

**FOTILE**

**RANGE HOOD**

User Manual | CHS6002-R

Please read carefully about the user manual before using the product.  
And keep it well after reading, for future reference.

Honorable guest, thank you for your choice of FOTILE products. Please read through the manual to be familiar with the correct operation norms and enjoy the cooking.

FOTILE promise is, make our home better. It is our duty to let you satisfy with FOTILE products. Please read the user manual carefully before using it, and operate it complying with the manual requests. The manual description is important to keep the product a good working condition. And you will lose the free warranty right if the product is failed to use due to your improper use, thus any direct or indirect free warranty certificate will be rejected by FOTILE authorized service center. Meanwhile, we suggest you contact FOTILE service center when the product need to be repaired no matter within or exceed the warranty period. FOTILE star-level service goal is to make customers fully satisfied by our tireless efforts.

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**Warning and Safety Instructions**












**Special version:**





Please properly use the appliance, strictly complying with the user manual. FOTILE company will not bear responsibility for property loss and personal injury due to improper use.

**Warning:**





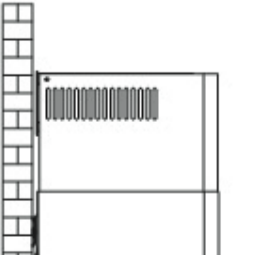
It may cause people danger, serious injury or fire, if you ignore the following contents and improperly operate.

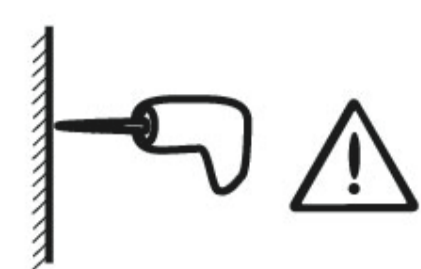


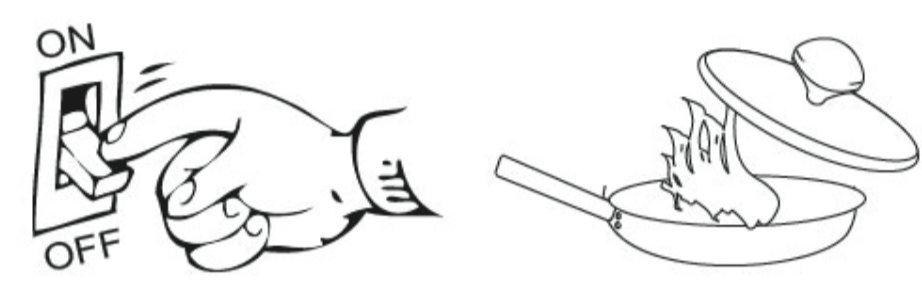
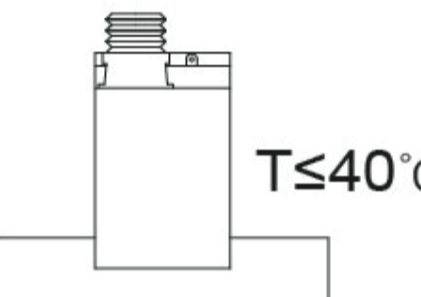

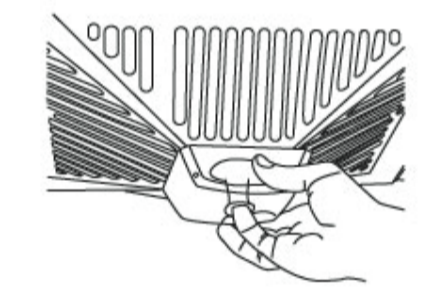
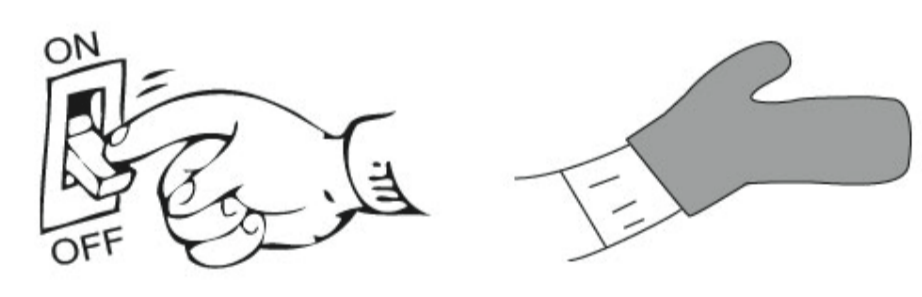

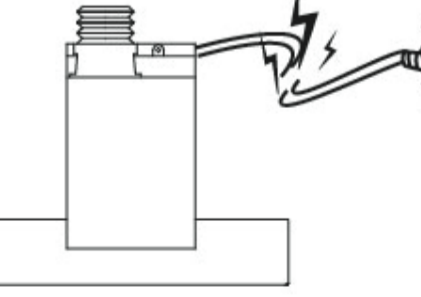
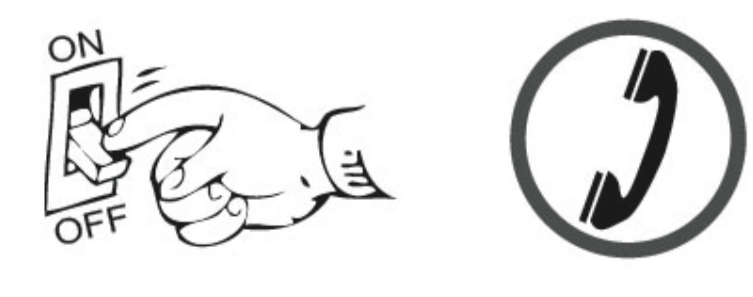
1. there shall be adequate ventilation of the room when the range hood is used at the same time as appliances burning gas or other fuels.
2. there is a fire risk if cleaning is not carried out in accordance with the instructions.
3. please do not flame under the range hood.
4. CAUTION: Accessible parts may become hot when used with cooking appliances.
5. The air must not be discharged into a flue that is used for exhausting fumes from appliances burning gas or other fuels.
6. LED light must be used from FOTILE whose maximal power is 1W.



