

# BROAD CLEAN FRESH AIR MACHINE \$Q1000, \$Q1500, \$Q3000

# **USER'S MANUAL**



400-883-9333

Username:

2-YEAR WARRANTY

2022 11 Fn



- 1. Please read this manual carefully and retain for future use.
- 2. Make sure that the power voltage is consistent with the voltage indicated in the label pasted on the machine.
- The power cord shall comply with local standards. If it is damaged, it must be repaired or replaced by the manufacturer or a qualified professional to avoid electric shock.
- 4. The grounding wire shall well insulated.
- When opening the machine door, do not press the safety switch with hands or other objects to prevent electric shock and avoid scratching.
- Clean the internal parts of the machine or cut off the power before maintenance, and remove the baffle and protective cover for cleaning, Water is not allowed inside
- 7. Do not block the exhaust vent and air supply vents of the fresh air machine.
- 8. This product is not suitable for people with low physical function and intelligence level (including children) to operate.
- Do not dispose this product with ordinary garbage. Take it to a qualified electrical waste station for recycling.

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#### TO USERS

Dear Users.

Thank you for choosing BROAD Clean Fresh Air Machine.

Since its establishment, BROAD has been adhering to the service motto of "Sincerity, Diligence and Strictness", and the philosophy of "Providing.

Unique Value for Customers". BROAD has been continuously improving our service and our quality to ensure that all BROAD's clean fresh air systems provide indoor air that is 100 times cleaner than outdoor air, and this commitment will be fulfilled throughout the product's lifespan.

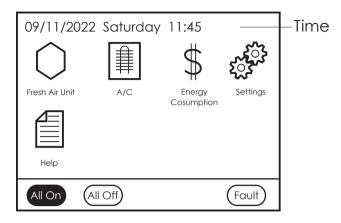
In order to ensure the long-term stable operation of the product to create a healthy and comfortable working and living environment, we have made a Scope of Work for BROAD service engineers to follow. We appreciate your support and supervision, and welcome your comments.

- The engineer must make an appointment in advance with the user for on-site service.
   If the engineer cannot keep the appointment for any reason, a call to the customer should be made at least 15 minutes in advance.
- 2.The engineer must train the user on machine operation, and should demonstrate electrostatic cleaner dust scraping and cleaning, as well as purification efficiency testing during the first site service.
- 3.Air quality standard: The air from the fresh air outlet must be 1,000 times cleaner than the outdoor air, and the indoor air must be 100 times cleaner than outdoor air (or up to acceptance standard).
- 4.The engineer must conduct air detection after service. If not meeting the standard, a written explanation and improvement recommendation should be made.
- 5. The working site must be cleaned after the service is finished.
- 6. All service work must be well recorded.

This manual serves as a maintenance guide book, which is of great significance to the operation and management of the fresh air machine. Please keep it handy.

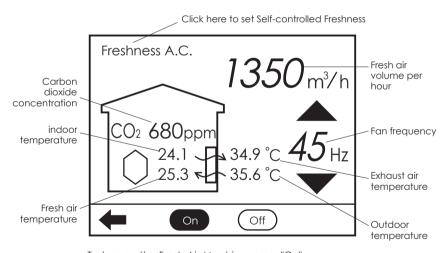
Thank you again for your support. We appreciate your supervision and valuable suggestions.

## CONTROLLER INTERFACE



Power on: Press "All On", or enter the control interface of each component to start up

Power off: Press "All Off", or enter the control interface of each component to start down (only for linkage items)



To turn on the Fresh Air Machine, press "On"

To turn off the Fresh Air Machine, press "Off"

Air Volume Frequency Adjustment ▲ press▼

Others: Press " — " to return to the main interface (It will revert automatically with no operation for 2 minutes. The same below)

## **OPERATION**

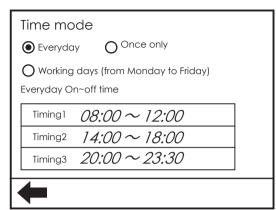
| Energy consumption |                  |       |          |  |
|--------------------|------------------|-------|----------|--|
| Time               | Heat             | Fan   | A/C      |  |
| Real time<br>kW    | 2.43<br>(55.10%) | 0.751 | 0        |  |
| Today<br>kWh       | 18.26            | 11.27 | 0        |  |
| Month<br>kWh       | 821              | 496   | 0        |  |
| <b>—</b>           |                  |       | <b>→</b> |  |

