

Aqua Partner - High Volume Portable Water Purification Unit

This system features ultraviolet disinfecting and carbon block filtration, using a three step disinfection/filtration process to eliminate everything from dirt and silt to giardia and micro-organisms (viruses, bacteria, fungi, algae, and protozoa). Seventy-five – 100 gallons of water, at a rate of one gallon per minute, can be filtered per battery charge.

Three Step Purification Process

1. Sediment Filter – this filter removes dirt and silt particles larger than 1 micron.
2. Carbon Block Filter – this filter, made of activated carbon, filters out particles to .5 micron – ensuring the removal of cysts such as Giardia Lamblia. The carbon filter also removes chlorine, bromine, and other organic compounds.
3. Ultraviolet Disinfection – An ultraviolet lamp inside the filter housing is used to destroy 99.9% of all five major types of micro-organisms.

Operating Instructions

1. Place the inlet hose, which has the pre-filter, in the clearest source water (bucket). Place the outlet hose in a clean container (water jug). River water **MUST** be settled and decanted. **Failure to properly settle water will render the filter inoperable!**
2. Connect the batter leads (+Red; - Black)
3. Press the button located on the top of the unit – the LED on the panel will illuminate to indicate the UV lamp is operating.
4. Let the outlet water run for one full minute before collecting water. This allows the UV lamp to reach optimum operating temperature and flushes contaminants from the outlet hose.

Disassembly Instructions

1. Remove the inlet hose from the water source and hold it elevated for a few seconds to clear the line of water.
2. Disconnect the battery leads
3. Place the unit and the hoses back in the box.

Trouble Shooting

PROBLEM	POSSIBLE CAUSE
Water flow is very slow	Low battery or clogged sediment filter
Pump runs, but no water comes out	Sediment filter is clogged – source water is not being settled correctly
Unit will not run for full time	Unit not fully charged or battery damaged
Battery has full charge, does not run	Loose or broken battery connection
LED is not lit, but pump is running	UV light has burned out or is disconnected

Changing the Sediment Filter

If you are changing the filters you are not properly settling water!! The cost for the replacement filters,

1. Using the filter wrench, unscrew the sediment filter casing clockwise.
2. Remove the sediment filter and replace with spare filter
3. Replace the filter casing, using the filter wrench; screw in the casing counter clockwise.

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