|  <b>Attentions</b>     |  |   |  |
|---|--|---|--|
| <br>Attention         | Suggest install the range hood after finishing the kitchen decoration.   | <br>Forbidden         | Make sure to keep the appliance horizontal.  |
| <br>Strictly Execute | After finishing installation, make sure the range hood can normally work, please read carefully and keep well the user manual.                   | <br>Strictly Execute | Please abandon and recycle the old range hood which can't work any more, to protect the environment.                     |
| <br>Strictly Execute | If it is necessary to move the gas stove before installing the range hood, please close general gas valve before moving the gas stove.           | <br>Strictly Execute | Please wear protective gloves to avoid your hands being hurt by rang hood sharp edge.                                    |
| <br>Strictly Execute | The range hood is heavy and the installation is complex, so the installation should be done by professional people according to the user manual. | <br>Strictly Execute | Please use specialized power socket and it should be connected with reliable ground wire to ensure safety.               |
| <br>Strictly Execute | Please do not damage the electric wire and other hidden equipment when drilling on wall. Power off the range hood when installing.               | <br>Strictly Execute | The wall should be strong enough to support the range hood, otherwise the range hood may drop down and result in damage. |


|  <b>Attentions</b>   |   |   |  |
|---|---|---|--|
| <br>Strictly Execute | Please use accessories provided by FOTILE company to ensure safe and well installation. Make sure the tightness between expansion pipe and wall hole, and please don't drill the hole too big, to avoid drop due to expansion pipe loosening.   | <br>Strictly Execute | Package of new range hood:To keep a well environment, please deal with the plastic package by environmental way.Packing material is not toy, so please keep the plastic bags and box away from the infant to prevent such dangers as suffocation, etc. |
| <br>Strictly Execute | Accessible parts may become hot when used with cooking appliances. The air must not be discharged into a flue that is used for exhausting fumes from appliances burning gas or other fuels. Failure to install the screws or fixing device in accordance with these instructions may result in electrical hazards. 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. When the range hood and appliances supplied with energy other than electricity are simultaneously in operation, the negative pressure in the room must not exceed 4 Pa (4 × 10 <sup>-5</sup> bar). |   |  |

**Strictly execute**

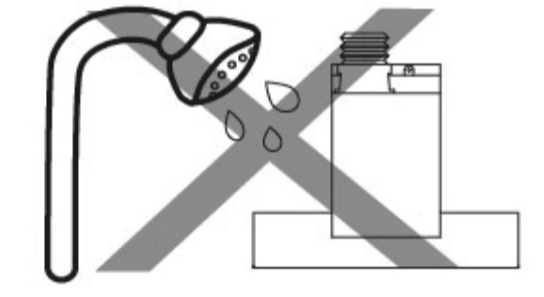
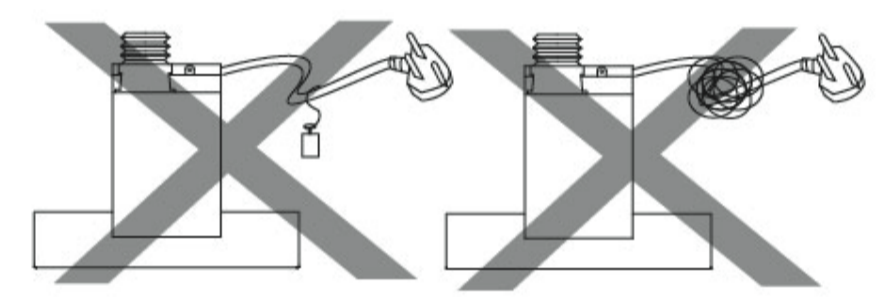

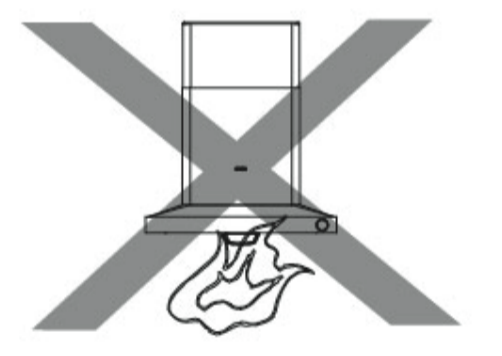
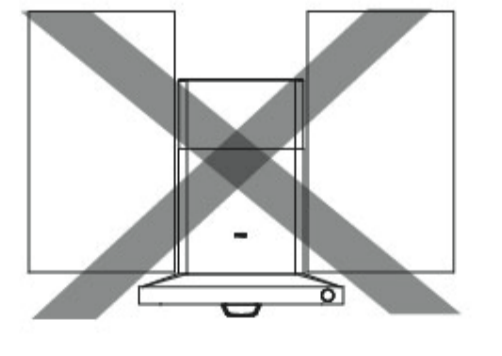
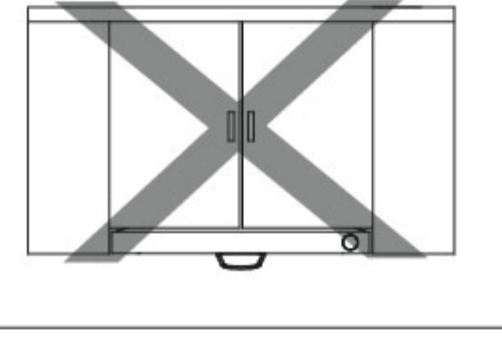

|  |  |
|--|--|
| <br>Ground Connection | The plug should be connected with reliable ground wire to ensure safety. The ground wire should not be connected with gas pipe, tap water pipe, lightning rod and telephone line. Bad ground connection may cause electric shock or other accidents.                             |
|                       | Ensure the safe and well installation. It should be operated by professional people, otherwise, it may cause electric shock, ecclasis, fire and other dangerous.   |
|                       | If the new range hood is damaged obviously before using, please don't install and contact FOTILE service center soon.  |
|                       | Please comply with the safety guideline provided by the heating equipment manufacturer priorly and safety regulations published by the fire authority simultaneously.  |
| <br>>30mm             | The wall should be strong enough to support the range hood. As for hollow wall or hollow plate, the thickness of its solid part should be no less than 30mm. As for concrete wall, the installation can be directly operated. The range hood should be firmly fixed on the wall. |

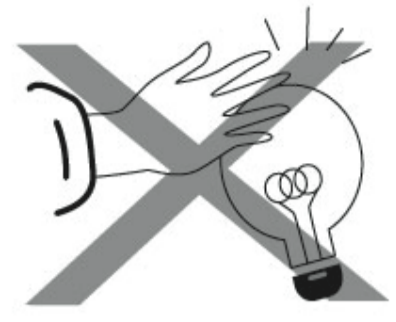
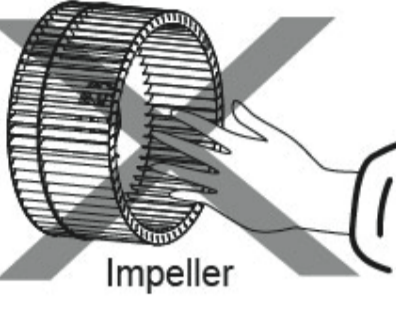
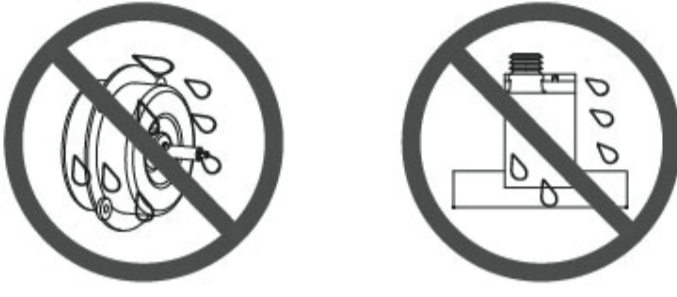

