



# Installation and Maintenance Guide

## PureMaster™ & FluorideMaster™ Combo



PureMaster™ V-300™  
&  
FluorideMaster™ Combo



PureMaster™ V-500™  
&  
FluorideMaster™ Combo



PureMaster™ V-700™  
&  
FluorideMaster™ Combo

FluorideMaster™, PureMaster™, V-Series™, PureMaster™ V-300™, PureMaster™ V-500™, PureMaster™ V-700™ and Vitalus™ are trademarks owned by Vitalus, Inc.

# Table of Contents

## System Capabilities

PureMaster™ .....	3
Effective Operating Conditions.....	3
Performance/Specifications Data .....	3
FluorideMaster™ .....	4
Effective Operating Conditions.....	4
Performance/Specifications Data .....	4

## Equipment Installation

Included Installation Components .....	5
Complete PureMaster™ or Complete FluorideMaster™ .....	5
Combo - PureMaster™ and FluorideMaster™ Complete .....	5
General Warning and Safety Precautions .....	6

## Pre-Condition Unit (Initial System Flush)

Pre-Condition Unit: Option 1 .....	7
Pre-Condition Unit: Option 2 .....	8/9

## Maintenance

Pre-Filter Cartridge Replacement Instructions .....	10
Replacement System Instructions .....	11

## Manufacturers Guarantee, Warranty and Return Policy

6 Month Satisfaction Guarantee .....	12
Pro-Rata Warranty .....	12
Warranty Policy and Limitations .....	13
Return Policy .....	13

## Re-Ordering, Replacement Parts & Accessories

Company Information .....	14
---------------------------	----

FAQ/Troubleshooting .....	16
---------------------------	----

# System Capabilities

## PureMaster™

The PureMaster™ series systems are designed to perform from 300,000 gallons (PureMaster™ V-300™), 500,000 gallons (PureMaster™ V-500™), and 700,000 (PureMaster™ V-700™) gallons. Effectively filters chlorine, chloramines, sediment & particulate, cysts, copepods, VOCs, SOCs, THMs, PAHs, atrazine, benzene, xylene, pesticides, insecticides, herbicides, tastes, odors and hundreds of other potential contaminants and harmful chemicals. This system is designed for residential and light commercial use on municipally treated and well water systems. Its use must conform to the specified effective operating conditions and performance limitations stated here and in the manufacturer's installation and operation instructions as well as the warranty statement supplied with this product.

### Effective Operating Conditions:

Pressure Range: 10-125 psi (0.7-8.8 bar)

Service Flow Rate: up to 10gpm

Iron (Ferrous) Max.: 0.2ppm (dissolved only)\*

Total Dissolved Solids (tds): < 500ppm\*

Feed Water Turbidity Range: up to 1 NTU\*

Hydrogen Sulfide (H<sub>2</sub>S) Max.: < 0.5ppm\*

Iron Bacteria: None\*

Temperature Range: 35-125°F (4-52°C)

pH Range: 5-12 pH\*

Hardness/Scale: Does not soften water\*

Feed Water Silt Index: 5\*

Oil Tolerance: < 1ppm\*

Tannins: < 0.5ppm\*

\*May require a separate or adjunct specialty system to address particular water condition(s) and, if necessary, to protect this system. For assistance addressing your specific water condition(s), please contact a Vitasalus Water Filtration/Treatment Specialist at 877-284-5042

### Performance/Specifications Data:

	PureMaster™ V-300™	PureMaster™ V-500™	PureMaster™ V-700™
System Plumbing Sizes:	Includes fittings for ¾" (standard) & 1" plumbing	Includes fittings for ¾" (standard) & 1" plumbing	Includes fittings for ¾" (standard) & 1" plumbing
Complete System Weight:	56 lbs.	73 lbs.	88 lbs.
Required Installation Space:	approx. 50" high x 30" wide x 10" deep	approx. 50" high x 30" wide x 10" deep	approx. 60" high x 30" wide x 12" deep
System Dimensions:	approx. 50" tall x 12" wide (including black base)	approx. 50" tall x 12" wide (including black base)	approx. 60" tall x 12" wide (including black base)
Tank Size:	8x44 (10" at black base)	10x44 (10" at black base)	10x54 (12" at black base)
Capacity:	300,000 gallons or 3 or 5 years**	500,000 gallons or 5-7 years**	700,000 gallons or 7-10 years**

\*\* The lower end value of the media lifespan range, as specified in the system's specifications chart, is based upon the average annual water usage of a household of 3-4 people. Replace the media or the blue tank with media when the system gallonage capacity is reached or there is a noticeable return of off-tastes and/or odors.