- To get the energy consumption data of the current year, current month and current day
- "Heat recovery" refers to the heat recovery efficiency of fresh air

| Energy consumption |       |      |     |  |
|--------------------|-------|------|-----|--|
| Time               | Heat  | Fan  | A/C |  |
| This year kWh      | 11982 | 4307 | 0   |  |
| Last year kWh      | 21948 | 7714 | 0   |  |
|                    |       |      |     |  |
| 4                  |       |      |     |  |

- Press "Settings" in the main interface to enter the corresponding setting interface
- Set up auto on / off, select the linkage component, correct the time, set up the screen display time, and calibrate the touch screen
- Timer
  Linkage selection Bypass valve setting
  Date and time E&F air rate setting
  ECO mode
  Screen timeout selection
  Touch calibration setting

## **OPERATION**



- Only one timing mode can be selected each time (The black dot in the center of the circle indicates valid selection)
- Multiple time periods can be selected for the on/ off timing mode (The "\" in the box indicates valid selection)
- Press the time in the box and a numeric keypad will pop up.
   Complete the time modification
- When setting the timing, the Clean Fresh Air Machine icon must be selected in the linkage selection interface

| Linkage selection               |
|---------------------------------|
| ☑ Broad clean fresh air machine |
| ☐ A/C coils                     |
| ☐ Humidifier                    |
|                                 |
| Confirm                         |
|                                 |

- The On/Off, All On, All Off, Timing and other controlling systems are only effective for those items selected for linkage control
- The unselected items will not be functioning simultaneously
- After the linkage items are selected, go to the main interface for "All On" or "All Off" to run the machine
- Please go to the engineer interface for linkage setting

- The modification of date and time value is the same as "Timing"
- Only one language can be selected each time (the black dot in the center of the circle indicates valid selection)
- "Engineer Password" is for service engineers only

## **OPERATION**

# • The Fresh Air Machine will automatically stand by on Energy conservation mode auto-off mode and resume operation immediately when ☐ Shut down when no person detecting people • The postpone time can be set Shut down when no person around as per actual need • Press the time value to enter the setting interface. After entering the value, press Confirm to save the modification Confirm · Set up the screen display time Screen timeout selection Only one of the above times can be selected each time O 10 Seconds (the black dot in the center of the circle indicates valid selection) 30 Seconds Press Confirm for confirmation O 60 Seconds O 2 Hours Confirm • For touchscreen deviation Touch calibration setting • If you do not want to continue after entering the calibration interface, press the "Back" key Press the prompt cursor "■" to complete all operations and save the parameters Touch the box

## INFORMATION

#### Brief description

- The automatic freshness control refers to the control of CO<sub>2</sub> concentration. When the CO<sub>2</sub> concentration is too high, the air speed will increase automatically to reduce the CO<sub>2</sub> concentration below the set value. Vice Versa
- On the automatic freshness control mode, the fan frequency rises and falls automatically to ensure the freshness and comfort of the indoor environment, while at the same time saving energy.



- Press "Help" to enter this interface
- "Brief Description" introduces matters that need attention during operation
- Press the left button to return, press the right button for troubleshooting query. See page 12 for details

#### Troubleshooting

| Phenoi | mena | Causes                                                                                       | Solutions                                |  |
|--------|------|----------------------------------------------------------------------------------------------|------------------------------------------|--|
| Big no | oise | Pan speed is<br>too high     Fan bearing or<br>rotor failuer     Wall or ground<br>is uneven | or level the wall or                     |  |
| No bl  | ow   | The door is not properly closed     Fan motor failure                                        | 1.Close the door again<br>2.Replace it * |  |



- Go to the page after "Brief Description in the " Help" interface
- Seek specific solution for troubleshooting
- Press the left button to return, press the right button for more troubleshooting solutions (See page 12 for details. For items marked with \*, please seek immediate help from BROAD or a BROAD authorized service provider)

