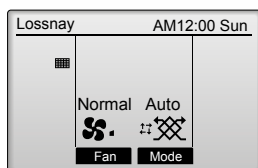





FILTER CLEANING VL-250/350/500

Remove dust and dirt on air filters at regular intervals in order to prevent a deterioration in the functions.

Clean it at least once every 6 months.



 will appear on the «Main display» when the filter needs to be cleaned. Factory default setting is 6 months.

WARNING

Make sure to turn off the isolator before cleaning and maintenance.

Failure to heed this warning may result in electric shock or injury.

CAUTION

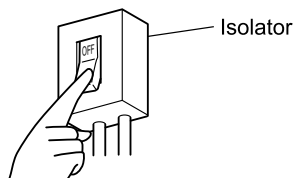
Wear gloves during cleaning and maintenance.

Failure to wear gloves may result in injury.

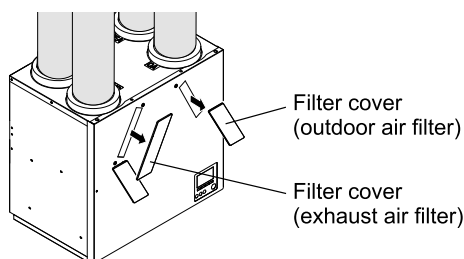
During cleaning and maintenance, do not climb on an unstable stand.

Injury may result if you tumble down.

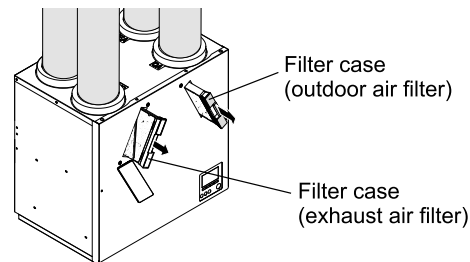
- 1) Turn off the isolator on the power board before removing filters.



- 2) Remove the filter cover (outdoor air filter and exhaust air filter).



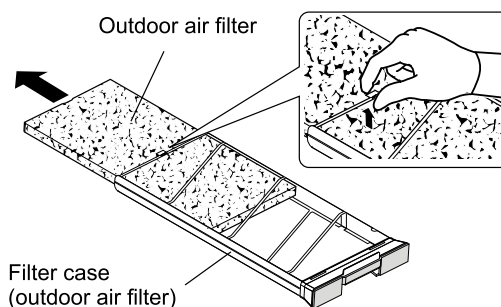
- 3) Gently draw out the outdoor air filter case and the exhaust air filter case.



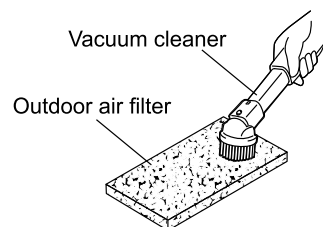
CAUTION

When removing the outdoor air filter case and exhaust filter case, dew condensation water that has built up indoors sometimes drips. So, remove the filter cases gently by supporting them with both hands so that they are not tilted.

- 4) Remove the air filters from the outdoor air filter case and the exhaust air filter case.



- 5) Remove the dust with a vacuum cleaner.



When the filter is heavily soiled, press and wash the filter with cold or warm water (40 °C or less), and then air-dry the filter.

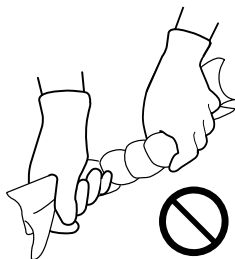
Complete Filter replacement for standard filters are 2 years / 4th maintenance cycle.

While for the High efficiency filter that are used on OA section on every 1 year/2nd maintenance cycle.

Note

- Do not wash the filter as below, otherwise it can be distorted.

- Do not wash the filter with hot water.
- Do not wash the filter by rubbing or scrubbing.
- Do not squeeze or twist the filter.



- When a filter is damaged or it has been washed with water about four times, replace with the Replacement Filter (sold separately).
- After replacing the filters, dispose of the used outdoor air filters and exhaust air filters for in accordance with disposal methods designated in the region where you live.

Outdoor air filters and exhaust air filters are made of PET and acrylic fibers.

How to replace filters (sold separately)

Remove the outdoor air filters or exhaust air filters, and install new filters (sold separately).

