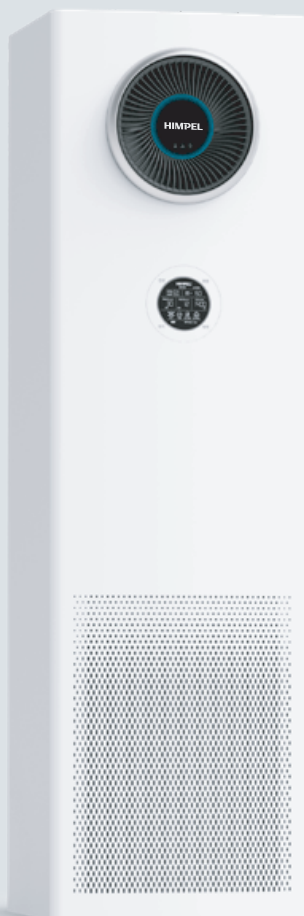


HIMPEL



HueVen S User Manual

※ Type : Stand type ventilation system ※ Model : HRD2-400EGS

- Images and contents of this manual may change without notice to improve product performance.
- Make sure to read [Safety Precautions] before use to ensure proper use.

Product Features

Himpel ventilation system automatically measures indoor air quality to create a better indoor environment. It creates a clean indoor space by discharging indoor air pollutants (carbon dioxide, fine dust, harmful substances, etc.) outside and purifying outdoor air with a filter.



Ventilation Mode

It is the function that discharges indoor air pollutants outside and draws in outdoor air cleaned with a filter.



Auto Mode

It is the function that automatically cleans indoor air in Ventilation Mode according to indoor air pollution level.



Air Purification Mode

It is the function purifies fine particulates in indoor air and recirculates clean air indoors on days with severe dust and particulate matter.



Bypass Mode

It is the function that draws in clean air into the room by purifying outdoor air with a filter and without heat exchange when the outdoor temperature is similar to indoor temperature during spring and autumn.



Energy Saving

By recovering discharged cooling/heating energy during ventilation, cooling/heating costs can be reduced by 20% or more compared to regular ventilation.



High-performance Filter System

H13 rated HEPA filter removes particulate matter and harmful substances.



High-efficiency BLDC Motor

Incorporation of a high-efficiency BLDC motor the burden of electricity bills even if the product is used for 24 hours.

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* Make sure to read the following before using the product to ensure proper use.



Warnings during Installation

*Failing to comply with the instructions may lead to user injury.

01

This product is designed for the Korean market.

Use AC 220V~240V/50Hz,60Hz

Using different voltage can cause product failure, electric shock or fire.

04

Make sure to install a circuit breaker and dedicated switch.

There is risk of fire and electric shock.

07

Have the product be installed by a professional with required certifications including an electrical license.

There is a risk of explosion, fire, electric shock and injury. Request installation by

02

Connect the product to a power outlet with circuit breaker rated 220V~240V/15mA or below.

There is risk of fire and electric shock.

05

Install the product at a location with a solid foundation capable of supporting the weight of the product.

There is risk of injury due to the product falling.

08

Do not install the product near the electric heater, fire source, flammable gases or flammable substances.

There is risk of explosion and fire.

03

Do not extend the power cord or connect it to a multi-outlet with other devices.

There is risk of fire and electric shock.

06

Do not allow a non-certified individual to disassemble, repair or modify the product.

There is risk of fire, electric shock, short circuit and injury.

09

To relocate or reinstall the product, contact the Customer Service Center.

There is risk of fire, electric shock, short circuit and injury.



Precautions during Installation

*Failure to follow instructions may result in injury or property damage.

01

Do not install the product at a location with high dust accumulation.

It can cause a short circuit inside the product, resulting in fire or failure.

04

Make sure to turn off the power when installing, repairing or servicing the product, and do not connect the power without the product being assembled.

There is risk of short circuit and electrocution.

07

If the power cable is damaged, contact the customer service center and request a replacement.

There is risk of fire and electrocution.

02

Do not disassemble, repair or modify the product.

There is risk of fire and electrocution.

05

Do not install the product near a heater, combustible gas or flammable substance.

There is risk of fire and electrocution.

08

All parts necessary for installation must be original and rated parts.

It can cause performance degradation.

03

Turn off the power when thunder or lightning strikes or when the product is not used for an extended period of time.

