

BALL VALVE BLV-2SF

PRODUCT MANUAL

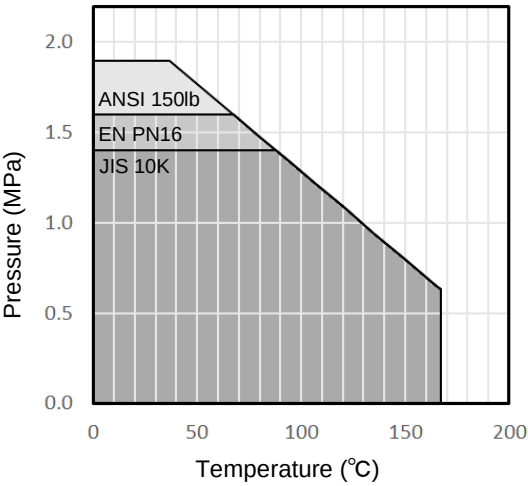
Thank you very much for choosing the Yoshitake product. To ensure the correct and safe use of the product, please read this manual before use. This manual shall be kept with care for future references. The symbols used in this manual have the following meanings.

⚠ Warning	This symbol indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.
⚠ Caution	This symbol indicates a hazardous situation that, if not avoided, may result in minor or moderate injury or may result in only property damage.

1. Specification

Model	BLV-2SF		
Nominal size	15 to 100A		
Application	Steam, Air, Cold and hot water, Oil, Other non-dangerous fluids		
Max. using pressure	1.4 MPa *1	1.6 MPa *1	1.9 MPa *1
Max. using temperature	167 °C *1		
Connection	JIS 10K RF equivalent	EN PN16 equivalent	ANSI 150lb RF equivalent

*1 According to Pressure-Temperature rating.



⚠ Caution
Please confirm that the indications on the product correspond with the specifications of the ordered product model before use. * If they are different, please contact us without using the product.

2. Storage and Installation

⚠ Caution
(1) Store the product indoors in a dust free, low humidity, dry and ventilated environment. (2) Installation should be conducted by suitably trained personnel, wearing protective head, eye, hand and foot protection. (3) Connect the product firmly so that the fluid will not leak. (4) In order to avoid excessive piping stress in the valve, carefully align the center of the valve and the connected pipe so that they will be in line. (5) In case that the product is expected to be frozen, be sure to conduct freezing prevention measures or water draining treatment (after use). (6) The valve can be installed in both horizontal and vertical pipes, but the position must be from upright to sideways. Do not install the valve upside down. (7) There is no restriction on the flow direction.

3. Operation

⚠ Warning
(1) Before applying fluid, make sure that there is no danger if the fluid flow into the end of the piping. (2) When using with a high temperature fluid, do not touch the product with your bare hands.

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⚠ Caution

- (1) When applying the fluid into the valve, operate the valve slowly to prevent water hammer and condensate problem.
- (2) The product should be used fully open or fully close.

4. Troubleshooting

Trouble	Cause	Remedy
External leak	1. Nut is loose.	1. Tighten nut.
	2. Bolt is loose.	2. Tighten bolt.
	3. Gasket is damaged.	3. Replace the product.
	4. Gland packing is damaged.	4. Replace the product.
Seat leak	1. Seat is damaged.	1. Replace the product.
	2. Ball is damaged.	2. Replace the product.
	3. Foreign substances are stuck.	3. Remove the foreign substances.
Abnormally high operation torque	1. Bolt is overtightened.	1. Loosen bolt and re-tighten so that there is no leak (but not too tightly).
	2. Foreign substances are stuck.	2. Remove the foreign substances.
Abnormal sound	1. Bolt is loose.	1. Tighten bolt.

5. Maintenance

⚠ Warning

When disassembling and inspecting the product, ensure that pressure in the valve and pipe is released to atmospheric pressure. If using with high temperature fluids, cool the product down well until it can be touched with bare hands.

6. After service

1. Limited warranty

This product has been manufactured using highly-advanced techniques and subjected to strict quality control. Please be sure to use the product in accordance with instructions on the manual and the label attached to it.

Yoshitake warrants the product to be free from any defects in material and workmanship under normal usage for a period of one year from the date of receipt by the original user, but no longer than 24 months from the date of shipment from Yoshitake's factory.

2. Parts supply after product discontinuation

This product may be subject to discontinuation or change for improvement without any prior notice. After the discontinuation of the product, Yoshitake supplies the repair parts for 5 years otherwise individually agreed.

3. This warranty does not cover the damage due to any of below:

- (1) Valve seat leakage or malfunction caused by foreign substances inside piping.
 - (2) Improper handling or misuse.
 - (3) Improper supply conditions such as abnormal water pressure/quality.
 - (4) Water scale or freezing.
 - (5) Trouble with power/air supply.
 - (6) Any alteration made by other than Yoshitake.
 - (7) Use under severe conditions deviating from the design specifications (e.g. in case of corrosion due to outdoor use).
 - (8) Fire, flood, earthquake, thunder and other natural disasters.
 - (9) Consumable parts such as O-ring, gasket, diaphragm and etc.
- Yoshitake is not liable for any damage or loss caused by malfunction or defect of the product.

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