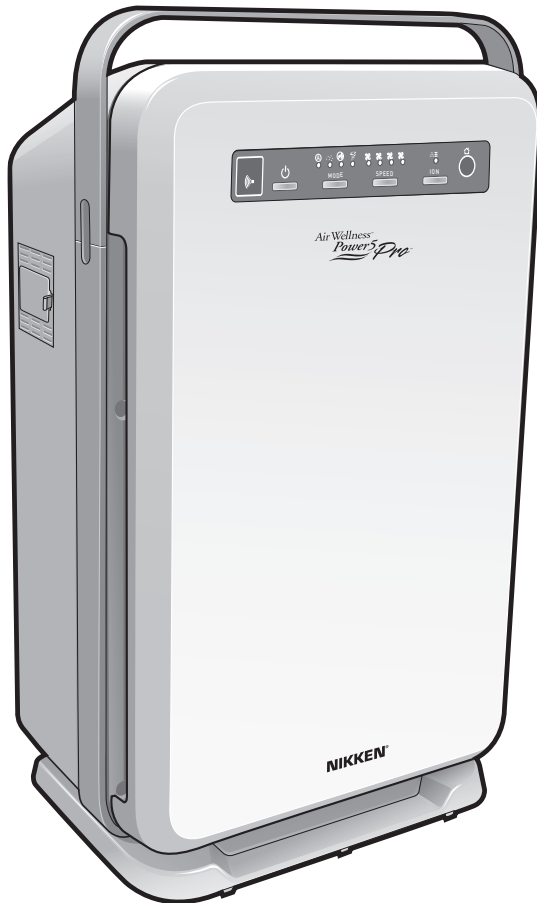


**NIKKEN®** Discover it. Live it.

# Air Wellness™ *Power5™ Pro*



**OWNER MANUAL**

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# GLOSSARY

Terms used in this manual:

**HEPA filter** — High Efficiency Particulate Air filter, a type of extremely efficient filtration that removes or reduces a wide range of airborne contaminants. HEPA filters are widely used in a clinical or laboratory environment.

**Multistage** — Composed of multiple, sequential stages.

**Negative ions** — Molecules that possess a negative electrical charge and are found in the atmosphere under certain conditions, particularly in forests and near waterfalls.

**Ozone** — A form of oxygen that is produced by sunlight in combination with some pollutants, or by electrical equipment. Ozone is classified by the United States Environmental Protection Agency as a toxic gas.

**Particles or particulates** — Minute solids suspended in a liquid or gas (as in air).

## PRODUCT INTRODUCTION

Congratulations on your purchase of a Nikken Air Wellness™ Power5 Pro™ indoor air system. The Nikken Power5 Pro combines a multistage air filter with negative-ion generation and effectively ozone-free operation.

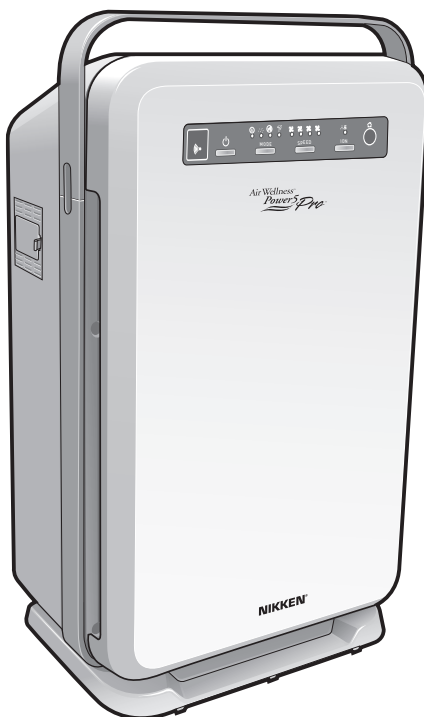
The Power5 Pro features advanced air-filtration technology that reduces contaminants in particle sizes ranging from visible to microscopic. The Power5 Pro is certified by independent testing laboratories to reduce:

- solid particulate matter, including dust
- pollen, pet dander, mold spores and other allergens
- organic and inorganic chemical vapours

Its filtration technology — including a HEPA filter stage — is equal to the systems used in hospital operating rooms, microassembly clean rooms and nuclear laboratories. The Power5 Pro also incorporates a revolutionary filter element that physically breaks down a molecular compound without the use of a light source. This multiple filtration is an extremely effective means of cleaning indoor air.