There is risk of fire and electric shock.

06

Do not engage in acts which can damage the product, such as keeping the power cable close to the high temperature source, pulling it too hard or placing a heavy object on top.

There is risk of fire and electrocution.

※ Make sure to read the following before using the product to ensure proper use.



Warnings during Installation

*Failing to comply with the instructions may lead to user injury.

01

If water or foreign substances enter the electrical parts of the product, turn off the power and contact the Customer Service Center.

There is risk of short circuit and electric shock.

02

If the product generates abnormal sounds, smell or smoke, immediately turn off the power and contact the Customer Service Center.

There is risk of fire and electric shock.

03

Make sure to turn off the power when replacing the filter and inspecting the product, and do not use an unstable pedestal.

There is risk of fire, electric shock and injury.

04

Do not use the product as ventilator for switch type heaters.

Make sure to use dedicated ventilation when using heaters, such as gas or oil

05

Store plastic packaging out of children's reach or promptly dispose them.

There is risk of suffocation by blocking one's nose or mouth due to the act of wearing it on one's head.

06

Do not apply excessive force or impact on, or pull the product.

There is risk of fire, failure and injury.

07

Make sure children cannot take the battery and swallow it by storing it out of their reach.

If a child swallows the battery, immediately seek medical attention.

08

Do not allow individuals (including children) who lack the physical or mental ability, or who lack the experience and knowledge to safely operate the product without supervision or instructions.

The product cannot be used safely without supervision or instruction from a guardian.

09

Do not block the air intake and exhaust vents with fingers or by inserting foreign substances.

There is risk of failure and injury.



Precautions during Installation

*Failure to follow instructions may result in injury or property damage.

01

Do not spray water directly on the product, or clean it with benzene, thinner, alcohol, acetone, chemicals, etc.

There is risk of fire, deformation and discoloration.

02

Do not bend or fold heat exchanger element and filter during replacement.

There is risk of damage and poor assembly.

03

Do not clean the heat exchanger element and filter with water. Replace them regularly.

Accumulated dust can cause fire, performance issues and noise.

04

Do not place items around the inlet or outlet of the product.

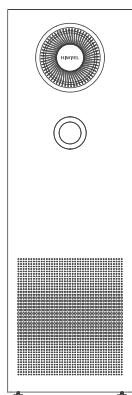
There is risk of failure and injury.

05

Turn off the product before cleaning, and begin cleaning after the fan completely stops.

There is risk of failure and injury.

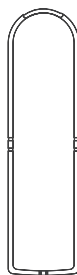
1 Product Structure



Main body



Remote controller
(Optional)



Remote controller
Holder



Holder
double-sided tape



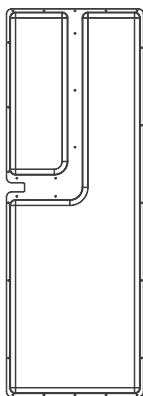
Lithium Battery
(CR 2025)

2 Installation Materials

* Components may vary depending on the installation site.



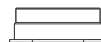
Euro bracket 1 hole/2 hole
(Optional)



Finishing ring
(2EA)



Air stopper
exterior cap (2EA)



Flange
(2EA)



Flexible duct(3M)



Pieces
(2 types)



External Euro
bracket
connecting piece



Falling prevention
bracket (2EA)



Suspension
band (4EA)