## FluorideMaster™

Our highly-specialized Fluoride Master system utilizes about 60 pounds of high-grade NSF® certified FluoriSorb™ media and is designed to effectively filter fluoride, sediment and/or particulate matter from all of the water entering your home for about 400,000 gallons or 4-6 years. If on municipally treated water, the FluorideMaster™ should be used with the PureMaster™ Premium Whole House Water Filtration System for optimal performance. Please refer to the PureMaster™ Premium Whole House Water Filtration System and PureMaster™ and FluorideMaster™ Combo package for additional information.

**IMPORTANT:** This system is designed for residential use on municipally treated water systems only and its use must conform to the specified effective operating conditions and performance limitations stated here and in the manufacturer's installation and operation instructions as well as the warranty statement supplied with this product.

### Effective Operating Conditions:

Pressure Range: 10-125 psi (0.7-8.8 bar)

Service Flow Rate: up to 10gpm

Iron (Ferrous) Max.: 0.2ppm (dissolved only)\*

Total Dissolved Solids (tds): < 500ppm\*

Feed Water Turbidity Range: up to 1 NTU\*

Hydrogen Sulfide (H<sub>2</sub>S) Max.: < 0.5ppm\*

Iron Bacteria: None\*

Temperature Range: 35-125°F (4-52°C)

pH Range: 5-12 pH\*

Hardness/Scale: Does not soften water\*

Feed Water Silt Index: 5\*

Oil Tolerance: < 1ppm\*

Tannins: < 0.5ppm\*

\*May require a separate or adjunct specialty system to address particular water condition(s) and, if necessary, to protect this system. For assistance addressing your specific water condition(s), please contact a Vitasalus Water Filtration/Treatment Specialist at 877-284-5042

### Performance/Specifications Data:

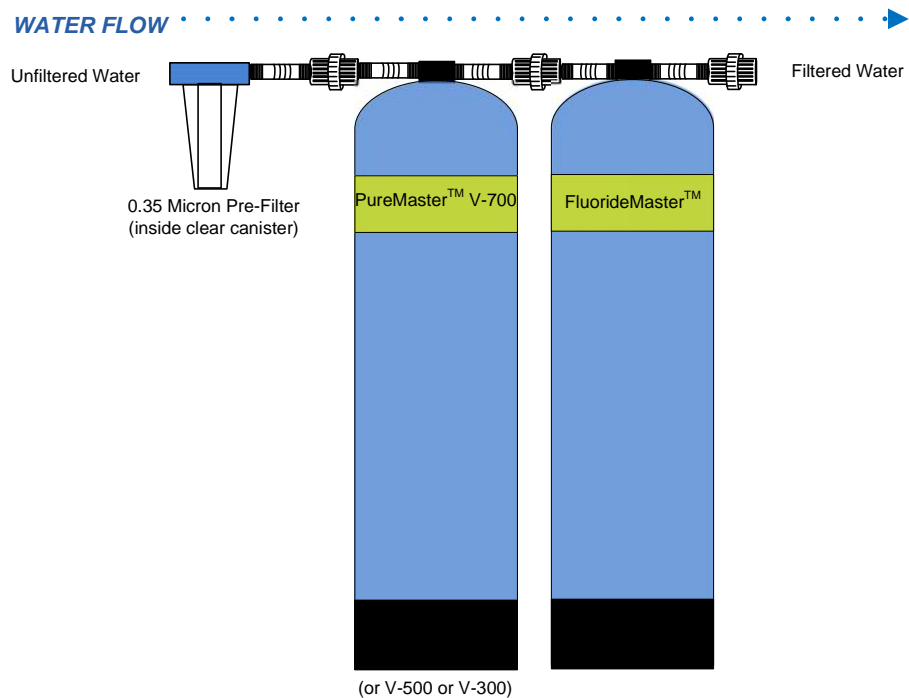
	FluorideMaster™
System Plumbing Sizes:	Includes fittings for ¾" (standard) & 1" plumbing
Complete System Weight:	97 lbs.
Required Installation Space:	approx. 60" high x 36" wide x 12" deep
System Dimensions:	approx. 60" tall x 11" wide (including black base)
Tank Size:	10x54 (11" at black base)
Capacity:	400,000 gallons or 4-6 years, whichever occurs first

