



WAS-2200 / WAS-3400 AIR SCRUBBER



OPERATING MANUAL

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

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PLEASE READ THIS MANUAL CAREFULLY FOR SAFE USE

- Thank you for purchasing the Weltem Portable Air scrubber.
- Please read this manual carefully for user's safety and to prevent material damage.
- Keep this manual in a place easy to find by people who use the product.
- The appearance, specifications and etc. of the product may be changed without prior notice to improve product quality.

SAFETY PRECAUTIONS

The safety precautions indicated below are intended to prevent unexpected danger or damage in advance by using the product safely and correctly.

Please read and understand the manual carefully.

 Danger	This danger sign warns you of serious injury or death expected when violating the safety rules or instructions.
 Warning	This warning sign warns you of serious injury or death expected when violating the safety rules or instructions.
 Caution	This caution sign warns you of injury or product damage expected when violating the safety rules or instructions.

This product should not be used by persons with limited physical, sensory or mental abilities, or by persons with limited experience and knowledge, such as children, without proper supervision or instruction.



1. This product should not be used by persons with limited physical, sensory or mental abilities, or by persons with limited experience and knowledge, such as children, without proper supervision or instruction.
2. Do not install on uneven or sloping floors. After installing the product, fix the brakes on the caster to prevent them from moving.
3. Do not install it in a place exposed to water or rainwater or in a humid place. Insulation may be damaged, resulting in electric shock or fire.
4. Do not install in direct sunlight or places with hot air balloons. It may cause electric shock, fire or product malfunction.
5. This product is for 220V only. Be sure to check the voltage supplied before use.
6. When cleaning or replacing the filter, unplug the power plug from the outlet.
7. When using a multi-outlet, do not use multiple devices at the same time. Abnormal overheating of the outlet may cause fire. The breaker may trip and turn off the power.
8. Do not touch the power plug with wet hands. It may cause electric shock or injury.
9. Do not disassemble, repair, or remodel other than a repair technician at the service center. It may cause electric shock, injury or fire.
10. This Product can generate ozon caused by ionizer.
11. Please ventilate when you use it for a long time. Do not place objects such as coffee, beverages, or vases on the upper part of the product. It may cause fire or electric shock.
12. A risk of fire, electric shock, or injury to persons associated with use of the appliance as described in Section 82
13. Installation as described in Section 83
14. User servicing as described in Section 84
15. Read and save these instructions

**Caution**

1. When moving the product, do not push or drag it at an angle.
The product may fall over and cause injury.
When transporting the product, use at least two people to carry it safely.
2. Do not use the product for ventilation purposes.
The life of the product will be shortened.
3. Do not place obstacles around the inlet or outlet of the product.
(The product cannot perform its best.)
4. Do not operate the product with wet hands. It may cause electric shock.
5. Do not use the product lying down. It may damage the product or cause incorrect operation..

PRODUCT COMPONENTS



[WAS 2200 model]

User manual

※ The appearance or components of the product may differ depending on the model.



[WAS 3400 model]

