



ADVANCED HIGH EFFICIENCY FILTER FOR MITSUBISHI ENERGY RECOVERY VENTILATOR LOSSNAY

Model:

PZ-250TPF-E

Operating Instructions





For the user

The Advanced High Efficiency Filter is designed for commercial use Lossnay ventilators to collect small particles present in outdoor air supplied into the room. It can be replaced with one already mounted in Lossnay unit.

- For applicable models and quantities required, refer to the separate delivery specifications, products brochure, etc.
- Please read through these instructions to understand the proper and safe procedures for operating the Lossnay. After reading these operating instructions, keep it in an easily accessible and safe place for future reference.

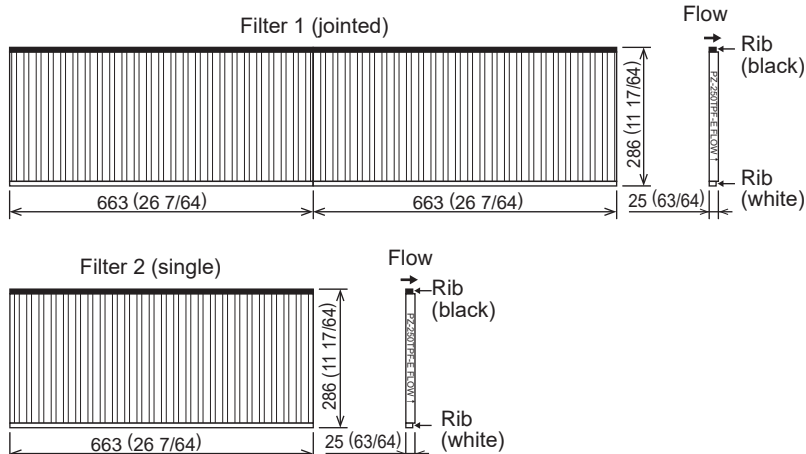
Safety precautions

The following symbols denote the danger and its degree that may result from incorrect use.

 WARNING	Denotes misuse that could cause serious injury or death.	 CAUTION	Denotes misuse that could cause injury or damage to properties.	
 Prohibited	<ul style="list-style-type: none"> ● Always turn off the Lossnay ventilator before installing or replacing the filter. Failure to heed this warning may result in electric shock or injury. 			
		 Important	<ul style="list-style-type: none"> ● Wear gloves when installing the filter. Otherwise, edges may cause injury. ● The filter contains a small amount of glass fiber. If you have any of the following problems, please respond as described and see a doctor if necessary. <ul style="list-style-type: none"> • In case of inhalation of large quantities of product dust (eg glass or synthetic fibers), immediately remove to fresh air and wash out of mouth. • If product dust adheres to the skin, wash it away with running water immediately. • If product dust enters your eyes, rinse immediately with running water. Remove contact lenses immediately. • If swallowing product dust, spit it out and rinse mouth thoroughly with water immediately. 	

Outline drawings and Materials

Unit: mm (in)



Filter medium: VR-352030GSF

Materials are shown below, please dispose properly according to the laws of each country.

Frame: Cellulose, Acrylic Copolymer, PET

Filter: Synthetic fiber (PP, PET, Glass, Pulp, PVA, Acrylic resin, PE)

■ Applicable model

Model	Number of filters per set		Applicable Lossnay model
	Filter 1 (jointed)	Filter 2 (single)	
PZ-250TPF-E	1	1	LGH-160RVXT3-E LGH-200RVXT3-E LGH-250RVXT3-E TLGHF0940RVXT02A TLGHF1200RVXT02A TLGHF1500RVXT02A LGH-F940RVXT2-E LGH-F1200RVXT2-E LGH-F1500RVXT2-E

Filtration specification

ASHRAE 52.2-2017: MERV16

ISO16890-2016: ePM₁ 75%, ePM_{2.5} 80%, ePM₁₀ 95%, GB/T 14295-2008: YG class, 99.7%

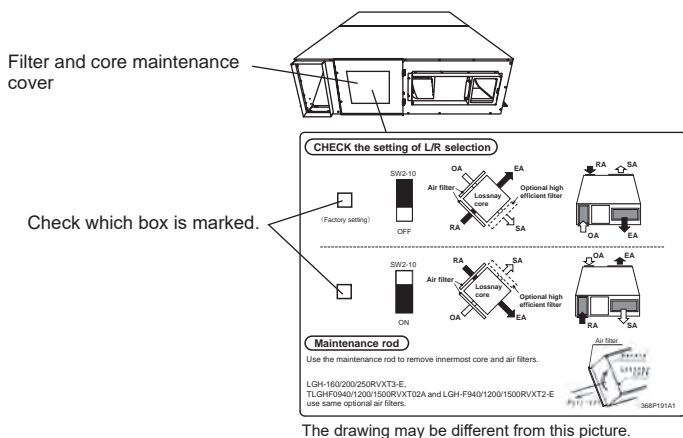
* Filtration specification are results of tests conducted by third-party and are not a guaranteed value.

