



# freshpoint

## **FreshPoint** Ultrafiltration System

One point of filtration, endless points of use.



## Fresh water from the source

Imagine clean, fresh water from every faucet. Whether you use the water for drinking, cooking, bathing, or laundry, it flows from your tap cleaner, clearer, and healthier.

It's possible with the FreshPoint filtration system.

FreshPoint uses the latest ultrafiltration technology to treat all the water that enters your house, starting at the primary point of entry. Turbid water becomes clear. Ultrafiltration systems remove a variety of contaminants from your drinking water, including sediment, particulates, and cysts.

The result is fresh, clear water at the turn of any faucet, anywhere in your house.

Serving customers in more than 100 countries, PENTEK is recognized globally as the leading source for water quality solutions.

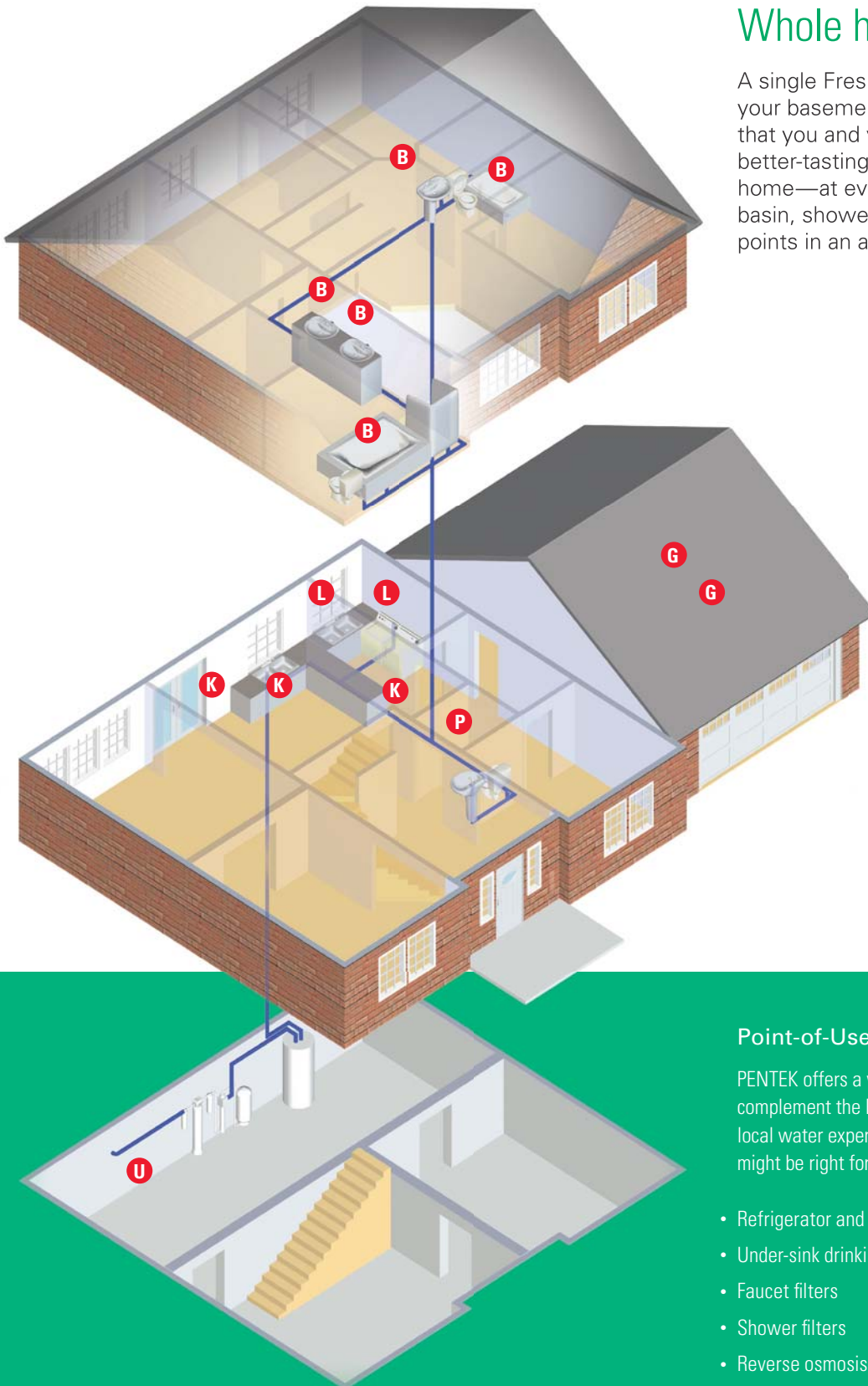


### Why buy bottled?

Bottled water is expensive over time, and it's cumbersome to transport and store. Most people use bottled water only for drinking, with unfiltered water still in use for cooking, making coffee or tea, or washing fresh fruits and vegetables.

## Whole house, one system

A single FreshPoint filtration system installed in your basement, garage, or utility room ensures that you and your family will have healthy, clean, better-tasting water throughout your entire home—at every faucet, sink, icemaker, wash basin, shower, or bathtub. That's as many as 14 points in an average new home.



- K Kitchen** (3 points of use)  
At the sink for drinking, food preparation, and cooking. To the icemaker and dishwasher.
- L Laundry** (2 points of use)  
To the washing machine for brighter laundry. At the sink for washing and drinking.
- P Powder Room** (1 point of use)  
At wash basins for drinking and hand washing.
- B Bathrooms** (5 points of use)  
At wash basins for drinking, brushing teeth, and hand washing. In the shower and bathtub for bathing and drinking.
- G Garage** (2 points of use)  
At washtubs and hose bibs for washing and gardening.
- U Utility Room** (1 point of use)  
At a sink washtub for washing and drinking.

### Point-of-Use Filtering

PENTEK offers a wide range of NSF-approved products to complement the FreshPoint ultrafiltration system. Ask your local water expert if any of these point-of-use systems might be right for you.

- Refrigerator and icemaker filters
- Under-sink drinking water systems
- Faucet filters
- Shower filters
- Reverse osmosis systems