\*\* The lower end value of the media lifespan range, as specified in the system's specifications chart, is based upon the average annual water usage of a household of 3-4 people. Replace the media or the blue tank with media when the system gallonage capacity is reached.

## Included Installation Components

### Combo: PureMaster™ & FluorideMaster™

- (1) PureMaster™ tank unit
- (1) FluorideMaster™ tank unit
- (5) 1"x4" PVC nipples
- (3) 1" PVC unions
- (1) Pre-filter housing w/ clear canister
- (1) 0.35-micron sediment pre-filter
- (2) 1"-to-3/4" reducer fittings
- (1) Garden hose adapter



# Equipment Installation

## General Warning and Safety Precautions

Read all precautions, installation and operating instructions carefully and completely before installing the unit. An experienced plumber or handy person with reasonable plumbing skills should install the system(s) to properly validate the 1-year warranty.

**CAUTION:** Do not use METAL nipples where plastic was specified in illustration, diagrams and/or instructions, use included PVC nipples only. **CAUTION:** Be careful not to over-tighten any connections to avoid damage or cracks to the connections which could result in water leaks

**IMPORTANT NOTE:** The PureMaster and FluorideMaster systems **MUST** be individually flushed/purged to prevent unnecessary carbon media fines or carbon dust from discharging into the FluorideMaster system or the home plumbing and water appliances.

**NOTE:** There are directional arrows on the pre-filter housing and stamped INLET/OUTLET ports on the PureMaster™ and FluorideMaster™ systems to indicate the direction of flow.

**NOTE:** The tanks sit on a black base which can be adjusted to accommodate minor height variations with the plumbing. Carefully tilt the tank on a 45 degrees angle and gently tap with a hammer and flat head screw driver to adjust the base accordingly.

1. Do not install this filter where the line pressure may exceed 125 psi (8.6 bar). Operating pressure range is 10-125 psi (0.7-8.6 bar).
2. Install on cold water lines ONLY. Operating temperature range is 35°-125°F (2-52 °C).
3. The system should be installed in a dry location protected from freezing and direct sunlight.
4. Install after pressure equalizer or pressure reducer if on city water
5. Install after pressure tank if on private well
6. Do not install unit on its side.
7. Do not use pipe dope for thread sealing, use only Teflon tape or Teflon paste.
8. If an irrigation/sprinkler system is present upstream of the system(s) then a one way check valve **MUST** be installed before the pre-filter in order to protect the PureMaster™ and FluorideMaster™ systems and validate its warranty.
9. Installation of the filter must comply with existing state or local plumbing codes.
10. Use only warm soapy water to clean the outside of the housing. Rinse well with fresh clean water. Never use chemical cleaning products on the filter's exterior surface because they may damage the filter housing.
11. This product is not intended for use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the unit.
12. Remove the threaded red shipping plugs/caps from the inlet and outlet ports before proceeding

## Pre-Condition Unit: Option 1 (Initial System Flush)

**IMPORTANT NOTE:** The PureMaster and FluorideMaster systems **MUST** be individually flushed/purged to prevent unnecessary carbon media fines or carbon dust from discharging into the FluorideMaster system or the home plumbing and water appliances.

