

Aqua Partner – High Volume Portable Water Purification Unit – Partner Steel

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 (virus, 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: Removes dirt and silt particles larger than 1 micron.
2. Carbon Block Filter: Made of activated carbon, filters out particles to .5 micron, ensuring the removal of cysts such as Giardia Lambia. 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 house 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 battery 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

PROBLEMS	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 charges 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 property settling water. The cost for the replacement filter.

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

     **DO NOT OPEN THE UV FILTER**     