# Your in-home waterworks

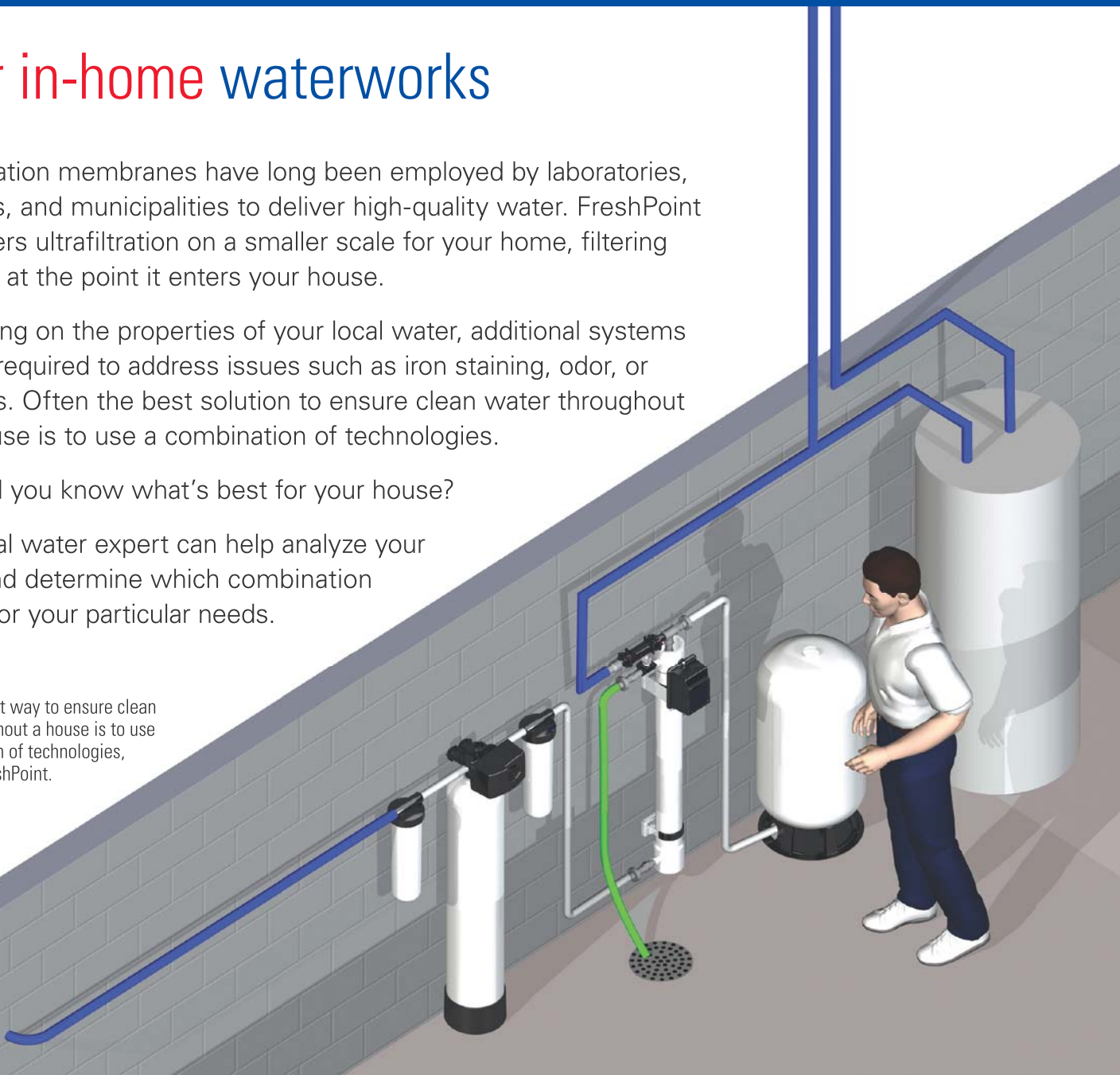
Ultrafiltration membranes have long been employed by laboratories, hospitals, and municipalities to deliver high-quality water. FreshPoint now offers ultrafiltration on a smaller scale for your home, filtering all water at the point it enters your house.

Depending on the properties of your local water, additional systems may be required to address issues such as iron staining, odor, or hardness. Often the best solution to ensure clean water throughout your house is to use a combination of technologies.

How will you know what's best for your house?

Your local water expert can help analyze your water and determine which combination is best for your particular needs.

Often the best way to ensure clean water throughout a house is to use a combination of technologies, including FreshPoint.



## PENTEK, your local water expert, and you.

No matter which combination works best for your water and your house, PENTEK can provide the necessary components. Our complementary products work together to create effective, reliable water treatment systems.

Water Treatment Comparison						
	Sediment	Cloudiness, Turbidity	Cysts	Hardness	Dissolved Iron, Hydrogen Sulfide	Unpleasant taste and odor
<b>Point of Entry</b>						
FreshPoint	•	•	•			
Softener				•		
Oxidizing filter					•	
<b>Point of Use</b>						
Carbon filtration	•	•				•

