

BRONZE ANGLE VALVE JIS 16K SDNR

 Marine Flanged Bronze Angle Screw-Down Non Return Valve · JIS F 7427 · 16 kgf/cm²

BRAND: JINHU ENGINEERING

SKU: SW-0356

SIZE 15A TO 40A

JIS 16K SDNR



FIG. 1 | BRONZE ANGLE VALVE JIS 16K SDNR, FLANGED, HANDWHEEL OPERATED

MANUFACTURED BY



PRODUCT OVERVIEW

The JINHU Bronze Angle Valve JIS 16K SDNR is a marine pattern flanged screw-down non return valve built to JIS F 7427. It closes automatically against reverse flow and can also be screwed down by hand for positive shut off, which makes it the standard fitting on ballast, bilge and fire main branches where back flow must be prevented.

The valve turns the line through 90 degrees, so fitting it at a bend removes one elbow and saves space in machinery spaces. The cast bronze body carries a bronze or brass disc that is free to lift under forward flow, with a rising brass stem, Teflon gland packing and a cast iron handwheel. The same body is supplied as a plain angle shut off valve where non return action is not required.

Valve type	Angle valve, screw-down non return
Operation	Handwheel, rising stem, free lifting disc
Body material	Cast bronze
End connection	Flanged, JIS marine 16K
Pressure rating	16 kgf/cm ² (JIS F 7427)
Size range	15A to 40A

TECHNICAL SPECIFICATION

Design standard	JIS F 7427	Gland packing	Teflon, asbestos free
Pattern	Angle SDNR. Plain angle on request	Handwheel	Cast iron
Body	Bronze	Working pressure	16 kgf/cm ²
Bonnet	Bronze or brass	Shell hydraulic test	33 kgf/cm ²
Disc	Bronze or brass, free lifting	Seat hydraulic test	24.2 kgf/cm ²
Stem	Brass, rising	Seat test, check action	4 kgf/cm ²
		Country of origin	Korea



PRODUCT DATA SHEET

BRONZE ANGLE VALVE JIS 16K SDNR

Ref. SW-0356 | Rev. 01

BILL OF MATERIALS

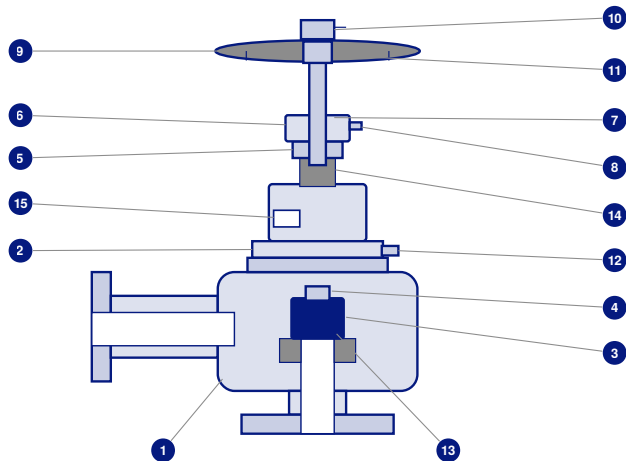


FIG. 2 | SECTIONAL ARRANGEMENT

#	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. In the SDNR pattern the disc is free to lift on the stem, so the valve closes on reverse flow. 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	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, weights in kg, as published by JINHU Engineering for the JIS 16K rating. Where two weights are shown the first is the plain angle valve and the second the SDNR pattern. The face to face column is printed by the manufacturer under that heading, but on an angle pattern it is the flange face to body centreline dimension, so confirm it on a certified drawing before pipework is cut.

ORDERING INFORMATION

Product code	SW-0356
Size	15A, 20A, 25A, 32A, 40A
Rating	16 kgf/cm ² , JIS F 7427
Pattern	Angle SDNR or plain angle, JIS marine flange
Order example	SW-0356 / 40A / 16K / 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.



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BRONZE ANGLE VALVE JIS 16K SDNR

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PRESSURE AND TEMPERATURE

Saturated steam up to 205°C	16 kgf/cm²
Air, gas, oil, pulsating water	16 kgf/cm²
Non shock water	22 kgf/cm²
Shell hydraulic test	33 kgf/cm²

Working and test pressures are quoted in kgf/cm² as published by the manufacturer. For reference, 16 kgf/cm² is approximately 15.7 bar. Confirm the duty with SWBM before use outside the conditions listed above.

TYPICAL APPLICATIONS

- Ballast, bilge and fire main branches requiring non return action
- Pump discharge and manifold connections
- Ship board sea water and fresh water systems
- Fuel oil, lubricating oil and diesel oil service
- Tank connections where space is limited
- 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 33 kgf/cm², seat test 24.2 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 so that forward flow lifts the disc, the inlet is marked on the body
- Use suitable marine flange gaskets and tighten the bolts in a diagonal sequence
- Leave the handwheel open in service so the disc is free to seat on reverse flow
- Screw the disc down by hand only, do not use extension bars
- Retighten or repack the gland if weeping appears at the stem

COMPANY

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