Precondition the units by flushing tanks:

1. Connect the 1" to ¾" reducer to the inlet side of the PureMaster™ tank and attach the garden hose adapter to 1" to ¾" reducer.
2. Attach your garden hose to the garden hose adapter. (See figure 1)
3. Slowly turn the water on and flush water through the system for 15 to 20 minutes while gradually increasing pressure as minutes progress to remove the media fines and entrapped air from the unit
4. After the 15 to 20 minute flush, open and close your main shut off valve to purge flush the system for a couple of additional minutes to remove final air and/or media fines

Note: During the flushing process the water will appear black or grey, which is normal; continue flushing for the full 15 to 20 minutes even if the water turns clear after the first couple minutes to help purge air from the system.

5. Remove garden hose and garden hose adapter from the PureMaster™ tank
6. Repeat steps 1-4 for FluorideMaster™ tank flushing

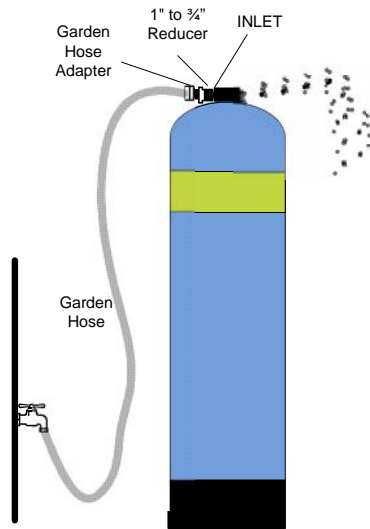


Figure 1

7. Once both systems are flushed, proceed to plumb systems into main water supply.
8. Once systems are installed, slowly turn on a nearby faucet and flush the systems for an additional 5 to 10 minutes to purge any existing air in the tank(s).

Note: The water may appear cloudy in a glass of water; these are only air bubbles and will dissipate with use

9. Fill in the date of actual installation in the white box labeled 'Installation Date:' provided on the gold PureMaster™ and FluorideMaster™ tank label.
10. Your PureMaster™ and FluorideMaster™ combo system is now ready for use. Enjoy!

## Pre-Condition Unit: Option 2 (Initial System Flush)

Option 1 is the preferred flushing method; however, if that option is not available, below is an example of how to perform initial system flush partially connected to plumbing.

Note: Two shut off valves, a "T" and an extra union will be needed to complete option 2 (not provided)