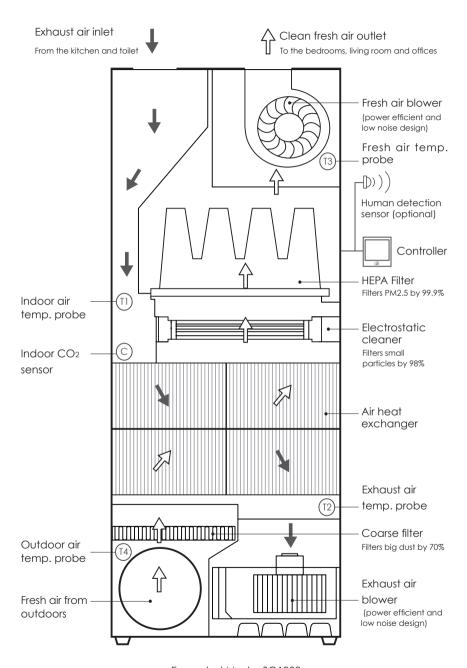


| Fresh air machine | Indoor air temperature probe fault |
|-------------------|------------------------------------|
|                   |                                    |
|                   |                                    |
|                   |                                    |
|                   |                                    |
|                   |                                    |
|                   |                                    |
|                   |                                    |

Reset

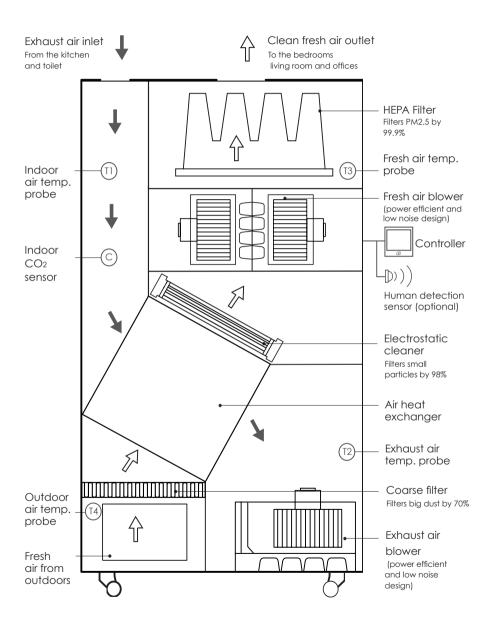
- If a fault occurs, the
   "Fault" button on the main
   interface will turn into a white
   background automatically,
   press "Reset" to clear the alert
- If the CO<sub>2</sub> concentration exceeds the upper limit, please immediately increase the air volume of the fresh air machine
- If the electrostatic cleaner cleaning prompt appears, clean or replace as soon as possible
- For fresh air machine component failure, please seek immediate help from BROAD or a BROAD authorized service provider

# **COMPONENTS**



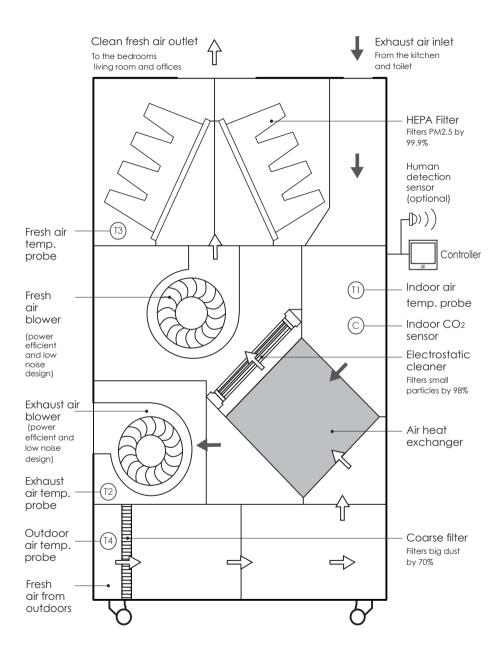
Exampled Mode: \$Q1000

# **COMPONENTS**



Exampled Mode: \$Q1500

# **COMPONENTS**



Exampled Mode: \$Q3000

## MAINTENANCE & WARRANTY

# Filter Cleaning and Replacement

- 1. Electrostatic cleaner cleanina
- Frequency: 1~3 months, depending on dust thickness
- 2. Coarse filter cleaning
- Frequency: Every 1~3 months, depending on dust thickness
- 3. HEPA replacement
- Frequency: Every 1~2 years, depending on dust thickness
- Record the next replacement time on the new HEPA filter
- 4. Air heat exchanger cleaning
- Frequency: Every 2~4 years
- Remove the exchanger, clean with detergent and then rinse with clean water (Air dry)
- 5. Internal component cleaning
- Frequency: Every 1~3 years
- Wipe the fan and the machine's inner case with a wrung wet towel, be careful

Note: the ventilation function will eteriorate if the HEPA filter is plugged up

#### Lifetime Service

BROAD provides optional lifetime service for its clean air products, since the date of purchase, free 2-year product warranty. After the warranty expires, the user can sign an annual maintenance agreement with BROAD, who will provide various value-added services such as cleaning, maintenance, and testing. The service cost is about 5% of the equipment price

#### Warranty

BROAD clean air products take "Best Purification Effect", "Minimum Energy Consumption", "Zero Downtime" and "40-Year Lifespan" as its maintenance goals.

