



In-Home Water Filtration Options for PFOAs in Household Drinking Water

Some residents have asked about the use of in-home drinking water filtration units for reducing the amount of perfluorooctanoic acid (PFOA) and other perfluorinated chemicals (PFCs) in drinking water. Water filtration units that use **granulated activated carbon (GAC, also called charcoal filters)** and **reverse osmosis (RO)** can be effective in removing these chemicals from water.

GAC and RO can be used as either *point-of-use systems* or *point-of-entry systems*.

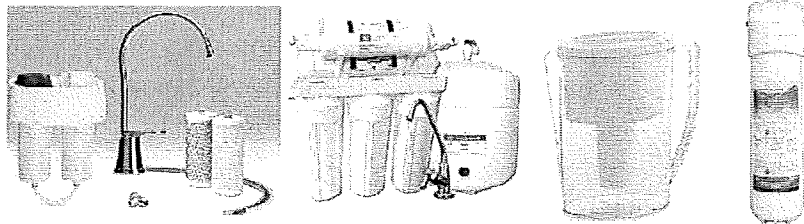
Point-of-use systems (POUs) attach at the point where your water is dispensed. These can be installed at your drinking water tap or for your refrigerator's water dispenser. POU charcoal filtered water pitchers or water bottles are also available as more economical options.

Point-of-entry systems (POEs) are water filtration systems that are installed at your home's main water-line and filter the water used throughout your home. POE systems are more costly than POU options.

Activated carbon (charcoal) water filters are made from porous charcoal that attracts and holds chemicals. These filters remove chemicals from the water as it passes through the filter.

Reverse osmosis (RO) units push your water through a semipermeable membrane, which is about as thick as cellophane. The membrane filters the chemicals out of the water.

Both of these water filtration options can be used as point of use or point of entry.



Examples of in-home point-of-use drinking water filtration units. L-R: charcoal filter tap unit, RO tap unit, charcoal filter water pitcher, refrigerator water filter.

Things to Consider

- Look for an NSF, UL, Water Quality Association or CSA Group certification label when considering which unit to purchase. To earn certification, a manufacturer must undergo testing to confirm that the unit meets all chemical reduction claims and is structurally sound. Units that are labeled as effective for removing pesticides (such as Aldrin) and volatile organic compounds should also be effective for PFOA and other PFCs.
- Change the filters periodically. Your water filtration unit must be maintained for it to continue to be effective. Follow all maintenance schedules provided in the manufacturer's owner's manual. The more you use your water filtration unit, and the more water you run through it, the more frequently you will need to change your filter. The characteristics of your water (hardness, temperature, etc.) may also affect how frequently you need to change your filters or service your unit.
- Test and treat for other contaminants in your water at the same time. Water from your private well