

V-500

product specifications

Commercial grade drinking water cartridge for the home

The same commercial quality that makes Everpure® the overwhelming choice for water filtration in restaurants is also available for your home. ViruPure™, Everpure's unique microfiltration technology, provides the ultimate in drinking water quality and purification. This highly engineered design, certified by NSF International as a microbiological purifier, offers protection against bacteria, viruses and other harmful contaminants.

The Everpure ViruPure Multi-Stage Purifying Systems using the V-500 cartridge reduce the following contaminants:

- > Bacteria
- > Virus
- > Particulates
- > Cysts such as *Cryptosporidium*, *Entamoeba* and *Giardia*
- > Volatile Organic
- > Chemicals (VOCs)
- > Lead
- > MTBE
- > TTHM
- > Chlorine
- > Chloramine
- > Limescale*



It's water filtration you can trust

the pure solution

Our products polish water to premium quality so that water is sparkling and free of unwanted tastes and odors. You'll taste the difference in every sip and everything made with water will taste better, too.

the sensible solution

Our filters reduce lead amounts in your water—below the Federal Action Level of 15 ppb—as well as parasitic protozoan cysts and other microscopic particles that may be in your water supply.

the convenient solution

Everpure systems are easily installed using common household tools. Our systems mount under your sink and are plumbed to a separate filter faucet. And cartridge replacement is easy, too—just like changing a light bulb.

the practical solution

At only pennies per gallon, this system is less expensive per glass than bottled water or other drinking water systems and provides about a year's supply of water, depending on the size of your family and the amount of water you drink

Unique ViruPure hollow membrane technology reduces bacteria, virus, particulates and cysts such as *Cryptosporidium*, *Entamoeba* and *Giardia* as small as 19 nm (0.019 microns).*

Everpure's signature metal canister delivers commercial grade durability and quality while protecting the filter system from splitting or bursting. It's lined with a food-grade polymer that prevents the water from coming in contact with the metal.



Built-in water shut off.

Our systems leave vital minerals found naturally in water, so you get the best tasting water possible

A special additive prevents limescale build-up in water-using appliances.*

*As tested by Everpure

Pentair Residential Filtration, LLC
5730 North Glen Park Road
Milwaukee, WI 53209

EVERPURE
WATER YOU CAN TRUST®

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VG-100-QC System – Part No. EV9798-27 V-500 Cartridge – Part No. EV9798-26

Features:

- > Reduces viruses up to 99.9999%
- > Reduces bacteria up to 99.99%
- > Reduces chlorine taste and odor and chloramines.
- > Reduces dirt, rust and other particulates.
- > Reduces parasitic protozoan cysts such as Giardia, Entamoeba, Cryptosporidium.
- > Controls even extreme levels of common "off" tastes and odors, including those which are earthy, moldy and fishy.
- > Reduces lead to below the Federal Action Level of 15 ppb.
- > Effectively reduces Volatile Organic Chemicals (VOCs), including Trihalomethanes (THMs).

General Installation/Operation/ Maintenance Requirements:

- > It is recommended that before purchasing a water treatment unit, you have your water tested to determine your actual treatment needs.
- > Space required: 5 x 5 x 22 in. (13 x 13 x 56 cm) including 2-1/2 inches of clear space under unit for cartridge change.
- > Install vertically with cartridge hanging down.
- > Replace cartridges when capacity is reached or when flow becomes too slow, but at least annually.
- > A separate drinking water faucet is required.

Health Claim Performance Certified by NSF/ANSI*

This system has been tested according to NSF/ANSI 42/53 and protocol P231 for the reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42/53 and protocol P231.

Substance	Influent Challenge Concentration	Max. Permissible Product Water Concentration	Reduction Requirements	Minimum Reduction	Average Reduction
Standard 42- Aesthetic Effects					
Chlorine	2.0 mg ± 10%	—	≥ 50%	—	98.4%
Chloramine	3.0 mg ± 10%	0.5 mg/L	—	—	98.4%
Particulate, Class I					
Particles 0.5-1 µm	at least 10,000 particles/mL	—	≥ 85%	—	99.9%
Standard 53- Health Effects					
Turbidity [†]	11 ± 1 NTU	0.5 NTU	—	99.1%	99.1%
Cyst	Minimum 50,000/L	—	99.95%	99.99%	99.99%
Lead 8.5	0.15 mg/L ± 10%	0.010 mg/L	—	99.31%	99.3%
Lead 6.5	0.15 mg/L ± 10%	0.010 mg/L	—	99.35%	99.4%
Methyl tertbutyl ether	0.015 mg/L ± 20%	0.015 mg/L	—	94%	99.6%
Chloroform	0.307 mg/L	0.015 mg/L	—	99.84%	98.8%
TTHM (as Chloroform) (VOC surrogate chemical)	0.45 mg/L ± 20%	0.080 mg/L	—	TBD	92.3%

Protocol P231— Microbiological Water Purifiers

Bacteria Raoultella terrigena (ATCC-33257)	2.8 x 10 ⁷ /100 mL	—	> 99.9999%	6 log	7.43 log
Virus MS-2 (ATCC-15597-B1)	4.3 x 10 ⁴ /mL	—	> 99.99%	4 log	4.64 log

*Tested using flow rate=0.5gpm; pressure=60 psig; pH=7.5±0.5; temp.=20°C ±2.5°C †NTU=Nephelometric Turbidity Units

System Tested and Certified by NSF International against NSF/ANSI Standard 42 and 53 for the reduction of:

Std. No. 42—Aesthetic effects

Chemical Reduction

Taste & Odor

Chloramine

Mechanical Filtration

Nominal Particulate Reduction: Class I

Std. No. 53—Health effects

Chemical Reduction

Lead VOC

MTBE TTHM

Mechanical Filtration

Cyst Turbidity



System is Certified by NSF International against NSF P231 - Microbiological Water Purifiers based on the recommendations set fourth in the USEPA Guide Standard and Protocol for Microbiological Water Purifiers (OPP Task Force Report, 1987).

This drinking water system must be maintained according to the manufacturer's instructions, including replacement of filter cartridges. The substances reduced or removed by this system are not necessarily in your water. Read the performance data sheet.

flow rate

Controlled at 0.5 gal./min. (1.9 L/min.)

temperature

35-100 °F (2-38°C) cold water use only

pressure

10-125 psi. (0.7-8.6 bar), non-shock

capacity

500 gal. (1,136 L)

everpure warranty

Everpure Drinking Water Systems are warranted to be free of defects for a full twelve (12) months after purchase. A detailed warranty statement is provided with each system.

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