For cleaning and maintenance, please refer to "Operation and Cleaning" posted on the machine and the user manual for more details. Each maintenance must strictly follow the maintenance procedures and record the steps in detail.

The maintenance work for commercial users is suggested to be completed or supervised by BROAD service engineers (or BROAD authorized service providers).

Domestic users can perform maintenance by themselves or entrust BROAD

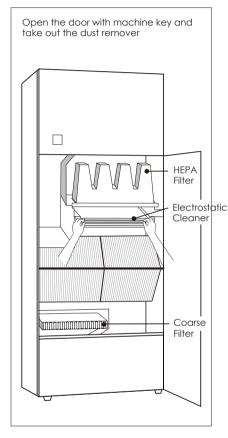
#### Precautions

- It is recommended to keep the fresh air machine running at 30 ~ 40Hz, which can be tuned higher when the number of people increases. Do not run it at full load if not necessary
- Keep the doors and windows closed tightly to ensure a slight positive pressure indoor
- 3. Turn off the range hood and exhaust fan immediately after cooking
- 4. Note that smoking and incense burning will affect air quality
- 5. When there is no one in the room for a long time, set an automatic 15-minute running for every morning and evening to ensure the basic cleanliness of the room

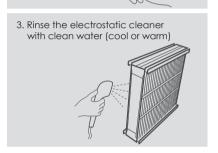
# ELECTROSTATIC CLEANER CLEANING

Clean the electrostatic cleaner every 1~3 months. If the electrostatic cleaner has collected over 1.5 mm of dust, it must be cleaned immediately

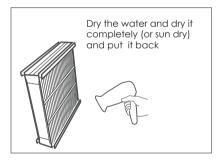
# Remove the electrostatic cleaner



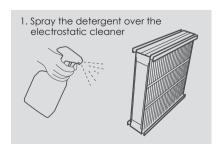
Use the special brush to brush clean the grille (Pay attention not to scrape off the tungsten filament)



■ Blow dry after cleaning



Cleaning Method: Detergent Cleaning



Fan Cleaning



## COARSE FILTER/HEPA FILTER REPLACEMENT

The Coarse filter must be replaced every  $1\sim3$  months, the HEPA filter should be replaced every  $1\sim2$  years. If the indoor air quality is not up to standard, replace filter immediately

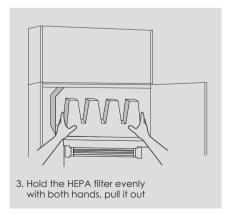
#### Take out the old filter

# 1. Open the door Knob Pressure block 2. Turn the knob clockwise to loosen the pressure block (2 pressure blocks per filter)

#### ■ Load the new HEPA filter

- The steps of loading a new filter are opposite to those of taking out an old filter
- Keep the arrow direction marked on the filter same as before (as shown in the left figure)
- Hold the new filter with both hands and push it vertically and parallel
- Turn the knob clockwise to make the pressure block press the HEPA filter (pay attention to keeping the long side of the pressure block press the HEPA filter)
- Write the next replacement date on the identification strip of the new filter
- After the new filter is installed, the dust concentration at the fresh air inlet must be tested according to the "Indoor Air Quality Checklist". If the dust concentration of fresh air exceeds the standard, check whether the filter is damaged or firmly installed

Note: Please consult BROAD before replacing the HEPA filter. You can replace the filter by ordering from BROAD or call 400-883-9333 for on-site service

