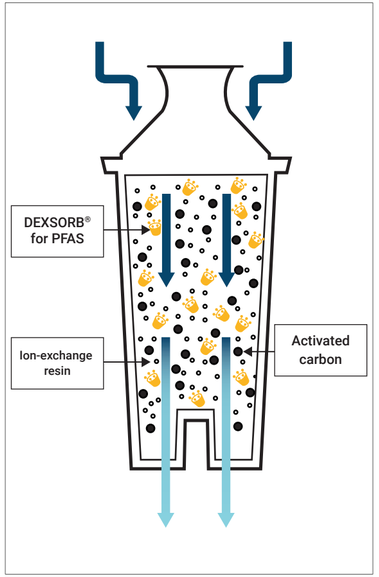
# Purefast® Countertop Filter

## Handout

### DEXSORB® Filtration System

DEXSORB is a novel adsorbent made with renewable cyclodextrins and designed for use in various treatment formats for the removal of PFAS (per- and polyfluoroalkyl substances) in diverse water systems. The Purefast Countertop Filter uses DEXSORB to provide PFAS removal in a replaceable cartridge that is compatible with Brita® Countertop Pitchers.




### Performance Data Sheet

Cyclopure internal testing demonstrates reduction of 11 PFAS (PFOA, PFOS, PFHxA, PFHxS, PFNA, PFDA, PFHpA, PFPeA, PFBS, PFBA, HFPO-DA (GenX)) to non-detect for 65 gallons based on influent concentration of 40 ppt per PFAS.

| Substance | Effluent concentration | Influent challenge concentration | NSF % Reduction Requirement |
|---|---|---|---|
| NSF Standard 42- Aesthetic Effects | | | |
| Chlorine (Taste & Odor) | Non-Detect | 2 (mg/L) | >50% |
| NSF Standard 53- Health Effects (PFAS Micropollutants) | | | |
| PFOA | Non-Detect | 500 (ng/L) | Combined concentration 70 ng/L |
| PFOS | Non-Detect | 1000 (ng/L) | |

The Purefast® filter is tested and certified by NSF International against NSF/ANSI Standard 42 for material requirements only.

### Demonstrated Performance

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

- Purefast Countertop 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 DEXSORB Packed-Bed Filtration System has received New Technology Approval in the state of Massachusetts to treat PFAS in drinking water.
- Purefast Home products have been available for sale and installed in U.S. households to remove PFAS from drinking water since September 2023.

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# Purefast® Countertop Filter

**PFAS-free water by DEXSORB®**

Our Purefast® is designed to get rid of PFAS in your water in the blink of an eye using DEXSORB® rapid kinetics.

# Purefast® Countertop Filter

## User Manual

### Before Use Purefast®

Please follow easy 5-minute conditioning process. This will ensure smooth filtration and fresh tasting PFAS-free water:

**Step 1.**

Run small streams of tap water through the top of the filter for 15 seconds. Turn the filter upside down and allow water to flow through each bottom screen for 15 seconds - a total of 60 seconds.

**Step 2.**

Fill your pitcher with water and hold the filter under water. Gently shake and tap the filter against the interior wall of the pitcher to fully wet the media for about 2 to 3 minutes, or until you no longer see air bubbles coming out of the filter.

**Step 3.**

Insert the filter into the pitcher reservoir by lining up the groove in the filter with the notch in the reservoir (if applicable). Gently press the filter down to secure the filter in the reservoir.

**Step 4.**

Before use, fill the reservoir with tap water and discard the filtered water. For best results, avoid pouring tap water directly on top of the filter. Repeat this step two to three times.

For the best hydraulic performance, it is recommended to recondition the filter every 30 days. Larger households and those using the Ultramax pitcher model may need to recondition the filter every 2 weeks.To recondition, remove the filter and shake gently before following conditioning steps 1-3 (above).

Scan QR code for video instructions.

