SWAN INDUSTRIES, INC.

HOT WATER HEATER
BY-PASS
#RMV-336

Prevent-A-Freeze

Installation and Operating Manual

Don't Let The Fear Of Freeze Ups Ruin Your RV Fun!

IMPORTANT
KEEP MANUAL IN RV AT ALL TIMES
AN INTRODUCTION TO THE WORLD OF SWAN INDUSTRIES

WINTERIZING SPECIALISTS

We want to take this opportunity to thank you again for your purchase and wish you many years of trouble-free winterizing.

As you might have guessed already, this is not just an instruction book, this is your Installation and Operation Manual, therefore, we suggest you keep it in your RV at all times. Aside from the Illustrated Instructions, you also get detailed operation instructions and a special question and answer section in the back. This section is a compilation of the most frequently asked questions.

We ask you to please read this entire manual before you attempt to install your Prevent-A-Freeze™. Be sure to study the illustrations carefully and use proper materials. If there is any way we can help you, call our Bend number (541) 389-4668 and we'll answer any questions you might have. See you on the road this winter!

Thank You
Swan Industries

OTHER PRODUCTS THAT OFFER CONVENIENCE. If you want information on the
SAN-T-FLUSH™ that will completely flush and deodorize you holding tanks automatically –
Call Us Today!

Plumbing Protection Systems
We have winterizing systems available for homes, cabins, condos, vacation homes, boats, fresh water
and engine block winterization systems.

U.S. Patent No. 4,286,617
Other Patents Pending
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To Winterize

First make sure pump switch is off. Fill antifreeze tank with NON-TOXIC antifreeze. This tank takes 2 to 3 gallons of antifreeze. Do not overfill.

1. Drain water tank and water heater, ALLOW TO DRAIN COMPLETELY! (Note: water heater will not drain unless relief valve is opened).

2. Turn water pump off.

3. Turn winterize valve to winterize position. Turn bypass valve to bypass position.

4. Turn on pump switch.

5. Open hot water faucet farthest away from water tank. When red antifreeze appears, let about a cup run down drain (this will winterize traps). Do the same to all other water outlets (hot and cold) including shower and toilet. (Flush until red antifreeze appears.)

6. Turn off pump switch.

7. Open water faucet to relieve pressure (hot and cold), then close.

That’s it! You are now fully winterized! After two or three times, it will become second nature.

To De-Winterize

1. First fill water tank.

2. Turn winterizing valve to normal flow position.

3. Keep bypass valve to bypass position. This will keep antifreeze from entering water heater.

4. Turn on pump switch.

5. Open water faucet farthest from water tank (catching antifreeze in a container) until CLEAR water appears. Shut off faucet. Do this to all other faucets, shower heads and toilet.

6. Turn bypass valve to normal flow position. This will allow the tank to fill.

7. Open hot water line until water appears.

8. Turn on water heater. Your water system is now ready to use!!
Bypass Valve Installation

1. Locate and drain hot water heater. NOTE: All parts of Bypass Assembly are factory assembled hand tight only for installation convenience. It will be necessary to remove some parts to aid in installation.

2. Remove hot water line from water heater. (Hot water line is usually on the top of hot water heater). Remove the fitting or nipple which screws directly into hot water heater. Remove brass check valve from bypass assembly and screw it into hot water heater at the hot water connection. (Be sure to use plumbers putty or teflon tape on all fittings.) Also be sure arrows on check valve appear as in illustration.

3. Tighten tee fitting on left side of bypass valve until the tee fitting points straight back toward water heater. (see illustration 4).

4. Screw by pass valve assembly onto brass check valve. Tighten securely rotating valve assembly into convenient operating position.

5. Connect hot water line(s) to tee assembly. NOTE: Some RVs have a tee fitting at the hat water connection, with two hot water lines. If your RV is so equipped it will be necessary to disconnect hot water lines from tee, remove tee from tank, assembly hot water lines back on tee run lines from tee to tee assembly on bypass valve. (see illustration 4).

6. Disconnect cold water supply line(s) from hot water tank and install 1/2" elbow. (see illustration 4).

7. Connect line A from bypass assembly right elbow on cold water inlet (as described in step 6).

8. Connect cold water supply line(s) to bottom elbow of bypass assembly. NOTE: Some RVs have a tee fitting into cold inlet of hot water tank and two lines. If your RV is so equipped it will be necessary to reconnect the two lines to the tee fitting and connect a short line from top of tee to bottom elbow on bypass valve.