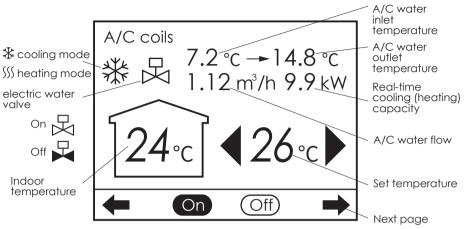


# TROUBLESHOOTING

| No.                                                                                                                                                       | Problem                                                                                             | Cause                                                                                                                                                         | Solution                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                                                                                                                         | The fan is<br>making noise                                                                          | 1.Fan speed is too high 2.The fan bearing or rotor is faulty 3.The wall/floor surface is uneven                                                               | 1.Turn down the fan speed 2.Examine and repair * 3.Fasten the blots or smooth the wall/floor surface                                              |
| 2                                                                                                                                                         | There is no air coming out from the machine                                                         | 1.The door is not closed<br>2.The fan is faulty                                                                                                               | 1.Close the door<br>2.Examine and repair *                                                                                                        |
| 3                                                                                                                                                         | The screen is messy                                                                                 | Electrostatic interference                                                                                                                                    | Open the door once and then close it to restore                                                                                                   |
| 4                                                                                                                                                         | The electrostatic cleaner does not absorb dust                                                      | 1.The tungsten filament is broken 2.The electrode grid is bent 3.Power failure                                                                                | Repair or replace the electrostatic cleaner *                                                                                                     |
| 5                                                                                                                                                         | Bad dust<br>absorption<br>performance                                                               | The electrostatic cleaner or the power connection is faulty*                                                                                                  | Replace the electrostatic cleaner or power supply*                                                                                                |
| 6                                                                                                                                                         | electrostatic<br>cleaner, Poor<br>purification<br>effect                                            | The dust collector is full of dust                                                                                                                            | If the dust thickness of the dust collector reaches 1.5mm, it should be cleaned immediately                                                       |
| 7                                                                                                                                                         | The electrostatic cleaner does not fit                                                              | The electrostatic cleaner is installed backward                                                                                                               | Install in the direction of the arrow                                                                                                             |
| 8 The cleaning prompt not suck much dust, but appears repeatedly lf the dust collector does not suck much dust, but the cleaning reminder is too frequent |                                                                                                     | not suck much dust, but the cleaning reminder is                                                                                                              | Reset the "cleaning cycle"                                                                                                                        |
| 9                                                                                                                                                         | cracking sound is installed after washing                                                           |                                                                                                                                                               | 1.The electrostatic cleaner is not dried thoroughly, remove it and blow dry     2.The electrostatic cleaner has collected too much dust, clean it |
| 10                                                                                                                                                        | The heat exchange effect is not obvious  Small indoor and outdoor temperature difference effectors. |                                                                                                                                                               | This is a normal condition                                                                                                                        |
| 11                                                                                                                                                        | The fresh air<br>volume is<br>insufficient                                                          | Wrong frequency setting     The air inlet/outlet is blocked     The coarse filter has collected too much dust     The HEPA filter has collected too much dust | Reset     Clear the inlet/outlet immediately     Clean or replace the coarse filter immediately     Replace the HEPA filter with a new one        |

Note: for items marked with \*, seek help from BROAD or a BROAD designated service provider immediately

# OPTIONAL A/C FUNCTION



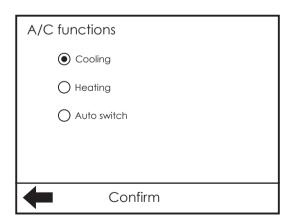
Note: This interface is equipped with a heat meter

Turn on A/C Press "ON", the button will be highlighted Turn off A/C Press "OFF", the button will be highlighted Temperature adjustment Press  $\P$  or  $\blacktriangleright$ , adjustment range:  $5 \sim 35 ^{\circ} \text{C}$ 

Others:Press "

" to enter the A/C mode selection interface, as follows

\*Cooling mode, \$\infty\$ heating mode, "auto switch" mode: The system automatically switches cooling/heating modes according to the water temperature of the A/C



- "Cooling", "Heating", "Auto switch" only choose one
- Auto switch: the system automatically switches between cooling and heating modes according to the water temperature of the A/C (Turn on only once)
- Press "Confirm" to save changes

