

GLOBE VALVE GLV-10F & 20F

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	GLV-10F	GLV-20F
Nominal size	15 to 50A	
Application	Steam, Air, Cold and hot water, Oil, Other non-dangerous fluids	
Max. using pressure	1.4 MPa*1	2.8 MPa*1
Max. using temperature	300°C*1	350°C*1
Connection	JIS 10K FF flanged	JIS 20K RF flanged

*1 The relation between using pressure and using temperature is according to JIS B2051 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) To install the product, check the direction of the product so that the fluid flowing and the arrow marked on the product are in the same direction.
- (4) Be careful that the threaded connection between the mating pipe and the internal threaded connections of the valves are in line to avoid piping stresses in the valves.
- (5) During transportation or storage of the product leakage may occur from the gland nut due to decreasing of tightening pressure by stress relaxation of the packing. Be sure to retighten the gland nut before use.
- (6) In case that the product is expected to be frozen, be sure to conduct freezing prevention measures or water draining treatment (after use).

3. Operation

Warning

Before applying fluid, make sure that there is no danger if the fluid flow into the end of the piping.

* Failure to follow this notice may result in property damage due to fluid leakage.

Caution

- (1) When using the product with its valve fully open, turn the handle counterclockwise by 45 degrees from the fully open position to prevent the valve from being stuck.
- (2) Be sure to open/close the valve by applying torque within the limit specified in "the valve User's Guide" published by the Japan Valve Manufacturers Association. Do not apply torque more than specified.
- (3) Do not try to turn the handle beyond its fully open/closed positions. Otherwise the valve may be damaged.

4. Troubleshooting

Trouble	Cause	Remedy
Outside leakage	1. The gland nut is loosened.	1. Tighten the gland nut additionally.
	2. The gland packing is damaged.	2. Replace the product with new one.
	3. The spindle is damaged.	3. Replace the product with new one.
Leakage from the valve and/or valve seat on complete closing	1. The valve and/or valve seat is damaged.	1. Replace the product with new one.
	2. Foreign substance is stuck.	2. Remove the foreign substance.
Operation torque of the handle is abnormally large	1. Too much tightening of the gland nut.	1. Loosen the gland nut and tighten it again to the no leakage degree.
	2. Foreign substance is stuck on spindle and screw part.	2. Remove the foreign substance.
Abnormal sound	1. Each screw part is loosened.	1. Retighten the loosened parts.

5. Maintenance

Warning

Completely discharge the pressure inside of the product, line and equipment before inspection and maintenance. For high temperature fluid, cool down the product till it can be touched with bare hands.

* Failure to follow this notice may result in injury or burns due to residual pressure.

Periodic inspection

Please conduct periodic inspection about once a year in order to maintain optimal performance and function of the product.

Inspection item

- Opening and closing operation
- Abnormal sound
- Outside leakage

If any abnormality is found, see “4. Troubleshooting” and conduct appropriate measure.

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.

4. On repair request after warranty is expired

In case that performance of the product can be maintained, we repair the product with charge on customer's request.

YOSHITAKE

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