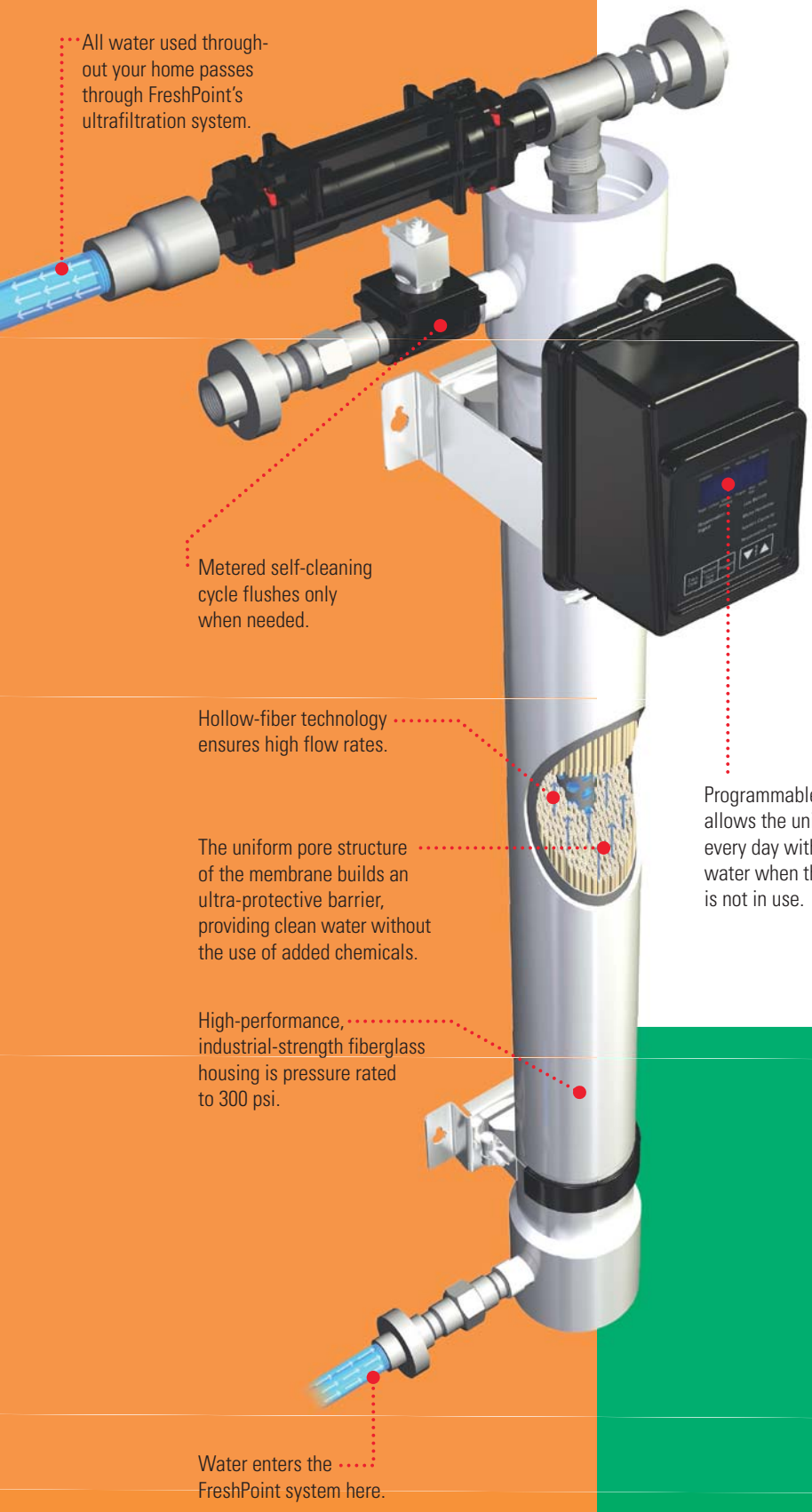
*The FreshPoint system is designed for use with any municipally treated drinking water source or potable well/bore water. It is not intended as a stand-alone purifier solution for the disinfection of microbiologically unsafe water.*

# How does FreshPoint work?

Water enters the system from the bottom port, flowing into the straw-like hollow fibers inside the vessel. As water passes through the walls of the fiber, particles as small as 0.025 microns, including sediment, turbidity, and cysts, are trapped in the pores of the membrane, removing them from your water supply.