PRODUCT SPECIFICATION

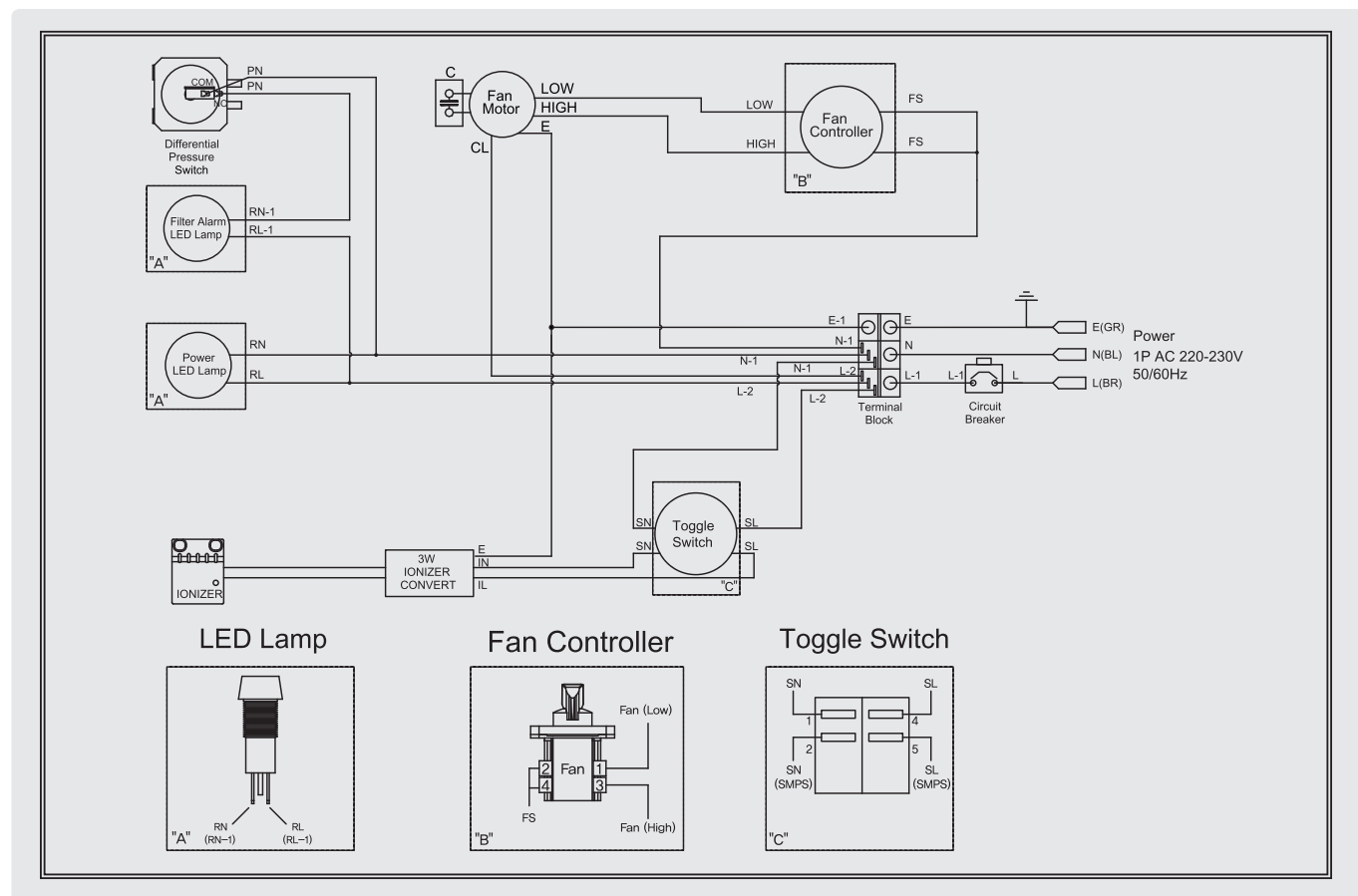
MODEL NAME	WAS 2200	WAS 3400
Rated power	230V / 50Hz	230V / 50Hz
Powerconsumption	0.22 kW	0.47 kW
CFM	1300	2000
Weight	58 kg	75 kg
Dimension (WxDxH)mm	647x792x756	727x878x840

❖ Power consumption and rated current (35°C RH40%)

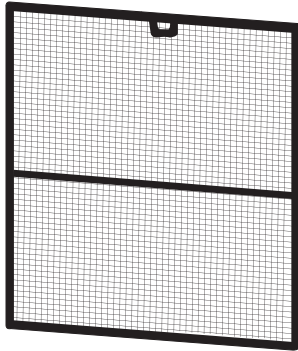
❖ The appearance and specifications of the product may be changed without prior notice to improve product quality.

SCHEMATIC

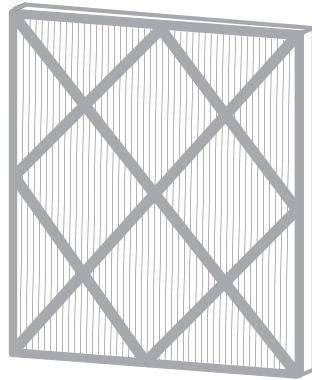
WAS 2200 / WAS 3400 CIRCUIT DIAGRAM



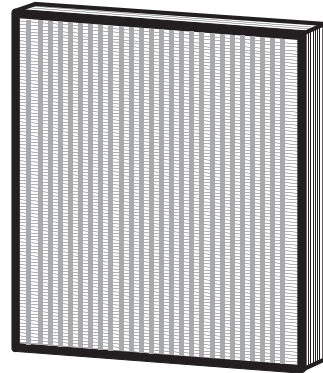
FILTER



chloride filter



Pre-filter

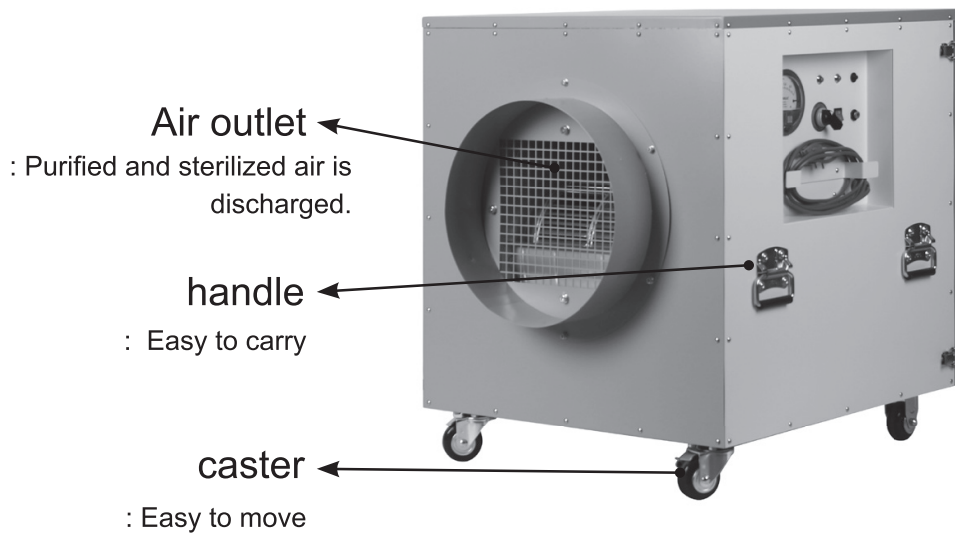
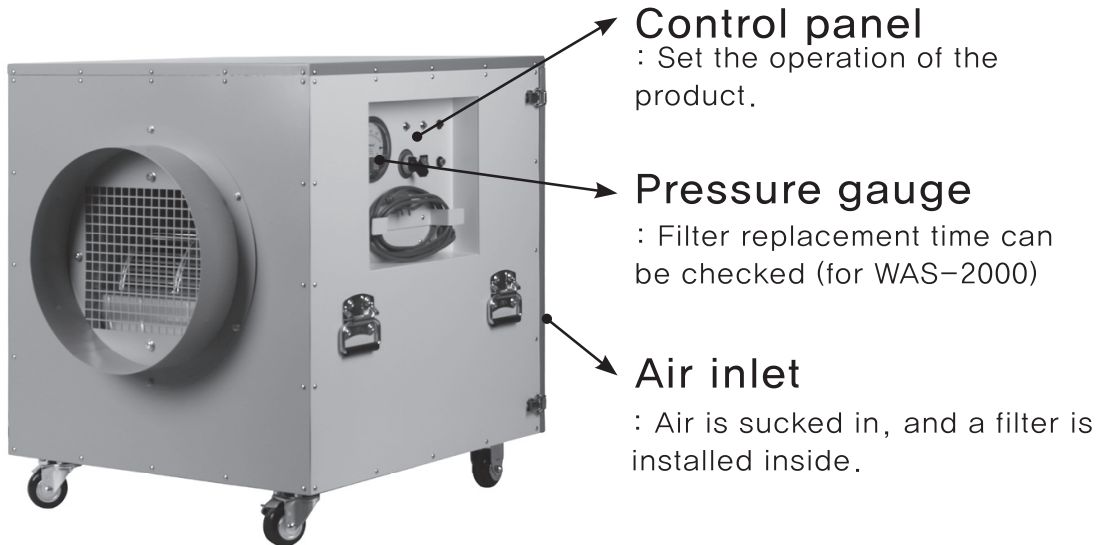


HEPA filter

1. Chloride filter
 - First, it removes large dust particles in the air.
 - Please take it apart and clean it periodically.
 - It can be washed with water.
2. Pre-filter
 - Removes fine dust.
 - It can collect about 90% of grade 3.0~10nm dust.
 - It cannot be washed with water.
3. HEPA filter
 - Removes ultra-fine dust.
 - H13 grade, 0.3nm dust can be collected up to 99.97%.
 - It cannot be washed with water.

