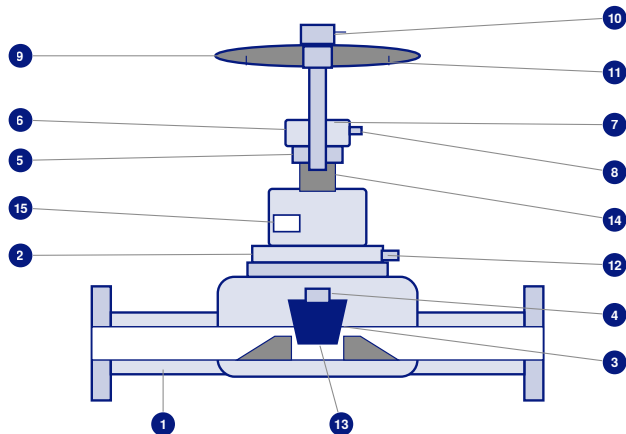


FIG. 2 | SECTIONAL ARRANGEMENT

#	COMPONENT	MATERIAL
1	Body	Bronze
2	Bonnet	Bronze or brass
3	Disc	Bronze or brass
4	Valve disc nut	Brass
5	Packing gland	Brass
6	Gland nut	Brass
7	Stem	Brass
8	Set screw	Brass
9	Handwheel	Cast iron
10	Hexagon nut	Brass
11	Split pin	Brass
12	Lockplate	Brass
13	Disc lock washer	Brass
14	Packing	Teflon
15	Name plate	Brass and aluminium

Item numbers and materials follow the manufacturer's published parts list. The screw-down check pattern uses the same parts with a free lifting disc. Bonnet and disc are supplied in bronze or brass at the manufacturer's option.

DIMENSIONS AND WEIGHTS

SIZE	FACE TO FACE	FLANGE DIA	FLANGE PCD	BOLT HOLES	HEIGHT	HANDLE DIA	WEIGHT (KG)
15A	100	80	60	4-12	130	80	2.02 / 1.96
20A	110	85	65	4-12	140	100	2.86 / 2.77
25A	120	95	75	4-12	160	125	3.54 / 3.41
32A	140	115	90	4-15	170	125	5.00 / 4.86
40A	160	120	95	4-15	190	140	6.48 / 6.30
50A	210	130	105	4-15	235	140	11.70
65A	250	155	130	4-15	260	150	17.00

All dimensions in mm, weights in kg, as published by JINHU Engineering for the JIS 5K rating. Where two weights are shown the first is the globe valve and the second the screw-down check pattern. Bolt holes are quantity and hole diameter, height is from the pipe centreline to the top of the handwheel. Certified drawings are issued on request.

ORDERING INFORMATION

Product code	SW-0364
Size	15A, 20A, 25A, 32A, 40A, 50A, 65A
Rating	5 kgf/cm ² , JIS F 7427
Pattern	Globe or screw-down check, JIS marine flange
Order example	SW-0364 / 40A / 5K / GLOBE / FLANGED

Supplied through Dubai for the UAE, GCC and East Africa. Contact our sales desk for pricing, project quantities, class certification and lead times.



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BRONZE GLOBE VALVE JIS 5K

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PRESSURE AND TEMPERATURE

Saturated steam up to 205°C	5 kgf/cm ²
Air, gas, oil, pulsating water	5 kgf/cm ²
Non shock water	7 kgf/cm ²
Shell hydraulic test	10.5 kgf/cm ²

Working and test pressures are quoted in kgf/cm² as published by the manufacturer. For reference, 5 kgf/cm² is approximately 4.9 bar. Confirm the duty with SWBM before use outside the conditions listed above.

TYPICAL APPLICATIONS

- Ship board sea water and fresh water systems
- Ballast, bilge and fire main lines
- Fuel oil, lubricating oil and diesel oil service
- Compressed air and low pressure gas lines
- Saturated steam service up to 205°C
- Offshore platforms, barges and marine workshops

COMPLIANCE AND QUALITY

- Manufactured to JIS F 7427
- Bronze body for sea water and marine atmosphere service
- Every valve shell and seat tested before despatch
- Shell test 10.5 kgf/cm², seat test 7.7 kgf/cm²
- Teflon gland packing, asbestos free
- Class approval certification can be arranged at the time of order, subject to manufacturer confirmation

INSTALLATION AND OPERATION

- Flush the line before installation to clear scale, weld slag and debris
- Fit the valve with the inlet on the side marked on the body casting
- Use suitable marine flange gaskets and tighten the bolts in a diagonal sequence
- Open and close by hand only, do not use extension bars on the handwheel
- Retighten or repack the gland if weeping appears at the stem
- Operate standby valves periodically to prevent the disc from seizing on the seat

COMPANY

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