Panasonic®

Energy Recovery Ventilator Filter Replacement Instructions

Applicable Energy Recovery Ventilator model No.	Outdoor Filter
FV-15ZY1	FV-FP15ZY1
FV-25ZY1	FV-FP25ZY1
FV-35ZY1	FV-FP35ZY1
FV-50ZY1	FV-FP50ZY1
FV-65ZY1	FV-FP65ZY1
FV-80ZY1	FV-FP80ZY1
FV-1KZY1	FV-FP1KZY1

■Before replacing filters, please read the maintenance instructions for the Energy Recovery Ventilator.

⚠ WARNING

Please shut off the all-pole switch before maintenance.

Otherwise, it may cause electric shock and injury.

⚠ CAUTION

Please wear gloves during maintenance.

The incisions of sheet metal and resin parts, as well as bulges and sharp corners of the product, may cause injury.

Please pay attention to the identifier of the filter when cleaning or replacing the filter.

Otherwise, the purification efficiency may decrease.

■ About the service life of the filter

	Replacement
Outdoor filter	About once every four to six months
RA filter	

Notice

1. The service life of filter is set based on the operation of 10 hours every day.
2. The air volume and purification efficiency may decrease depending on the operating environment and time. When cleaning the outdoor filters, if you observe that the side to which the arrows of the outdoor filters point become black, please replace the outdoor filters in time.
3. If the product is used in an excellent environment and the concentration of particles with diameter below 2.5 μm is lower than 50 μg/m^3, the deviation of test data may be large due to the accuracy of the test instrument, leading to the decrease of the purification efficiency calculated based on the above test data.
4. If the energy recovery ventilator is used for a long time, the outdoor filters of the energy recovery ventilator will be blocked by dirt and dust, which will cause the decrease of the air exchange volume and air exchange effect, leading to louder noise. Please clean the outdoor filters regularly according to the amount of dirt and dust attached to the filters.
5. If the product is used in a harsh environment (dusty area), the air volume and purification efficiency of the product may decrease drastically. To maintain the performance of the product, please increase the frequency of cleaning or replacing the outdoor filter appropriately.
6. The replacement standard is evaluated according to the independent benchmark of the company. The actual operating environment may be different.
7. The test instrument used by the company is TSI 8530.
8. Protect your eyes when cleaning or replacing the filter. Otherwise, dust attached on the filter may enter your eyes. If necessary wear eye protection.

Method for replacing filters

① Loosen the butterfly bolts that secure the inspection cover. (Figure 1)

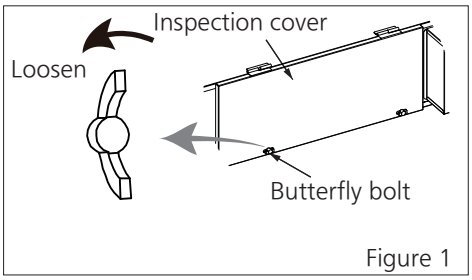

Figure 1

② Rotate the inspection cover along the direction indicated by arrow "A". Then slide and remove the inspection cover along the direction indicated by arrow "B". (Figure 2)

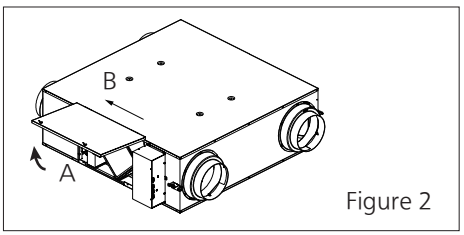

Figure 2

③ Remove two (one set) outdoor filters (Figure 3) along the direction indicated by arrow "C". The RA filters can be cleaned at the same time if needed.

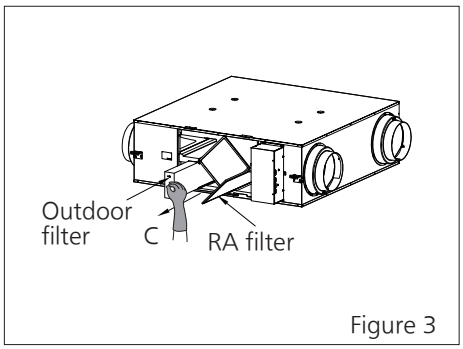

Figure 3

④ Please insert the new outdoor filters into the energy recovery ventilator along the guide rail. (Figure 4)

※The arrow should point to the heat exchange core.

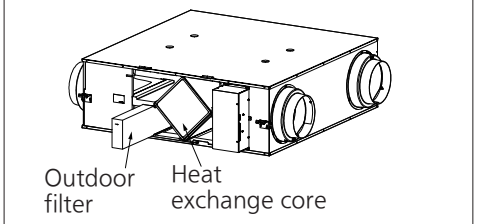

Figure 4

⑤ Fix the inspection cover by reversing the steps.

⚠ CAUTION

Please pay attention to the installation directions of the filters.Improper installation may reduce the purification efficiency.

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