

INSTRUCTION MANUAL

Miniwell Electric Portable Water Filter - L800

Exploded View



Note

1. Don't start electric filter without prefilter. Prefilter can prevent the motor damage from granular impurity flowing into pump.
2. If electric filter has been left idle for a few days after use, please unscrew and take internal UF filter and carbon fiber filter out. Fill clean water into the unit from internal UF filter and carbon filter install location, and then screw internal UF filter and carbon filter back to the unit.
3. Electric filter prevents water from splashing into the pump. If it accidentally fall into the water, please take out the battery and let electric filter air dry.

Normal Operation

How to choose water source?

Filter lifespan depends on water source quality. A natural free flowing source is preferred, such as water from spring, stream and river. Water that is heavily contaminated from industrial pollution or other high levels of pollution should be avoided.

1. Set Up

Connect water inlet hose to water Inlet fixture. Ensure that the UF Pre-Filter is attached to other end of water Inlet hose.

Fully submerge the UF Pre-Filter in untreated water source. Use the float to keep the prefilter away from mud or sediment.

2. Start to Work

Turn on power switch. Indicator lights during the pump working. Wait 5-10seconds to purge air by allowing water to flow through the filter. (Note: If no water flows out from outlet fixture, unscrew 11 UF cover and then restart the pump. Screw ⑪ UF cover after water spills under ⑪ UF cover.



3. Each Time after Use

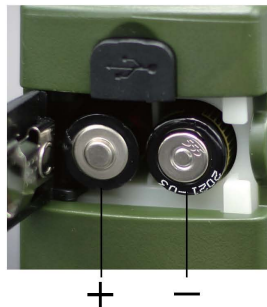
Remove prefilter from water. Let pump works until remove residual water in filter. Back wash prefilter before storage. (See details in Prefilter Back Washing).

Power Options and Connection

1. Insert 2 (1.5 volt each) alkaline AA batteries in battery compartments

Note:

1. Insert the batteries in correct direction.
2. Remove batteries if no use for a long time.



2. 3V-5V battery pack (500mAh-2000mAh) with micro USB connector inserts Micro USB Port on L800.



(UF) Pre-Filter Back Washing

Once flow rate slows down or filter storing, please back wash prefilter.

1. Remove prefilter from inlet hose.
2. Place inlet hose in clean water. Turn on power switch to remove air from internal system and outlet hose. (Note: If there is air in internal system or outlet hose, it can cause prefilter come off during back washing.)



3. Connect prefilter to outlet hose and then restart the power. Flush out dirty from prefilter until flush out clear water. (Swing prefilter during back washing for a more thorough cleaning.)



Maintenance

If filter will be not used more than half month, please storing L800 as follows,

- 1) Back wash prefilter.
- 2) Unscrew Ultra Filter and gently remove Ultra Filter/Carbon Filter assembly.
- 3) Unscrew Carbon Filter from Ultra Filter/Carbon Filter assembly. Flush Carbon Filter by clean water. (Carbon Filter ABS housing can not disassemble.)
- 4) Soak Ultra Filter and Prefilter in vinegar or medical mouthwash (preferred) for 30 minutes.
- 5) Remove the Ultra Filter and UF Prefilter from medical mouthwash. Flush with clean water. Store the filter in a cool and dry location.

Warning: Don't dry off filters in the sun or parch with fire. Don't Freeze.

Filter Replacing

1.(UF) Pre-Filter Replacing

If UF membrane in prefilter is yellowed, turns black or flow rate slows down even though black wash a couple of time. Remove prefilter from water inlet hose. Connect new prefilter to inlet hose.



2. Carbon Filter and UF Filter Replacing

1) Uncrew UF filter counter-clockwise and gently remove UF filter/Carbon filter assembly.



- 2) Gently rotate UF filter so that Lock Pins are aligned with openings of lock Slots.
Pull UF filter away from Carbon Filter. Replace new filter.



- 3) Put the carbon filter and UF built-up filter into housing and screw on tightly.



Specification

Model	L800
Filter Pore Size	0.01micron
Net Weight	400g
Capacity	1000L (depend on water quality)
Flow Rate	0.35L-0.7L(0.09gal-0.18gal)/min
Material	Food Grade ABS, Carbon Fiber, UF membrane
Optimum Temperature Range	0°C-40°C
Shelf Life	5 years(After Initial Wetting:3 years
Voltage	3V-5V