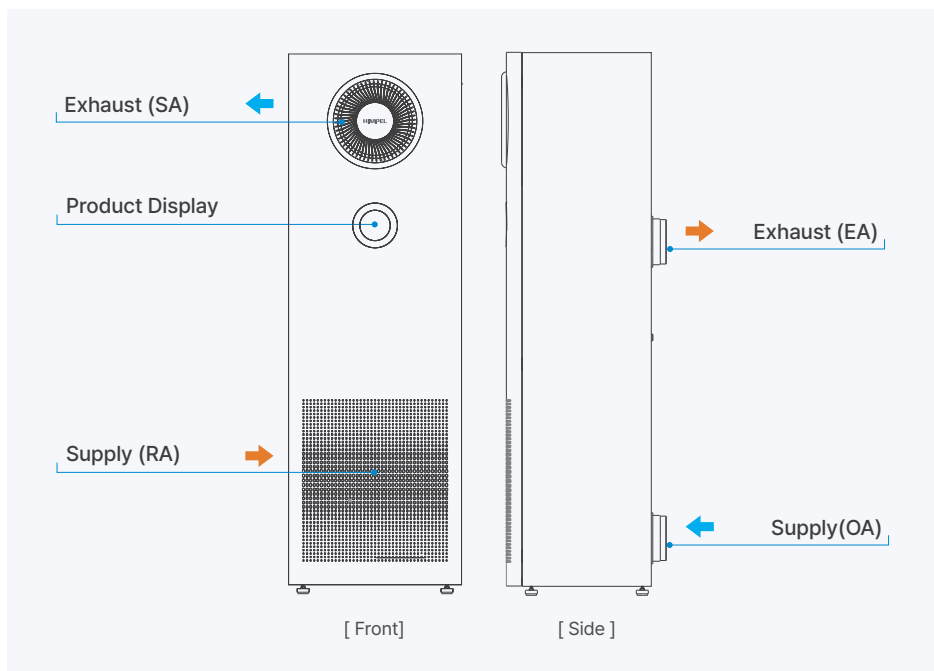
Power cord
(1EA)



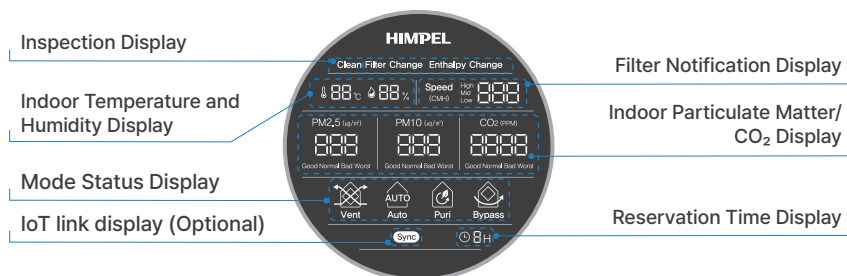
User Manual
(1 copy)

※ The following is names of major parts of the product.

