

Nutripure[®]

SANITARY CONDITIONERS

TANK VENT Model 9



Installation, Operation & Maintenance

ATLANTIC  **ULTRAVIOLET**
CORPORATION[®]

SINCE 1963

Manufacturers / Engineers / Sales / Service
Germicidal Ultraviolet - Equipment & Lamps

375 Marcus Boulevard • Hauppauge, NY 11788
631.273.0500 • Fax: 631.273.0771
Email: Sales@AtlanticUV.com
Ultraviolet.com • BuyUltraviolet.com

Extensive Product Information Available at:

Ultraviolet.com
BuyUltraviolet.com



Owner's Manual

TABLE OF CONTENTS

SAFETY WARNINGS	3
SAFETY INSTRUCTIONS	3
SAFETY LABELING	4
CAUTION	4
PRODUCT FEATURES	5
PRODUCT APPLICATION	5
PRINCIPLE OF OPERATION	5
INSTALLATION	6
LOCATION SELECTION	6
MOUNTING OF UNIT	7
MAINTENANCE	8
MAINTENANCE OVERVIEW	8
CLEANING GERMICIDAL LAMPS & REFLECTOR	8
TECHNICAL SPECIFICATIONS	9
MAINTENANCE NOTES	10–11
USER ASSISTANCE	12
PATENT NOTICE	12
WARRANTY & PRODUCT REGISTRATION	12

These instructions generally describe the installation, operation and maintenance of the **Nutripure**[®] Sanitary Conditioner Tank Vent. Questions that are not specifically answered by these instructions should be directed to the Factory. Atlantic Ultraviolet Corporation[®] takes all possible precautions when packaging equipment to prevent damage. Carefully inspect and report all damage upon receipt of product. Do not install damaged equipment. Follow all instructions on all labels and tags. Carefully inspect all packing materials before discarding to prevent the loss of accessories, mounting hardware, spare parts or instructions.

The information and recommendations contained in this publication are based upon data collected by the Atlantic Ultraviolet Corporation[®] and are believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. Specifications and information are subject to change without notice.



SAFETY WARNINGS

- All personnel should be alerted to the potential hazards indicated by the product safety labeling on this unit.
- The following conventions are used to indicate and classify precautions in this manual and on product safety labeling. Failure to observe precautions could result in injury to people or damage to property.

 This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

 **DANGER** Danger indicates an **IMMINENTLY** hazardous situation, which, if not avoided, **WILL** result in death or serious injury.

 **WARNING** Warning indicates a **POTENTIALLY** hazardous situation, which, if not avoided, **COULD** result in death or serious injury.

 **CAUTION** Caution indicates a **POTENTIALLY** hazardous situation, which, if not avoided, **MAY** result in minor or moderate injury.

 **CAUTION** Caution used without the safety alert symbol indicates a potentially hazardous situation, which, if not avoided, may result in property damage.

 This symbol/pictorial is used to identify an **ELECTRICAL SHOCK** or **ELECTROCUTION** hazard.

 This symbol/pictorial is used to identify an **ULTRAVIOLET LIGHT** hazard.

 This symbol/pictorial is used to identify the need to wear approved ultraviolet blocking eyewear.

 This symbol/pictorial is used to identify the need to wear approved ultraviolet blocking face shield.

 This symbol/pictorial is used to identify the need to wear protective gloves.

 This symbol/pictorial is used to identify components which must not be disposed of in trash

SAFETY INSTRUCTIONS

 **WARNING** To guard against injury, basic safety precautions should be observed. NOTE that the Nutripure® Tank Vent is used in conjunction with the Nutripure® Sanitary Conditioner Models 7-ASC/8-ASC/9-ASC. Therefore these safety instructions pertain to utilizing both Nutripure® Tank Vent with the Nutripure® Sanitary Conditioner.

1. Read and follow ALL safety instructions.

    **WARNING** Avoid exposure to direct or reflected germicidal ultraviolet rays. Germicidal ultraviolet rays are harmful to the eyes and skin.

2. Do not use this product for other than its intended purpose as described in this manual.

3. Do not alter design or construction.

4. Do not remove any labels or devices.

5.  **DANGER** To prevent the risk of severe or fatal electrical shock, special precautions must be taken since liquid is present near electrical equipment. Always disconnect power before performing any service or maintenance.

    **WARNING** Avoid exposure to direct or reflected germicidal ultraviolet rays. Germicidal ultraviolet rays are harmful to the eyes and skin.