The Power5 Pro includes clean ion generation, another proprietary technology. Only Nikken has clean ion generation, which produces negative ions without creating harmful ozone.

Patent-pending advanced technology — multistage filtration — HEPA air purity — negative-ion generation — ozone-free operation — and more. The Nikken Power5 Pro offers all these features in one product. Now you can start enjoying the air in your home with every breath, every day.



# SAFETY INFORMATION

**IMPORTANT:** Make sure you read all safety information before using this product. Follow all directions for safety.

## **READ AND SAVE THESE SAFETY INSTRUCTIONS BEFORE USING THIS PRODUCT.**

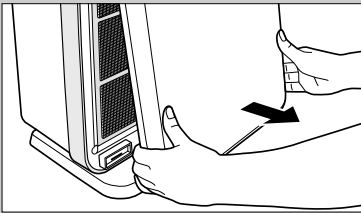
When using electronic appliances, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Read all instructions before operating the Air Wellness™ Power5 Pro™.
2. Inspect filters before first use. If they are enclosed within a wrapper, remove this covering and replace filters in the correct sequence. See page 14.
3. Locate the unit in a place where it will not be knocked over or struck by persons, pets, furniture or doors.
4. The unit must be placed in an upright position.
5. Never place the unit in direct sunlight or near powerful lighting equipment.
6. Always turn the unit off and unplug it from the wall when not in use for a long period of time.
7. To unplug the Power5 Pro, first turn the power off. Grasp the plug and pull it from the wall outlet. Never unplug the unit by pulling on the cord.
8. Do not operate the unit if it has a damaged cord or plug. Do not operate if the unit malfunctions, is dropped or damaged in any manner.
9. Keep the cord away from heat or hot surfaces.
10. Do not use this product outdoors.
11. Never operate this unit unless it is fully assembled. Do not operate without filters in place.
12. Do not attempt to wash and reuse the disposable filter elements.
13. If prefilter is washed, allow to dry completely before reassembling the unit.
14. Do not disassemble internal components. No user-serviceable parts are inside the unit (filter replacement excepted). Disassembly, repair or replacement of internal components may be performed only by qualified technicians.
15. Do not place the power cord under carpet, and do not cover it with throw rugs. Arrange the cord so that it will not be tripped over. Do not place anything on the cord.
16. Disconnect the power supply before servicing and/or cleaning.
17. Place the air purifier near the electric power outlet and avoid using an extension cord.
18. A loose fit between the AC outlet (receptacle) and plug may cause overheating and a distortion of the plug. Contact a qualified electrician to replace a loose or worn outlet.
19. Do not use the Power5 Pro where combustible gases or vapors are present.
20. Do not operate near a kitchen vent.
21. Do not expose the Power5 Pro to rain, or use near water, in a bathroom, laundry area or other damp location.

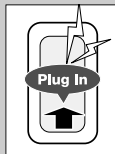
22. Do not allow foreign objects to enter the ventilation or exhaust opening, as this may cause electric shock or damage to the product. Do not block air outlets or intakes. Keep these openings clean as specified in the instructions.
23. Do not sit, stand or place heavy objects on the Power5 Pro.
24. Do not attempt to recharge or disassemble the battery that is supplied with the remote control. Do not discard a used battery by placing it in fire.
25. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
26. Children should be supervised to ensure that they do not play with the appliance.
27. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to prevent a hazard.

## QUICK START GUIDE

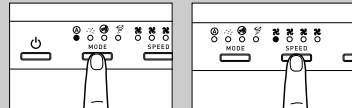
1. Make sure that filters are installed before using the Power5 Pro. If they are enclosed within a wrapper, remove this covering and replace filters in the correct sequence. See page 14.



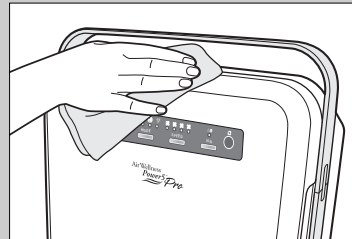
2. Connect the unit to a power source and press power switch.



3. For automatic or manual operation, select the desired mode or fan speed. See page 10.



4. Clean the unit and replace filters at recommended intervals. See page 14.



# COMPONENTS AND CONTROLS

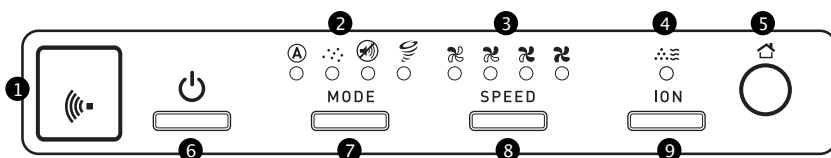
## Power5 Pro unit

1. Lift handle
2. Remote control bay
3. Air outlet
4. Particle sensor
5. Front section magnet clips
6. Air inlet
7. Control/display panel
8. Prefilter/mesh filter
9. Neutralising filter
10. Activated carbon filter
11. HEPA filter



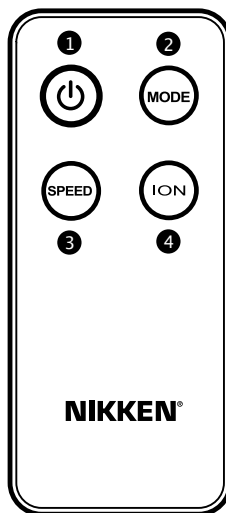
## Control/display panel

1. REMOTE CONTROL SENSOR — receives signals from the handheld remote.
2. MODE DISPLAY — indicates the mode in which the unit is operating.
3. SPEED DISPLAY — indicates the speed at which the unit is operating.
4. NEGATIVE-ION DISPLAY — indicates when the negative-ion generator is active.
5. AIR-QUALITY DISPLAY — indicates the level of airborne contaminants.
6. POWER CONTROL — switches the unit on and off.
7. MODE CONTROL — allows the unit to be set on automatic or selected manually for specific modes such as dust reduction, silent and turbo speed.
8. SPEED CONTROL — allows the fan speed to be selected manually.
9. NEGATIVE-ION CONTROL — switches the negative-ion generator on and off.



## Remote control

1. POWER CONTROL — switches the unit on and off.
2. MODE CONTROL — allows the unit to be set on automatic or selected manually for specific modes.
3. SPEED CONTROL — allows the fan speed to be selected manually.
4. NEGATIVE-ION CONTROL — switches the negative-ion generator on and off.

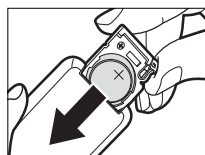
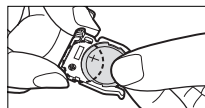
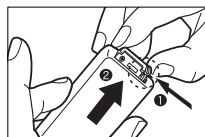


# PREPARATION FOR USE

## Installing remote control battery

A battery (Type CR2025) is supplied with the remote control. This battery must be installed before the remote control can be used.

1. Open the battery access tray in the remote control by pushing the end latch inward (the direction indicated) and sliding the tray out of the remote.
2. Insert the battery in the remote control, making sure that the battery is correctly positioned with the positive terminal touching the positive connector.
3. Replace the battery tray.



Follow the same procedure whenever the battery needs to be replaced. Normal battery life is approximately one year. Replacement batteries may be purchased at most electronics stores.

See caution statements at the front of this manual regarding handling and disposal of the battery.

When using the remote control, operate with front end (signal sender) directed at the Power5 Pro™ unit. The signal from the remote may be blocked if there is an object between the remote and the unit.

## Unit installation

When the Power5 Pro is first unpacked, some of the materials in the unit may produce a slight odour. This is normal and occurs during the manufacturing process. The odour should dissipate after the product has been in use for a few days or weeks, depending on the amount of use.

If the odour persists, clear debris or dust from the filter components and the air outlet vent, using a vacuum cleaner. If odour remains after cleaning, replace the filters.

Before use, remove the protective plastic strip from the front panel display and discard.

If filters are sealed in packaging, follow the procedure described in the maintenance section (page 14) to install them before attempting to operate the unit.

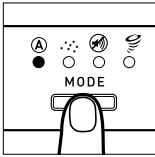
Do not use the Power5 Pro in a room where there is high humidity (over 80%) or extreme temperature change. It is recommended that the Power5 Pro not be used in a room where the temperature is lower than 0°C or exceeds 32°C.

See the safety information for other restrictions regarding use of the Power5 Pro.

## OPERATION

### Selecting mode and speed settings

The MODE button selects the operating mode.



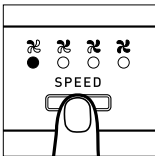
In AUTO the mode will automatically adjust the fan speed up or down based on the condition of the room air as measured by the particle sensor.

**Sleep feature:** In the auto mode, the unit will automatically set to a quiet running speed after the room goes dark and remains darkened for three minutes. When the room lightens, the Power5 Pro will reset to full auto mode after four minutes.

The DUST setting operates the unit at alternating speeds from level 1 (for approximately 30 minutes) to level 3 (approximately 10 minutes) and is suitable for exceptionally dusty conditions.

The SILENT setting maintains a lower fan speed, when quiet operation is desired.

The TURBO setting is the most powerful. It is useful for cleaning the room air as quickly as possible.



The SPEED button adjusts the fan speed manually. Pressing this button will override the mode setting.

To return the unit to operation in one of the selected modes, press the MODE button for the desired result.

### Selecting negative-ion generation

The -ION button activates or turns off the negative-ion generator. The unit can be operated with the ion generator on or off. The ion generator is automatically activated if no selection is made.

## Adjusting the particle sensor

The particle sensor is set at a moderate level of sensitivity. The degree of sensitivity controls the point at which the Power5 Pro (in auto mode) increases or decreases its fan speed in response to room conditions.

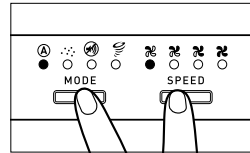
The particle sensor should be readjusted after the Power5 Pro:

- Has been operated continuously for more than two hours in a room with a high level of dust or contamination, or
- Has been operated at its lowest setting for more than one hour, in these conditions.

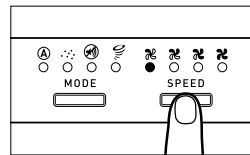
Adjust the particle sensor as follows:

1. Press the POWER button to activate the Power5 Pro.

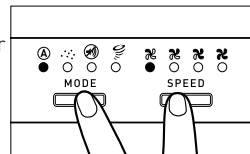
2. Press both the MODE and SPEED buttons and hold, until the air-quality display begins to flash.



3. Use the SPEED button to reset the sensor to the desired level. This is indicated by the numbers in the speed display. The number 1 calibrates the sensor to make it highly sensitive to airborne contaminants. Number 2 is a medium setting, and number 3 is less sensitive.



4. When you have selected the desired number, press both the MODE and SPEED buttons again and hold for three seconds. The sensor is now reset.



## Reading the air-quality display

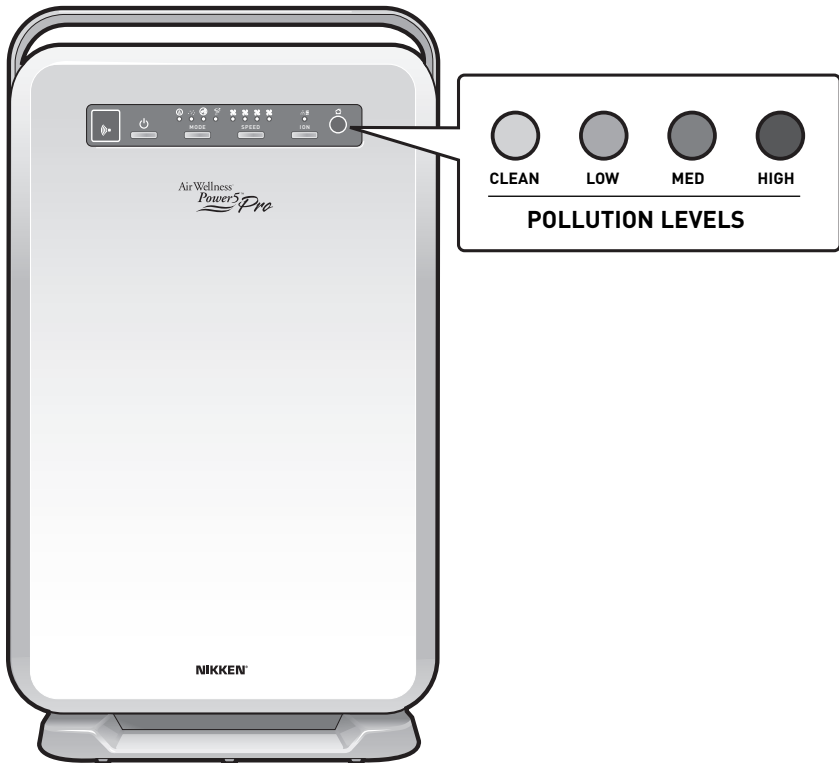
Your Power5 Pro is equipped with an accurate indicator that reveals the level of airborne contamination in its surroundings, when the unit is in operation. The air-quality display uses colour to provide this information.