1 Product Name

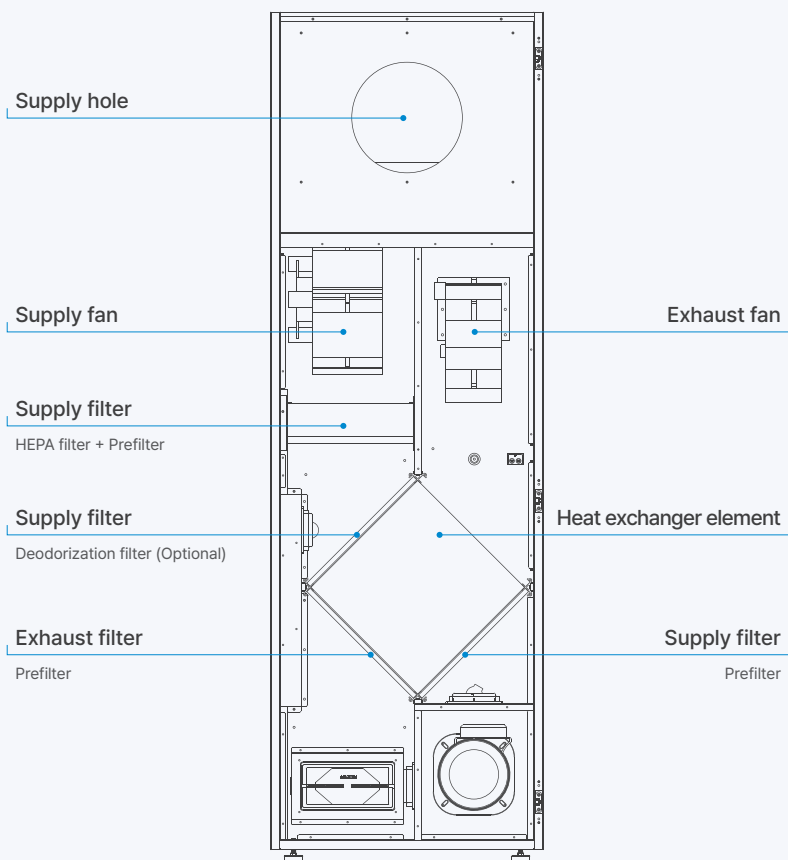


2 Product Display



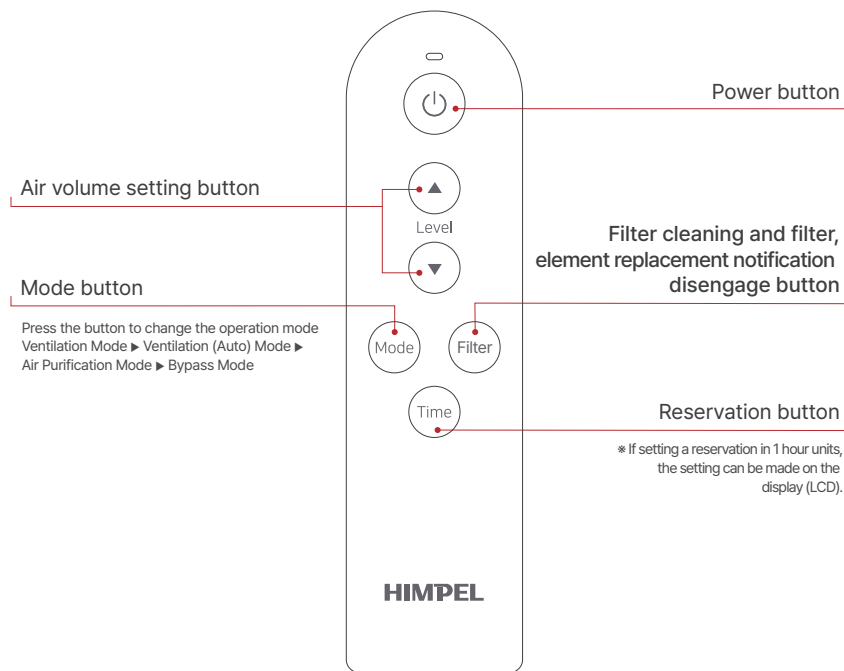
※ The following is names of major parts of the product.

3 Product Interior



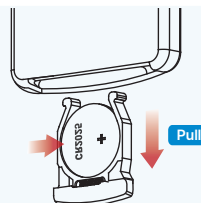
※ The following is names of major parts of the product.

4 Remote Controller (Optional)



! Remote Controller Battery Replacement

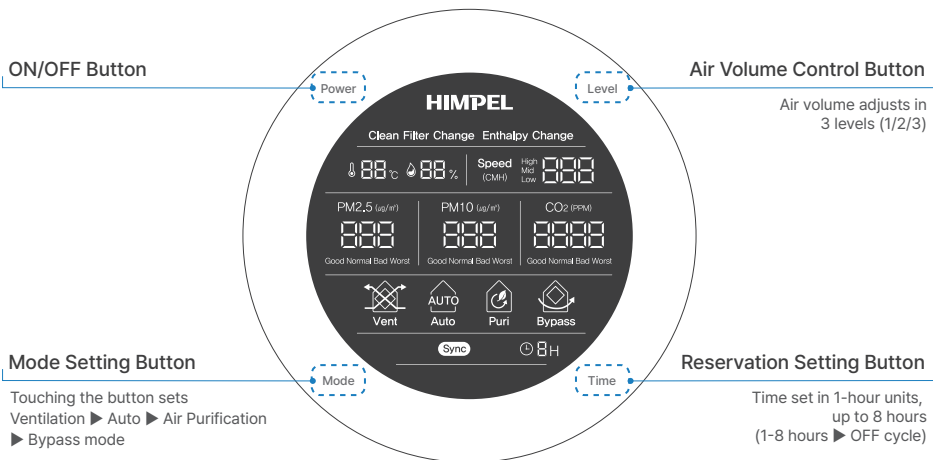
1. Pull the battery cover downwards from the back of the remote controller to open it.
2. Insert the battery according to the polarity as shown.
3. Push in the battery cover until it makes a click sound.



* Be sure to turn on the power to operate the product.

