

BRONZE GATE VALVE JIS 5K

Marine Flanged Rising Stem Gate Valve · Bronze · JIS F 7427, 5 kgf/cm²

BRAND: JINHU ENGINEERING

SKU: SW-0361

SIZE 15A TO 40A

JIS 5K



FIG. 1 | BRONZE GATE VALVE JIS 5K, FLANGED, RISING STEM

PRODUCT OVERVIEW

The JINHU Bronze Gate Valve JIS 5K is a marine pattern flanged gate valve built to JIS F 7427. The wedge lifts clear of the bore when the valve is open, giving a straight through path with very little pressure drop, which makes it the standard isolating valve on sea water, fresh water and oil lines aboard ship.

The cast bronze body carries a union bonnet secured by a bonnet nut, so the trim can be withdrawn for maintenance without disturbing the flanged joints. The rising brass stem gives a clear visual indication of valve position, and the Teflon gland packing is asbestos free. A cast iron handwheel is fitted as standard.

Valve type	Gate valve, rising stem
Operation	Handwheel, union bonnet
Body material	Cast bronze
End connection	Flanged, JIS marine 5K
Pressure rating	5 kgf/cm² (JIS F 7427)
Size range	15A to 40A

TECHNICAL SPECIFICATION

Design standard	JIS F 7427	Gland packing	Teflon, asbestos free
Pattern	Rising stem, union bonnet	Handwheel	Cast iron
Body	Bronze	Working pressure	5 kgf/cm²
Bonnet and bonnet nut	Bronze or brass	Shell hydraulic test	10.5 kgf/cm²
Disc	Bronze or brass	Seat hydraulic test	7.7 kgf/cm²
Stem	Brass, rising	Country of origin	Korea



PRODUCT DATA SHEET

BRONZE GATE VALVE JIS 5K
Ref. SW-0361 | Rev. 01

BILL OF MATERIALS

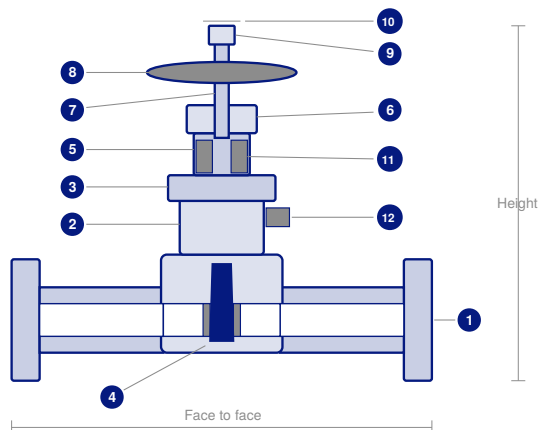


FIG. 2 | SECTIONAL ARRANGEMENT

#	COMPONENT	MATERIAL
1	Body	Bronze
2	Bonnet	Bronze or brass
3	Bonnet nut	Bronze or brass
4	Disc	Bronze or brass
5	Packing gland	Brass
6	Packing gland nut	Brass
7	Stem	Brass
8	Handwheel	Cast iron
9	Hexagon nut	Brass
10	Split pin	Brass
11	Packing	Teflon
12	Name plate	Brass or aluminium

Item numbers and materials follow the manufacturer's published parts list. Bonnet, bonnet nut 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	90	80	60	4-12	175	80	2.29
20A	100	85	65	4-12	200	80	2.98
25A	110	95	75	4-12	220	100	4.10
32A	130	115	90	4-15	250	100	5.79
40A	140	120	95	4-15	290	125	7.78

All dimensions in mm, weights in kg, as published by JINHU Engineering for the JIS 5K rating. Height is measured with the valve closed. Bolt holes are given as number of holes and hole diameter. Certified drawings for the supplied size are issued on request. The same range is available in JIS 10K.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0361
Size	15A, 20A, 25A, 32A, 40A
Rating	5 kgf/cm ² , JIS F 7427. 10K available
Pattern	Rising stem, union bonnet, JIS marine flange
Handwheel	Cast iron, fitted as standard
Order example	SW-0361 / 40A / 5K / GATE

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



PRODUCT DATA SHEET

BRONZE GATE VALVE JIS 5K
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PRESSURE AND TEMPERATURE

Steam	2 kgf/cm ²
Oil and pulsating water	5 kgf/cm ²
Non shock water, 120°C and under	7 kgf/cm ²
Shell hydraulic test	10.5 kgf/cm ²
Seat hydraulic test	7.7 kgf/cm ²

Note the steam limit. On saturated steam this valve is rated 2 kgf/cm², not the 5 kgf/cm² class figure. 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.

TYPICAL APPLICATIONS

- Ship board sea water and fresh water isolation
- Ballast, bilge and general service lines
- Fuel oil, lubricating oil and diesel oil service
- Pump suction and discharge isolation
- Tank and manifold connections
- Offshore platforms, barges and marine workshops

COMPLIANCE AND QUALITY

- Manufactured to JIS F 7427
- Bronze body for sea water and marine atmosphere service
- Union bonnet construction, trim removable in line
- 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
- Install with the stem vertical where possible, the valve is bidirectional
- Use suitable marine flange gaskets and tighten the bolts in a diagonal sequence
- Operate fully open or fully closed, do not throttle on a gate valve
- 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
- Back the handwheel a quarter turn off the fully open position to avoid seizing

COMPANY

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