6. Intended for indoor use only. The sanitary conditioner must be protected from the elements and from extremes in temperature. Ambient operating temperature range is 40 °F to 100 °F.

7. Do not operate sanitary conditioner if lamp cable, lamp connection, power cord and/or plug are damaged, or if any other damage to the sanitary conditioner is visible or suspected.

8. Electrical power supplied to the sanitary conditioner **MUST** match power requirements listed on the sanitary conditioner.

9. Plug the sanitary conditioner into an approved ground fault circuit interrupt (GFCI) receptacle.

10.   **CAUTION** Do not operate without proper electrical ground.

11. Keep inlet and outlet of the blower clean and clear of debris.

12. Stay clear of blowers or other moving parts that can cause injury.

13.   **WARNING** Always disconnect power to the unit before performing any service or maintenance.

14. Read and follow all notices and warnings on the unit.

15. **SAVE THESE INSTRUCTIONS.**

SAFETY LABELING

This Nutripure® Tank Vent Unit has the following Warning and Advisory Labels Attached Prior to Shipment:



Warning Label: No Standing or Sitting on Unit
PN# 00-00351 (Measures: 5" x 4.9375") (2-Required)

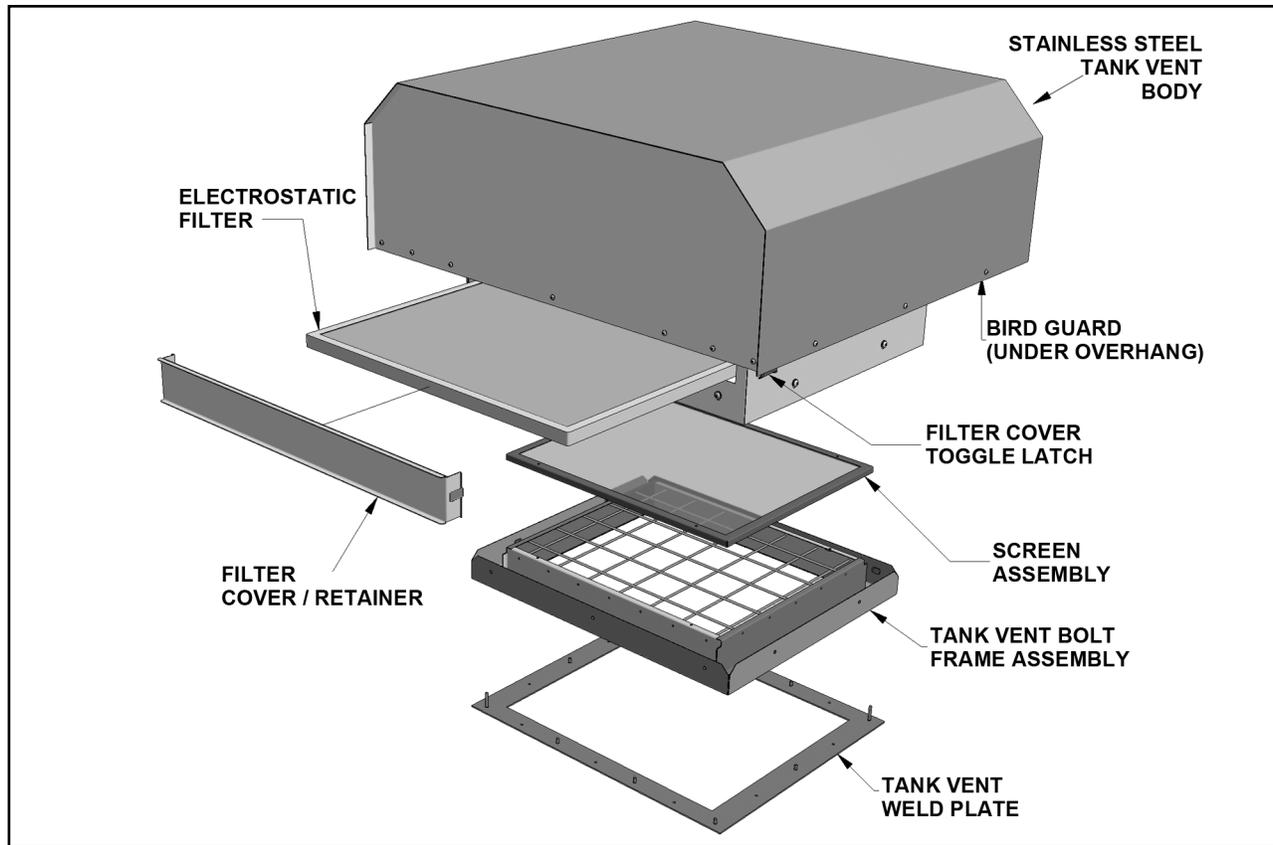


Vented Air Flow / Do Not Block Caution Label
PN# 00-0353 (Measures: 5" x 1.875") (2-Required)