5 Buttons

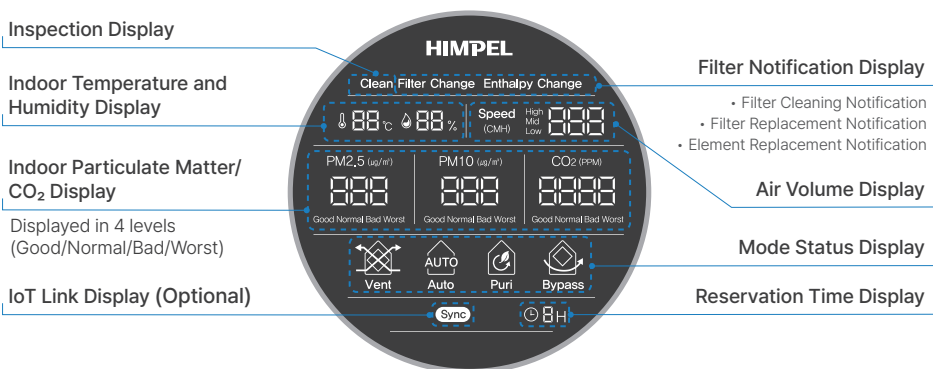
* Wired remote controller display layout may vary according to product specification.



* Filter Cleaning/Replacement Notification removal: With the product set to OFF, press and hold the [Mode] button for more than 3 seconds.

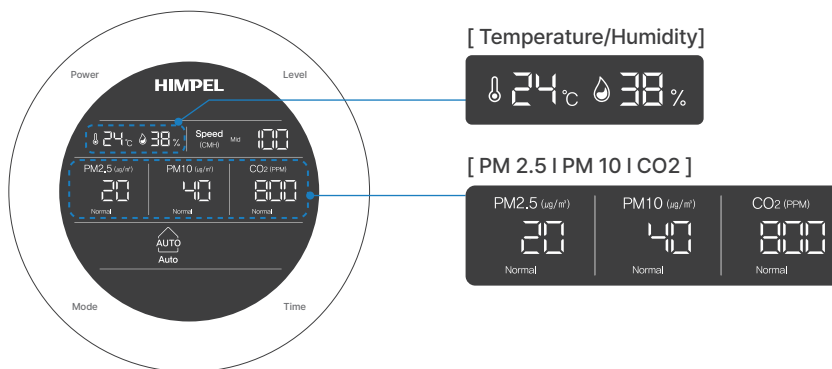
6 LCD Display

* Energy saving mode turns off the display when no input is made for a certain period of time.



1 Indoor Air Quality Check

Indoor air quality measured in real-time can be checked.



2 Indoor Air Quality Criteria

Type	Good	Normal	Bad	Worst
CO ₂ (PPM)	0 ~ 700	701 ~ 1,000	1,000 ~ 1,500	1,501 or higher
PM 10 (μm / m³)	0 ~ 30	31 ~ 80	81 ~ 150	151 or higher
PM 2.5 (μm / m³)	0 ~ 15	16 ~ 35	36 ~ 75	76 or higher

* Note: PM10 and PM2.5 Criteria - Integrated Air Quality Index

* The indoor air quality displayed on the LCD may differ slightly depending on the installation location and environment.

3 Auto Mode according to Indoor Air Quality

In Auto Mode, the operation mode changes according to the indoor air quality.

CO ₂	PM2.5 PM10	Good	Normal	Bad	Worst
Good		Stop	Ventilation / (Lv1)	Ventilation / (Lv2)	Ventilation / (Lv3)
Normal		Ventilation / (Lv1)	Ventilation / (Lv1)	Ventilation / (Lv2)	Ventilation / (Lv3)
Bad		Ventilation / (Lv2)	Ventilation / (Lv2)	Ventilation / (Lv2)	Ventilation / (Lv3)
Worst		Ventilation / (Lv3)	Ventilation / (Lv3)	Ventilation / (Lv3)	Ventilation / (Lv3)

* If CO₂ and particulate matter values are both "Good," operation stops.

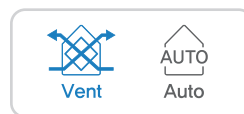
* The remote controller sensor varies depending on the remote controller, and the Auto Mode operation may vary accordingly.

※ Make sure to read the following before use to ensure proper operation.

1 Ventilation Mode

1. Press the [**Mode**] button of the display window to start Ventilation Mode.

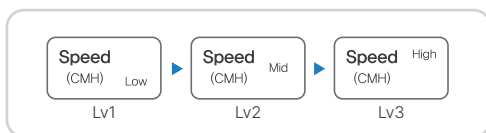
- Ventilation Mode icon is displayed on the remote controller LCD display.
- Ventilation Mode initially starts with [Lv1] air volume setting.



