



# Use and Care Guide

## Models BW-CVK15 and BW-CVK20

1½-inch and 2-inch Quiet Check Valve with Slip Connections and Rubber Unions



## Safety Information

**WARNINGS:** Always unplug your pump or disconnect from the power source before servicing. Reconnect and test pump system after service.

- This check valve is not for use in sewage applications
  - Check valve must be installed with the arrow pointing away from the sump pit
  - Do not over tighten clamps
  - When installing the check valve in a horizontal application the hinged spring mechanism of the flapper must be positioned at the top (see diagram A)
  - When a check valve is used, a 3/16" (4.7mm) air bleed hole must be drilled in the PVC pipe above the pump. Drill the hole at a 45° angle toward the bottom of the sump to avoid splashing water outside the sump pit. Make sure the hole is above the water line, and below the check valve.
- If a hole is not drilled above the pump, an air lock may prevent the pump from operating (see diagram B).

Diagram A

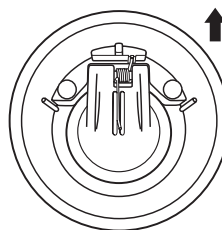
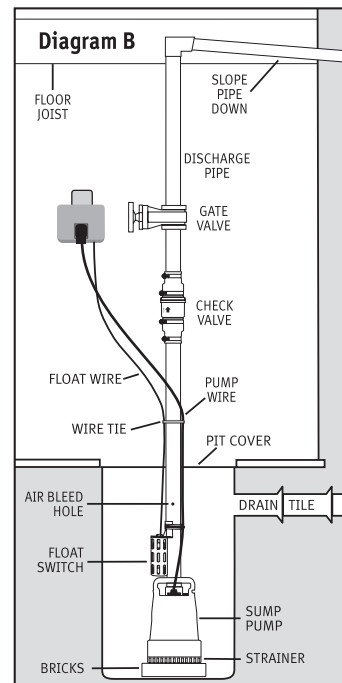


Diagram B



## Installation

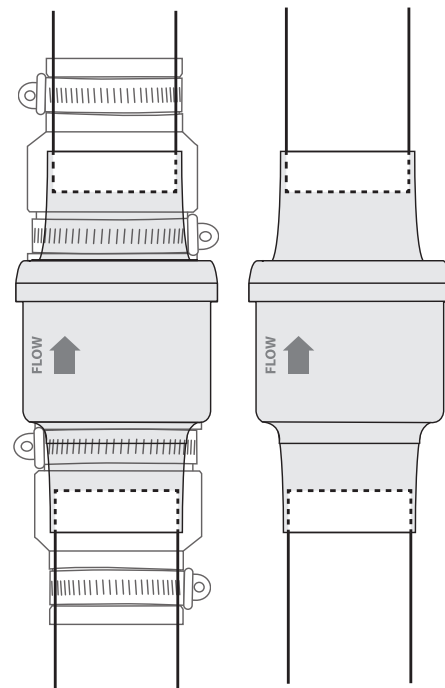
### With Flexible Adapters

1. Unplug your sump pump or disconnect from power source.
2. Disconnect the discharge pipe from your sump pump below your existing check valve.
3. Drain the discharge pipe above the check valve into your sump pit basin or a bucket and remove the old check valve.
- 4a. For the BW-CVK15, ensure the space between the two discharge pipe ends is 3½-inches - 4½-inches apart.
- 4b. For the BW-CVK20, ensure the space between the two discharge pipe ends is 5-inches - 6-inches apart.
5. Loosen both hose clamps of the upper flexible adapter and remove it from the new check valve.
6. Wet both ends of the discharge pipe and slide the 1½-inch side of the upper flexible adapter up onto the upper discharge pipe.
7. Loosen the lower hose clamp of the lower flexible adapter and install the new check valve with the flow arrow pointing away from the sump pit by inserting the lower flexible adapter onto the lower discharge pipe. The discharge pipe should slide in about 2½-inches into the flexible adapters. At this depth, the discharge pipe will be seated into the slip joints of the check valve.
8. Align the check valve with the upper discharge pipe and slide the upper discharge pipe and upper flexible adapter into the check valve. Be sure the discharge pipe and flexible adapter are properly seated into the check valve.
9. Position the check valve assembly as shown and tighten all clamps. Do not over-tighten. The check valve and discharge pipe should be straight.
10. Plug in your sump pump. Cycle your sump pump system several times and check for leaks. Re-tighten any clamps if necessary. Do not over-tighten the clamps.

### Without Flexible Adapters

For this application you will be removing the two flexible adapters as they will not be needed. Instead, you will need PVC primer and cement to complete the installation. It is recommended to dry fit the check valve and discharge pipe before using the PVC primer and cement.

1. Unplug your sump pump or disconnect from power source.
2. Disconnect the discharge pipe from your sump pump below your existing check valve.
3. Drain the discharge pipe above the check valve into your sump pit basin or a bucket and remove the old check valve.
- 4a. For BW-CVK15, ensure the space between the two discharge pipe ends is 3½-inches - 4½-inches apart.
- 4b. For BW-CVK20, ensure the space between the two discharge pipe ends is 5-inches - 6-inches apart.
5. Loosen the clamps from the flexible adapters and remove the adapters from the check valve.
6. Following the instructions on the PVC primer and cement, install your new check valve with the flow arrow pointing away from the sump pit by inserting the two discharge pipe ends into check valve. The discharge pipe should slide in about 1-inch on each side.
7. Position the check valve assembly as shown. The check valve and discharge pipe should be straight.
8. Plug in your sump pump. Cycle your system several times and check for leaks.