### After Use Purefast®

Sustainability is one of our top priorities. Purefast® will do the work to achieve ZERO PFAS in your drinking water. If you return your used filter to us, we will ensure that ZERO PFAS waste goes to the environment. Each Purefast® filter comes with a pre-paid mailer to return used cartridges to our lab for safe disposal. When the filter is fully used, place the spent cartridge in the mailer, seal it, and drop off the package at the post office to return. Postage is already paid!


### Out of the Box

1. Take filter from box and remove moisture-retaining wrapping. You may notice some moisture in the wrap. This is normal. We pre-wet filters to simplify filter conditioning.

2. Purefast uses a granular mixture of three adsorbents: DEXSORB® (yellow), Activated Carbon (black) and Ion Exchange Resin (white). The media mixture is visible through the bottom screen structures of the filter.

### Limited Warranty

Cyclopure warrants the Purefast® Filter Cartridge for ninety (90) days from date of purchase against defects in materials and workmanship, when used in compliance with this manual. During this 90-day period, if you discover that the filter cartridge is damaged or defective due to manufacturing or shipping, we will replace the filter cartridge free of charge by calling 1-312-639-5009. To the extent permitted by local law, this warranty is in lieu of any other warranty, express or implied, including any implied warranty of merchantibility or fitness, and precludes any other obligation on the part of the manufacturer, including any liability for special, incidental or consequential damages. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

# Purefast® Countertop Filter

## FAQ

### Q1. How long does the Purefast® filter last?

Purefast® filters are certified for 65 gallons of water, which can last up to 3 months for a family of 2. This is based on CDC estimates that one person drinks 44 oz. of water per day, or 1,320 oz. (10 gallons) per month.

| | |
|---|---|
| One Person | Up to 6 months |
| Family of Two | Up to 3 months |
| Family of Four | Up to 1.5 months |

### Q2. What should I do if my water pitcher is draining slowly?

You may notice a slower filtration rate than that of a standard Brita filter due to the addition of DEXSORB® for PFAS removal in Purefast® filters – this is normal.

Please note, if you use larger pitcher sizes like the 10-cup or 27-cup, it is best to fill the reservoir once per use. If you "stack" reservoir pours (one batch on top of the other), this will slow the draining of the reservoir into the pitcher.

High levels of air saturation in your tap water can also lead to slower filtration. If you see bubble in your tap water, let your water sit in a container on the counter for 60 seconds before running it through your filter.

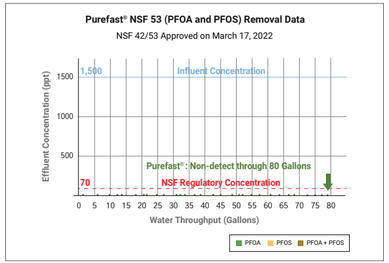
If the filtration time slows to more than 15 minutes for the 10-cup pitcher or 30 minutes for the 27-cup dispenser, recondition by following conditioning steps 1-3 in Q1.

### Q3. Which Brita pitcher should I use with my Purefast® filter?

Purefast® is designed to work with Brita pitchers that use standard filters, such as Soho (5 cup), Space Saver (6 cup), Tahoe (10 cup), and Ultramax (27 cup).

### Q4. How effective are Purefast® filters in removing PFAS compounds?

The Purefast® filter is certified for removal of PFOA and PFOS under NSF/ANSI 53. See the graph below. The blue line indicates the "influent" concentration (the water that flowed INTO the system) and the green line indicates the "effluent" concentration (the water that flowed OUT of the system, after being filtered with Purefast®). The influent water had a concentration of 1500 ppt of PFAS and the effluent concentration shows non-detect levels. Our instruments are calibrated to a limit of quantification of 2 ppt for GenX and 1 ppt for all other PFAS. Non-detect levels indicate that the concentration of PFAS is below these limits of quantification.




### Q5. Where is your NSF Certification posted?

Please scan QR code.

# Purefast® Countertop Filter
## 0-100-0 System

**0** There are **0 PFAS** in your water.

**100** We **reuse 100% of the cartridge media** in non-drinking water applications.

**0** **There is 0 PFAS waste after use** as PFAS are separated and concentrated from media for full destruction to prevent recontamination of the environment.