

Energy Recovery Ventilators

Maintenance Manual

ENGLISH

Ventilateurs d'échange de
chaleur
Manuel d'entretien

FRANÇAIS

Energiegewinnungs
Ventilatoren
Wartungshandbuch

DEUTSCH

Ventilatori a recupero
energetico
Manuale di manutenzione

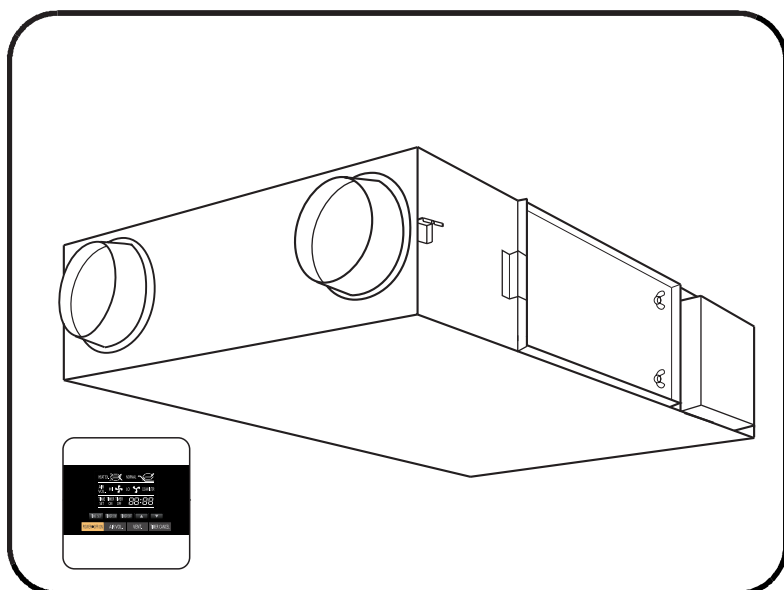
ITALIANO

Ventiladores con recuperación
de energía
Manual de mantenimiento

ESPAÑOL

Ventiladores de permutação de
calor
Manual de manutenção

PORTUGUÊS



Model No.
N° de modèle
Modell-Nr.
Modello N.
Modelo N.º
N° do modelo

UTZ-BD025C

UTZ-BD035C

UTZ-BD050C

UTZ-BD080C

UTZ-BD100C

Installation manual is attached separately
Le manuel d'installation est joint séparément.
Installationsanleitung ist gesondert beigelegt
Il manuale di installazione è allegato separatamente.
El Manual de instalación se adjunta por separado.
O manual de instalação é fornecido em separado.

CONTENTS

Cautions on Safety.....2

Model Installation 3

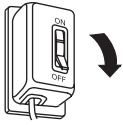
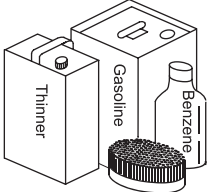
Maintenance Method.....4–7

Cautions on Safety Never Fail to Observe

- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Make sure to disconnect the power plug before cleaning the product.

Cautions for Maintenance

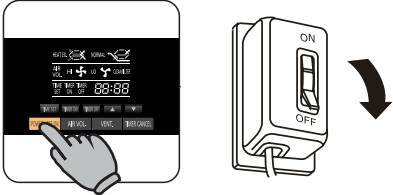
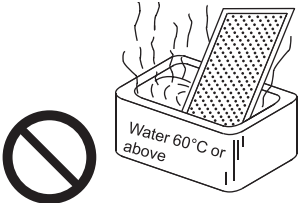
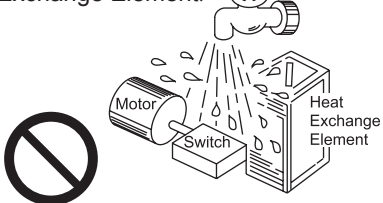
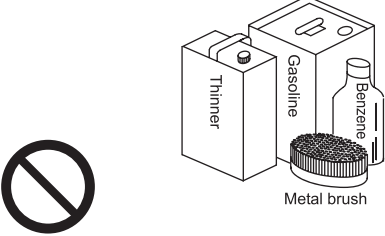
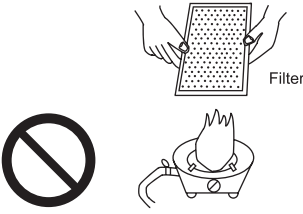
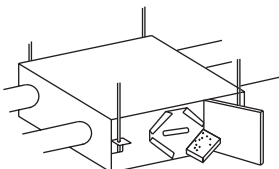
It must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

