

BRONZE ANGLE VALVE JIS 10K SDNR

Marine Flanged Screw Down Non Return Angle Valve · Bronze · JIS F 7427

BRAND: JINHU ENGINEERING	SKU: SW-0355	SIZE 15A TO 40A	JIS 10K
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FIG. 1 | BRONZE ANGLE VALVE JIS 10K SDNR, FLANGED INLET AND OUTLET

PRODUCT OVERVIEW

The JINHU Bronze Angle Valve JIS 10K SDNR is a marine pattern flanged angle valve to JIS F 7427, combining a right angle change of direction with screw down non return action. The disc is free to lift from the seat under forward flow and seats again on reversal, so the valve isolates on demand and prevents back flow when open.

The cast bronze body suits sea water and general marine duty. The disc can be screwed down onto the seat with the handwheel for positive isolation, or backed off to let the valve act as a check. Teflon gland packing is asbestos free and a cast iron handwheel is fitted as standard.

Valve type	Angle valve, screw down non return
Operation	Handwheel, rising stem
Body material	Cast bronze
End connection	Flanged, JIS marine 10K
Pressure rating	10 kgf/cm ² (JIS F 7427)
Size range	15A to 40A

TECHNICAL SPECIFICATION

Design standard	JIS F 7427	Handwheel	Cast iron
Pattern	Angle, screw down non return	Working pressure	10 kgf/cm ²
Body	Bronze	Shell hydraulic test	21.0 kgf/cm ²
Bonnet and disc	Bronze or brass	Seat hydraulic test	15.4 kgf/cm ²
Stem	Brass, rising	Seat test, check action	4 kgf/cm ²
Gland packing	Teflon, asbestos free	Country of origin	Korea



PRODUCT DATA SHEET

BRONZE ANGLE VALVE JIS 10K SDNR

Ref. SW-0355 | Rev. 01

BILL OF MATERIALS

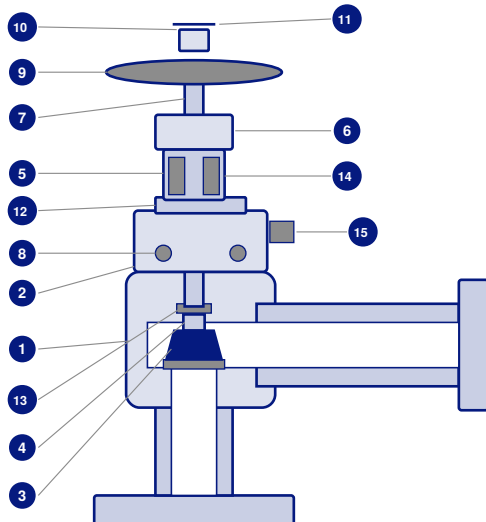


FIG. 2 | SECTIONAL ARRANGEMENT, SCREW DOWN NON RETURN

#	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

DIMENSIONS AND WEIGHTS

SIZE	FACE TO FACE	FLANGE DIA	FLANGE PCD	BOLT HOLES	HEIGHT	HANDLE DIA	WEIGHT (KG)
15A	70	95	70	4-15	120	80	2.73 / 2.67
20A	75	100	75	4-15	130	100	3.65 / 3.56
25A	85	125	90	4-19	145	125	5.16 / 5.02
32A	95	135	100	4-19	150	125	6.72 / 6.58
40A	100	140	105	4-19	165	140	8.13 / 7.98

All dimensions in mm. Face to face is measured from the inlet flange face to the outlet flange centreline. Bolt holes are given as number of holes and hole diameter. Weight is quoted as angle valve and screw down check respectively. Dimensions are confirmed by JINHU Engineering as common to the 10 and 16 kgf/cm² ratings across 15A to 40A. Certified drawings for the supplied size are issued on request.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0355
Size	15A, 20A, 25A, 32A, 40A
Rating	10 kgf/cm ² , JIS F 7427. 5K and 16K available
Pattern	Angle, screw down non return, JIS marine flange
Handwheel	Cast iron, fitted as standard
Order example	SW-0355 / 40A / 10K / ANGLE SDNR

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 ANGLE VALVE JIS 10K SDNR

Ref. SW-0355 | Rev. 01

PRESSURE AND TEMPERATURE

Steam up to 205°C	10 kgf/cm²
Air, gas, oil and pulsating water	10 kgf/cm²
Non shock water	14 kgf/cm²
Shell hydraulic test	21.0 kgf/cm²
Seat hydraulic test	15.4 kgf/cm²
Seat test, check action	4 kgf/cm²

Pressures are quoted in kgf/cm² as published by the manufacturer. For reference, 10 kgf/cm² is approximately 9.8 bar. The lower check seat test reflects the non return function, which seals under back pressure rather than against the full rated head. Confirm the duty with SWBM before use outside the conditions listed.

TYPICAL APPLICATIONS

- Pump discharge lines where back flow must be prevented
- Ballast, bilge and general service systems
- Fire main and deck wash connections
- Fuel oil and lubricating oil transfer
- Tank filling 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
- Screw down non return action, isolation and back flow protection in one valve
- Every valve shell and seat tested before despatch
- Shell test 21.0 kgf/cm², seat test 15.4 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

- Install with the flow entering under the disc, the valve is directional
- Check the flow arrow or the inlet mark on the body before fitting
- Use suitable marine flange gaskets and tighten the bolts in a diagonal sequence
- Back the handwheel fully off to let the valve act as a non return
- Screw the disc down onto the seat for positive isolation
- 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

COMPANY

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