|   |  |
|---|--|
|    | When drilling on the roof or ceiling, please make sure not damage the electric wires and any other hidden devices.   |
|    | The range hood is for family use only, and don't use it in special environment (e.g. outdoor), and it also can't be used to exhaust dangerous or explosive substance or gas.   |
|    | The room should be well ventilated when the range hood and gas stove are used at the same time.  |
|    | When the cooking pots catch fire, turn off the range hood immediately (It will stimulate the fire if the range hood is working). Effective fire extinguishing measures must be taken at once, such as covering the open flame with metal cover, turning off the general gas valve and keeping flammable substance away from the open flame, etc. |
|    | The ambient temperature at work should not be more than 40°C.  |
|   | Please clean the range hood according to the user manual, otherwise, it may catch fire or cause other dangers.   |
|  | Please clean the oil cup timely to avoid overflowing when the oil reaches the very scale in the oil cup. Please don't use the waste oil.   |
|  | Before install, clean or repair the range hood, please make sure cut off the power to avoid the electric shock. And wear protective gloves to avoid your hands being hurt by range hood metal panel.   |
|  | Cut off the power if you are not going to use range hood for a long time.  |
|  | When the power cord is damaged, please contact FOTILE service center to replace it.  |
|  | If there is abnormality, please turn off the range hood and cut off the main power supply, contact FOTILE service center to repair it. It will easily cause dangers like electric shock, fire, if the range hood still working under abnormal conditions.  |

|   |  |
|---|--|
|  | Please don't let children use range hood by themselves and don't place it where infants can touch, otherwise, it will cause burning injury, electric shock or other accidents. |
|  | Please keep the product plastic package away from the infants, to avoid suffocation, etc.  |

 The glass used in FOTILE products is tempered glass, and the tempering mechanism of glass decides that there is extremely small probability for tempered glass self explosion. Once it happens self explosion not due to improper use, we promise to replace the tempered glass free.

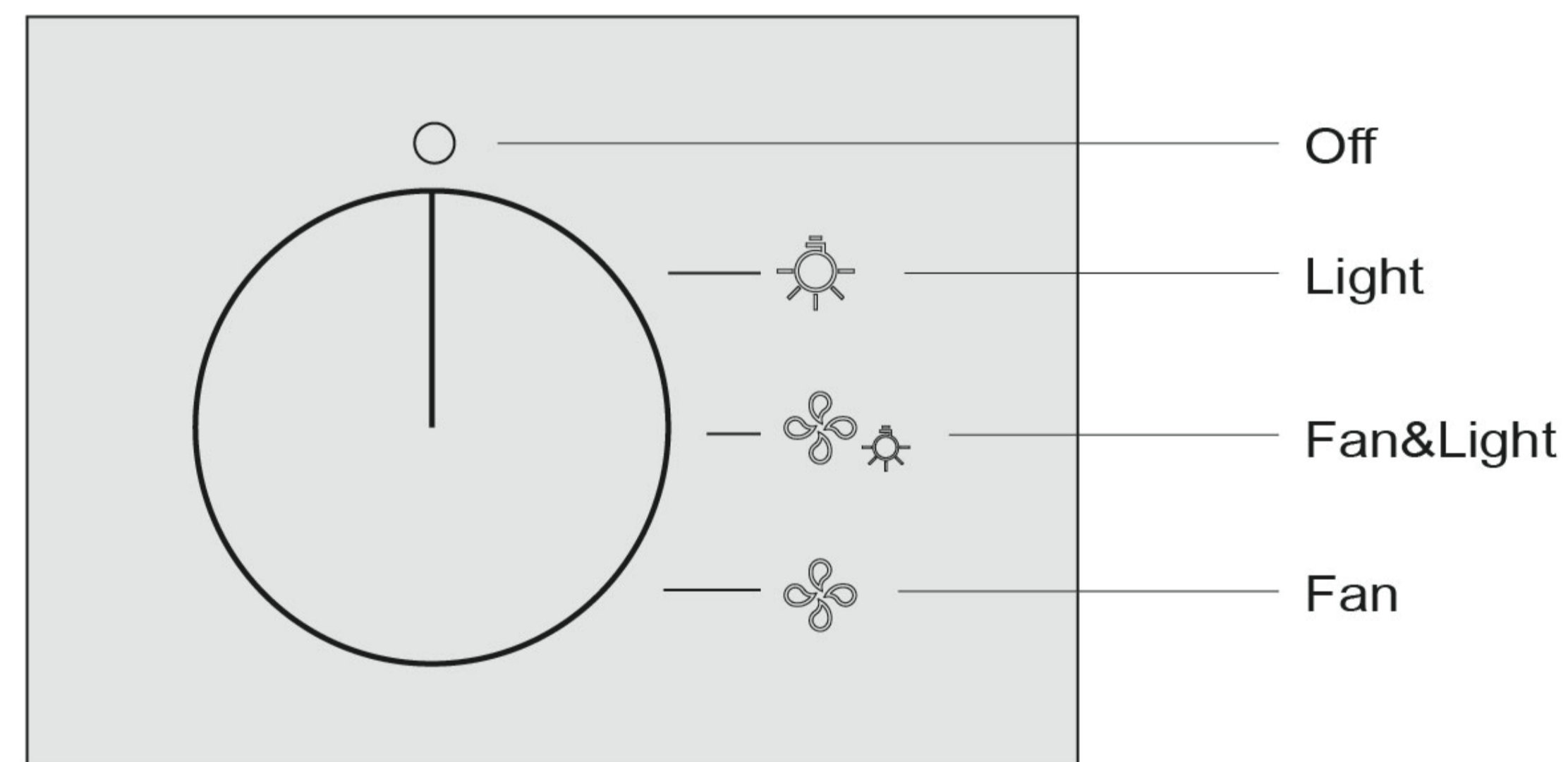
 **Forbidden**

|   |  |
|---|--|
|    | Please clean the range hood according to the user manual, otherwise, it may catch fire or cause other dangers.   |
|  | Don't transform, stretch, tie, ballast or extrude the power cord, or it may cause electric shock or fire.  |
|  | Don't change the internal wiring by yourself, otherwise, it will cause possible abnormality and personal injury; and the improper repair leads to electric shock, fire or other dangers. |
|  | Do not contact the range hood by open fire.  |
|  | Cabinet at both sides cannot be closely placed beside the motor cover of range hood.   |
|  | Do not enclose the range hood in the cabinet.  |
|  | Don't let the stove working without pot otherwise it will damage the above range hood.   |

|   |  |
|---|--|
|  | Don't touch the bulb that is still working or finish working for a short while, to avoid scalding.   |
|  | Don't put your hands or other things into impeller when it is working to avoid hurting.  |
|  | All electrical parts including motor, switch and connections, etc. should be away from water. Don't rinse range hood directly with water. Don't use the range hood when it is wet to prevent electric shock. |
|  | Never touch the power plug, power switch or other electric parts with wet hand, otherwise, it may cause electric shock.  |

## Usage

### ■ Commissioning and functions



- 1) Off  
When the knob points at the "Off" indicator, the kitchen ventilator is off and out of service.
- 2) Light  
When the knob points at the "Light" indicator, the fan is off and the light is on.
- 3) Fan&Light  
When the knob points at the "Fan/Light" indicator, both the fan and the light are on.
- 4) Fan  
When the knob points at the "Fan" indicator, the fan is on and the light is off.