 WARNING	 CAUTION		
■ When the system is checked and the power cable undergoes maintenance, stop the operation, and switch the exclusive circuit breaker "OFF".   The internal fan is revolving at high speeds and can cause serious injury. And when using a stepladder, etc., make sure to fix it properly.	■ Don't use benzene or metal brush when cleaning the filter and heat exchange element.   Otherwise, the unit will get unfit for use.	■ The filter should be cleaned regularly.  Dust or dirt building-up on it can lead to a lack of oxygen in the room.	■ Use gloves when cleaning the filter or heat exchange element.  Doing so will reduce any possibility of injury.

Model Installation

In order to prevent the reduced effectiveness of your Energy Recovery Ventilator, be sure to clean dirt and dust from the filter and Heat Exchange Element at regular intervals.

Caution

Be sure to turn the power off, and to switch the exclusive breaker off before carrying out maintenance activities. 	Do not immerse the filter or other resin components in water 60°C or above. 	Never use water on the motor, the Energy Recovery Ventilator Remocon, or the Heat Exchange Element. 
Do not use the following items for cleaning. 	Avoid using heat to dry the filter, as it may cause changes in shape or quality. 	Always be sure to use a filter. Failure to do so may cause dust and dirt to build up on the heat exchange element, lowering its efficiency and rendering it inoperable. 

Model No. UTZ-BD025C/UTZ-BD035C/UTZ-BD050C

- Stop the operation and switch the exclusive breaker "OFF".
- Cleaning the filter (When required)
 - 1) Enter the ceiling from the Inspection Opening for the Heat Energy Recovery, and remove the screw on the inspection cover.
 - 2) Holding the Inspection Cover, turn two pieces of knob for 90° and remove the cover.
 - 3) There is a filter below the Heat Exchange Element at two places, respectively. Pull it toward you.
 - 4) Either lightly strike the removed filter with your hand or vacuum it with a vacuum cleaner to remove the dirt. If it is very dirty, swish it back and forth in a solution of lukewarm water and dish-washing (neutral) detergent.
 - 5) Install the filter after thoroughly allowing it to dry naturally.

Caution

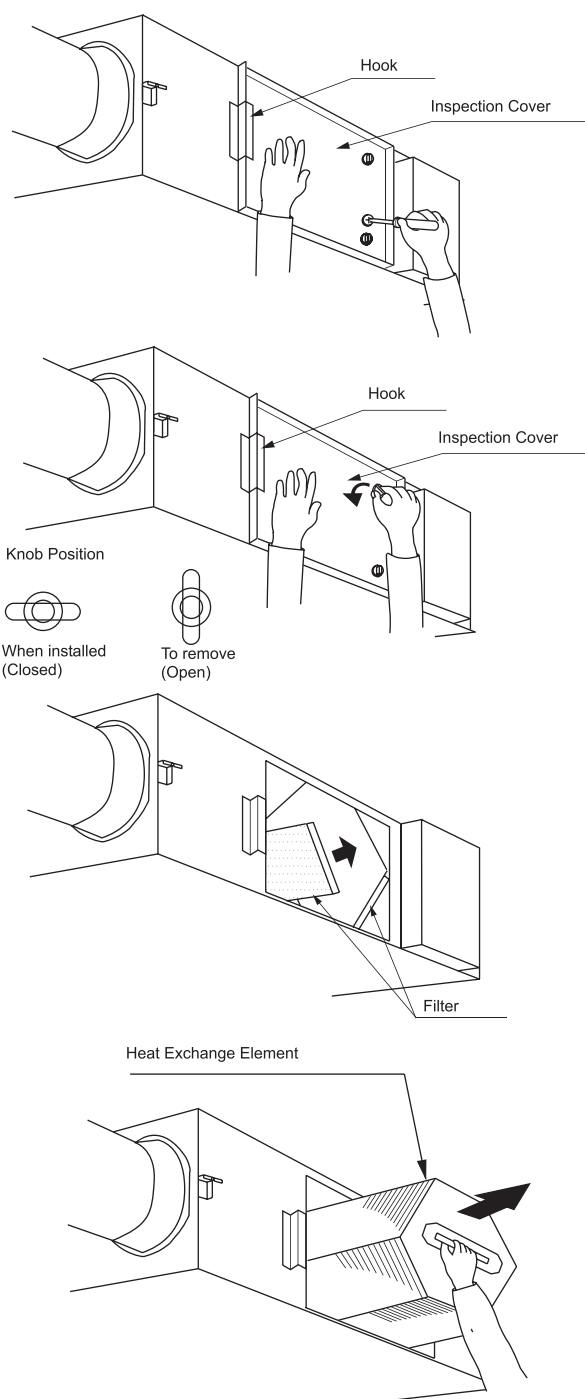
Avoid using heat to dry the filter, as this may cause changes in the shape or quality of the filter.