1. Complete all connections to PureMaster™ and FluorideMaster™ (See Figure 2)

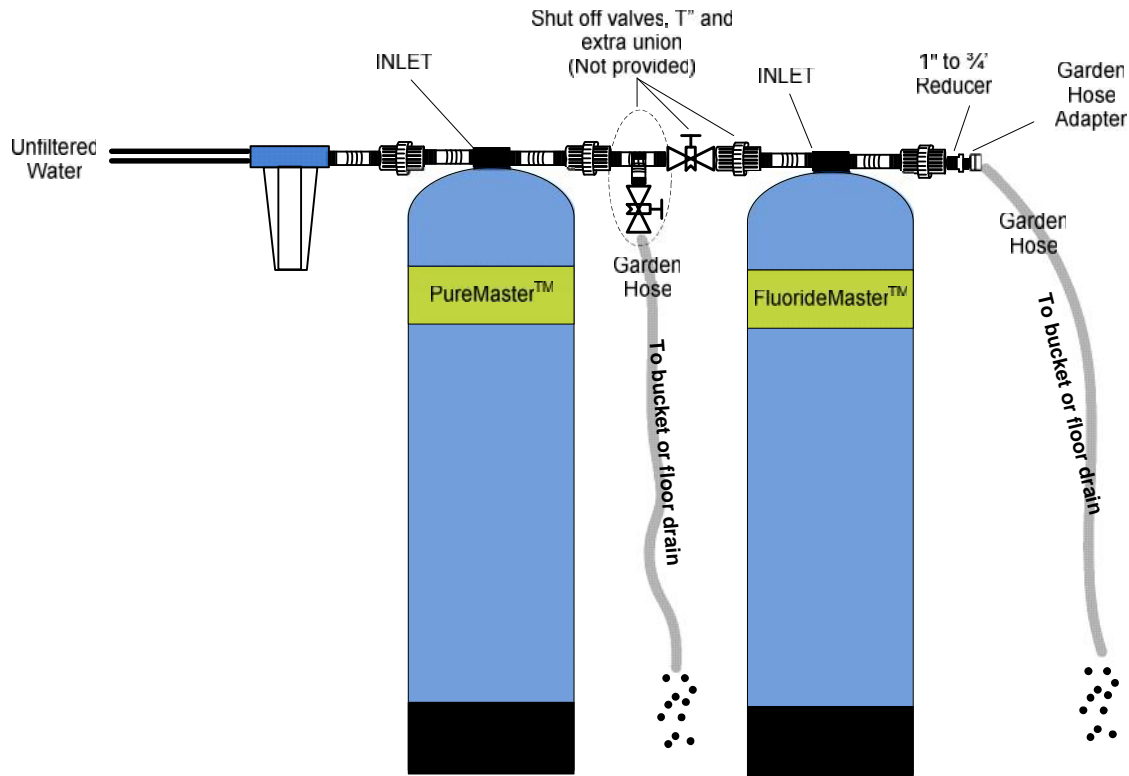


Figure 2

2. Connect a garden hose to the "T" and shut off the valve immediately before the FluorideMaster to re-direct water through the "T" garden hose connection.
3. Turn on water supply and slowly open the valve located beneath the "T" and flush water through the system for 15 to 20 minutes while gradually increasing pressure as minutes progress to remove the media fines and entrapped air from the unit
4. After the 15 to 20 minute flush through the PureMaster™, open and close the shut off valve to purge flush the system for a couple of additional minutes to remove final air and/or media fines

Note: During the flushing process the water will appear black or grey, which is normal; continue flushing for the full 15 to 20 minutes even if the water turns clear after the first couple minutes to help purge air from the system.

## Continued Pre-Condition Unit: Option 2 (Initial System Flush)

5. Once the PureMaster™ system thoroughly flushed, shut off the main water supply and shut off the valve located beneath the "T" to now redirect water to the FluorideMaster™ system
6. Turn on main water supply and slowly open the valve immediately before the FluorideMaster™ system
7. Flush water through the FluorideMaster™ system for 15 to 20 minutes while gradually increasing pressure as minutes progress to remove the media fines and entrapped air from the unit
8. After the 15 to 20 minute flush through the FluorideMaster™ open and close the shut off valve located immediately before the FluorideMaster™ to purge flush the system for a couple of additional minutes to remove final air and/or media fines.
9. Once both systems are flushed, complete the outlet connections after the FluorideMaster™ to the main plumbing.
10. Slowly turn on a nearby faucet and flush the systems for an additional 5 to 10 minutes to purge any existing air in the tank(s).

Note: The water may appear cloudy in a glass of water; these are only air bubbles and will dissipate with use

11. Fill in the date of actual installation in the white box labeled 'Installation Date:' provided on the gold PureMaster™ and FluorideMaster™ tank label.
12. Your PureMaster™ and FluorideMaster™ combo system is now ready for use. Enjoy!

Any technical, installation or general questions, please contact Vitasalus Technical Support at 877-284-5042

# Maintenance

## Pre-Filter Cartridge Replacement Instructions

Replace the 0.35-micron pre-filter if there is a noticeable reduction of flow through the PureMaster™ and FluorideMaster™ system or if the pre-filter cartridge becomes heavily discolored. You may order replacement 0.35-micron pre-filters through Vitasalus, Inc.

1. Shut off the water supply.
2. Relieve water pressure by opening a faucet nearest the unit.
3. Place a pail or other container under the housing to catch excess water.
4. De-press the pressure release button located on top of the housing repeatedly.
5. To remove clear housing sump; unscrew the blue locking collar to the left. Place your hand beneath the housing while unscrewing the blue locking collar to prevent housing from falling onto floor

Note: The clear housing sump remains stationary, do not turn or twist the clear housing sump

6. Remove the used cartridge, rinse the sump, and place a new cartridge into the sump.
7. Inspect and lubricate the black O-ring located on the inner ledge of the clear housing sump with petroleum jelly or silicone grease. Replace O-ring if worn, torn or cracked.
8. Re-position the black O-ring into the proper groove and reattach the sump (hand tighten only)
9. Slowly turn the water supply back on while checking for leaks. If there are any leaks, turn off the water supply and retighten the connections or inspect black O-Ring