### ■ Five protections

1. Protect the knob from being turned with excessive force;
2. Protect the kitchen range from running at no load;
3. Protect the kitchen ventilator from being disassembled while energized or by any other violations;
4. Protect the content in oil cup from spilling over;
5. Protect the kitchen ventilator from being overhauled by any non-professionals;

**⚠ Warning:** Do not expose the kitchen ventilator directly to the fire.

## Cleaning and Maintenance

### ⚠ Warning:

1. The range hood is at the risk of catching fire if not cleaned according to the instructions in the specification.
2. Before cleaning and repairing the range hood, be sure to pull off the power line plug to avoid electric shock.
3. In the process of cleaning, it is necessary to prevent the electric motor, the operation keys and other electrical components from being flooded.
4. When the draught fan is in use, be sure to keep hands away from the operating area of the draught fan.
5. Do not clean the range hood with gasoline, acidoid, benzene, solvent and other chemical agents.

To ensure using the product more comfortably, please clean the surface, the sphenoidal plate, the plain net component and the oil cup frequently, which will contribute to the normal function of the range hood.

### ■ Surface cleaning

**⚠ Warning: the kitchen ventilator's surface is made of stainless steel 430 and painted materials. Please do not clean the surface with cleaning ball, brush, scouring pad or other tools which may cause scratch on the surface.**

1. Clean the surface with neutral soap or neutral detergent only. Afterwards, dry the surface with a soft cloth.
2. Remove the visible stain (if any) on the surface of kitchen ventilator with neutral cleanser and protect all control keys from such cleanser. Drip the cleanser to the stain and keep it for a short period (otherwise it may result in certain machine damages). After that, remove the stain with a soft cloth and remove the cleanser with a slightly wet towel. Finally, dry the surface with a dry soft towel.
3. Remove the surface stain as soon as possible.
4. Clean off the salt-containing solution, disinfectant, bleaching powder or other cleansers (most of which containing harmful chemical substances) on the stainless steel panel, if any, with a wet cloth as soon as possible. Afterwards, dry the panel with a dry cloth.

■ **Cleaning of oil cup and inner/outer cover of the air intake**

1. Disassemble the oil cup by turning it counterclockwise and discharge the oil left in it (Fig. 1);
2. Unscrew (at the right side) the air intake cover assembly (Fig. 2) and turn the cover assembly to a certain degree with the left side as the axis. Subsequently, disassemble the air intake cover assembly by moving it toward the lower right side (Fig. 3);
3. Take out the inner cover of air intake. Soak the oil cup and outer cover of the air intake in the warm water containing neutral detergent. After that, wash and clean them with a soft brush;
4. After cleaning, install the inner cover into the outer cover of the air intake. Plug two hooks (at the left side of the air intake cover assembly) into the corresponding openings on the panel (Fig. 4). Turn the air intake cover assembly upward and fix it with screws at the right side.



- a. After using the range hood every time, please clean the external surface of the range hood once (including the external surface of the ring suction plate).
- b. It is advisable to clean the buckle of the ring suction plate and the air inlet cover every three months.
- c. Clean the impeller every twelve months (to be carried out by professionals only).

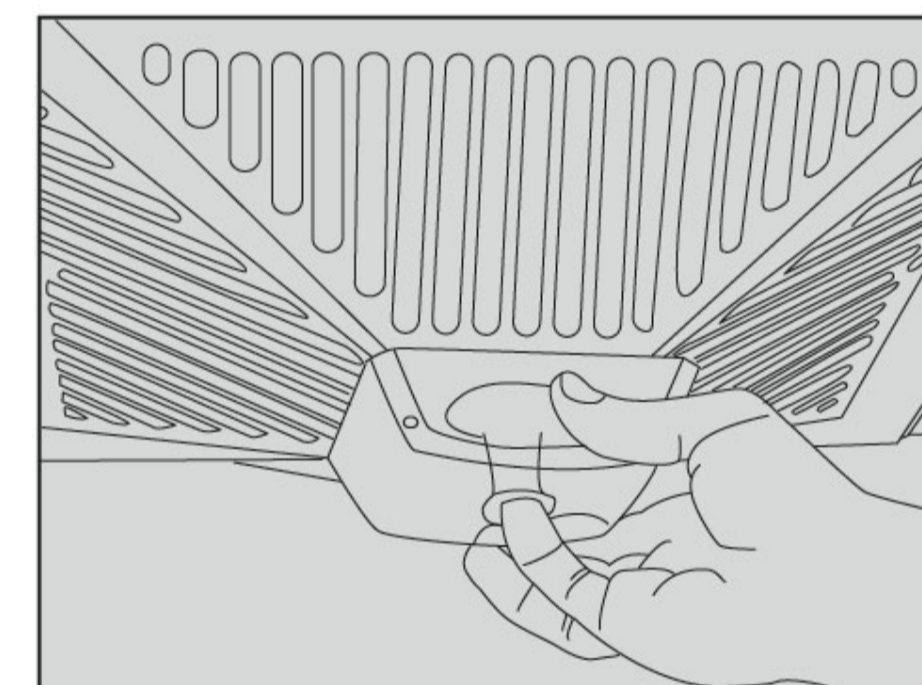


Fig. 1

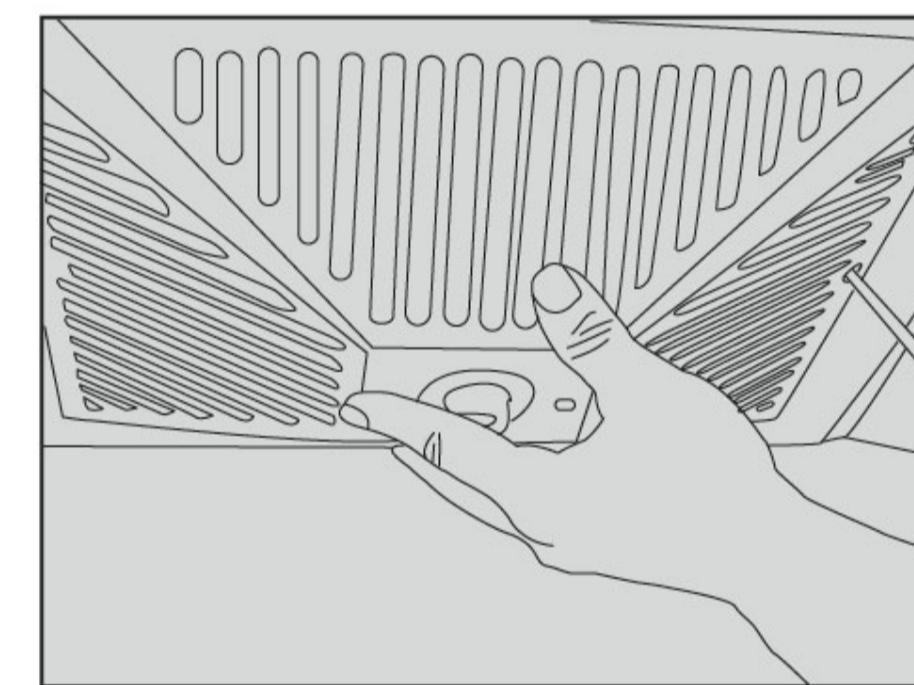


Fig. 2

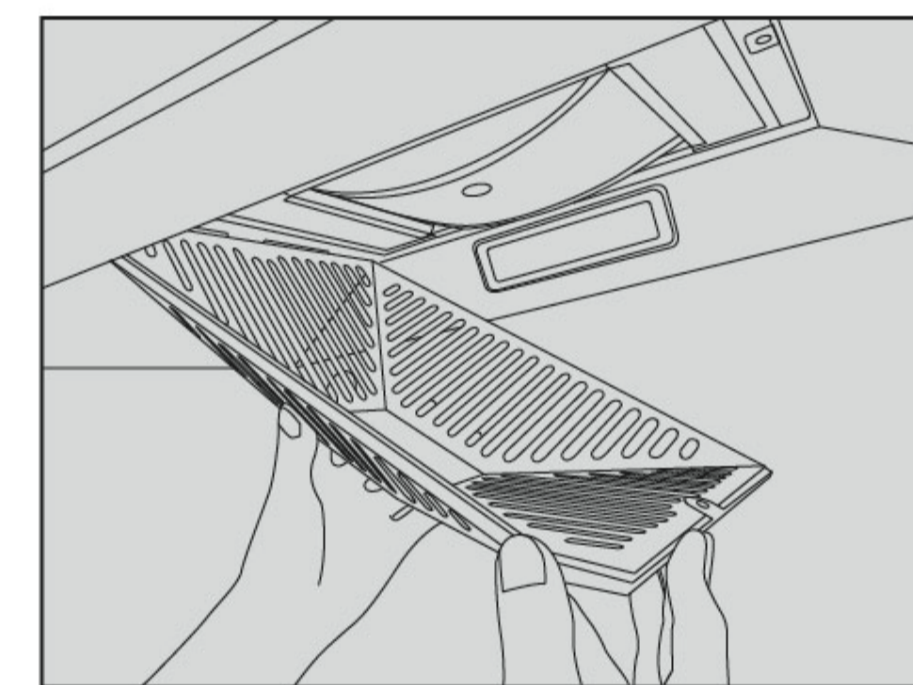


Fig. 3

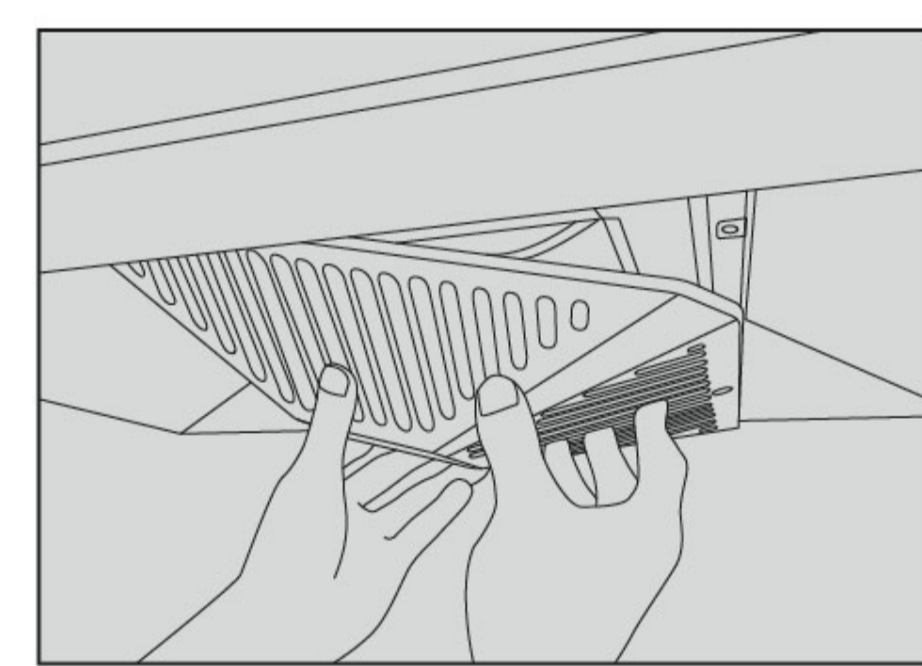


Fig. 4

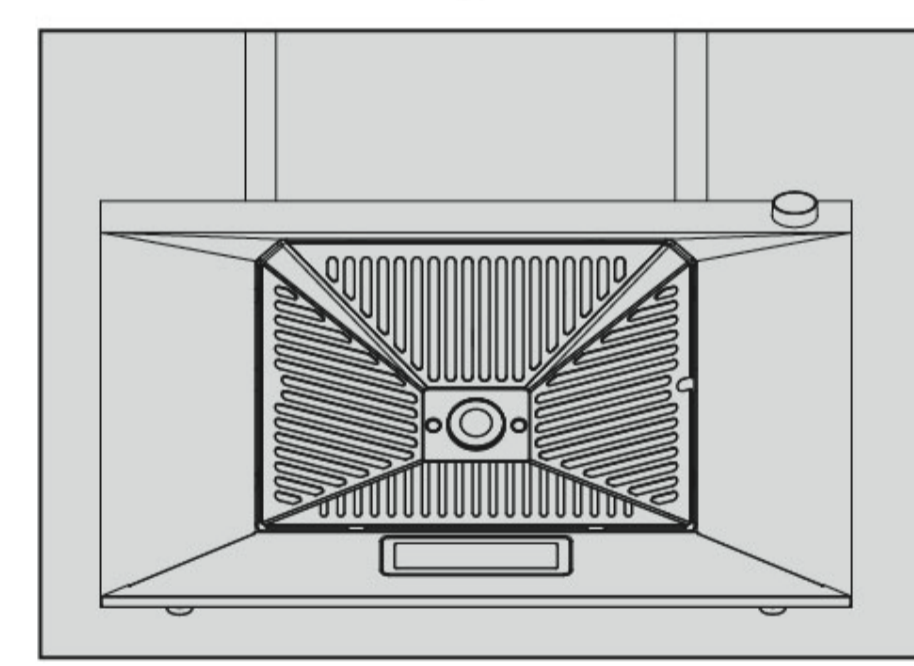


Fig. 5

■ **Light replacement**

1. Insert a small straight screwdriver in the right gap of the light to slightly pry it downward; (Fig. 5)
2. After prying, remove the light downward from its hole and unplug the connecting wire.
3. Install a new light.

⚠ **Warning:** This operation shall be done by the professionals. Make sure to power the light off prior to disassembly.

■ **Six steps of complete disassembly (by the professionals only)**

1. For the disassembly of oil cup and air intake cover, refer to Step 1 and 2 of “cleaning of oil cup and inner/outer cover of the air intake”;
2. Take down the plain net component according to Figure 6 and Figure 7;
3. Remove the toe screws on both sides of the decorative cover, then remove the motor cover and decorative cover; (Fig. 8)
4. Unscrew and disassemble the fan cover; (Fig. 9)
5. Unscrew the set screws of the air intake washer(Fig.10), and disassemble the washer; (Fig.11)
6. Turn the locknut clockwise, and disassemble the impeller. (Fig. 12)

⚠ **Warning:** Before dismantling the range hood, the power supply must be cut off. The range hood must be dismantled by professionals.