CAUTION

It is the user's responsibility to determine and validate the suitability of this equipment for use in the user's system or process. No warranty or representation is made by the manufacturer with respect to suitability or performance of this equipment or to the results that may be expected from its use. The user should periodically inspect, clean as necessary and confirm the presence and good legibility of the product safety labels. Contact the factory for replacement labels in the event that any of the labels are missing or illegible.

PRODUCT FEATURES



PRODUCT APPLICATION

PRINCIPLE OF OPERATION

The **Nutripure**[®] Tank Vent is designed to freely vent exhausted air produced by the **Nutripure**[®] Sanitary Conditioner from the air space above the liquid in a storage tank. The design includes a two part screen protection barrier, made up of a bar screen, to protect large objects from entering the tank and a wire mesh screen, to prevent small objects from entering the tank. A washable electrostatic filter is located just above the protection barrier. This filter prevents dust, and other contaminants from entry into the top of the tank and is accessible by removing the filter cover. The filter cover is tethered to the tank vent to prevent loss and held securely in place by two latches. The **Nutripure**[®] Tank Vent has an additional wire mesh screen cover fitted to the underside of the exhaust to prevent intrusion of birds or any other creature to the interior of the tank.

INSTALLATION

LOCATION SELECTION

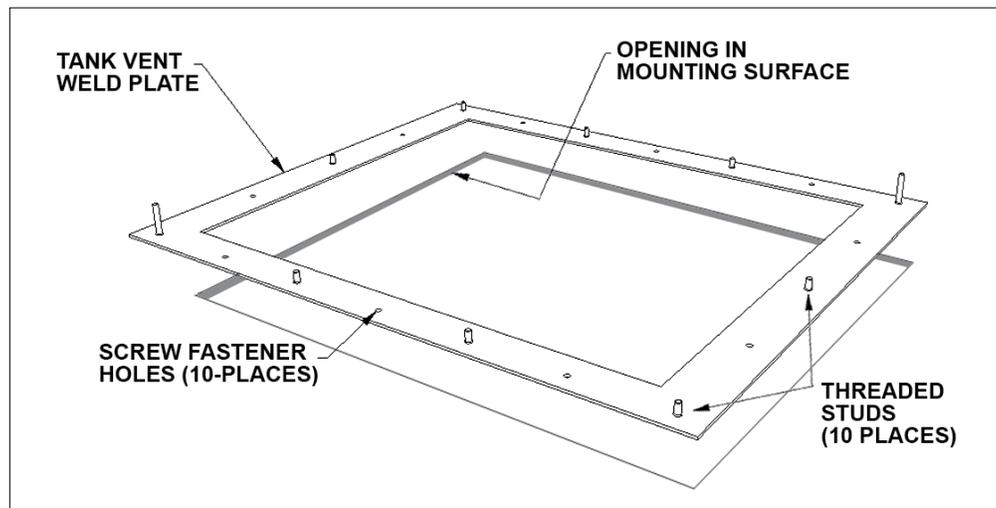
1. Tank Vent can be installed either indoors or outdoors.
2. Selected location must be in a properly ventilated area. Air exhaust should be clear of any obstructions that would hinder or reduce air flow from the underside of the Tank Vent.
3. Selected location should allow enough space for removal of Filter which will be removed during routine maintenance procedures.
4. Mounting location requires a flat horizontal surface area measuring a minimum of 25 inches x 30 inches. Install carefully to ensure proper sealing of the Tank Vent to the mounting surface.

