

# PENTEK® FRESHPOINT™ ULTRAFILTRATION SYSTEM

COMPLETE POINT OF ENTRY FILTRATION



The **PENTEK® FreshPoint™ Ultrafiltration System** provides complete point-of-entry (POE) filtration proven to reduce turbidity, particulates and cysts for safer, cleaner water at every tap. The system employs hollow-fiber Ultrafiltration membrane technology to provide safer, cleaner water.

## FEATURES/BENEFITS

### Ultrafiltration System

Designed for cyst reduction, turbidity, and fine sediment filtration applications

> 98% reduction of 0.025-micron (25 nanometer) particles\*

> 99.99% (> 4 Log) reduction of 0.065-micron (65 nanometer) particles\*

Forward-flush and back-flush cleaning cycles provide extended filter life in a wide range of applications

Proprietary hollow-fiber ultrafiltration membrane

Professional-grade housing, controller and flush valve

Metered self-cleaning cycle flushes only when needed



### FreshPoint™ Filter Technology

Reduces 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

## CONTROLLER FEATURES/BENEFITS



### ET Electronic Metered Controller

Metered self-cleaning cycle flushes only when needed, using less than seven gallons per 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

A regeneration lockout input is available

Bright seven-digit VFD display with user panel utilizing LED status/programming indicators

Diagnostic display for Totalized Flow, Instantaneous Flow Rate, Days Since Last Flush, Prior Service Volume, Previous Day's Water Usage

Programmable auxiliary relay

9V battery backup maintains time of day

## SYSTEM SPECIFICATIONS

### Membrane

Material	Polyethersulfone, modified (PESM)
Pore Size	0.025-micron (nominal) 0.065-micron (absolute)
Molecular Weight Cut Off (MWCO)	100-150 kD
Active Membrane Surface	51 sq. ft.
Service Flow Rate @ 15 psi drop	6.23 gpm to 10 gpm (1,416 L/h to 2,271 L/h)

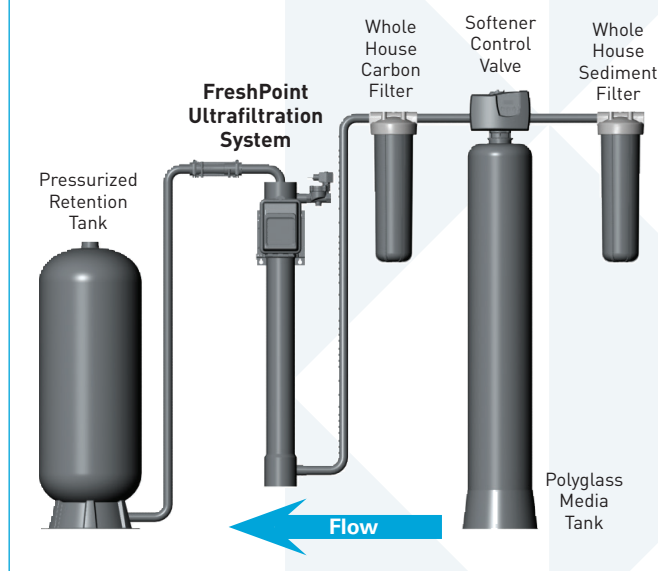
### Controller

Electrical Rating	50/60 Hz
Forward Flush Cycle	1-99 minutes
Metered Volume	1-9,999 gallons
Meter Accuracy	1-50 gpm +/- 5%

### System

Inlet/Outlet	3/4-inch NPT
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### PENTAIR BRAND COMPONENTS FOR COMPLETE POE TREATMENT



**NOTE:** This setup is used for most applications.



### FILTRATION & PROCESSING SOLUTIONS

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