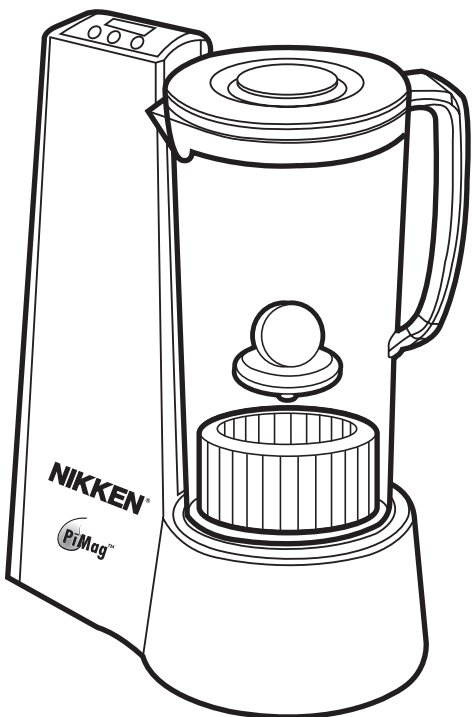


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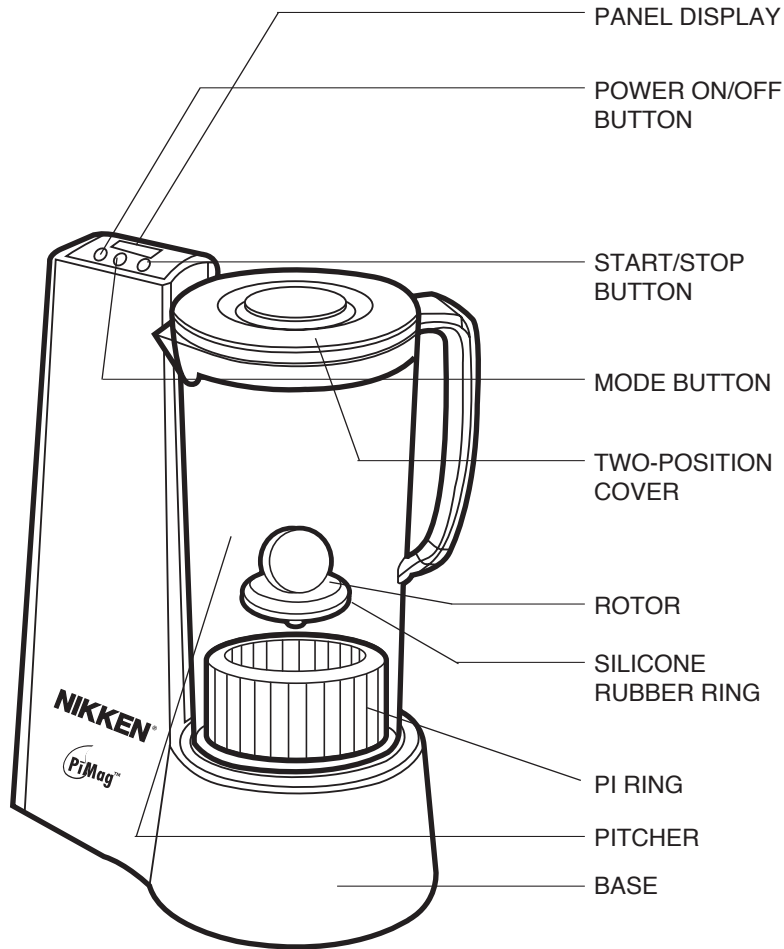


Optimizer II



OPERATING MANUAL

COMPONENTS



IMPORTANT-FOR YOUR SAFETY

When you use the Nikken PiMag™ Optimizer II or any electrical appliance, always operate it safely.

- Read all instructions first.
- To prevent possible electric shock, do not immerse the Optimizer base in water. Keep the surfaces of the base unit dry before, during and after use.
- Always operate the unit on a flat, dry, hard surface such as a countertop. To avoid overheating the unit, keep materials from blocking the vent openings, and do not run the Optimizer continuously for an extended period.
- Unplug the unit when cleaning or not in use.
- Keep the cover securely fastened on the pitcher when operating. Do not put fingers or other objects in the pitcher when the Optimizer is running.
- Do not operate if the cord is damaged, if the unit fails to work correctly, or if the Optimizer has been dropped.
- The pitcher and cover should be washed by hand only, with a mild detergent and soft sponge. Use a soft cloth to dry the unit.
- Do not leave the Optimizer unattended when it is running.
- Do not fill the Optimizer with anything but municipally treated water or water known to be biologically safe.
- Do not overfill or run the Optimizer with the pitcher empty.
- Do not attempt to use the Optimizer with solids in the pitcher.
- Do not add any substances such as sugar, sweetener, vitamins, etc., to the water in the pitcher.
- Do not use hot water above 80°C, or put the Optimizer pitcher in an oven.
- This product is equipped with a polarized plug that will fit in a socket only one way. If the plug does not fit easily in the socket, try taking it out and reversing it. Do not attempt to force the plug or modify it in any way.
- Do not attempt to disassemble the base.
- Do not press more than one button at the same time.
- Do not operate or store the Optimizer in a dusty, wet or humid place.
- Replace pi ring after one year or 200 hours of use, whichever comes first.
- Do not install the PiMag Optimizer II on or near:
 1. A computer or computer peripherals
 2. A television, VCR, or VCR tapes
 3. An area subject to strong vibration
 4. Magnetic cards, including bank and credit cards, access cards, etc.