MOUNTING OF UNIT

1. **NUTRIPURE®** Tank Vent must be mounted to a secure platform capable of supporting the total weight of the unit which is approximately 95lbs.
2. **NUTRIPURE®** Tank Vent must be mounted on a horizontal surface to ensure falling rain or debris cannot enter the underside of the vent.
3. Using the Tank Vent Weld Plate as a guide, locate a flat area and outline the outside and inside shape of the Weld Plate on the mounting surface. The inside represents the size hole which will be required in the tank. (**Figure 1**)
4. The finished hole should present a flat rigid surface of adequate strength for mounting the tank vent. Reinforce the hole if necessary to achieve the necessary rigidity and flatness.
5. The **NUTRIPURE®** Tank Vent can mount to the tank in two different manners, either by welding or with screw fasteners.
 - a. For welding, the installer simply welds the Weld Plate to the tank while using the interior of the Weld Plate as their guide to the size hole required in the tank.
 - b. For screw mounting, you may choose to discard the Weld Plate and directly mount the Tank Vent Bolt Frame.

Assembly to the tank using the bolt pattern to mount, or you may bolt through both the Weld Plate and the Tank Vent Bolt Frame Assembly. Hardware is not provided and it is recommended to use an approved Silicone type sealant when mounting the Tank Vent. Use screw fasteners to ensure a seal is made between this assembly and the tank it is mounting to.

Figure 1

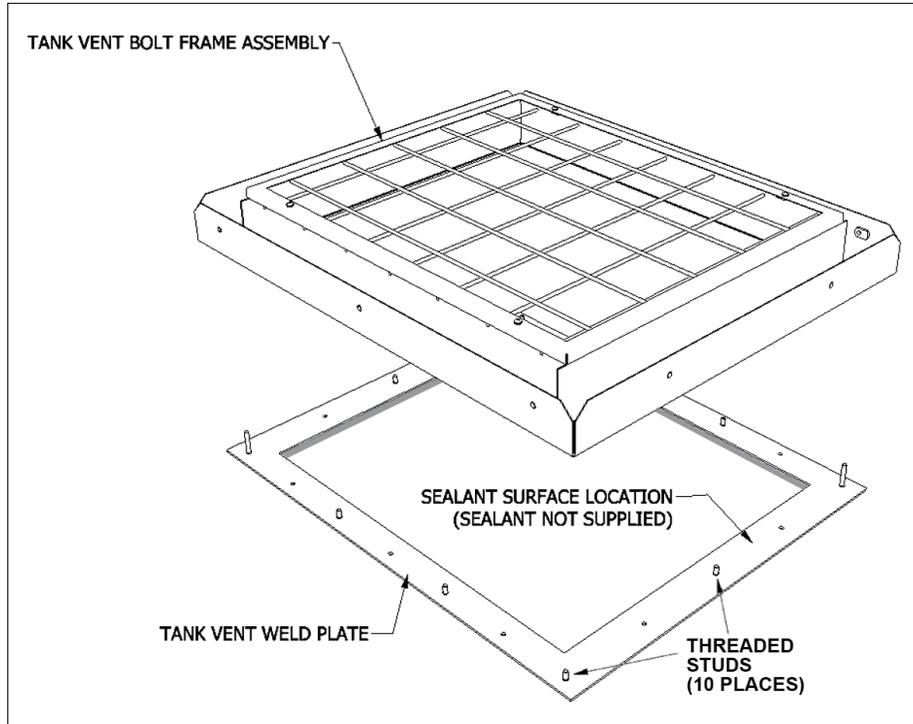


INSTALLATION CONT.

MOUNTING OF UNIT (CONTINUED)

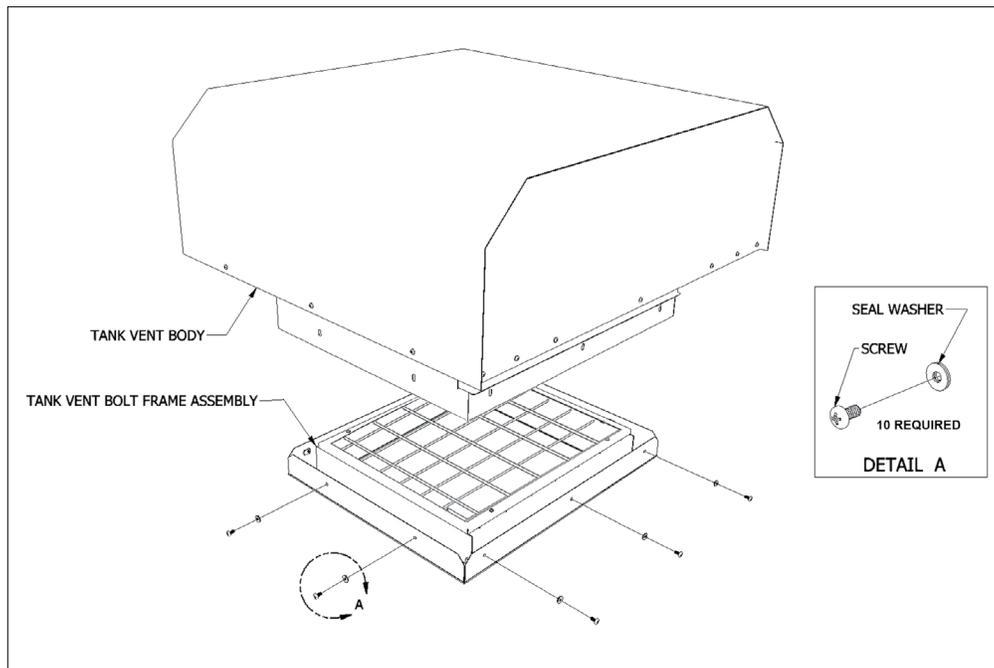
- Next, align the Tank Vent Bolt Frame Assembly with the threaded studs and fasten with the hardware supplied. An approved Silicone type sealant should be used between the two assemblies to ensure a seal. **(Figure 2)**