When the indicator light is a solid, clear blue, the air is relatively free of particulates.

A light violet colour indicates a low to moderate level of airborne contamination.

A darker violet colour is indicative of moderate to high levels of particulates.

A red colour means relatively high levels of dust, allergens or other airborne particles.



# MAINTENANCE

**CAUTION:** When performing any maintenance operation, make sure the Power5 Pro is unplugged.

Never clean the unit by washing. Use a dry or damp cloth to wipe the exterior only. Do not allow water to enter the unit.

Follow the recommended intervals shown below for cleaning and filter replacement. These may need to be performed more frequently, depending on operating conditions.

<b>FILTER</b>	<b>MAINTENANCE CYCLE</b>	<b>CLEAN/REPLACE</b>
Exterior	2-4 weeks	clean
Air inlet and outlet	2 months	clean
Particle sensor	2 months	clean
Prefilter/mesh filter	2 months	clean
Filter elements	6 months	replace if necessary

## Cleaning the exterior

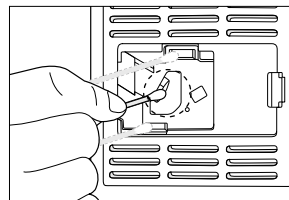
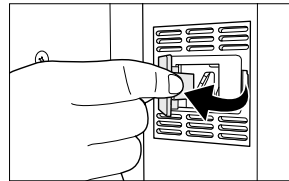
Use a soft, dry or damp cloth to wipe the unit. Do not use solvents, chemical cleaners or a stiff brush.

## Cleaning the air inlet and outlet

Clean the air inlet and outlet with a soft brush.

## Cleaning the particle sensor

1. Locate the particle sensor on side of unit. Clean the inlet and outlet vents with a soft brush or low-pressure vacuum.
2. Press latch to open and remove the particle sensor cover. Use a cotton bud dampened with alcohol to gently wipe the exposed sensor.
3. Use a dry cotton bud to remove remaining alcohol from the sensor. Replace cover.



## Cleaning the prefilter/mesh filter

1. Remove the front panel of the Power5 Pro as described below in the Replacing Filters section. Detach the prefilter/mesh filter as described.

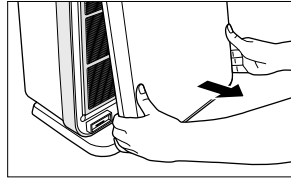
2. Clean the filter by gently vacuuming or by immersion in warm water.
3. If washed, allow the filter to air dry completely before replacing it in the unit.  
Reinsert the filter and reattach the front panel.

## Replacing filters

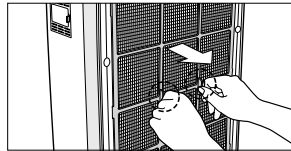
All the filters should be replaced at the same time, at least once every 6 months or more often if required, especially if used in an area with higher than average levels of air pollution.

Do not operate the unit without filters in place.

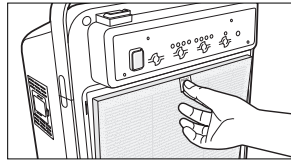
1. Remove the front panel of the unit by placing fingers inside the side air inlets and pulling the panel slightly outward at the bottom. Then lift the panel upward to remove and set aside.



2. The prefilter/mesh filter includes two projecting tabs in the center of the frame. Gently pull these tabs to remove filter. Set the filter aside and retain it for further use.



3. The front of the neutralising filter includes a small pull tab at top or bottom edge. Gently pull this tab to remove the filter.



