

**Berkey®**  
**Water Filters**  
*"Simply the Best"*

New Millennium Concepts Ltd.

**Models: Berkey Light® and  
 Berkey Light® with LED Light Base**  
 with Ceramic Filtration Elements



**WARNING:** Failure to read, thoroughly understand, and follow all instructions may result in personal injury, water damage, or voiding of the warranty! It is the assembler's responsibility to make sure all components are properly assembled and installed using the instructions provided. While your **Berkey®** system should not have any leaking problems, there is always the chance that a leak might occur due to being improperly assembled or perhaps a faulty part. In an overabundance of caution, we recommend that for the first 24 hours the filled system be placed in an area wherein if such a leak were to occur, the resulting spillage would not damage anything within the household.

**INTRODUCTION:**

Now that you have bought your **Berkey®** water filter, you have taken the first step towards protecting you and your family from disease causing pathogens and other waterborne contaminants that may be in your water.

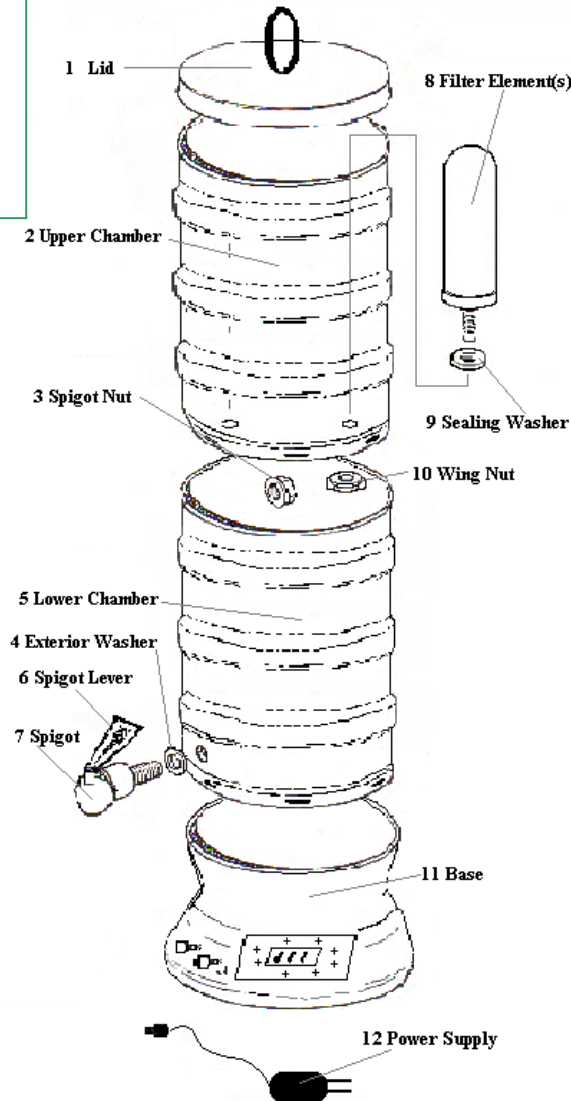
The ease of operation of this unit combined with a proven effectiveness at eliminating waterborne diseases and contaminants has led to **Berkey®** water filter elements being specified for field operations by many of the world's major aid and emergency relief organizations.

**CONTENTS:**

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| 1- Upper Chamber                                     | 1- Lower Chamber                     |
| 1- Base  | 1-Lid                                |
| 1- Spigot, nut and two washers                       | 2- Poly Blocking Plugs               |
| 1- Instruction sheet                                 | 1- AC adapter (with LED base option) |
| 2-4- Ceramic Filtration Elements, wing nuts, washers |                                      |

**ASSEMBLY INSTRUCTIONS:**

- Assemble your **Berkey®** system as cleanly as possible. Extreme cleanliness is important. Wash your hands and **Berkey®** system before proceeding to assure that contamination of the components does not take place during assembly. *Note: You can run a few batches of water through your **Berkey®** system and then use the filtered water to clean your hands and your system.*
- Remove the filtration elements and parts from their protective packaging, checking each item against the above list.
- Place the large sealing washer (9) over the threaded stem of the element (8) (*Washer rests on inside bottom of upper chamber (2)*).
- Place element stem into the hole in the base of the upper chamber (2).
- Secure element in the chamber base by screwing the wing nut (10) onto the threaded mount. Repeat #3 & #4 until all elements have been installed. **Note: Tighten moderately, do not over-tighten wing nut.**
- For BL systems having more element holes than filtration elements (expandable systems) secure poly blocking plugs into empty holes.
- Place the exterior beveled washer (4) over the threads of spigot (7) with the bevel facing the system. Insert threaded stem of spigot through hole in the side of the lower chamber (5) insert internal flat washer over threads and secure it in place with the spigot nut (3). Tighten securely by hand only. *Hint: hold nut in place and gently turn spigot until tight then rotate spigot until handle is facing upward.*
- Turn lower chamber upside down on a counter or other flat surface and place base (11) onto bottom of lower chamber with large opening facing downward. **Align seams on lower chamber and base, slip nipples on left side of lower chamber under lip of base opening and apply downward pressure onto right side of base with a slight twisting motion until base snaps onto lower chamber. Note: Some units may not snap.**
- Turn upper chamber upside down on a counter or other flat surface with opening facing downward. Place connected lower chamber and base onto bottom of upper chamber, opening facing downward. **Align seams on lower and upper chambers, slip nipples on left side of upper chamber under lip of lower chamber opening and apply downward pressure onto right side of upper chamber with a slight twisting motion until upper chamber snaps onto lower chamber. Note: Some units may not snap.**
- Turn entire assembled system upright. You are now ready to begin operating your **Berkey Light®** water filter. (*Note: With systems containing LED lamps, rotate base until switch is on opposite side of spigot.*)
- See back page for operational and maintenance instructions.