# A/C COIL TROUBLESHOOTING

| No.                                                      | o. Problem Cause                                                         |                                                                                                                                                       | Solution                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                                                        | Only air, no<br>cooling/<br>heating                                      | 1.When the room temperature reaches the set value, only the fresh air function 2.A/C is not turned on 3.The A/C valve (automatic valve) is stuck      | 1.This is a normal condition<br>2.Turn on the A/C (or outdoor unit)<br>3.Check the circuit or replace the A/C<br>valve*                                                                                                                                                    |
| 2                                                        | heating of the air outlet is 2.The water filter is obviously not clogged |                                                                                                                                                       | Unscrew the exhaust valve, if there is still no air, then close the two manual valves and check the exhaust valve*     Close 2 manual valves, remove and wash the water filter                                                                                             |
| temperature is wrong cannot drop 2.The air volume is too |                                                                          | is wrong<br>2.The air volume is too<br>small<br>3.The water temperature<br>of the A/C is not low/high                                                 | 1.Reset 2.Increase the wind speed 3.Lower/increase the water temperature of the A/C                                                                                                                                                                                        |
| 4 Condensation nearby after a period of shutdown         |                                                                          |                                                                                                                                                       | check the circuit or replace the A/C valve*                                                                                                                                                                                                                                |
| 5                                                        | The effect<br>of the A/C is<br>getting worse                             | 1.The filter is too dirty     2.Coil vent valve blocked     3.The water filter is blocked     4.Other room pipe traffic adjustment valve is too large | Nushed or replaced immediately     Open the exhaust valve, if still no air,     turn off 2 manual valves and repair     the exhaust valve *     Nurn off 2 manual valves, remove and     wash water filter     A.Turn down flow control valves on coils     in other rooms |
| 6                                                        | Water stains<br>outside the A/C<br>pipeline                              | 1.The pipeline insulation is not strict, resulting in condensation     2.Cracks and leaks in the pipeline                                             | Re-insulation, ensure no gaps at the interface, and the insulation material should be airtight (rubber and plastic materials)*     Check pipes and repair*                                                                                                                 |

Note: For items marked with  $^{*}$ , seek help from BROAD or a BROAD designated service provider immediately

## HANDLING AND INSTALLATION

#### Handling

- The lower part of SQ1500 and SQ3000 unit has steering casters, which can be pushed slowly on the flat ground
- If the channel size is limited, \$Q3000 can be moved in separately and then assembled
- Before handling, the forklift must be carefully inspected in accordance with professional requirements to prevent safety accidents, and must not be moved recklessly to avoid irreparable losses

#### installation process

Preliminary preparation
Determine the installation location
of the unit and air duct installation
line according to the design, put the
sample (scratch), prepare tools and
accessories, and prefabricate ducts
as required



Open fresh air hole/exhaust air hole Open fresh air / exhaust holes and unit fixing bolt holes according to the installation dimension drawing



Duct installation

Drill holes to install brackets and hangers, open holes in the wall and ceiling where the air duct passes, install the air duct, connect with the unit, and install the air nozzle



Unit and component installation Move the unit in place, adjust the 4 M16 bolts at the bottom of the machine (SQ1000 is a plastic foot pad) to raise the unit horizontally, and install HEPA filters and A/C coils (optional)



Power supply, signal line connection Connect the power cord to the indoor electrical box or electric control cabinet, pay attention to the forward and reverse directions of the fan Voltage: ~220V 50Hz

#### Precautions

- 1. Preliminary preparation
- The unit is better to be installed in the machine room or indoors, sunshade and rainproof measures are required for outdoor installation
- The materials are complete without damage, the tools are safe and reliable
- Prepare a film to avoid dust pollution in the room

#### 2. Open fresh air hole/exhaust air hole

- Holes opening should be kept away from beams and load-bearing walls, and the outer hole of the wall should be slightly lower than the inner hole by 5~10mm to prevent rainwater from flooding into the room
- The fresh air duct and exhaust air duct must be firm and must be installed on the same day (air duct are prepare by users)
- 3. Machine and component installation
- Use the bolts or plastic foot pads to raise the four corners of the SQ unit, adjust the level, and the inclination does not exceed 2°, so that the unit is lifted off the ground
- It is conducive to indoor air circulation, and all air outlets cannot be blocked by obstacles
- The condensate pipe should be sloped to ensure smooth discharge of condensate
- There is enough maintenance space around (1.5 meters above, the door can be opened back and forth)

#### 4. Fresh air / exhaust air pipe installation

- Try to lay along the wall without damaging the decoration
- There should not be too many elbows, and try to avoid sharp bends and abrupt changes in order to reduce wind pressure loss along the way
- The bracket hanger is more than 200mm away from the joint of the pipe mouth, and the joint of the air pipe is sealed with a rubber strip
- The air duct in the machine room shall be installed after the unit and components are installed, and all fresh air ducts (including branch pipes) should be insulated

#### Test run

- After installation, check the controller settings according to the "Operation" guidance stipulated in this manual
- Focus on the particle purification effect, temperature and carbon dioxide concentration
- Take out the electrostatic cleaner for inspection after one day of operation.
   If the cleaner collected no dust, there must be a fault. Please inform BROAD immediately

# DELIVEERY SCOPE AND ACCESSORIES LIST

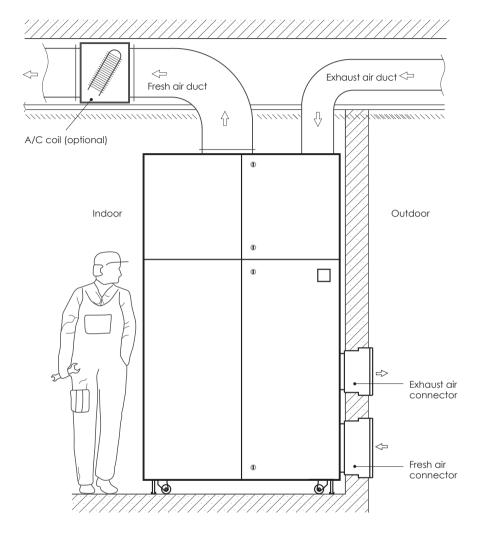
# Delivery scope

| No.                            | Item                                                     | Content                                               | Broad    | Customer                        | Description                                                                                       |
|--------------------------------|----------------------------------------------------------|-------------------------------------------------------|----------|---------------------------------|---------------------------------------------------------------------------------------------------|
| 1                              | Transportation From the factory to the construction site |                                                       |          | <b>V</b>                        | BROAD can handle the transportation as an agent                                                   |
|                                |                                                          | Transport equipment in place                          |          | √                               | BROAD provides guidance                                                                           |
| 2                              | Installation of equipment                                | On-site assembly of split units                       | <b>√</b> |                                 | Charge 8% of the standard price of equipment                                                      |
|                                | pipelines                                                | A/C water pipes to the side of the equipment          |          | <b>√</b>                        | Water supply, return water,<br>and condensation water pipes                                       |
|                                |                                                          | Fresh air outlet/<br>exhaust air outlet<br>(optional) |          | 1                               | Air outlet rain cover                                                                             |
|                                |                                                          | Fresh air/exhaust air<br>main duct                    |          | √                               | /                                                                                                 |
| 3                              | Electrical<br>installation                               | Power supply to the side of the equipment             |          | 1                               | ~220V 50Hz                                                                                        |
| Building automation connection |                                                          | 1                                                     |          | RS485 interface, BROAD protocol |                                                                                                   |
|                                |                                                          | Grounding wire to the side of the equipment           |          | 1                               | Grounding resistance≤4Ω                                                                           |
|                                |                                                          | Human body sensor installation (optional)             | 1        |                                 | Installed in places where there are always people (Automatic start and stop by human body sensor) |
| 4                              | Commissioning                                            | Cleanliness and other inspections                     | 1        |                                 | According to BROAD standards                                                                      |
| 5                              | Operation and maintenance                                | User operator training                                | 1        |                                 | 4~10人On-site training, user<br>assigns 4~10 people                                                |
|                                |                                                          | Cleaning and replacement of filters                   |          | <b>V</b>                        | After 2 years of warranty, an annual service agreement can be signed with BROAD                   |

# Parts Liast

| Model                        | SQ1000  | SQ1500  | SQ3000  |
|------------------------------|---------|---------|---------|
| Sealant strip                | 1piece  | 1piece  | 1 piece |
| Key                          | 1piece  | 1 piece | 1piece  |
| Dust collector special brush | 6pieces | 6pieces | 9pieces |
| Bolts(M6)                    | /       | /       | 4pieces |