This completes bypass installation. Recheck to make sure all connections are tight and properly installed.
Questions & ANSWERS
USE OF YOUR ALL SEASON WATER SYSTEM

1. Q. Can Prevent-A-Freeze™ be installed in any RV?
   A. Yes, it can be installed in any camper, travel trailer or motor home (new or old) that is self-contained and has a water pump.

2. Q. How much space does it take?
   A. Prevent-A-Freeze™ come with their own antifreeze tank for NON-TOXIC anti-freeze only. Measurements are either a 2 gallon tank approximately 12” long, 7 1/2” wide, 6 1/2” high or a 3 gallon tank that is 16” long, 7 1/2” wide, 6 1/2” high.

3. Q. How much non-toxic antifreeze does it take to winterize?
   A. To winterize all water pressure lines plus traps and RV water pump, it takes approximately 3/4 gallon of non-toxic antifreeze to winterized a 30’ motor home. Your RV will take less if smaller or if longer than 30’, a small amount more.

4. Q. Is the antifreeze wasted after each use?
   A. We suggest you catch the non-toxic antifreeze in a small container each time you DE-winterize and simply pour back into outside fill for antifreeze tank.

5. Q. Each time I DE-winterize, does it dilute the non-toxic antifreeze?
   A. Every time you DE-winterize your RV, you will get a small amount of water with the antifreeze. We recommend that after de-winterizing 10 times, drain 1 gallon of antifreeze from A-tank and then add a fresh gallon of non-toxic antifreeze to antifreeze tank.

6. Q. Where do I buy NON-TOXIC antifreeze
   A. Most RV dealers and RV service outlets keep in stock NON-TOXIC antifreeze.

7. Q. Where can I install the antifreeze tank?
   A. The tank may be installed just about anywhere in your RV – next to water tank, in any of the cabinets. It is recommended to install it as close to fresh water pump as possible. Reason – antifreeze is heavier than water, closer to water pump, the less work load for pump.

Now you can enjoy your RV using our water system 12 months of the year. No more 5 gallon cans of water. See you on-the-road this winter!
IS WINTER THE TIME FOR YOUR RV TO Hibernate?

Not any more!

Prevent-A-Freeze

MAIL THIS HANDY ORDER FORM

Please send me freight prepaid a PREVENT-A-FREEZE unit. I understand that with PREVENT-A-FREEZE installed, I can winterize or dewinterize my RV in less than five minutes. I also understand that PREVENT-A-FREEZE will prevent broken pipes and the fear of costly repairs from freeze-ups.

Suggested Retail
Call 1-800-228-7926
Order Today
Manual PREVENT-A-FREEZE-$ 99.95
Automatic PREVENT-A-FREEZE-$ 395.00
☐ Check or money order
☐ Charge my
☐ Visa / Mastercard

Credit card number

Mastercard
Expiration date
Inter bank number
(required)

Signature X

Mail and make payment payable to:
SWAN INDUSTRIES, INC.
633 NE First St.
Bend, OR 97701

Name
Address
City
State
Zip

Please Print:

Now you can take your RV with you in style and comfort when you travel in cold weather. Now there’s a system available that makes it possible to use your full RV water system year round! This system is called Prevent-A-Freeze and it does just that. It is a permanently installed system that fits all self-contained demand water systems - old or new. Within 5 minutes you can winterize your RV. In the same amount of time, you can De-winterize it. Just think of it winterize with the push of a button, protect your RV’s entire plumbing system from costly freeze ups.

Amazing? We think so. Complicated? Not really. The principle is simple. And, with the new, completely illustrated instruction and operation manual, the installation is easy.

Price? The price is comfortable - especially considering the extra convenience and added versatility, this means for you and your RV. Now you can have peace of mind with no fear of freeze ups!

Don’t wait... take advantage of our spring special!

Prevent-A-Freeze systems also available for your home, cabin or condo!

SWAN INDUSTRIES
633 NE First St.
Bend, OR 97701
Ph. (541) 389-4668
Warranty

(1) One Year Limited Warranty.
(2) Labor, shipping & handling costs are excluded.
(3) Warranty covers only the original purchaser of newly manufactured Rv's Warranty not transferable to subsequent owners.
(4) Warranty becomes null and void if products have been repaired, or modified by an unauthorized person, or has been improperly operated, or in any way abused. **
(5) Swan Industries, Inc. Assumes no expressed or implied warranty responsibility other than set forth above and will not accept responsibility for any other Warranties issued and/or implied.

* Original Equipment Manufacturer.
** Void if damage results from freezing.

SWAN INDUSTRIES, INC.

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