## Replacement System Instructions

Once the lifespan has been reached on the PureMaster™ or FluorideMaster™ system, a replacement system should be ordered. Once received, do the following:

1. Simply disconnect the “quick disconnect” unions on each side of the existing PureMaster™ or FluorideMaster™ system and pull away from plumbing.
2. Follow “pre-condition instructions” before installing replacement system
3. Once replacement system is “flushed,” thread the 4” PVC nipples back into the inlet/outlet ports of the replacement PureMaster™ or FluorideMaster™ tank.
4. Slowly turn on a nearby faucet and flush the unit for an additional 10 to 15 minutes to purge any existing air in the tank.
5. Your PureMaster™ or FluorideMaster™ replacement system is now ready for use. Enjoy!



FluorideMaster™  
Replacement System

PureMaster™ V-300™  
Replacement System

PureMaster™ V-500™  
Replacement System

PureMaster™ V-700™  
Replacement System

## Manufacturers Guarantee, Warranty and Return Policy

### PureMaster™ - 6 Month Satisfaction Guarantee:

This water filtration system comes with a 6-month 100% satisfaction guarantee since we are so confident about its high-quality materials, workmanship, and performance. In fact, if you're not completely satisfied after having it properly installed by a licensed plumber and using your PureMaster™ Whole House Water Filtration System, call us within 6 months of delivery, and we'll give you a 100% refund plus pay for return shipping. (Note: for details please refer to our Return Policy below.)

### Pro-Rata Warranty:

The PureMaster™ water filtration system comes with a 7 year pro-rated warranty. If you have had your unit professionally installed your unit licensed plumber on a municipally treated, residential or commercial water supply and it becomes necessary to replace the unit before 7 years from purchase, you pay a pro rata amount rather than paying the full amount for a new unit from Vitasalus, Inc. This pro rata warranty is calculated from the date of purchase. (Exception: If any product is shown to be defective within its first six months of use, the pro rata charges will be waived. (See six month guarantee)

### FluorideMaster™ - 6 Month Satisfaction Guarantee:

All FluorideMaster™ purchases come with an industry-leading, 100% satisfaction guarantee of 6 months since we're so confident about its high-quality materials, workmanship, and performance. In fact, if you're not completely satisfied after properly installing and using your FluorideMaster™ system, call us within 6 months of delivery, and we'll give you a 100% refund plus pay for return shipping.

### Pro-Rata Warranty:

The FluorideMaster™ water filtration system comes with a 3 year pro-rated warranty. If you have had your unit professionally installed your unit licensed plumber on a municipally treated, residential or commercial water supply and it becomes necessary to replace the unit before 3 years from purchase, you pay a pro rata amount rather than paying the full amount for a new unit from Vitasalus, Inc.. This pro rata warranty is calculated from the date of purchase. (Exception: If any product is shown to be defective within its first six months of use, the pro rata charges will be waived. (See six month guarantee)

## Warranty Policy and Limitations:

All Water Filtration products are warranted to be free from defects in materials and workmanship for a period of one (1) year. There are no forms or warranty cards necessary from our customers as warranty registration is automatic and begins on the day our customers receive their product.

We cannot, and will not, be responsible for a recommended solution that falls short resulting from lack of information/disclosure by the customer. Our representatives base all product recommendations on information provided by our customers; if other conditions (i.e. water, installation space, power, water pressure, etc.) exist which were not previously disclosed, then additional/other products may be required to make the overall solution successful. However, as always, we are committed to positively working with the customer to help remedy any troubled solution by providing the customer with the most effective and affordable options available.

Under no circumstances will Vitasalus/Equinox Products financially cover, or be responsible for, any service, 100% satisfaction guarantee, or warranties, that have resulted from improper application, poor handling, neglectful damage, set-up, installation, start-up procedure, and/or lack of thorough follow through of installation procedures found on or with the unit, and in any service guides, product manuals, and/or related website pages.