Figure 2



- Once the Tank Vent Bolt Frame Assembly is secured to the tank, the Tank Vent Body is lifted over the frame and secured using horizontal hardware. **(Figure 3)**

Figure 3



MAINTENANCE

MAINTENANCE OVERVIEW

The Tank Vent is designed to operate with a minimal amount of maintenance. A regular inspection to ensure the unit is secure, sealed and clear of dirt and debris as well as a regular cleaning cycle of the interior and electrostatic filter **MUST** be established, and carefully maintained, based on inspection and experience. The frequency of cleaning will vary with the conditions surrounding each installation.

CLEANING AND/OR REPLACING THE TANK VENT FILTER



IN ORDER TO PERFORM THIS TASK, BE SURE TO WEAR THE FOLLOWING SAFETY EQUIPMENT: SAFETY GLASSES OR A FACE SHIELD, AS WELL AS GLOVES.

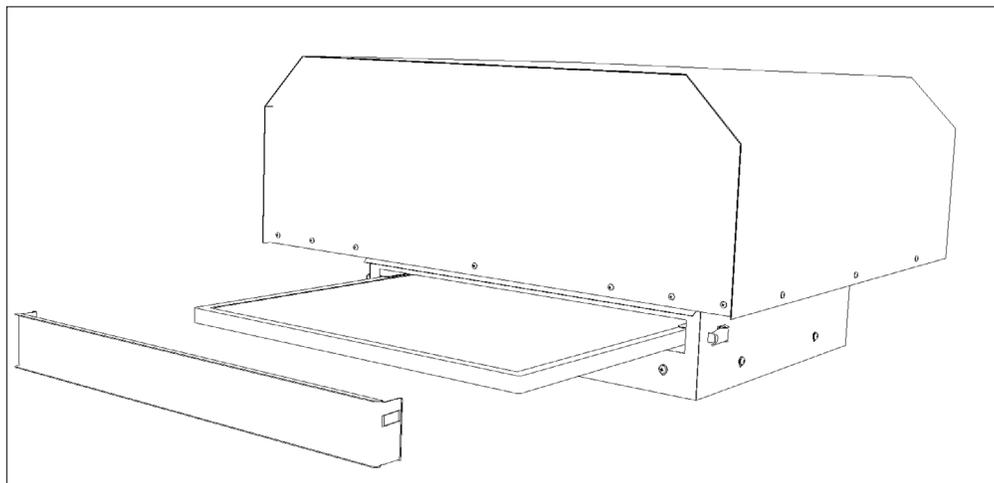
The **Nutripure**[®] Tank Vent is fitted with removable, washable, electrostatic air filter. **DO NOT** apply oil, or adhesive sprays to the filter. In most applications, regular vacuuming will maintain peak performance; periodically flushing the filter with clean water is recommended whenever vacuuming fails to restore a clean appearance.

Filter may be cleaned repeatedly without loss of efficiency.

The frequency of cleaning will vary with the conditions surrounding each installation.

1. Release both cover latches and carefully remove the filter cover/retainer. The cover is attached to the body with a cable to ensure the cover is not lost.
2. Holding the top frame of the intake filter, gently slide the filter out of the filter guides as shown. **(Figure 4)**
3. Once out of the unit, inspect for damage or voids in the filter's surface. The filter should be replaced if damage is found that would allow particles to pass into the unit.
4. Use a vacuum to remove any trapped dust or dirt. If vacuuming fails to thoroughly clean the filter, immerse the filter in soapy water followed by clean rinse water. Be careful not to use a strong spray from a hose or faucet that would disrupt the filter media. Allow the filter to completely dry before re-installing into the unit.
5. Re-install the filter into the tank vent.
6. Re-install the filter cover and re-fasten latches.

