

Common Water Contaminants:

Bacteria: E. coli; Salmonella; Cholera

Protozoans: Giardia; Cryptosporidia; Amoeba

Viruses: Hepatitis A; Norwalk Virus; Rotavirus; Poliovirus

Tips:

- 1) Always bring a back-up water treatment option
- 2) Middle of a lake is the best place to draw water. Cysts tend to settle out in a large body of water
- 3) Always check local information on water conditions at your destination before your trip
- 4) If treating water by boiling, 1 minute at a full rolling boil is sufficient. [At higher elevations boil time should be increased. At 2,000 m (6,500 ft) water should be boiled for 3 minutes]

Pump Filters/Purifiers

Manufacturer	Model	Type	Flow Rate	Weight	Eliminates	Filter Life	Other Features	Price
Katadyn	Hiker Pro	Pleated glass fiber (0.2 µm)	1 L/min	11 oz	Bacteria Protozoa	Up to 1,150 L	Field cleanable; Carbon core: reduces chemicals, improves taste	\$84.95
Katadyn	Vario	Pleated glass fiber (0.2 µm) & Ceramic disc	2 L/min	15 oz	Bacteria Protozoa	Up to 2,000 L	Field cleanable; Carbon core: reduces chemicals, improves taste	\$94.95
MSR	MiniWorks	Ceramic (0.2 µm)	1 L/min	16 oz	Bacteria Protozoa	Up to 2,000 L	Field cleanable; Carbon core: reduces chemicals, improves taste	\$89.95
MSR	Guardian Purifier	Hollow Fiber (0.02 µm)	2.5 L/min	17.3 oz	Bacteria Protozoa Viruses	Up to 10,000 L	Full viral protection with no chemicals; Self-cleaning while you pump your water	\$349.95

Gravity Filters

Manufacturer	Model	Type	Flow Rate	Weight	Eliminates	Filter Life	Other Features	Price
MSR	Autoflow XL	Hollow fiber (0.2 µm)	1.75 L/min	12 oz	Bacteria Protozoa	Up to 1,500 L	Field cleanable; Bottle Adapter included; 10L Bag included	\$99.95
MSR	TrailBase	Hollow fiber (0.2 µm)	1 L/min	22 oz	Bacteria Protozoa	Up to 1,500 L	Field cleanable; 2L Clean & Dirty Bags included; Convertible to TrailShot Ultralight Filter	\$139.95
Platypus	GravityWorks (4L)	Hollow fiber (0.2 µm)	1.5 L/min	11.5 oz	Bacteria Protozoa	Up to 1,500 L	Field cleanable; Clean & Dirty Bags included	\$109.95
Platypus	GravityWorks (2L)	Hollow fiber (0.2 µm)	1.5 L/min	10.9 oz	Bacteria Protozoa	Up to 1,500 L	Field cleanable; Adapters included; Clean & Dirty Bags included	\$99.95
Sawyer	Squeeze System	Hollow Fiber (0.1 µm)	1.7 L/min	3.0 oz	Bacteria Protozoa	100,000 gal.	Backflushable using the included syringe, 2-64oz Bags included	\$49.95
MSR	Guardian Gravity Purifier	Hollow Fiber (0.02 µm)	2.5 L/min	17.3 oz	Bacteria Protozoa Viruses	Up to 3,000 L	Full viral protection with no chemicals; Self-cleaning while you	\$249.95
Katadyn	BeFree Gravity Filter 6.0L	Hollow Fiber (0.1 µm)	2 L/min	8.9 oz	Bacteria Protozoa	Up to 1,000 L	Field cleanable using a simple shake method	\$99.95
Katadyn	BeFree Gravity Filter 10.0L	Hollow Fiber (0.1 µm)	2 L/min	10.7 oz	Bacteria Protozoa	Up to 1,000 L	Field cleanable using a simple shake method	\$109.95

Ultralight Filters

Manufacturer	Model	Type	Flow Rate	Weight	Eliminates	Filter Life	Other Features	Price
MSR	Trailshot	Hollow Fiber (0.2 µm)	1 L/min	5.0 oz	Bacteria Protozoa	Up to 2,000 L	Field cleanable using a simple shake method	\$49.95
Katadyn	BeFree 1.0L	Hollow Fiber (0.1 µm)	2 L/min	2.3 oz	Bacteria Protozoa	Up to 1,000 L	Field cleanable using a simple shake method; 1.0L Bag included	\$44.95
Katadyn	BeFree 3.0L	Hollow Fiber (0.1 µm)	2 L/min	3.5 oz	Bacteria Protozoa	Up to 1,000 L	Field cleanable using a simple shake method; 3.0L Bag included	\$54.95

Sawyer	Squeeze	Hollow Fiber (0.1 µm)	1.7 L/min	3.0 oz	Bacteria Protozoa	100,000 gal.	Backflushable using the included syringe, 16oz, 2-32oz Bags included	\$39.95
Platypus	Quickdraw	Hollow Fiber (0.1 µm)	3 L/min	2.2 oz (3.3 w/included reservoir)	Bacteria Protozoa	Up to 1,000 L	Field cleanable using a simple shake method	\$39.95

UV Purifiers

Manufacturer	Model	Type	Treatment Time	Weight	Effective Against	Battery Life	Other Features	Price
SteriPen	Classic 3	Ultraviolet Purifier	1.5 min/L	5.0 oz	Bacteria Protozoa Viruses	4 AA batteries; Lithium = 150L; Alkaline = 50L; NIMH (recharge) = 100 L	Lamp life = 8,000 cycles	\$89.95
SteriPen	Ultralight	Ultraviolet Purifier	1.5 min/L	2.6 oz	Bacteria Protozoa Viruses	Rechargeable Lithium Ion; 20 treatments per charge	Lamp life = 8,000 cycles	\$99.95
SteriPen	Adventurer	Ultraviolet Purifier	1.5 min/L	3.6 oz	Bacteria Protozoa Viruses	2 CR123 batteries; 50 treatments	Lamp life = 8,000 cycles	\$109.95

Chemical Treatments

Manufacturer	Model	Type	Treatment Time	Weight	Effective Against	Volume Treated	Other Features	Price
Aquamira	Water Treatment Drops 1oz.	Chlorine Dioxide	20– 35 min	3.7 oz	Bacteria Protozoa Viruses	Up to 114 L 4 year shelf life	Does not impart taste to water; more effective than iodine in treating Cryptosporidium cysts	\$14.95
Katadyn	Micropur MP1 Water Purifier Tablets 20 or 30 pack	Chlorine Dioxide	15min-4hrs depending on water conditions and organisms present	1.5 oz	Bacteria Protozoa Viruses	20L or 30L	Meets EPA Microbiological Purifier Test Standards; does not impart taste to water; more effective than iodine in treating Cryptosporidium cysts	\$10.95/ 20 pack \$14.95/ 30 pack
Potable Aqua PA+	Water Purification Germicidal Tablets	Iodine	35 min	2.45 oz	Bacteria Protozoa (but not Cryptosporidia) Viruses	25 L	Not effective against Cryptosporidium cysts; Has PA+ tablets to neutralize Iodine after taste	\$12.95
Potable Aqua	Water Purification Germicidal Tablets	Iodine	35 min	1.35 oz	Bacteria Protozoa (but not Cryptosporidia) Viruses	25 L	Not effective against Cryptosporidium cysts	\$8.95