WARNING: If you use an electronic medical device such as a pacemaker, do not use this product. Women in the first trimester of pregnancy or anyone with a health problem or implanted electronic device should consult a physician before use.

This unit is not a water purifier or filter. Use only on municipally treated water or other water known to be microbiologically safe. Best when used with Nikken PiMag™ filtered water.

ADDITIONAL SAFETY INFORMATION

- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.
- The supply cord cannot be replaced. If the supply cord is damaged, the appliance must be scrapped.

BEFORE FIRST USE

1. Wash the pitcher.

- Wash the pitcher and its cover with a mild detergent and water, using a sponge.
- Rinse thoroughly.

2. Place the rotor in the ring.

- Open the box containing the rotor and pi ring. Rinse these thoroughly in water.
IMPORTANT: Do not use detergent or soap to clean the pi ring.
- Make sure the silicone rubber ring is in place around the edge of the rotor.
- Place the rotor, flat side down, in the middle of the space inside the pi ring.

3. Assemble the components.

- Put the pi ring and rotor inside the bottom of the pitcher, and secure it by turning the pi ring clockwise until it locks into place.
- Gently shake the pitcher once to make sure the pi ring is secure.

4. Perform a rinse operation

- Plug in the PiMag Optimizer II
- Fill the pitcher with 1 to 2 litres of clean, filtered water. The 2-litre level is marked on the pitcher. Fill the Optimizer only with municipally treated water or water known to be microbiologically safe.
IMPORTANT: Do not fill the pitcher with water above the 2-litre (maximum) fill line.
- Make sure the cover is securely fastened on the pitcher, and place the pitcher on the Optimizer base. Do not spill water on the base. If drops of water are spilled, unplug unit and dry the base with a soft cloth before operating.
- Turn on the power by pressing the On/Off button.
- Press the Mode button once. The cycle countdown number (in minutes) will appear in the display.
- Press the Start/Stop button to start.
- Wait until the Optimizer has completed its cycle (approximately 9 minutes).
- Empty the rinse water. The Optimizer is now ready for use.

before the first time the Optimizer is used., or if it has been out of use for an extended period, dust particles may appear in the rinse water. These particles are not harmful. More than one rinse cycle may be necessary.

USING THE OPTIMIZER

To use the PiMag Optimizer II, simply follow the same procedure as described in the rinse operation.

It is not necessary to operate the Optimizer with a full pitcher of water every time, although this will provide best results. Do not run the Optimizer with the pitcher less than half full, and do not fill it above the 2-litre mark.

When optimizing begins, the display will indicate 9. The numbers in the display count down until zero. At zero, the optimizing cycle is complete.

After use, turn off the power by pressing the On/Off button again.

IMPORTANT: Do not remove the pitcher while the unit is in operation. If you wish to stop the optimizing cycle at any time, press the Start/Stop button to cancel the cycle.

To pour water from the pitcher:

The Optimizer pitcher has a two-position cover. The cover has two printed graphic images on its top.

When the cover is positioned so that the graphic on the left is aligned with the dot on the top of the handle, the pour spout is closed.

Rotate the cover so that the graphic on the right is aligned with the dot on the handle. This opens the pour spout.

THE HOURS COUNTER

The Nikken PiMag Optimizer II includes a display function that shows how much you have used your Optimizer, in the number of hours it has run.

The function can help you determine when to replace various components or give you an idea of how often your family drinks optimized water.

The hours counter is accessed using the same buttons that operate the Optimizer.

To check the hours counter:

1. Press the On/Off button once.
2. Press the Mode button once and release.
3. Press the Mode button again and hold down. While still holding down the button, after approximately five seconds a number will appear. This figure shows the number of hours you have used your PiMag Optimizer II.