Figure 4



TECHNICAL SPECIFICATIONS

Table 1 – Technical Specifications

NUTRIPURE® Model 9 Tank Vent:	Part Number 40-5135A
Particulate Filter:	Part Number 40-1399A

MAINTENANCE NOTES ---

MAINTENANCE NOTES

USER ASSISTANCE

Atlantic Ultraviolet Corporation® makes every effort to ensure that the **Nutripure®** Tank Vent is a product of superior quality and workmanship. This manual describes the installation, operation and maintenance of the **Nutripure®** Tank Vent.

Please read and become familiar with the contents of this manual before installing or using this unit. If after reading the manual you still have questions, or concerns, regarding the installation or use of this unit, contact our offices, weekdays between 8:30 am and 5:00 pm Eastern Time, at:

Atlantic Ultraviolet Corporation®
375 Marcus Boulevard
Hauppauge, New York, 11788
Tel: 631.273.0500
Fax: 631.273.0771
Email: Sales@AtlanticUV.com
Website: Ultraviolet.com
BuyUltraviolet.com

PATENT NOTICE

No attempt has been made to determine the patent status of applications illustrated or described in this publication. Inclusion in this publication of any design or method of use, which may be patented, is not to be construed as promoting or sanctioning unauthorized use.

WARRANTY & PRODUCT REGISTRATION

We warrant this product to the original owner to be free from defects in material and workmanship when installed in accordance with Atlantic Ultraviolet Corporation® specifications for a period of time as follows:

UV Water Purifier Chambers – Type 316 stainless steel chambers will have a Twelve (12) year Limited Warranty on the stainless steel chamber, from the date of original purchase while the Type 304 stainless steel chambers will have a Six (6) year Limited Warranty on the stainless steel chamber.

UV Air Disinfection Housing – Three (3) year Limited Warranty on the metal housing, from the date of original purchase.

Ballasts – Three (3) year Limited Warranty, from the date of original purchase.

UV Lamps, Monitoring Devices, Optional Accessories, and Other Parts – One (1) year Limited Warranty from the date of original purchase.

Within the warranty period we shall repair or replace such products, which are returned to us with shipping charges prepaid and which are determined by us to be defective. This warranty will not apply to any product, which has been subjected to misuse, negligence or accident; or misapplied; or modified; or repaired by unauthorized person; or improperly installed. Warranty will be null and void if any of the product's original labels are removed. This Limited warranty excludes the cost of labor.

The Buyer shall inspect the product promptly after receipt and shall notify us at our main office in writing of claims, including claims of breach of warranty, within thirty (30) days after the Buyer discovers or should have discovered the facts upon which the claim is based. Failure of the Buyer to give written notice of a claim within the time period shall be deemed to be a waiver of such claim.

The provisions of the above warranty are our sole obligation and exclude all other remedies or warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose, whether or not purposes or specifications are described herein. We further disclaim any responsibility whatsoever to the customer, or to any person for injury to person, damage to, or loss of property or value caused by any product which has been subjected to misuse, negligence, accident; or modified or repaired by unauthorized persons; or improperly installed.

Under no circumstances shall the Company be liable for any incidental, consequential or special damages; losses or expenses arising from the contract for this product, or in connection with the use of, or inability to use, our product for any purpose whatsoever.

Be sure to register your product and validate purchase within 30 days –registration is simple and will take less than 2 minutes to do.

NOTE – failure to register your purchase may jeopardize warranty.

Go to Ultraviolet.com and scroll down to the bottom of the page, under “Trust” click the “Warranty Registration Form”, complete and click “Submit”. Or click on “Warranty Registration PDF” to download the warranty registration card as a PDF, complete and mail to us at 375 Marcus Boulevard, Hauppauge, NY 11788, or simply fax to 631-273-0771. If you prefer to register by phone, please call 631-273-0500 and our customer service staff will be glad to assist you.

For your convenience, record the following information below. The model and serial number can be found on a label located on the **Nutripure®** Tank Vent. Keep this manual, along with proof of purchase, handy when contacting our offices.

Purchased From:	Date:
Model:	Serial No.: