



EVERPURE® H-54

H-54 DRINKING WATER SYSTEM

The same commercial quality that makes Pentair® Everpure the overwhelming choice for water filtration in restaurants is also available for your home. Pentair Everpure exclusive precoat filtration technology combines Micro-Pure® and a unique pleated filter membrane. This highly engineered design offers the largest filtering surface area, longer filter life, and consistent performance.

750
gallons
CAPACITY
2,835 Litres

FEATURES

What's Inside

- Exclusive Micro-Pure filtering material coats the pleated surface inside the cartridge
- Built-in water shut-off allows for easier cartridge changes

Commercial Grade Filtration

- The Pentair Everpure signature metal canister delivers commercial-grade durability to protect the system from splitting or bursting
- Its food-grade polymer lining prevents water from contacting the metal



Great Tasting Water

- Retains vital minerals found naturally in water to ensure the health and delicious taste of your water
- Adsorbs common earthy, moldy, fish tastes and odors

Added Benefits

- Helps prevent lime and scale build-up in water appliances

SPECIFICATIONS

- **Flow rate**
controlled at 0.5 gpm (1.9 Lpm)
- **Temperature**
35-100° F (2-38° C)
cold water use only
- **Pressure**
10-125 psi (0.7-8.6 bar)
non-shock
- **Capacity**
750 gal. (2,835 L)
- **Required Space**
5W x 15H x 5D in
13W x 38H x 13D cm

SUBSTANCE REDUCTION

- Lead
- NSF/ANSI Standard 53 certified to reduce cysts such as Cryptosporidium and Giardia by mechanical means
- Chlorine taste & odor
- Dirt and cloudiness*
- Mold and algae*
- Reduces particles as small as 0.5 micron in size by mechanical means

*As tested by Everpure, LLC.

EPA EST. NO. 002623-IL-002

ORDERING INFORMATION

MODEL	PART NO	DESCRIPTION
H-54	EV925267	Drinking water system
H-54	EV925268	Cartridge



GENERAL INSTALLATION / OPERATION / MAINTENANCE REQUIREMENTS

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.

It is recommended that before purchasing a water treatment unit, you have your water tested to determine your actual treatment needs.

Space required: 5W x 15H x 5D in (13W x 38H x 13D cm) including 2-1/2 inches of clear space under unit for cartridge change

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

A separate drinking water faucet is required.

Install vertically with cartridge hanging down.

Use minimum length of tubing possible.

Flush new cartridge at full flow for three minutes to purge air.

Replace cartridge when capacity is reached, or when flow becomes too slow, but at least annually.

Health Claim Performance Certified by NSF*

This system has been tested according to NSF/ANSI 42 and 53 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 and 53.

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%	–	96.8%
Particulate, Class I					
Particles 0.5 - <1 µm	at least 10,000 particles/mL	–	≥ 85%		99.2%
Standard 53 – Health Effects					
Cyst	Minimum 50,000/L	–	99.95%	99.99%	99.99%
Lead 8.5	0.15 mg/L ± 10%	0.010 mg/L	–	98.3%	99.1%
Lead 6.5	0.15 mg/L ± 10%	0.010 mg/L	–	97.2%	98.5%

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

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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.



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

Standard No. 42 Aesthetic Effect:

- Chemical Reduction
 - Taste and Odor
 - Chlorine Taste & Odor
- Mechanical Filtration
 - Particulate Reduction: Class I

Standard No. 53 Health Effects:

- Chemical Reduction
 - Lead
- Mechanical Filtration
 - Cyst



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Everpure's Patented Precoat Technology

There are many different water treatment technologies that address different water quality needs. When it comes to filtration, Everpure's precoat process is unsurpassed. Everpure's precoat filters set the standard for protection against contaminants, and millions of these innovative filters are in use by quality foodservice operations around the world. This patented technology offers:

- Reduction of off-tastes and odours
- Removal of 99.99% of all particles as small as 1/2 micron in size.
- The largest filtering surface area for effective removal of contaminants and long filter life
- Protection against undetectable failures such as channeling and dumping.
- Chlorine reduction
- Cyst reduction



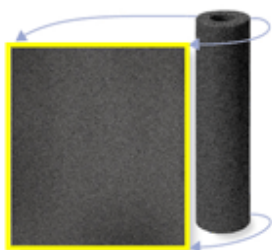
How the precoat process is different

Many filters on the market feature a cylindrical carbon block wrapped in a membrane. This approach limits the surface area, thus reducing the life of the filter. Typically the filter membrane clogs long before the carbon effectiveness has expired.

Everpure precoat filters use a pleated membrane and a finely powdered filter media. When the cartridge is initially flushed with water during startup, the carbon powder hydraulically coats the fabric membrane evenly. This provides a surface area that is nearly 4x the surface area of a traditional filter.

Precoat cartridges are shipped with the Micro-Pure® II media mix dry and powdery in the bottom. When a cartridge is first activated, the incoming water makes a slurry of the media, which begins to deposit on the fabric septum as soon as the pressure vessel fills with water and the water pressure begins to force water through. Soon, the particles of media form interlocking structures analogous to the construction of arches and domes, creating a stable filtration layer called the "precoat cake". These precoat filters have a media depth of only a few millimeters—less than a quarter-inch—spread out over a large, pleated septum with several square feet of filtration surface area.

Their mechanical filtration efficiency is NSF-Certified as greater than 99.9% at 0.5 micron.



A typical 10" (25.4 cm) carbon block filter has a surface area of 506 cm².



The surface area of a pleated membrane in a 10" Everpure precoat filter is 2864 cm². That's 5.6 times more surface area.



A heavy-duty, aluminum cartridge housing protects the Everpure filter system from splitting or bursting. It's lined with a food-grade polymer that prevents the water from coming in contact with the aluminum.