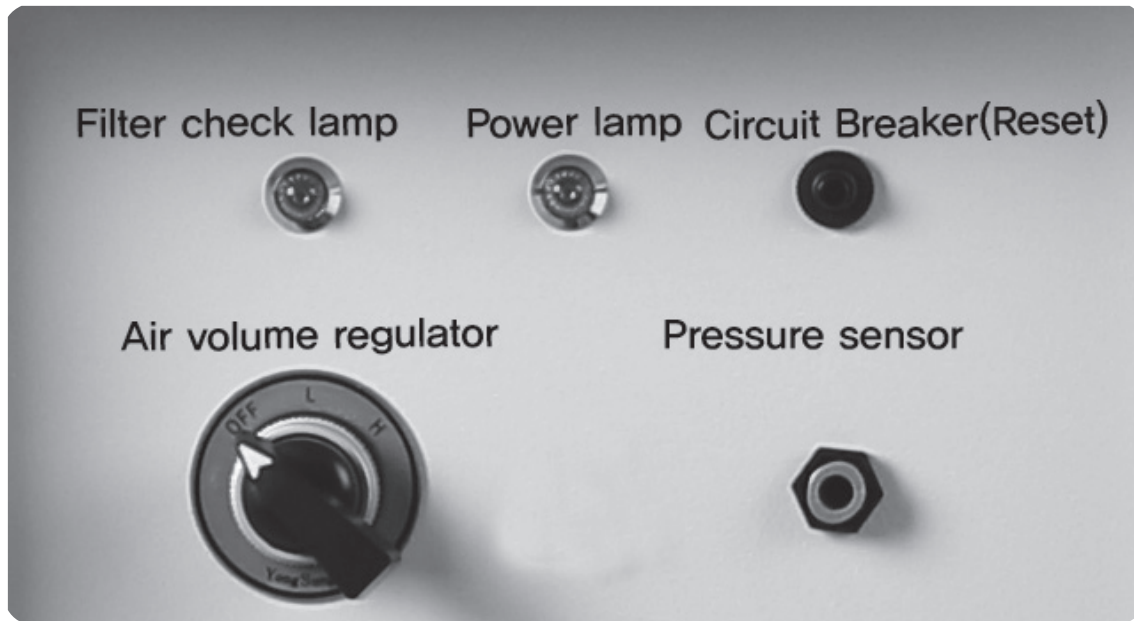
PRODUCT PART NAME

WAS 2200 / WAS 3400 MODEL



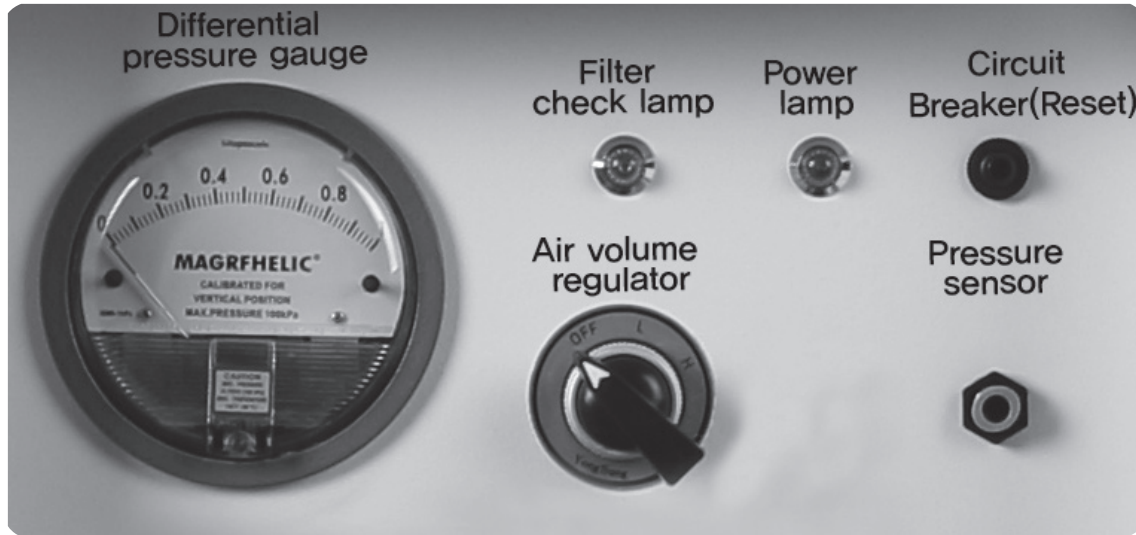
CONTROL PANEL NAME

WAS 2200 CONTROL PANEL NAME



1. Filter check lamp : Lights up when the air flow of the filter is not smooth.
2. Power lamp
: It is possible to check whether power is applied.(Lights up when power is applied)
3. Circuit Breaker(Reset) When overcurrent (over 10A) flows, the power is cut off. After resolving the cause, press the button to operate normally.
4. Air volume regulator
: The fan can be turned on and off, and the air volume can be continuously adjusted to suit the location. (H: High, L:Low)
5. Pressure sensor
: It is a passage that detects the pressure difference between inside and outside.

WAS 3400 CONTROL PANEL NAME



1. Differential pressure gauge : By checking the pressure, you can check when to replace the filter. When the scale is 0.15kPa or more, replace the filter.
2. Filter check lamp : Lights up when the air flow of the filter is not smooth.
3. Power lamp
: It is possible to check whether power is applied.(Lights up when power is applied)
4. Circuit Breaker(Reset) : When overcurrent (over 10A) flows, the power is cut off. After resolving the cause, press the button to operate normally.
5. Air volume regulator
: The fan can be turned on and off, and the air volume can be continuously adjusted to suit the location. (H: High, L:Low)
6. Pressure sensor
: It is a passage that detects the pressure difference between inside and outside.