Note

- Make sure to install filters in the filter case before installing the filter case on the product.
- Do not mix up outdoor air filters and exhaust air filters.

Assembling and checking after cleaning and maintenance

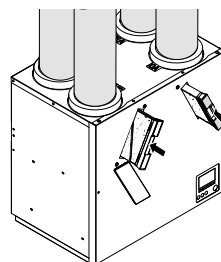


CAUTION

Securely install parts after cleaning and maintenance.

Injury could result if parts fall.
The filters' catch efficiency drops.

1. Install the filter on the filter case by following the disassembly procedure in reverse.
 - Make sure that the filter is not protruded from the filter case.



2. Install the outdoor air filter case and then install the filter cover.
3. Install the exhaust air filter case and then install the filter cover.
4. When you have finished assembling all, turn on the isolater and check followings,
 - Check for emission of abnormal noise.
 - Check for normal air flow.
 - Check for air leakage from the installation section of the outdoor air filter case or exhaust air filter case.
5. Reset the filter cleaning sign.
 - For details on how to reset the filter cleaning sign, see section 5. *Filter information*.

Note

- In some operating environments, dew condensation water or snow/mist water droplets may adhere to the filters. This, however, is not a problem in product performance or quality.
- Do not forget to install the filters inside the product. (Doing so results in dirt clogging the surface of the heat exchanger or a drop in air volume.)
- Use an optional dust catch filter (Standard filter, Medium filter, PM2.5 filter (sold separately)) to suit your specific application if you are worried about small insects getting inside or small dirt or dust particles.

Care of the controller

To remove dirt from the controller's display, wipe with a cloth to which detergent has been applied: and then wipe with a dry cloth to remove any remaining detergent.

Do not use the following solvents. (They will change the quality and color.)

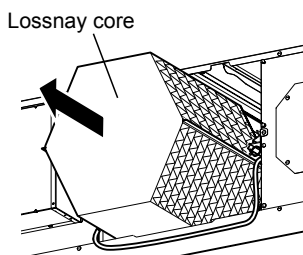
Paint thinner, alcohol, benzene, gasoline, kerosene, spray cleaner, cleaning alkali, etc.



LOSSNAY CORE CLEANING

Clean/wash the Core on every 2 years / 4th maintenance cycle if found dirty

Hold the handle and draw the Lossnay cores out from the unit. When pulling out the Lossnay cores, be sure the motor cable not to be hooked. Otherwise, it might damage the motor, PCB and Lossnay cores.

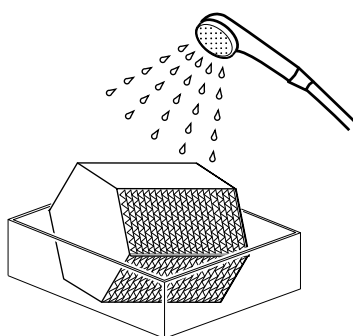
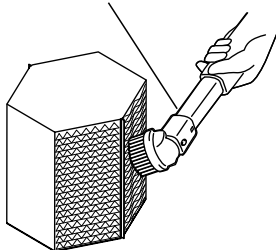


⚠ CAUTION

- Do not forcibly pull out the Lossnay cores while the motor lead is hooked. The lead may be disconnected.

1. Use a vacuum cleaner to suck up the dust and dirt on the exposed surfaces of the Lossnay cores.
2. Put the Lossnay core in a suitable vessel (e. g. a small tub or the shower tray) and rinse the Lossnay core with clear water from all sides.
3. Carefully clean the air inlets and housing thoroughly with a broad soft brush.
4. Rinse the Lossnay core from all sides thoroughly with clear water.
5. Lift the Lossnay core from the vessel and remove the remaining water inside the Lossnay core by rotating the Lossnay core repeatedly.
6. Dry the Lossnay core with a dry cloth and put it back into the ventilation unit. Operate the unit at least one day for drying inside the core.

Vacuum cleaner (with brush attachment)



⚠ CAUTION

- Do not use the hard nozzle of the vacuum cleaner. It may damage the exposed surfaces of the Lossnay cores.
- Do not wash with detergent or disinfect with solution. It may damage the Lossnay cores.

Clean the drain siphon and Back stopper to ensure they are not clogged on 2 yearly/4th maintenance cycle basis.

For more information please contact our Technical Support Team on 0800 737 842