WARRANTY SERVICE IS AVAILABLE BY CALLING VITASALUS FOR A WRA NUMBER BEFORE RETURN. NUMBER MUST BE ON THE OUTSIDE OF POSTAGE PREPAID BOX, WITH PROOF OF PURCHASE.

## Return Policy:

For the return of any product you must first call to get a Return Merchandise Authorization (RMA) number. This RMA number must be written on the outside of the shipping box, or the receiving department will refuse the shipment. The RMA number is only valid for 30 days.

For returns that do not qualify for our 100% satisfaction guarantee due to improper installation, improper use, neglectful damage, unused product, and/or problems that are not due to performance issues, a restocking fee/charge of 15% will be assessed within 30 days, 30% within 60 days, and no refund/credit after 60 days unless stated otherwise for water filtration units, otherwise, NO EXCEPTIONS. After a RMA has been issued by a Vitasalus, Inc. Customer Service Representative, product must be returned freight pre-paid, in original packaging.

## Re-Ordering, Replacement Parts & Accessories

### Company Information

Vitasalus, Inc.

1409-H Allen Drive,

Troy, Michigan 48083 USA

(Toll-Free) 1-877-284-5042

(Int'l) 248-585-8815

(Fax) 248-583-6950

(Email) [info@vitasalus.com](mailto:info@vitasalus.com)

[www.vitasalus.com](http://www.vitasalus.com)

## FAQ/Troubleshooting

How long does the PureMaster™ Whole House System last?

Depending on which model is purchased will determine the lifespan; PureMaster V-300 (300,000 gallons or 3 years), PureMaster V-500 (500,000 gallons or 5 years), PureMaster V-700 (700,000 gallons or 7 years). The saturation of the media by contaminants may occur faster in different areas depending upon the condition of the water and the actual amount of water run through the filter on a daily basis. Generally, it is recommended that the unit be replaced when there is a noticeable return of off-tastes or odors and/or noticeable drop in water pressure (assuming a reasonably clean .35-micron pre-filter is currently in use).

How long does the FluorideMaster™ Whole House System last?

The FluorideMaster™ will last 300,000 gallons or 3 years, whichever occurs first.

Where should the FluorideMaster™ and/or PureMaster™ system be installed?

The FluorideMaster™ and PureMaster™ system are Point-of-Entry (POE) systems, or whole-house/whole home systems and are usually installed, just after the water meter, in your basement, garage, or water heater closet. Note: The water meter is usually located in the basement of the house. In warm weather climates, the water meter may be in the garage or outside of the house. If the FluorideMaster™ and/or PureMaster system are installed outdoors in warm weather climates, it should be adequately shaded to prevent excessive sunlight/heat exposure.

How much maintenance is required for my FluorideMaster™ and/or PureMaster™ system?

Typically, the only maintenance required for the FluorideMaster™ and/or PureMaster™ system is 0.35-micron pre-filter replacement. The FluorideMaster™ and PureMaster™ system is designed to be virtually maintenance-free for the life of the system.

How often should I change the .35-micron pre-filter?

Approximately every 6 months, depending upon the actual amount of sediment or particulate matter present in your water supply. Because the .35-micron pre-filter (white in color when first installed) is in a clear screw-on pre-filter canister, it can easily be visually checked for dirtiness or build-up of sediment or particulate matter. Typically, when a .35-micron pre-filter is extremely dirty, there will be a noticeable drop in water pressure through the PureMaster system since the water is no longer able to properly flow through it.

Why don't I have any water pressure?

Typically, if the water pressure is severely restricted, most likely the pre-filter cartridge needs to be replaced. In some areas of the country, the 0.35 micron pre-filter filters too fine and causes immediate pressure restriction even though the cartridge looks brand new. If you are experiencing this, simply order 5 micron filters instead of the 0.35 micron. Or, install another pre-filter housing and use the 5 micron filter first and then 0.35 micron for optimal sediment filtration.

What do I do with the expired system(s)?

Once the unit requires replacement, you can simply dispose of the older system via trash

FluorideMaster™, PureMaster™, V-Series™, PureMaster™ V-300™, PureMaster™ V-500™, PureMaster™ V-700™ and Vitasalus™ are trademarks owned by Vitasalus, Inc.