

HSD-440P

product specifications

Whole house ultrafiltration system

The Everpure Ultrafiltration System provides complete point-of-entry (POE) filtration proven to reduce turbidity, particulates and cysts for safer, cleaner water at every tap throughout the house. The system employs hollow-fiber ultrafiltration membrane technology to filter impurities as small as 0.025 microns.



It's water filtration you can trust

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To maximize membrane capacity and service life, a metered flushing cycle is controlled using an advanced controller and high performance turbine meter.

The self-cleaning forward and backflush cycles are initiated when the programmed capacity of the membrane is reached. During the backwash, flow is reversed and particles are ejected from the pores of the membrane and flushed to drain. In the forward-flush cycle, service water passes through the capillaries at a high speed, scouring particles from the membrane surface and rinsing them from the system. Since power is only required to flush the system, outages and interruptions will not jeopardize the integrity of membrane or its ability to provide safer, cleaner water.

The advanced electronic controller provides a programmable day override which allows the unit to flush every day with fresh water when the system is not in use. Critical system diagnostics, including totalized flow, instantaneous flow rate, and previous days water usage, are available to optimize flushing cycles and monitor performance.

The Everpure HSD-440P whole house ultrafiltration system features:

- > Greater than 98% reduction of 0.025 micron (25 nanometer) particles
- > Peak flow rates up to 10 gpm (2271 L/h)
- > Proprietary hollow-fiber ultrafiltration membrane
- > Forward-flush and back-flush cleaning cycles provide extended filter life in a wide range of applications
- > Designed for cyst reduction, turbidity, and fine sediment filtration applications
- > Greater than 99.99% (> 4 Log) reduction of 0.065 micron (65 nanometer) particles
- > Metered self-cleaning cycle flushes only when needed
- > Professional-grade housing, controller and flush valve
- > Day override feature flushes module daily with fresh water when system is not in use
- > High performance stainless steel housing pressure rated to 300 psi

Recommended Accessories:

- > Surge Tank 12 gallon (EV9336-51)
- > 10 micron prefilter (EV9795-90)

Victory Management Solutions
200 Ave. Rafael Cordero Suite 140 PMB 155
Caguas, PR 00725
Ph: (787) 400-3672



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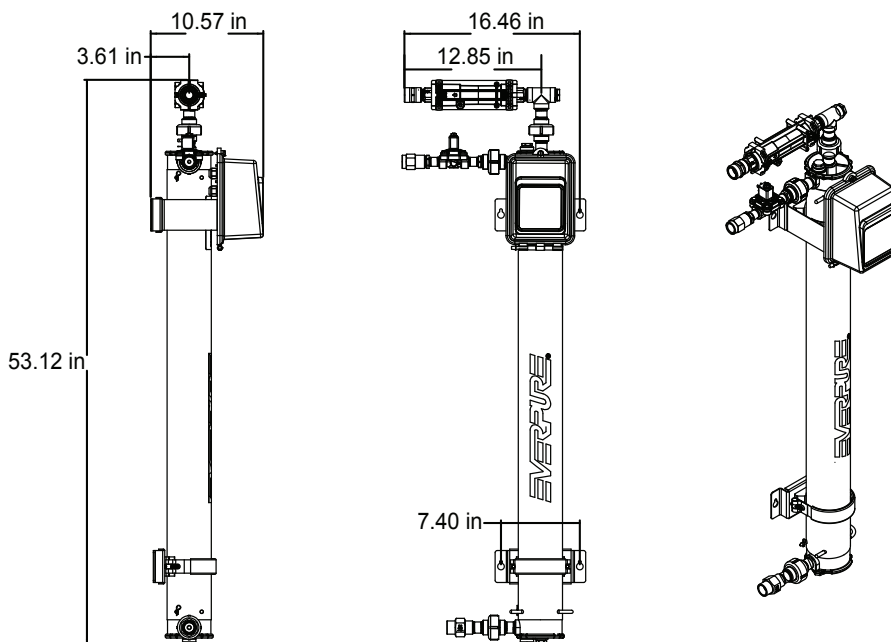
HSD-440P System – Part No. EV9344-00

Advantages of the Everpure HSD-440P ultrafiltration system:

- > Removes turbidity, cysts, and other particles down to 0.025 micron in size
- > Multi-bore membrane structure combines seven single capillaries into one resistant structure to maximize membrane integrity virtually eliminating the potential for fiber breakage
- > Requires only normal line pressure to operate
- > Protects during power outages or intermittent power
- > Retains natural mineral content of the water
- > High surface area and tolerance to plugging
- > Low pressure drop / High flow rates

Advantages of the Electronic Metered Controller:

- > Metered self-cleaning cycle flushes only when needed, using less than 7 gallons / flush cycle
- > Day override feature flushes module daily with fresh water when system is not in use
- > Suitable for indoor or outdoor applications
- > All parameters are adjusted via timer programming and can be modified at any time
- > Bright 7 digit VFD display with user panel utilizing LED status/programming indicators
- > A regeneration lockout input is available
- > Diagnostic display for Totalized Flow, Instantaneous Flow Rate, Days Since Last Flush, Prior Service Volume, Previous Days Water Usage
- > Programmable auxiliary relay
- > 9V battery backup maintains time of day



The contaminants or other substances removed or reduced by this drinking water system are not necessarily in your water. 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 with disinfected water that many contain filterable cysts.

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overall dimensions

47" H x 11.5 W x 6" D

inlet/outlet

3/4" npt

service flow rate @ 15 psi drop

6.23 gpm to 10 gpm

electrical

50/60 Hz

forward flush cycle

1-99 minutes

metered volume

1-9999 gallons

meter accuracy

1-50 gpm (+/- 5%)

everpure warranty

The HSD-440 ultra filter is warranted to be free from mechanical and electrical defects for a period of one year from date of purchase. The ultra filtration membrane cartridge is warranted under the same terms and conditions on a pro-rated basis for 24 months. See printed warranty for complete details.

Everpure, LLC
1040 Muirfield Drive
Hanover Park, IL 60133 USA
Phone: (630) 307-3000
Fax: (630) 307-3030
Customer Service: (800) 323-7873
Technical Service: (800) 942-1153
www.everpure.com

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