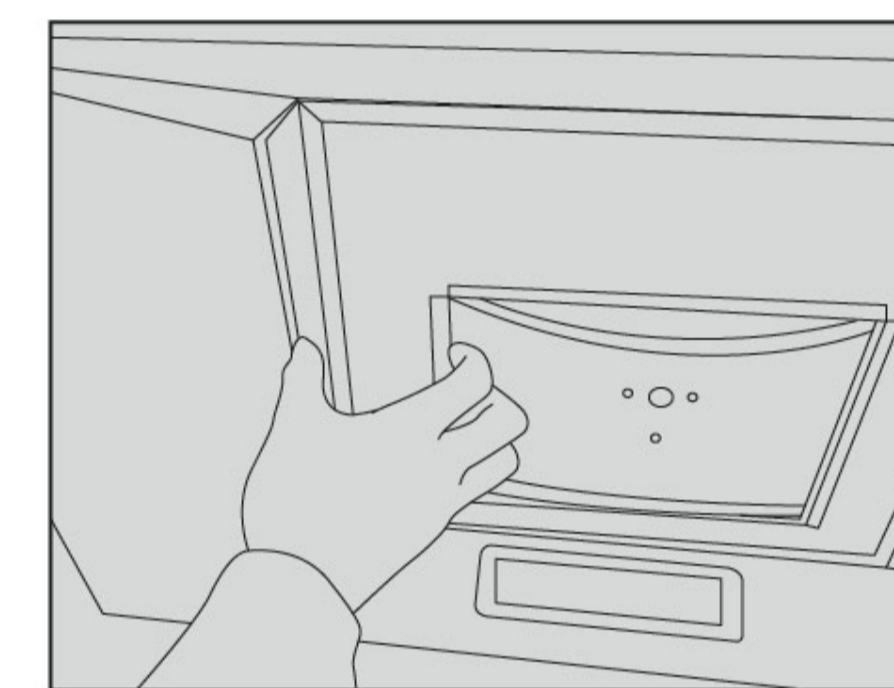


Fig.6

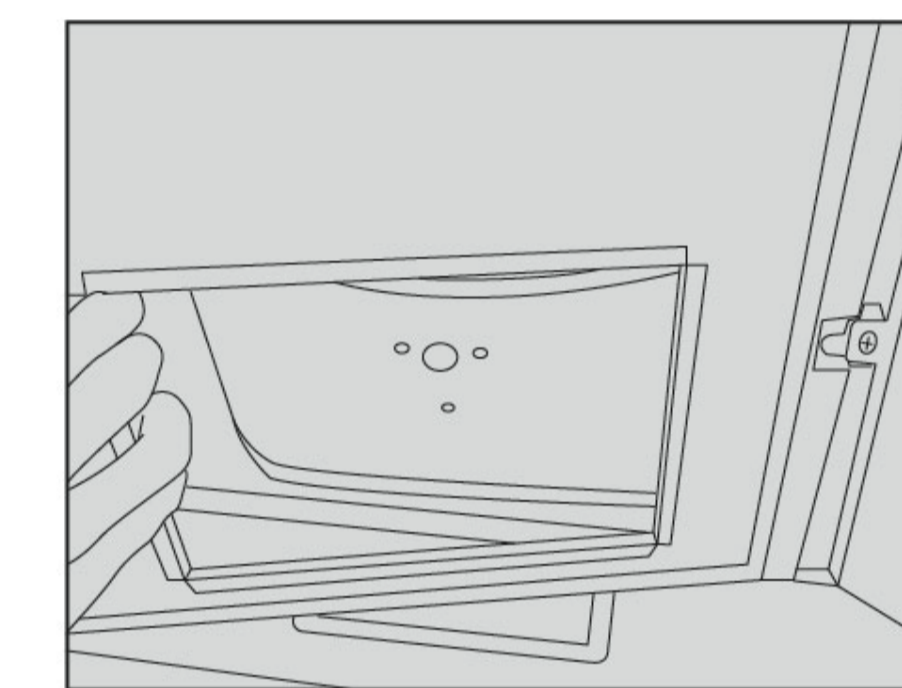


Fig.7

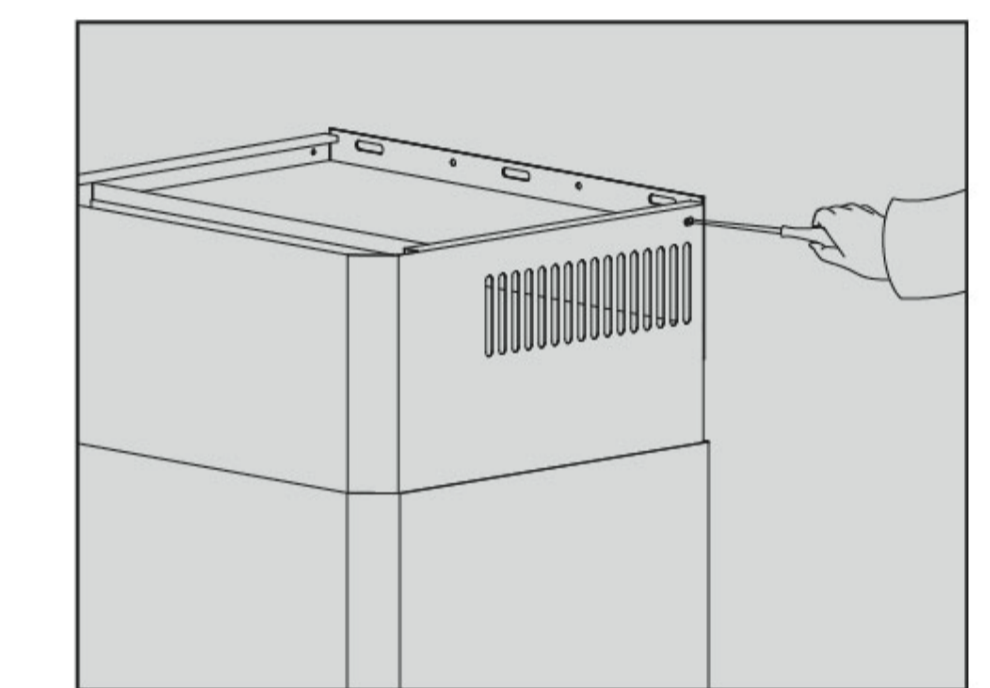


Fig.8

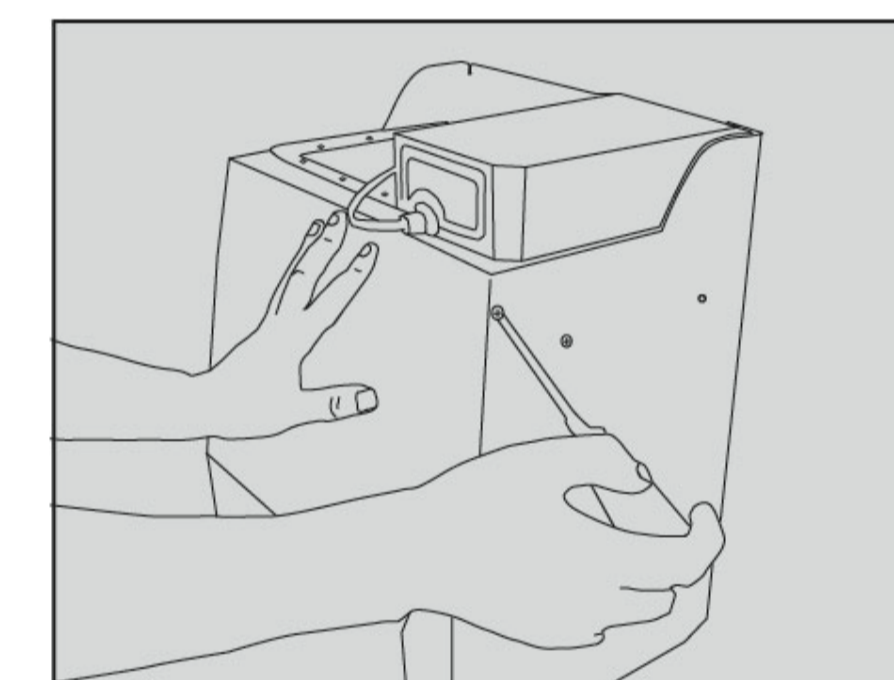


Fig.9

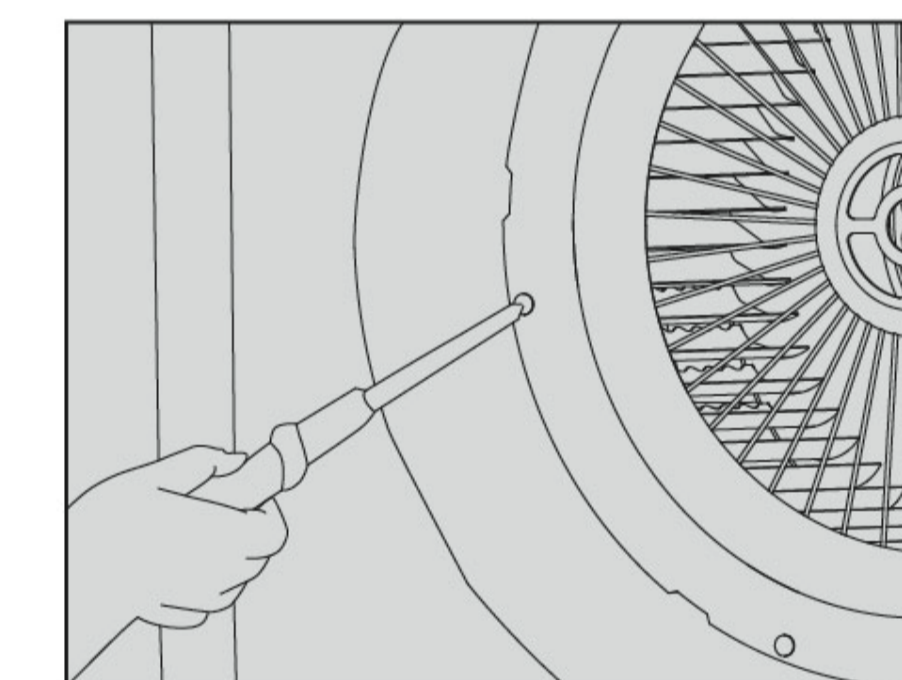


Fig.10

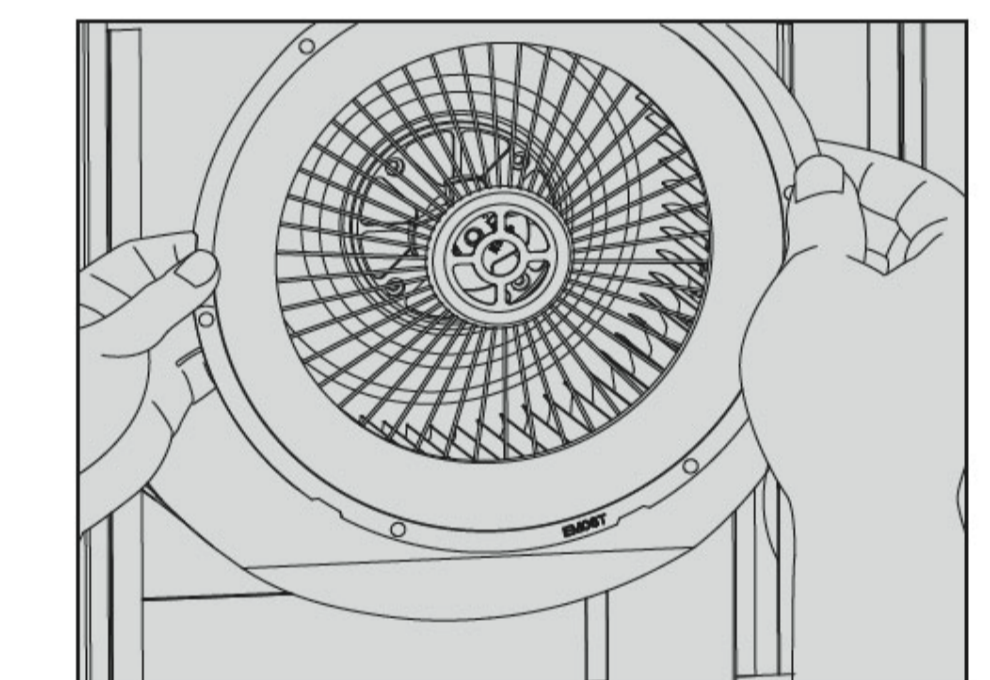


Fig.11

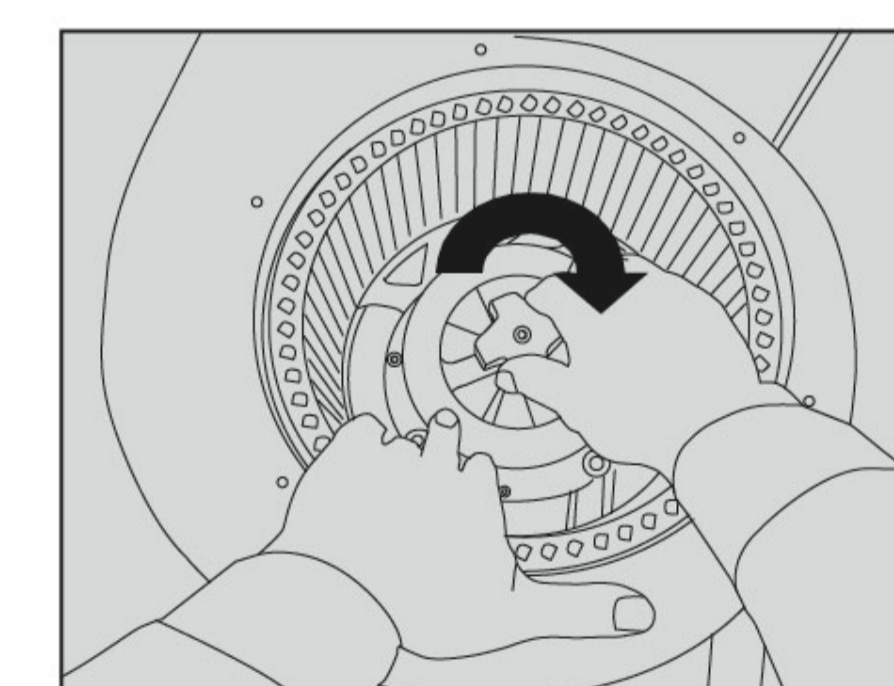


Fig.12

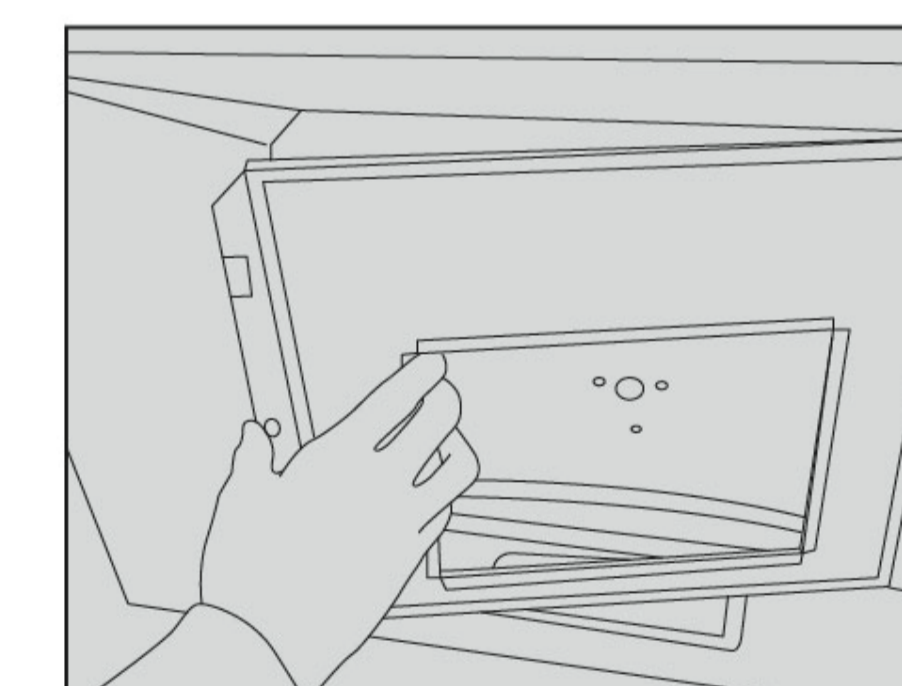


Fig.13

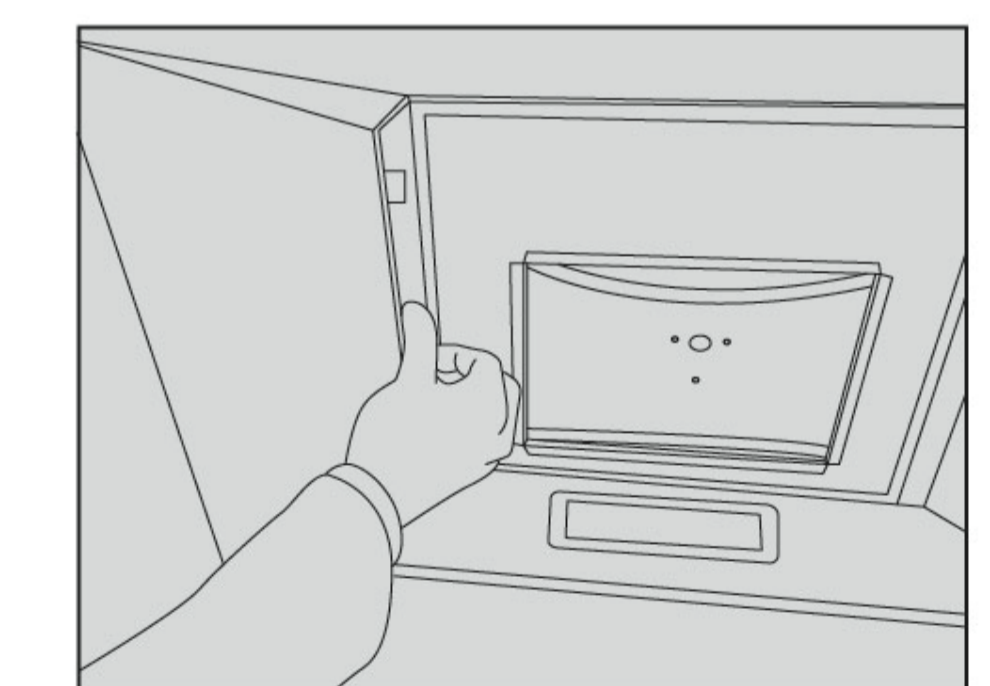


Fig.14

### Replacement and operation process of Carbon filter component

Installation of filter component:

