

Purefast® Home: Point-of-Entry Water System for PFAS Removal

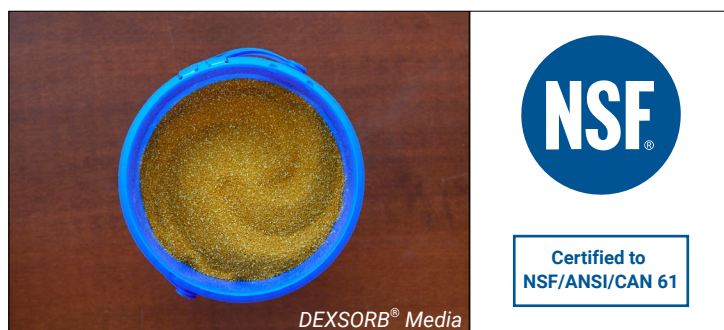


High-performance water filtration system with DEXSORB® media that removes PFAS from every tap in your home, with a capacity of 80,000 gallons or 12 months. Purefast® Home connects to your residential water system and will require a plumber for installation.

(Early Purchase Program)

DEXSORB® for PFAS Removal

Cyclopure's DEXSORB® granular adsorbent is a first-ever use of renewable cyclodextrins in water treatment. Sub-nanometer cyclodextrins are molecularly selective for removal of per- and polyfluorinated alkyl substances (PFAS) from drinking water. DEXSORB® is certified under NSF 61 as safe for drinking water treatment.



Product Specifications

- Treatment Capacity¹⁾ : 80,000 gallons or 1 year
- Operating Temperature: 40-120°F
- Pressure Drop Spec: < 5 psi @ 5 gpm
- Max Operating Pressure: 100 psi
- Size: 6" (Diameter) x 42" (Height)
- Rated Flow Rate: 5 gpm
- Peak Flow Rate: 10 gpm

Pricing

- \$850 per unit, including the filtration system (vessel + control head) pre-loaded DEXSORB® media.
- Taxes and shipping are not included in the unit price.



Product Performance Data Sheet

Internal testing demonstrates full removal of 7 PFAS (i.e., PFOA, PFOS, PFHpA, PFHxS, PFNA, PFBS, and PFDA) at an influent concentration of 50 ppt per PFAS.

Substance	Influent Challenge Concentration	Effluent Concentration	US EPA Proposed Drinking Water Limit
PFOA	50 ng/L	Non-Detect ²⁾	< 4 ng/L
PFOS	50 ng/L	Non-Detect	< 4 ng/L
PFHpA	50 ng/L	Non-Detect	NA
PFHxS	50 ng/L	Non-Detect	Hazard Index ³⁾ < 1.0
PFNA	50 ng/L	Non-Detect	Hazard Index < 1.0
PFBS	50 ng/L	Non-Detect	Hazard Index < 1.0
PFDA	50 ng/L	Non-Detect	NA

Historical Use Cases

DEXSORB® has been applied in other residential filtration products and large-scale engineered treatment systems across the U.S. It has demonstrated great effectiveness and capacity for PFAS removal in the treatment of drinking water, surface water and groundwater.

- Purefast® Filter: Using DEXSORB® media in the filter, Cyclopure's Purefast® filter for Brita pitchers has been certified under NSF 53 for the removal of PFOA/PFOS.
- DEXSORB® is being used to treat PFAS at municipal drinking water plants in pilot systems in Massachusetts, Maryland and Alabama. The Massachusetts treatment system has treated over 400,000 gallons of water during 7 months of operation with complete PFAS removal.
- Purefast® Home has been successfully piloted to remove PFAS at a residence in New Jersey.

¹⁾ Treatment capacity is based on the above Rated Flow Rates.

²⁾ Non-Detect means < 1 ng/L. (1 ng/L = 1 ppt)

³⁾ Defined by US EPA, Hazard Index = PFHxS in ppt /9 ppt + PFNA in ppt /10 ppt + GenX in ppt /10 ppt + PFBS in ppt /2000 ppt. And the Hazard Index should be < 1.0 to comply with the proposed drinking water PFAS limit by US EPA.

Early Purchase Program Benefits

- Early access to the Purefast® Home Point-of-Entry system.
- Four PFAS Water Test Kits (WTK) will be included in this program at no charge:
 - Retail Value of \$320.
 - The four WTK will be provided at month 2, 4, 6 and 8 for PFAS testing of filtered water.

Replacements

- After 1 year, you will receive an email reminder to replace the Point-of-Entry system and return the used filter vessel back to Cyclopure's Chicago facility.
- If you participate in the product return program, you will receive a \$50 credit for your next purchase.
- See Used Product Return Program below to learn more.

Used Product Return Program

- Sustainability is a priority at Cyclopure. Our Purefast® Home Water Treatment System will do the work to achieve ZERO PFAS at every tap in your home. If you return your used filter vessel to the company, we will ensure that ZERO PFAS waste is returned to the environment.
- We use Cyclopure's proprietary PFAS desorption and media regeneration method to separate PFAS from used DEXSORB® media at ambient conditions. The separated PFAS waste will then be fully destroyed. Regenerated DEXSORB® will be reconditioned and recycled for reuse!

- If you send back the used filter vessel, you will receive a \$50 credit for your next purchase.
- To return your filter, have a plumber disconnect the system and drain the water. Place the vessel in the provided shipping box, and drop it at Federal Express to return. Contact the company for a return shipping label and a return shipping box.

Warranties

Performance claims are based on internal test data. Actual performance is dependent on influent water quality, flow rates, system design and application. Results may vary. Cyclopure makes no warranties of any kind, expressed or implied, statutory or otherwise, and expressly disclaims all warranties of every kind, concerning its Purefast® Home filters, including, without limitation, warranties of merchantability and fitness for a particular purpose, except (i) that the filter should be capable of performing as described in the Performance Data Sheet, and (ii) the filter will be free of defects in materials and workmanship, when used in compliance with installation and operating guidelines, for a period of 12 months from the date of purchase. The company's obligation shall be limited solely to the refund of the purchase price or replacement of the product proven defective, in Cyclopure's sole discretion. Determination of suitability of this product for uses and applications contemplated by Buyer shall be the sole responsibility of Buyer. Use of this product constitutes Buyer's acceptance of this Limited Liability.

Installation Diagram

