

Solar Power Mini Drinking Water Filter



Application

Filter raw natural water to clean drinking water by using patented **ultrafiltration technology**, suitable for rural household or disaster relief.



Solar Power Rechargeable



High Flow Rate



Disaster Humanitarian Relief

- Membrane made out of hydrophilic PVDF material which is non-adhesive, easy to clean, reusable and chemical resistance.
- Directly plug in or use solar energy charger to recharge the provided USB water pump.
- Block harmful substances such as E. Coli, bacteria, heavy metal effectively.

Fourth Stage – Patented Ultrafiltration Membrane

Filter out impurities such as heavy metal, E.Coli, rust, algae, bacteria up to 0.01 to 0.03 micron. Replacement is unnecessary with scheduled membrane cleaning with water take place.

Third Stage – Mix Bed Multi-Functional Membrane

Combination of activated carbon and ion exchange resin, ensure the clean water quality and great taste.

Second Stage – SP3 Scale Hardness Transformer

Transform calcium and magnesium scale hardness in the water into soft aragonite crystal structure, prevent the formation of hard scales.

First Stage – Silver Contained Granular Activated Carbon

High quality granular activated carbon removes pesticides, organic substance and has 99.9% anti-bacterial and chlorine removal efficiency.

Modular Membrane Design

- Easy to assemble and replace
- Easy for membrane and cartridge cleaning



Precaution

1. Fill the filter cartridge with the inlet water before using the USB pump to pump the water to ensure smooth water flow.
2. Press the red button on top of the cartridge to release the gas pressure until the water is flowing out.
3. Clean the membrane when there is noticeable water flow rate drop. Use the brush provided to clean the membrane with water.
4. If the filter will not be used for a long time, take out the Ultrafiltration membrane and store at a dry place or wrap in a plastic bag after cleaning.
5. Put the red plug on the Ultrafiltration membrane when it is not in used in the filter cartridge to prevent dirt from entering.

Specification

Model Number	NK-10 / UF-020
Total Dimension: L X W X H	145 X 145 X 400 (mm) (With Pump)
Total Weight	3.2 kg (UF Membrane 3kg, Pump 0.2kg)
Flowrate	200 - 300 mL/min
Components	UF Membrane + Cartridge + USB Pump + Solar Panel

Visit

<https://sites.google.com/view/waterfiltrationsolar/%E9%A6%96%E9%A0%81> for more videos for reference.