**NOTE: ALIGN SEAMS WHEN ATTACHING BASE AND CHAMBERS, SLIP LEFT NIPPLES UNDER LIP AND APPLY PRESSURE TO RIGHT SIDE.**

**Optional LED Base Operation:** Plug in AC adapter and **charge batteries for 24 hours before using LED lamp base.** Nickel cadmium (Ni-Cad) batteries have a memory therefore it is important to fully charge them before use and it is beneficial to fully discharge them before they are again recharged. If electricity is available, the AC adapter or the internal rechargeable batteries can power the LED base. When power is not available, the **Berkey Battery Adapter™** case (optional) provides an incredible two weeks of nighttime light from four small AA alkaline batteries and the **Berkey MP Solar Charger™** (optional) provides for an endless source of power. Note: AC adapter for 120V power only. Step down adapter required for 220V power.



## Models: Berkey Light™

## Berkey Light™ with LED Light Base

### With Ceramic Filtration Elements

#### OPERATION:

- 1. CONDITION FILTERS:** Fill upper chamber fully with cold or room temperature water (*do not use boiling water*) and cover with lid (*allow five minutes for water to begin dripping*). After 2/3 of water in upper chamber has filtered into lower chamber, open spigot and allow all water to run to waste. This procedure removes fines and filter particulate from the inner bore of the filter elements. System is now conditioned and ready for use.
- 2. Refill upper chamber.**  
**Notes:** 1) *When lower chamber is partially filled, be cautious not to overflow upper chamber as this could cause lower chamber to overflow. For example, if the lower chamber is 1/3 full, the upper chamber can be refilled by 2/3rds; if the lower chamber is 1/2 full, the upper chamber can be refilled by 1/2, etc.*
- 3. LED base option:** Plug in AC adapter and **charge batteries for 24 hours before using LED lamp base.** Nickel cadmium (*Ni-cad*) batteries have a memory, therefore it is important to fully charge them before use and it is beneficial to fully discharge them before they are again recharged. If electricity is available, the LED lamps can be powered by the AC adapter or the internal rechargeable batteries. When power is not available, the **Berkey Battery Adapter™** (*optional*) provides an incredible two weeks of nighttime light from four small AA alkaline batteries and the **Berkey MP Solar Charger™** (*optional*) provides for an endless source of power.

#### MAINTENANCE:

Wash lower chamber once per month with soapy dishwater. In areas with hard water, calcium scale may build up on spigot and chambers after prolonged use. To remove, soak affected part(s) in vinegar or a 50-50% mix of vinegar and water for about 15 minutes. Then clean with soapy dishwater. After prolonged use filter flow rate may decrease significantly. To speed up flow rate, scrub exterior of filter element with a toothbrush or ScotchBrite™ pad until white. If the filter elements are to be used for longer than 6 months, it is recommended that they be boiled for five minutes (on six-month intervals). This causes the carbon to “de-sorb” some of the contaminants they have “adsorbed” and reactivates the carbon to a certain degree. This allows for further adsorption of contaminants by the carbon. Additionally, this will kill any heterotrophic (non-disease causing) bacteria that may have lodged within the carbon. Allow filter elements to cool naturally – do not run under cold water. Reinstall filter elements, fill the upper chamber with water and cover with lid. Allow water in upper chamber to filter into lower chamber. Open the spigot to allow all water to run to waste. Repeat the preceding step a second time. This will discharge contaminants, which have been de-sorbed by the carbon. You are now ready to begin filtering water.

**NOTES: 1)** If the system is left to stand for more than 3 days, it is recommended that any water left in the lower chamber be run to waste and the water filtered during the first 1 minute be also run to waste.

**2)** Never wash filter elements with cleaning detergents or soap. Not intended for use with saltwater.

**3)** While this filter can efficiently filter pond, lake and river water always use the cleanest, clearest water whenever possible. As an additional precaution, if using a source of water that might contain extreme viral and bacteriological contamination, it is recommended that sixteen drops of plain chlorinated bleach per gallon be added to treat the source water before filtering. This will kill minute pathogens such as viruses. The disinfectant will then be filtered from the treated water removing its odor, and taste.

**4)** When filter is not used regularly, remove filter elements from system and allow to air dry. Store filters dry. Until first activated, filter can be stored indefinitely. Do not allow wet filter elements to freeze. Do not place filter in dishwasher or microwave oven.

#### GENERAL WARRANTY INFORMATION

New Millennium Concepts, Ltd. warrants this product to be free from defects in materials and workmanship for a period of 6 months from date of purchase. New Millennium Concepts, Ltd. will replace or repair any product that it deems is not properly functioning during the stated warranty period. Relief under this warranty is limited to the replacement or repair of defective materials or workmanship only. New Millennium Concepts, Ltd. shall not be held liable for incidental or consequential damage to personal property from, but not limited to, a defective unit, improper use, abuse, accident, or neglect, etc. No warranty will apply to units which have been used for purposes not intended, which have been altered so as, in the manufacturer's judgement, to affect adversely its performance. This warranty is for the original retail purchaser only, and cannot be transferred. Repair or replacement of parts will be made upon delivery to manufacturer's plant or authorized service dealer at customer's expense. The laws of the State of Texas, USA, will govern any disputes regarding this warranty or claim made. This warranty which is given expressly in lieu of all warranties, expressed or implied, or merchantability and fitness for a particular purpose, constitutes the only warranty made by New Millennium Concepts, Ltd.