Recommendation Based on Ability to Remove Fracking Contaminants:

Highly Recommend
Moderately Recommend
Somewhat Recommend
Do Not Recommend

Water Filter Comparison Table

Portable Filters - Gravity, Pitcher, & Straw					
Product Name	Image	Contaminants Removed	Specifications	Cost	Pros/Cons
Big Berkey Gravity-Fed Water Filter		Viruses, pathogenic bacteria, trihalomethanes, inorganic minerals, heavy metals, microorganisms, pharmaceutical drug contaminants, pesticides, volatile organic compounds, nitrites, sediment, silt	• Made with Black Berkey filters, which contain a coconut shell carbon filter with "5 other types of media" • Additional fluoride filters can be purchased • 2.25-gallon container • Powered by gravity	~$405	Pros: • Should effectively remove contaminants found in hydraulic fracturing water Cons: • Expensive • Not available in Iowa or California
AquaTru® Countertop Water Purifier		Sediment, chlorine, chloramines, inorganic contaminants, heavy metals, nitrates, VOCs, pesticides	• Made with 4 stages: sediment pre-filter, activated carbon pre-filter, high-efficiency pre-filter, activated coconut shell VOC carbon filter • 1-gallon container • Powered by electricity • Can get a more expensive version which allows you to keep track of filter replacement with an app (for ~485)	~$449	Pros: • Should remove most contaminants found in hydraulic fracturing water Cons: • Expensive • Unclear on specific contaminants it removes, including bacteria
LARQ Pitcher PureVis™ with Advanced Filter		Particulates, chlorine, heavy metals (lead, mercury, cadmium, copper), PFAs/PFOs, pharmaceuticals, VOCs, pesticides; Prevents bio-contaminant growth	• Made with 2 stages: a plant-based filter including Nano Zero technology, a LARQ Pitcher PureVis filter using UV technology and activated carbon • 0.5-gallon container • Powered by gravity	~$135	Pros: • Should remove most contaminants found in hydraulic fracturing water • Somewhat affordable Cons:

					• Removes only a few heavy metals • Unclear if it removes bacteria or if it just prevents bio-contaminant growth after filtration
Brita™ Longlast Water Filter Pitcher		Heavy metals (lead, mercury, cadmium), chlorine, particulate, asbestos, benzene **Longlast+ filters also remove pharmaceuticals and industrial chemicals	• Filter includes activated carbon, ion exchange resin, and mesh filter • 10-ounce (~0.078 gallon) container • Powered by gravity	~$40	Pros: • Should remove basic contaminants • Very affordable price Cons: • Does not remove bacteria, VOCs, or most metals
Purewell Outdoor Water Filtration Straw		Sediment, small impurities, VOCs, heavy metals, odor, parasites, cysts	• Made with 4 stages: hollow UF membrane, medical grade PP cotton, coconut shell activated carbon, medical grade PP cotton • Use as a straw directly from water source • Powered manually	~$10	Pros: • Should remove some key contaminants found in hydraulic fracturing water • Very affordable price Cons: • Unclear on specific contaminants it removes
Etekcity Portable Water Filter Straw		Bacteria, heavy metals, odor, chlorine, trihalomethanes	• Made with pre-filter, input cover, antibacterial activated carbon filter with ion-exchange resin, hollow fiber ultrafiltration inline membrane, dust-proof cover • Uses a foldable pouch to store the water • Pouch has a 480 mL (~0.13 gallon) capacity • Powered manually	~$20	Pros: • Should remove some key contaminants found in hydraulic fracturing water • Very affordable price Cons: • Does not remove VOCs • Unclear on specific metals it removes

Reverse Osmosis Systems - Under-Sink & Countertop					
Product Name	Image	Contaminants Removed	Specifications	Cost	Pros/Cons
APEC Water® ROES-PH75 - Essence Alkaline Mineral RO Drinking Water System		Sediment, radioactive chemicals, pesticides, herbicides, pharmaceuticals, heavy metals, VOCs, PFOs, PFOA, nitrate, trihalomethanes, fluoride, protozoa, cysts, bacteria, asbestos	• Made with 6 filter stages: sediment, carbon block filter (2), high rejection TFC reverse osmosis membrane, coconut shell refining carbon, calcite acidic water neutralizer • Filters 75 gallons/day • Powered by electricity	~$320	Pros: • Should effectively remove contaminants found in hydraulic fracturing water • Remineralizes the water so that the pH is balanced Cons: • Expensive
iSpring RCC1UP-AK Under Sink RO System with Alkaline Filter and UV Filter		Sediment, tastes, cloudiness, particles, chlorine, chlorine, chloramine, heavy metals (lead, arsenic, etc), fluoride, microorganisms, asbestos	• Made with 7 filter stages: PP sediment, granular activated carbon, carbon block, reverse osmosis membrane, post carbon, alkaline, UV lamp • Filters 100 gallons/day • Powered by electricity	~$450	Pros: • Should remove most contaminants found in hydraulic fracturing water • Remineralizes the water so that the pH is balanced Cons: • Expensive • Does not specify if it removes VOCs
APEC Water® RO-CTOP-PH c Alkaline Portable Countertop RO System with Case		Contaminant list on official website is the same as the APEC ROES-PH75 RO Filter above	• Made with 4 filter stages: premium Quick-Connect sediment filter, premium Quick-Connect coconut shell activated carbon, select FILMTEC high rejection TFC reverse osmosis membrane, calcite acidic water neutralizer • Filters 90 gallons/day • Powered by electricity	~$445	Pros: • Should effectively remove contaminants found in hydraulic fracturing water • Remineralizes the water so that the pH is balanced Cons: • Expensive • Can only be used on standard faucets (not pull-out, special size designer, or sprayer faucets)

Whole House Systems					
Product Name	Image	Contaminants Removed	Specifications	Cost	Pros/Cons
Applied Membranes Inc® Whole House Filter		Heavy metals (lead, mercury, nickel, chromium, etc), chlorine, chloramine, sediment, rust, pesticides, herbicides, VOCs, trihalomethanes, odors, cloudiness **Fine print on the heavy metal filter states it controls bacteria, fungi, and algae, but this is not explicitly stated elsewhere	• Made with 3 filter stages: 5 micron sediment filter, CTO filter - chlorine, taste, and odor plus advanced chemical removal, heavy metal removal • 100,000 gallon capacity • Powered by water pressure	~$520	Pros: • Should effectively remove contaminants found in hydraulic fracturing water Cons: • Expensive • Unclear if it removes bacteria
SoftPro Water Systems® Catalytic Carbon Filter + Auto Backwash		Chloramines, chlorine, VOCs, pesticides, herbicides, petroleum products, lead, copper, zinc, sulfur	• Made with catalytic carbon • 600,000 - 1,000,000 gallon capacity • Powered by water pressure • Auto backwash requires electricity + improves filter longevity	~$1400	Pros: • Should remove some contaminants found in hydraulic fracturing water Cons: • Very expensive (but actually cheaper than most central whole house filters) • Does not remove most heavy metals or bacteria • **Central whole house filters typically do not remove TDS, so it is better to buy a heavy duty version with multiple filters