After passing through the membrane, clean water flows up through the large perforated center channel. From there the clean water enters your existing plumbing system, reaching every point of use throughout your home.

The system will periodically run through a self-cleaning cycle to flush trapped particles from the porous fibers. This serves to maximize the system's filter capacity and extend the life of the membranes.



All water used throughout your home passes through FreshPoint's ultrafiltration system.

Metered self-cleaning cycle flushes only when needed.

Hollow-fiber technology ensures high flow rates.

The uniform pore structure of the membrane builds an ultra-protective barrier, providing clean water without the use of added chemicals.

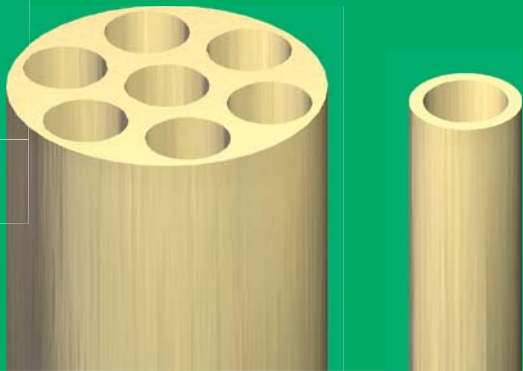
High-performance, industrial-strength fiberglass housing is pressure rated to 300 psi.

Water enters the FreshPoint system here.

Programmable override allows the unit to flush every day with fresh water when the system is not in use.

## A stronger membrane

Multi-bore membrane structure includes seven capillaries in a single fiber to maximize membrane strength and structural integrity, as compared to typical single capillary membranes.



## Trust PENTEK

The PENTEK name is a long-standing, trusted source for water filtration systems. We're building on this reputation with new, innovative technologies to provide clean water around the world.

Rest assured that all new systems come with years of experience behind them and the promise that our service and support teams will be available for years to come.

Water quality and potential contaminants can vary greatly by region. PENTEK has built strong relationships with water experts nationwide to develop new and innovative solutions to treat your local water. Your local water expert knows the water in your area, and you know your family's needs. Together you can create the system that's right for your home, providing the best quality water at every tap.

Now, ultrafiltration technology used by a range of industries, from pharmaceutical to food and beverage, is available for your home.



## FreshPoint: common questions

- Q.** I have a filter on my kitchen sink. Why do I need anything more?
- A.** Faucet filters (one type of Point of Use, or POU, filter) remove certain contaminants from your water. However, they do not remove everything. You may need additional filtration to address the issues specific to your water supply. Also, keep in mind that a POU filter works only at the faucet where it's installed. FreshPoint provides clean water at every faucet throughout your house.
- Q.** My water tastes and smells fine. Why should I have it tested?
- A.** Although appearance, taste, and odor are strong indicators that your water may not be clean, they are not the only indication of trouble. Not all contaminants cause your water to taste or smell bad. Many go undetected. Professional lab tests are the best way to learn whether your water is clean. Call your local water expert to find out which tests are most important in your area.
- Q.** What will happen to my water pressure?
- A.** One of the unique advantages of hollow-fiber membranes is their ability to filter very small particles while providing high flow rates throughout your home. As local water conditions change, so do local plumbing codes. Be sure to consult your local water expert to determine what size system is right for your home and your family.
- Q.** Will the FreshPoint system increase my water usage?
- A.** Unlike traditional backwash filters, the FreshPoint system uses fewer than 4 gallons of water during the flush cycle. This means less waste and more clean, filtered water.
- Q.** How often does the whole-house filter need to be changed?
- A.** The life of the filter element depends on many factors including the local water quality, other water systems in the plumbing, and how much water is used. When applied correctly, the FreshPoint system should provide three to five years of clean, filtered water before the element needs to be replaced.





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