With Flexible Adapters

Without Flexible Adapters

# Use and Care Guide

Quiet Check Valve (BW-CVK15 and BW-CVK20)



## Limited Warranty

By opening this package and using this GLENTRONICS, INC. product, you are agreeing to be bound by the terms of the GLENTRONICS, INC. limited warranty ("warranty") as set out below. Do not use your product until you have read the terms of the warranty. If you do not agree to the terms of the warranty, do not use the product and return it within the return period stated on your purchase receipt from the retail store or authorized distributor where you purchased it for a refund.

To the extent permitted by law, this warranty and the remedies set forth are exclusive and in lieu of all other warranties, remedies and conditions, whether oral, written, statutory, express or implied. GLENTRONICS, INC. disclaims all statutory and implied warranties, including without limitation, warranties of merchantability and fitness for a particular purpose and warranties against hidden or latent defects, to the extent permitted by law. GLENTRONICS, INC. will not be liable for any incidental, special or consequential damages for breach of any express or implied warranties on this product. In so far as such warranties cannot be disclaimed, GLENTRONICS, INC. limits the duration and remedies of such warranties to the duration of this express warranty and, AT GLENTRONICS, INC.'s option, the repair or replacement services described below. Some states (countries and provinces) do not allow limitations on how long an implied warranty (or condition) may last, so the limitation described above may not apply to you.

Any and all causes of action arising from, filed as a result of or in reference to, this warranty or the products described under this warranty shall be governed by and construed under the laws of the State of Illinois. Any cause of action arising from, filed as a result of or in reference to, this warranty or the products described under this warranty shall be filed only in the Circuit Court of the 18th Judicial District, Lake County, Waukegan, Illinois, or in the Northern District of Illinois if filed in Federal Court. The maximum liability for any product described in this warranty shall be the cost of product replacement only.

If any term is held to be illegal or unenforceable, the legality or enforceability of the remaining terms shall not be affected or impaired.

### What is Covered by this Warranty?

GLENTRONICS, INC. warrants to the end purchaser that its check valve products are free from defective materials and workmanship for the periods indicated below:

All parts and labor (excluding installation) for a period of:

- 1 year from the date of purchase, when used as a sump pump check valve

The defective product must be returned directly to the factory, postage prepaid with the original bill of sale or receipt to the address listed below. GLENTRONICS, INC., at its option, will either repair or replace the product and return it postage prepaid.

### What is NOT Covered by this Warranty?

This warranty does not cover the cost or value of damaged property, including expressly any property that has been affected by water overflow, seepage or flooding. If GLENTRONICS, INC. determines that a product is deemed defective under this warranty agreement, it will repair or replace the PRODUCT ONLY. GLENTRONICS, INC. will not cover the cost to reinstall the product, nor will GLENTRONICS, INC. pay the cost of having a plumber or contractor repair or replace the product.

GLENTRONICS, INC. will not repair or replace a product that was installed incorrectly. A product shall be considered "installed incorrectly" when it deviates in any way from the instructions described in this manual.

This warranty does not cover product problems resulting from handling liquids hotter than 104 degrees Fahrenheit, handling inflammable liquids, solvents, strong chemicals or severe abrasive solutions; user abuse; misuse, neglect, improper maintenance, commercial or industrial use; improper connection or installation, damages caused by lightning strikes; excessive surges in AC line voltage; water damage to the controller; other acts of nature, or failure to operate in accordance with the enclosed written instructions. This product is for ground water applications only.

### How to Obtain Warranty Service

Within thirty (30) days of the product's defective performance, the unit must be shipped, freight prepaid, or delivered to GLENTRONICS, INC. to provide the services described hereunder in either its original carton and inserts, or a similar package affording an equal degree of protection. Products not received by GLENTRONICS, INC. at the address indicated below within thirty (30) days of the product's defective performance will not be considered for warranty service. Products received after one (1) year from the date of purchase, fall outside of the timeframe for warranty service and will not be eligible for warranty service. The product must be returned to GLENTRONICS, INC. for inspection in order to be considered for warranty service. If the product is not returned to GLENTRONICS, INC. or the product is inspected by any person, plumber, contractor or business other than GLENTRONICS, INC., this warranty shall no longer be valid. Prior to defective operation, the unit must not have been previously altered, repaired or serviced by anyone other than GLENTRONICS, INC., or its agent; the serial number on the unit must not have been altered or removed; the unit must not have been subject to accident, misuse, abuse or operated contrary to the instructions contained in the accompanying manual. The dealer's dated bill of sale, or installer's invoice must be retained as evidence of the date of purchase and to establish warranty eligibility.

### Where are Products Sent for Warranty Service?

Glentronics, Inc., 645 Heathrow Drive, Lincolnshire, IL 60069

### How Can I Obtain More Information?

By calling 800-991-0466. Visit [www.BasementWatchdog.com](http://www.BasementWatchdog.com)