[Ventilation Mode Display]

2. Press the appropriate [**Level**] button on each display window to set the desired air volume.

- The air volume setting can be set in the order of : Lv1 ▶ Lv2 ▶ Lv3

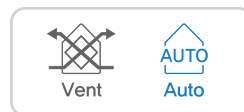


3. Press the [**Mode**] button on the display window to set the operation mode in the order of Ventilation Mode ▶ Ventilation (Auto) Mode ▶ Air Purification Mode ▶ Bypass Mode.

2 Auto (Ventilation) Mode

1. Press the [**Mode**] button of the Ventilation (Auto) Mode and select Auto Mode.

- **Auto Mode** icon is displayed on the remote controller LCD display.
- Air volume setting is unavailable in Auto (Ventilation) Mode.



[Auto Mode Display]

2. To disable auto mode, press the [**Mode**] button on the product display.

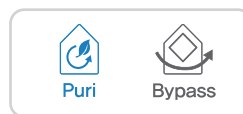
※ Auto (Ventilation) Mode Details

- 1) Air volume is set automatically according to the indoor air quality.
- 2) Models without carbon dioxide (CO₂) and particulate matter sensors repeat operation consisting of 20-minute "Lv1" air volume operation and 40-minute standby.

※ Make sure to read the following before use to ensure proper operation.

3 Air Purification Mode

1. Press the [Mode] button on the display window and select Air Purification Mode.
 - Air Purification icon is displayed on the remote controller LCD display.
2. To cancel Air Purification Mode, press the [Mode] button on the display window.



[Air Purification Mode Display]

4 Bypass Mode

1. Press the [Mode] button of the display window and select Bypass Mode.
 - Bypass icon is displayed on the remote controller LCD display.
 - Bypass Mode only operates in air volume [Lv1] setting.
2. To cancel Bypass Mode, press the [Mode] button on the display window.



[Bypass Mode Display]

5 Reservation Time Setting

1. Press the [Timer] button on the display window to set the reservation time.
 - 1) Reservation indicator and wind volume indicator on the product LCD display turn on.
 - 2) Reservation time is set in the order of 1h ▶ 2h ▶ 3h ▶ OFF.
 - 3) Timer function automatically shuts down the product after the set time.



[Reservation 1H]

※ Reservation Setting/Cancel

- Setting : Press the [^] button to start the cancelled reservation setting.
- Canceling : Press the [v] button fully to cancel the reservation setting.
- ※ Pressing the [Timer] button on the RS2 Remote Controller will set 1h ▶ 2h ▶ 3h ▶ OFF.

* Reservation setting is available in all modes except for Auto Mode.

* Regularly clean the filter to prevent performance issues in the ventilation system.

! Filter Cleaning & Replacement Interval

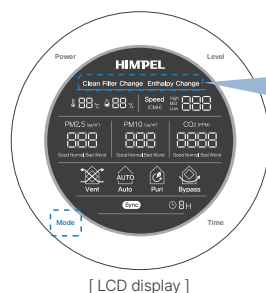
* Cleaning and replacement intervals of the filter and heat exchanger element may vary depending on the environment and management.

Type	Cleaning Interval	Replacement Interval
SA, EA Pre-filter	About 2,000 hours (about 3 months)	About 4,000 hours (about 5 months)
Hepa-filter	-	60%~70% filter contamination (about 3 ~ 6 months)
Enthalpy exchanger	-	About 20,000 hours (about 2 years 3 months)

* Based on 24-hour operation per day

! Filter Notification & Notification Removal

* Remove the filter notification after filter cleaning and replacement.



[LCD display]

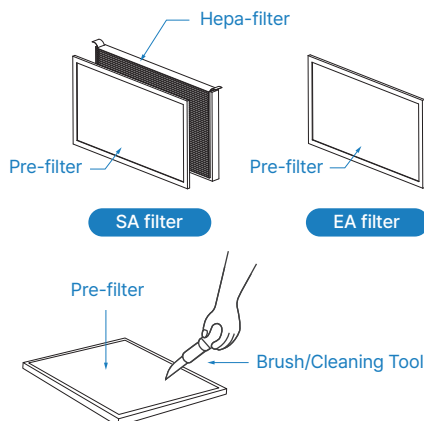
If [Filter Cleaning & Filter/Element Replacement] notification is displayed, remove the notification through the following.

[Filter Notification Display Removal]

• With the product set to OFF, press and hold the [Mode] button for more than 3 seconds.