Note: The counter registers use in whole hours. The display will not show a number until the Optimizer has been operated for at least one hour.

Check this function regularly.

Nikken recommends that you replace the pi ring at least once a year or after every 200 hours of use, whichever comes first.

If you use your Optimizer an average of three times a day, that means the pi ring is due for replacement when the counter shows 160 hours. In twice-a-day use, the estimated interval is at 100 hours.

Component replacement times depend on a variety of factors, including the quality of your water.

MAINTENANCE

IMPORTANT: For best results, the pi ring should be removed and allowed to air dry after each day's use. For more details, see complete instructions below.

1. Optimizer base

- After use, unplug the power cord, remove the pitcher, and wipe the base with a dry cloth.
- Be sure to keep the base surface dry. Wipe up any water that may have spilled.
- Store the base in a flat (horizontal) position.

2. Pitcher and pi ring.

Daily maintenance:

At the end of each day's use, remove the pi ring, gently shake to remove excess moisture, and place on a clean, dry cloth or paper towel to air dry.

Monthly maintenance:

- Remove the pi ring from the pitcher.
- If the surface of the pi ring is discolored (which may occur if water used is impure), use a soft brush and running water to clean the surfaces. Brush gently, and rinse.
IMPORTANT: Do not use detergent or soap to clean the pi ring. Do not expose to water above 80°C.
- After cleaning, replace the pi ring in the pitcher and fill with water to the maximum fill line (2 litres). Run the Optimizer for a full cycle, then empty the pitcher, rinse and let dry.

3. Rotor.

- Clean the rotor at least once a month.
- To clean, gently scrub the entire rotor (paddle, top and bottom sides) with a sponge and water. Rinse thoroughly before replacing.

COMPONENT REPLACEMENT

The pi ring requires regular replacement. When to replace the pi ring is based on its age and on the number of times the Optimizer has been used. The pi ring should be replaced once a year or after approximately 200 hours of use, whichever comes first. See the section previous describing the hours counter for instructions on how to check the number of hours your Optimizer has been in operation.

The rotor also requires periodic replacement. When in use, the rotor should be moving with a rocking motion inside the pi ring. If the rotor no longer develops a rocking motion, it needs to be replaced.

TROUBLESHOOTING

PiMag Optimizer II will not operate when Start/Stop button is pushed.

- Check to make sure the Optimizer is plugged in.
- If there has been a power interruption affecting household current, it may be necessary to unplug the Optimizer and plug it in again.
- Press the power On/Off button and press Mode and Start/Stop buttons again.

The Optimizer is running but the water is not moving in the pitcher.

- Check to see that the rotor is in the pi ring.
- Check to see that the pi ring is properly locked into the pitcher.

The Optimizer is making unusual noises.

- Make sure there is enough water in the pitcher.
- Check to see if there is any foreign matter in the pitcher.
- Check to make sure the silicone rubber ring is properly seated on the rotor.

The water dose not taste good.

- If the PiMag Optimizer II is being used for the first time, or after a long period of disuse, follow the rinsing procedure described in the Before Using section.

- The water may be responsible for the taste. We recommend using water from the Nikken PiMag™ Water System.

The water is discolored and/or has particles in it.

- Make sure that the pi ring is clean - see the instructions for cleaning in the Maintenance section.
- Water discoloration is normal the first time the PiMag Optimizer is used, or if it has not been used for some time. See the instructions for cleaning the unit in the Before First Use section.

DRINKING AND STORING OPTIMIZED WATER

Water that has been processed by the PiMag Optimizer II may be saved for later use, without significant change to its integrity.

We recommend refrigeration as a means of preserving freshness and improving taste.

Nearly any container can be used to store the water, but metal (such as stainless steel or aluminum) containers are not recommended.

Adding flavors to optimized water can provide more variety. You can add flavoring according to your taste. Popular flavorings added to the water include honey, concentrated ginseng, evaporated milk, lemon juice, and green tea. Feel free to experiment. Adding vitamins is another practice.

Never add anything to water in the Optimizer pitcher. Additions will affect the pi ring. Add only after transferring the optimized water to another container.

SPECIFICATIONS

Name

Nikken PiMag™ Optimizer II Water System

Dimensions

Base 20 x 14.5 x 33.5 cm
Pitcher 19 x 12.5 x 25.5 cm

Weight

2.1 kg

Capacity

2 litres

Optimizing Cycle

Nine (9) minutes

Voltage

230V AC, 50/60 Hz

Warranty

The PiMag Optimizer II is covered by a 12 months warranty from date of purchase against faulty materials and workmanship under normal use. This warranty does not cover misuse, negligent handling, or damage caused by attempted repair, or Optimizer II replacement ring.



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