THINGS TO CHECK BEFORE REPORTING A MALFUNCTION

SYMPTOM	CAUSE	SOLUTION
Can't drive at all.	Is the power plug unplugged?	Be sure to plug it into an outlet.
	Is the power lamp not lit?	Electricity is not being supplied through the outlet. Please check the power supply.
	Is the circuit breaker tripped?	An overcurrent has flowed and has been shut off. After resolving the cause, click the Reset button.
Low air volume and low noise.	Are there any obstructions blocking the air flow?	Remove obstacles to facilitate airflow.
	Is the filter dusty or dead?	Please clean and replace the filter.
Dust flows out of the outlet.	Are the filters installed in the opposite direction?	Check the direction on the side of the pre-filter and HEPA filter and install it correctly.
	Is the filter damaged?	Please replace the filter.
The filter check lamp lights up.	Is about 80% of the filter area not stuck?	Please clean and replace the filter..

FILTER REPLACEMENT METHOD

WAS 2200 / WAS 3400 MODEL

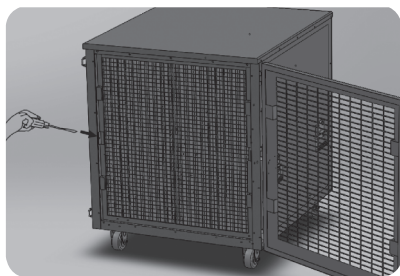
1. Loosen the filter case fixing screw using a tool.



2. Pull the filter case and remove it.



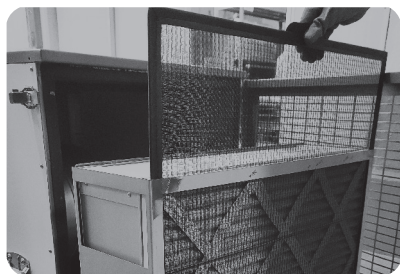
3. Loosen the filter case fixing screw using a tool.



4. Pull the filter case and remove it.



5. Separate the chloride filter → pre-filter → HEPA filter.



6. After replacing the filter, put the three types of filters together in the filter case. Then assemble in the reverse order of disassembly.



LIMITED WARRANTY

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