! Filter Cleaning

* Cleaning and replacement intervals of the filter and heat exchanger element may vary depending on the environment and management.



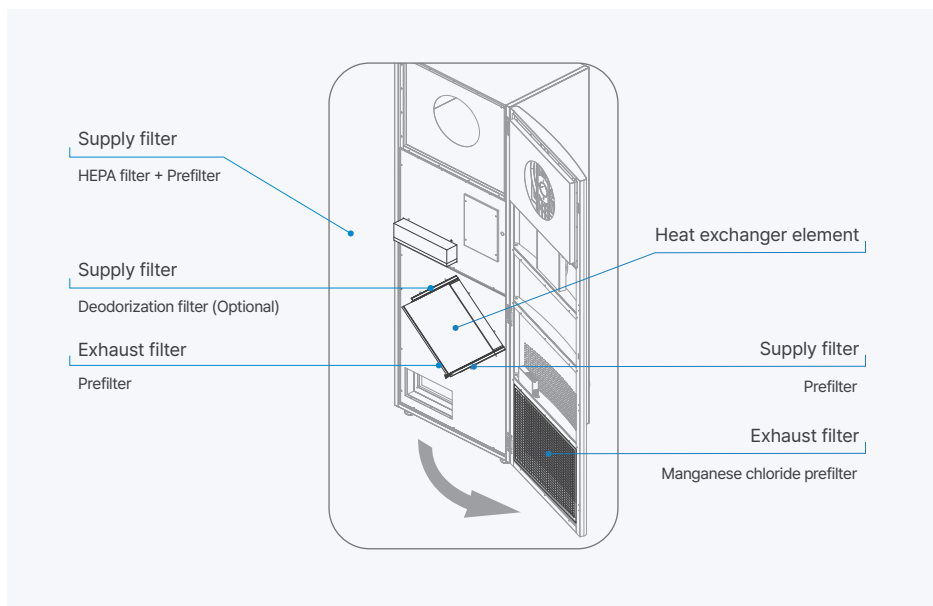
- Gently Shake off dust from the pre filter and use a vacuum cleaner to clean it. It is recommended to replace the HEPA filter, deodorization filter and heat exchanger elements. (Clean the filter every 3-6 months to ensure product durability.)
- If the pre filter accumulated excessive amount of dust, gently wash it off using lukewarm water with a neutral detergent. However, be careful not to rub the filter as it may damage the filter, and after washing, dry it completely in the shade and attach to the product.
- To prevent performance issues, periodically clean the filter and replace the filter and heat exchanger element.

* If the filter is severely damaged or contaminated, purchase a new one from the Himpel website. (www.himpel.com)

※ To ensure safety, turn off the product before cleaning.

! Filter and Element Removal

※ Filter cleaning and removal only requires filter case removal



1. Open the front door and loosen the bolt of the filter and element inspection hole.
2. Open the inspection hole and remove the filter and element.
3. After completing cleaning or replacement, assemble the unit in the reverse order.

* Make sure to remember the filter location and fit it properly in its original location.

Fitting the filter in the wrong location may cause poor particulate matter collection resulting in poor product performance.



Caution

- 1) To ensure safety and hygiene, make sure to wear gloves during work.
- 2) Do not clean the heat exchanger element and filter with water.

※ Product specification and performance are subject to change without notice to improve quality.

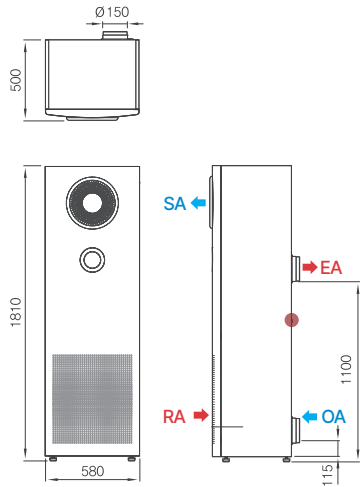
1 Product Specification

Model	HRD2-400EGS
Power consumption (W)	157 (High standard)
Weight (kg)	81
Duct size (Ø)	150
Mode	Ventilation, Auto, Air Purification, Bypass
Option	Central control system, Interlocking (IoT), Carbon deodorization filter
Filter	Quantity & Size
SA (mm)	Pre (320X410X10H) 1EA, HEPA(267X410X74H) 1EA+Pre (267X410X10H) 1EA
EA (mm)	Pre (320X410X10H) 1EA

※ Rated Voltage : Ø1, 220~240V 50Hz, 60Hz

2 Product Size

* Size unit: mm



● Power/Communication Cable

* In case of a product issue, please check the following before requesting service by contacting the Customer Service Center.