- Whenever the filter was damaged, order the sales shop or the engineering office. (Separately sold)
- Cleaning the Heat Exchange Element (If you find it too much stained, clean it.)
 - 1) Remove the filters.
 - 2) Remove the two Heat Exchange Elements from the unit. (Model No. UTZ-BD025C has one Heat Exchange Element.)

Caution

- The weight of the Heat Exchange Element is as shown in the table below.
Hold it firmly to ensure that you do not drop it.

Model No.	Weight (kg /piece)	Pieces to be used
UTZ-BD025C	4.6	1
UTZ-BD035C	3.3	2
UTZ-BD050C	3.8	2



Maintenance Method (continued)

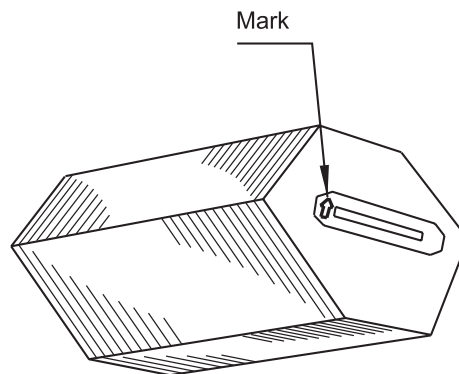
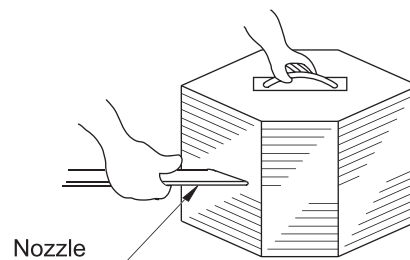
- 3) Use a vacuum cleaner to remove dust and dirt from the element's surface.

Caution

- Clean by lightly pressing the vacuum cleaner nozzle against the exterior.
Avoid using a hard nozzle as it may disfigure the heat exchange foils.
 - Never use water to clean the Heat Exchange Element.
- Whenever the Heat Exchange Element is damaged, order the sales shop or the engineering office. (Separately sold)
- 4) When cleaning is completed, return the Heat Exchange Element and filter to their original positions, and close the Inspection cover and tighten the screw.

Caution

- Make sure to install the filter with the stamp “熱交換素子側” facing the Heat Exchange Element.
(“熱交換素子側” means “Heat Exchange Element side”)
Failure to do so will lead to clogging of the heat exchange foils and reduced performance.
- Insert the heat exchange element right side up, with the label marked ↑ facing toward you.



Model No. UTZ-BD080C/UTZ-BD100C

- Stop the operation and switch the exclusive breaker "OFF".
- Cleaning the filter (When required)
 - 1) Enter the ceiling from the Inspection Opening for the Heat Energy Recovery, and remove the screw on the inspection cover.
 - 2) Holding the Inspection Cover, turn two pieces of knob for 90° and remove the cover.
 - 3) There is a filter at two places, respectively. Pull it toward you.
 - 4) Either lightly strike the removed filter with your hand or vacuum it with a vacuum cleaner to remove the dirt. If it is very dirty, swish it back and forth in a solution of lukewarm water and dish-washing (neutral) detergent.
 - 5) Install the filter after thoroughly allowing it to dry naturally. (Install them to fit well with the grooved rail)