* Filter grades are tested at the highest velocity at fan speed 4 in the all applicable models.

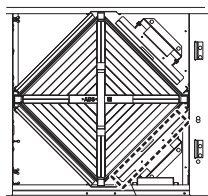
Replacing (Installation)

1. Check the setting of LR selection

PZ-250TPF-E is intended to be installed in the supply air side.
Before the installation, checking supply air path, because applicable Lossnay units can change air path by DIP SW setting.
You can see by checking the maintenance cover name plate or directly DIP SW2-10.



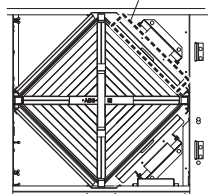
■ If there is a mark in the check box at the top. (This means L/R switching OFF.)



Insertion area for PZ-250TPF-E

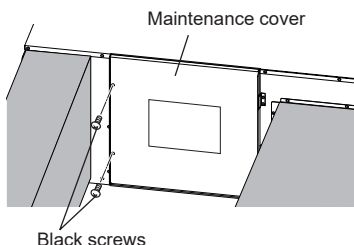
■ If there is a mark in the check box at the bottom. (This means L/R switching ON.)

Insertion area for PZ-250TPF-E



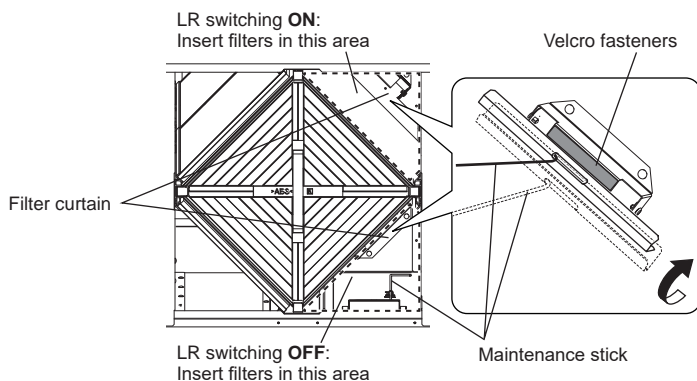
2. Remove the maintenance cover.

- 1) Remove the two black screws.
- 2) Open the maintenance cover.



3. Installation of PZ-250TPF-E

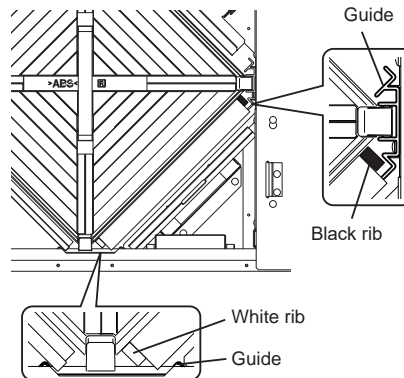
Put up the "filter curtain" by maintenance stick.
Insert them to the empty space besides Lossnay core of supply air side in the order of filter 1 (jointed) and filter 2 (single).
When PZ-250TPF-E is already installed, replace it to new one.
To draw the back side filters (filter 1) out from the unit, use the maintenance stick.



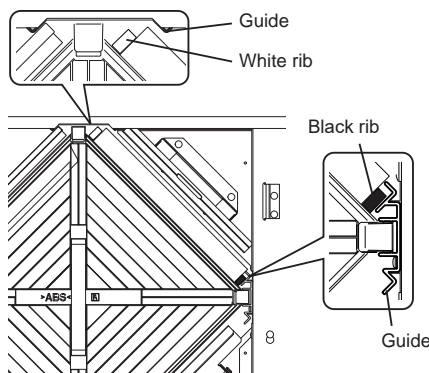
Note

- According to the air path selected by L/R switching function, replace the filter in the correct position
- Make sure the filter curtain is securely fastened with Velcro fasteners on the each surface.
Otherwise, the filter may be damaged due to interference with the filter curtain.
- Insert the filter along the guide to meet the air direction of marking "AIR FLOW ↑" on the filter.
- Align the position each rib (black, white) as shown below.

■ L/R switching OFF.



■ L/R switching ON.



Note

- When replacing an Advanced high efficiency filter, always clean (or replace) the pre filters built in the Lossnay unit.

4. Install the maintenance cover by reversing the removal sequence shown in "2".

Note

- This filter is a disposable filter and not cleanable/washable. Please replace to new one when clogging. The following table shows the approximate replacement time when the daily operation time is 10 hours and the annual operation days are 250 days. This is the calculation result on each air condition, so please adjust the replacement cycle considering the air environment in the area where the product is actually installed and operating time and day.

	Dust concentration (μg/m ³)		Replacement period
	PM2.5	PM10	
Air condition 1	18.5	28.5	24 months
Air condition 2	35.0	65.0	12 months
Air condition 3	100.0	225.0	4 months

We recommend to enter the date of the start of use of filters in the below table for the next replacement.

Filter name	Date of start of use

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