Product Issue Checklist

Q. The product does not operate.

A. If the power cord is not connected, the product will not function properly.

Make sure the power cord is plugged into a power outlet properly.

Q. The product does not ventilate well.

A. 1) If the filter/heat exchanger element is not properly attached, the product performance will be poor.

Make sure the filter/heat exchanger element are attached properly.

2) If the filter has not been cleaned for an extended period of time, and if the filter is severely contaminated, product performance will be poor.

Clean the filter/heat exchanger element before operating the product.

Q. The product makes too much noise.

A. 1) If the product is not installed properly, the product may generate noise.

Make sure the heat exchanger element is attached properly.

2) If the filter is not attached properly, the product may generate noise.

Make sure the filter is attached properly.

Q. The air volume cannot be adjusted.

A. 1) In case of auto mode, air volume cannot be adjusted because the mode operates automatically according to the sensor.

Ventilation Mode allows air volume adjustment.

2) In bypass mode, ventilation setting is fixed to "Lv1", therefore the air volume cannot be adjusted.

Air volume can be adjusted after setting a different mode.

3) In case of Auto Mode, models without an indoor air quality sensor repeats "Lv1" air volume for 20 minutes ► standby for 40 minutes.

Models without indoor air quality sensors in auto mode repeat operation and standby, and such is not a product failure.

! Product Issue Checklist

Q. The product turns off during operation.

A. 1) In case of Auto Mode, the product does not operate when the CO₂ and particulate matter dust concentration indoors are good.

[Set the product to operate in Ventilation Mode.](#)

2) In case of Auto Mode, modes without indoor air quality sensors repeats "Lv1" air volume for 20 minutes ► standby for 40 minutes.

[Models without indoor air quality sensors in Auto Mode repeat operation and standby, and such is not a product failure.](#)

3) If reservation time is set, the product operates for the set time and shuts down automatically.

[In this case, turn on the product again.](#)

! Error Notification

* Error notifications can be checked on the wired remote controller.

If the inspection display and error code are displayed, check the following error code list and contact the Customer Service Center.

E02 : Temperature and humidity sensor

E05 : Heat exchanger element replacement

E06 : CO₂ sensor

E07 : Internal communication

E08 : PM sensor

E09 : SA (fan) motor

E10 : EA (fan) motor

E13 : external communication

Product Warranty

About Product Services

HIMPEL provides product warranty as grounds mentioned below under Consumer Compensation for Damage Regulation. HIMPEL Co. Service or dedicated cooperative companies will provide customer service when requested. Compensation acceptance notification is provided within 7 days and actual compensation for the damage is provided within 14 days.



Product Name		Model Name	
Purchase Date		Purchasing Price	
Store where Purchased			

Customer Service

You have a right to be entitled for free of charge 1 year guaranteed service if damage occurs when using the product. However, if the damage was caused by customer fault or natural disaster, the service will be provided of charge even during the free of charge guarantee period.

A/S fee consists of technical fee, price of the parts, and visitation fee.

1. Technical fee refers to an expense occurring for diagnosis, repair or change of broken parts, adjustment, and inspection after completion of repair.
2. Price of parts refers to parts or additional material used for repair.
3. Visitation fee refers to an expense occurring for A/S technician to visit the site as per the request from the customer.

Free of Charge Services

During guaranteed service period, repair or change of device/product caused by its defect is provided for free of charge, excluding customer fault caused by negligence.

Below grounds show applicable cases for free of charge services.

1. Excessive noise caused by unbalanced fan or any other odd conditions
2. Remote control display not matching with actual operation of the product
3. Fan not operating properly even when the power on

Services of Charge

1. Abnormality occurred caused by removing and reassembling of parts on the customer's own
2. Product damaged by missing wiring
3. Change of filters or grill cover of enthalpy exchanger
4. Routine inspection and repair

HIMPEL

Breathing House™

HIMPEL Co., Ltd.

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Gyeonggi-do, 18364, Korea
sales@himpel.co.kr

* Product specifications and performance may be changed
depending on quality improvement or
installation environment without notice.