4. Follow this same procedure to remove the activated carbon and HEPA filter elements. Discard the used neutralising, activated carbon and HEPA filters.
5. Remove the new filter elements from packaging. CAUTION: When inserting the replacement elements, make sure to install in the proper order. If filters are not placed in the correct sequence, operation may cause damage to the unit. First insert the HEPA filter into the back of the filter space. Push the filter all the way into the space, at all corners. Make sure that the front of the HEPA filter (labeled FRONT) is facing toward the front of the unit, and the pull tab is exposed.
6. Follow this same procedure in inserting the activated carbon filter. Next insert the neutralising filter. Make sure that both are placed with the labeled front surface of the filter toward the front, and the pull tab is exposed.

7. Replace the prefilter/mesh filter, with the front side toward the front of the unit. First insert the frame edge tabs along one side. Then flex the frame slightly so that the other side is pointed toward the unit, and insert the edge tabs on that side. Finally, insert the top and bottom tabs. Make sure that all tabs are in place.
8. Replace the front panel by sliding it into place at the top and lowering the bottom magnetic clips against the unit.

All replacement filters are provided as one item: Air Wellness Power5 Pro Replacement Filter Pack, Item# 1439.

### Maintenance check

Check the unit periodically (at least every six months) to make sure the following conditions do not occur:

- Power cord or electric outlet is hot.
- Power cord is damaged.

If these problems are present, discontinue use of the Power5 Pro and consult a qualified electrician.

## TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
<ul style="list-style-type: none"> <li>• Unit will not operate.</li> </ul>	<ul style="list-style-type: none"> <li>• Unit may be unplugged.</li> <li>• Remote control battery may need replacing.</li> <li>• Front panel is not completely closed.</li> </ul>	<ul style="list-style-type: none"> <li>• Check to make sure the unit is plugged in.</li> <li>• Replace battery in remote control.</li> <li>• Make sure the front panel is securely in place.</li> </ul>
<ul style="list-style-type: none"> <li>• Unit is set in automatic mode but runs at a constant speed.</li> </ul>	<ul style="list-style-type: none"> <li>• Significant pollution in air.</li> <li>• Room is dark and auto mode is operating in sleep setting.</li> </ul>	<ul style="list-style-type: none"> <li>• Allow the unit to reduce pollution level, after which it will reset speed.</li> <li>• Switch on room illumination.</li> </ul>
<ul style="list-style-type: none"> <li>• Unit operates at highest (turbo) speed continuously.</li> </ul>	<ul style="list-style-type: none"> <li>• Manual setting is selected for turbo speed.</li> <li>• Particle sensor is clogged.</li> </ul>	<ul style="list-style-type: none"> <li>• Select a different speed setting.</li> <li>• Clean particle sensor.</li> </ul>
<ul style="list-style-type: none"> <li>• Fan speed is very slow.</li> </ul>	<ul style="list-style-type: none"> <li>• Clogged filters.</li> </ul>	<ul style="list-style-type: none"> <li>• Replace filters and clean prefilter.</li> </ul>
<ul style="list-style-type: none"> <li>• The air-quality indicator remains the same colour at all times.</li> </ul>	<ul style="list-style-type: none"> <li>• The air quality level has been excessively high or low.</li> <li>• The particle sensor is dirty.</li> </ul>	<ul style="list-style-type: none"> <li>• Reset the particle sensor adjustment.</li> <li>• Clean the particle sensor.</li> </ul>

# SPECIFICATIONS

**Model:** Nikken® Air Wellness™ Power5 Pro™

**Electric power:** 220-240 volts 50/60 Hz, 38 watts

**Coverage, area\*:** Maximum 36 m<sup>2</sup>

**Air flow\*:** Maximum 5.1 m<sup>3</sup> per minute

**Ozone (ppm)\*:** Less than 0.05 parts per million, per UL 867

**Noise level (turbo):** 47 dB

**Weight:** 6.8 kg

## Dimensions:

Width 34 cm

Height 59 cm

Depth 23 cm

**Accessories:** Full-function remote control

## Features

- Multistage filtration
- Negative-ion generation
- Ozone-free operation
- Low noise level
- Anti-charging material
- Automatic fan control
- Low maintenance
- Lightweight design
- Auto particle sensor
- HEPA filter
- Easy filter replacement

All specifications and features are subject to change without notice.

\* Tested and certified for air quality by the Korean Clean Air Association.

## Warranty

Standard one-year limited warranty from date of purchase.

Under warranty, Nikken will repair any defects in materials or workmanship. Nikken retains the option to either repair or replace this product with a new or fully warranted, reconditioned unit, or refund part or all of the purchase price of the product, on a prorated basis.



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