Caution

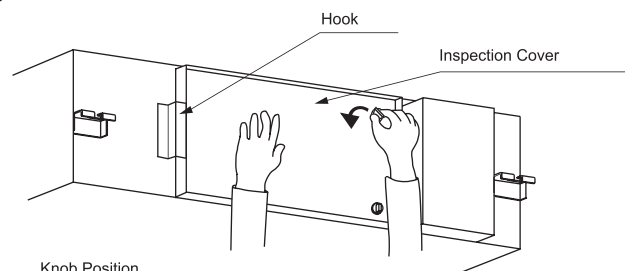
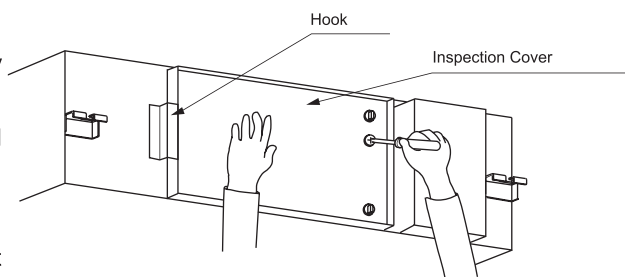
Avoid using heat to dry the filter, as this may cause changes in the shape or quality of the filter.

- Whenever the filter was damaged, order the sales shop or the engineering office. (Separately sold)
- Cleaning the Heat Exchange Element. (If you find it too much stained, clean it.)
 - 1) Remove the three Heat Exchange Elements from the unit. (Model No. UTZ-BD100C has four Heat Exchange Elements.)

Caution

- The weight of the Heat Exchange Element is as shown in the table below.
Hold it firmly to ensure that you do not drop it.

Model No.	Weight (kg /piece)	Pieces to be used
UTZ-BD080C	3.7	3
UTZ-BD100C	3.7	4



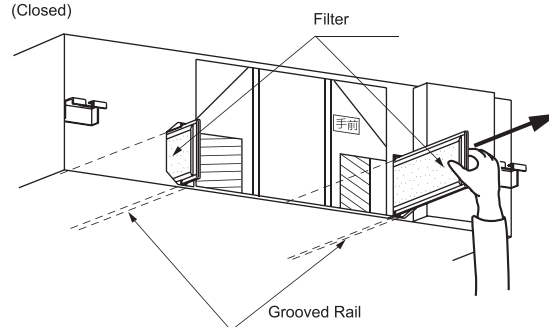
Knob Position



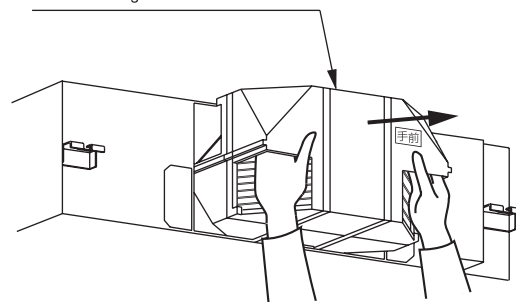
When installed (Closed)



To remove (Open)



Heat Exchange Element



Maintenance Method (continued)

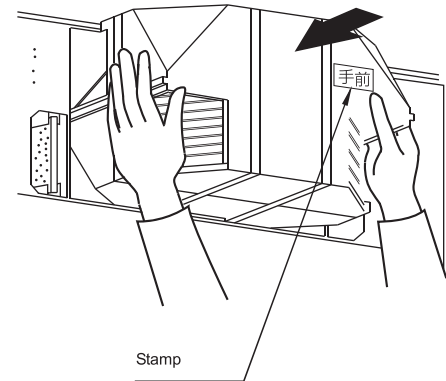
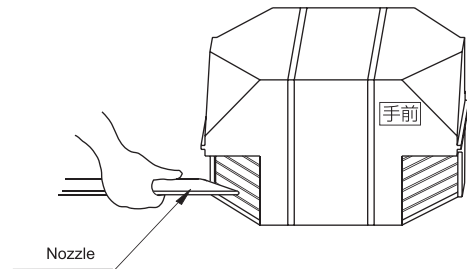
- 2) Use a vacuum cleaner to remove dust and dirt from the element's surface.

Caution

- Clean by lightly pressing the vacuum cleaner nozzle against the exterior.
Avoid using a hard nozzle as it may disfigure the heat exchange foils.
 - Never use water to clean the Heat Exchange Element.
- Whenever the Heat Exchange Element is damaged, order the sales shop or the engineering office. (Separately sold)
- 3) When cleaning is completed, return the Heat Exchange Element and filter to their original positions, and close the Inspection cover and tighten the screw.

Caution

- Make sure to install the filter with the stamp “熱交換素子側” facing the Heat Exchange Element.
(“熱交換素子側” means “Heat Exchange Element side”)
Failure to do so will lead to clogging of the heat exchange foils and reduced performance.
- Please insert so that the stamp “手前” to be toward you.
(In Japanese “手前” means “Front”.)



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