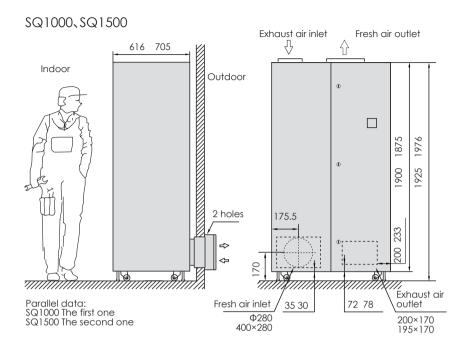
# SYSTEM INSTALLATION EXAMPLE

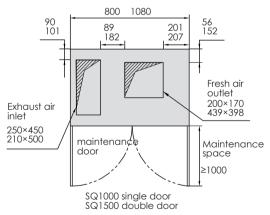


## Special Note:

- This page takes the \$Q3000 model as an example
- · Installation type: floor installation, connected to the air duct
- The distance between the air inlet and the air outlet should be as far as possible, so
  that the room area covered by the fresh air can be larger and more energy-saving
- If the height of the machine room is limited, the side air supply connection method can be adopted (the HEPA filter and the coil are installed on the side of the equipment)
- The room should be airtight and fully ventilated by fresh air machine
- Fresh air and exhaust air pipes must prevent rainwater from infiltrating

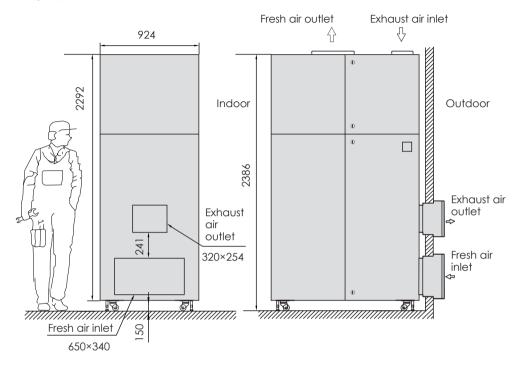
# **DIMENSIONS**

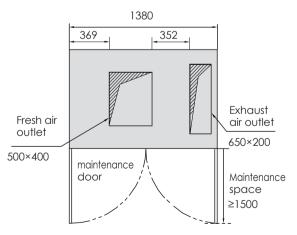




# **DIMENSIONS**

## SQ3000





## SERVICE POLICY

#### 1. Classification of service items

- 1. Equipment maintenance and repair
- 2. Electrostatic cleaner cleaning
- 3. Coarse filter and HEPA filter replacement

#### 2. Warranty (only for service stipulated in 1)

- 2-year warranty from the date of purchase
- For problems caused by design, Manufacturing or factory transportation, Free repair or replacement shall be provided. Repair work will be charged for other causes
- Damages caused by natural disasters, substandard power or human error will not covered by the free warranty
- Free warranty does not include filter cleaning and replacement
- Users can also sign a long-term warranty agreement with BROAD

# 3. Coarse filter and electrostatic cleaner cleaning

- BROAD Customer Center can provide paid single or annual service
- See page 9-10 for self-maintenance method

## 4. HEPA filter replacement

Can be purchased at BROAD shops or through the service hotline

#### 5 Service Standards

| Item                                                      | Standard                                                                                                   |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Regular<br>maintenance<br>and<br>accessory<br>replacement | Strictly follow maintenance requirements                                                                   |
| Maintenance<br>Quality                                    | Ensures the long-term air<br>quality of each unit meets<br>the standard of Indoor Air<br>Quality Checklist |

#### 6. Service Discipline

It is strictly prohibited for BROAD service engineer to privately collect service fee without permission, or sell other manufacturers' products for profit. Otherwise, the case will be filed as suspected corruption or fraud for further investigation

#### 7. Paid Service

- Annual Service Agreement
   It is recommended that the user sign an
   annual service agreement with BROAD
   (or a BROAD authorized service provider),
   with the charge be determined by the
   size, function, number of units and service
   years of the machine, plus the travel
   expenses of service personnel. The annual
   service agreement shall be in standard
   format
- 2. Single service
- The user can contact BROAD for a single service agreement to purchase spare parts
- If the user decides to do maintenance work by themselves and encounters a major failure of the unit, the user can ask for help from BROAD or a BROAD designated service provider. The maintenance fee will be determined by the parts price and maintenance hours, plus the travel expenses of service personnel

#### 8 Service Hotline

Service Hotline 24/7: 400-883-9333 E-mail: bfw@broad.net



Standard: GB/T21087-2020



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BROAD Town, Changsha, PRC Service: 400-883-9333

Sales: 400-677-6666 Fax: 86-731-84086387 Web: www.broadair.net



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