

CI ANGLE HOSE VALVE JIS 5K

Cast Iron Angle Pattern Hose Valve · JIS 5K Flanged Inlet · Hose Coupling Outlet

BRAND: JINHU ENGINEERING

SKU: SW-0374

SIZE 50A AND 65A

JIS 5K



FIG. 1 | CI ANGLE HOSE VALVE JIS 5K, 50A WITH BRONZE HOSE COUPLING

SUPPLIED UNDER THE



PRODUCT OVERVIEW

The SWBM CI Angle Hose Valve JIS 5K is an angle pattern stop valve for hose connected service on deck and in machinery spaces. The inlet is a JIS 5K flange that bolts directly to the header and the outlet carries a bronze hose coupling with a screwed cap and retaining chain, so a wash down or fire hose can be connected and disconnected without tools.

The cast iron body and bonnet carry a bronze or stainless steel disc and seat, giving reliable shut off on sea water and fresh water. The angle pattern removes one elbow from the run, which cuts pressure loss and shortens the installation. Turning through 90 degrees inside the body also makes the valve easier to reach and operate at a bulkhead station.

Valve type	Angle pattern hose valve
Operation	Manual, rising stem handwheel
Body material	Cast iron
Trim	Bronze or stainless steel
Inlet connection	JIS 5K flange
Outlet connection	Hose coupling with cap and chain

TECHNICAL SPECIFICATION

Pattern	Angle, 90 degree flow path	Non-shock water to 120°C	0.69 MPa (7 kgf/cm ²)
Body, bonnet, handwheel	Cast iron	Oil and pulsating water	0.49 MPa (5 kgf/cm ²)
Disc and valve seat	Bronze or stainless steel	Air, gas and saturated steam	0.49 MPa (5 kgf/cm ²)
Stem	Brass or stainless steel	Shell test pressure	1.03 MPa (10.5 kgf/cm ²)
Packing gland	Bronze	Seat test pressure	0.76 MPa (7.7 kgf/cm ²)
Packing and gasket	Non asbestos	Hose coupling pattern	To be confirmed at order
Flange standard	JIS B2210, 5K	Country of origin	Korea



PRODUCT DATA SHEET

CI ANGLE HOSE VALVE JIS 5K

Ref. SW-0374 | Rev. 01

BILL OF MATERIALS

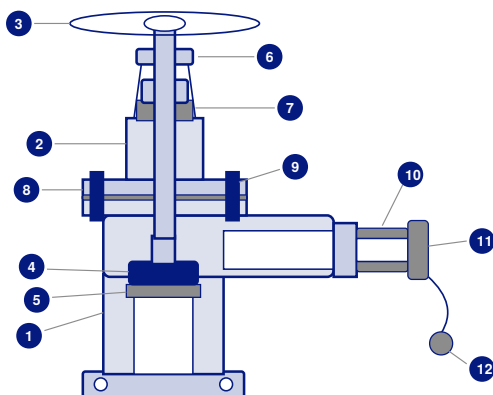


FIG. 2 | SECTIONAL ARRANGEMENT

#	COMPONENT	MATERIAL
1	Body	Cast iron
2	Bonnet	Cast iron
3	Handwheel	Cast iron
4	Disc	Bronze or stainless steel
5	Valve seat	Bronze or stainless steel
6	Disc nut	Bronze or stainless steel
7	Stem	Brass or stainless steel
8	Packing gland	Bronze
9	Stud bolt and nut	Steel
10	Hose coupling	Bronze
11	Coupling cap	Bronze
12	Retaining chain	Stainless steel

Items 1 to 9 follow the manufacturer parts list for the cast iron angle valve series. Items 10 to 12, the hose coupling, cap and chain, are shown as supplied on the photographed valve and the coupling thread or claw pattern is confirmed at order.

DIMENSIONS

SIZE	DN	BORE D	FLANGE D	BOLT C	BOLT HOLES	L (MM)	H (MM)	HANDWHEEL W	WEIGHT (KG)
2"	50A	50	130	105	4-15	100	240	160	12.9
2.1/2"	65A	65	155	130	4-15	115	255	180	18.2

All dimensions in mm. L = inlet flange face to valve centreline, H = centreline to top of handwheel with the valve fully open, W = handwheel diameter. Flange figures are JIS 5K and are firm. L, H and weight are taken from the manufacturer angle valve table and are shown for guidance only, because the hose coupling outlet changes the outlet projection and the assembled weight. Certified dimensions for the hose valve pattern are issued on request and should be obtained before fabricating pipework.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0374
Size	2" (50A), 2.1/2" (65A)
Inlet	JIS 5K flange
Outlet	Hose coupling, state pattern required
Order example	SW-0374 / 65A / JIS 5K / HOSE COUPLING

A JIS 10K version of the same valve is listed separately under SW-0375. Contact our sales desk for pricing and certification requirements.



PRESSURE AND TEMPERATURE

Non-shock water to 120°C	0.69 MPa (7 kgf/cm²)
Oil and pulsating water	0.49 MPa (5 kgf/cm²)
Air and gas	0.49 MPa (5 kgf/cm²)
Steam up to 205°C	0.49 MPa (5 kgf/cm²)

Working pressures are the JIS 5K figures published by the manufacturer for this series in sizes up to 200A. The hose coupling and cap may carry a lower rating than the valve body, so confirm the assembled rating with SWBM before use above 5 bar.

TYPICAL APPLICATIONS

- Deck wash down and hose stations
- Fire main hose connections
- Engine room and pump room service water
- Tank cleaning and bilge hose points
- Shipyard and offshore utility piping
- Shore based industrial hose stations

COMPLIANCE AND QUALITY

- Flanges conform to JIS B2210 nominal pressure 5K
- Cast iron angle valve body to the JIS marine valve series
- Hydrostatic shell and seat test before despatch
- Non asbestos packing and gasket materials
- Manufactured under Lloyds Register, DNV GL, Bureau Veritas, Korean Register and ABS approvals
- Class certification and name plate marking supplied against order

INSTALLATION AND OPERATION

- Bolt the inlet flange to the header with a full face gasket to suit JIS 5K
- Mount so the outlet and cap are clear for hose handling
- Keep the cap fitted and the chain attached when the valve is not in use
- Open and close with the handwheel only, never with a bar or wrench
- Repack the gland if weeping appears at the stem
- Cast iron is brittle, protect the valve from impact and freezing

COMPANY

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