- a. For the disassembly of oil cup and air intake cover, refer to Step1 and 2 of “cleaning of oil cup and inner/outer cover of the air intake”;
- b. Take down the plain net component according to Figure 6 and Figure 7;
- c. Install the filter component according to Figure 13;
- d. Restore the plain net component to the original state of installation according to Figure 14.
- e. After installation of filter component , install the inner cover into the outer cover of the air intake . Plug two hooks (at the left side of the air intake cover assembly ) into the corresponding openings on the panel (Fig.4). Turn the air intake cover assembly upward and fix it with screws at the right side.



- a. The Carbon filter component cannot be cleaned;
- b. Please purchase the new Carbon filter component from the local retail store.

### Normal Malfunction and Trouble Shooting

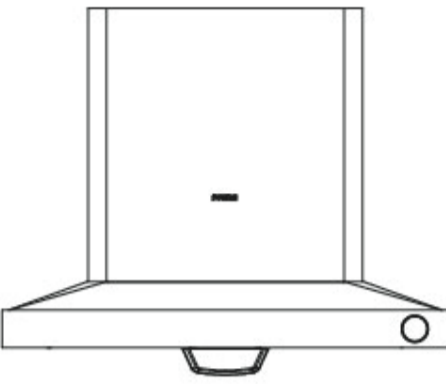

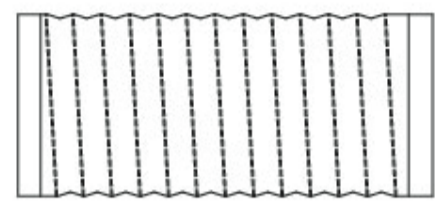

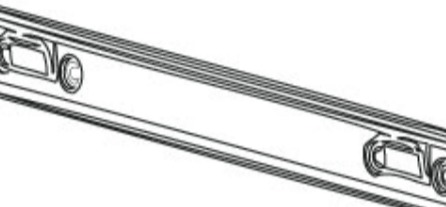
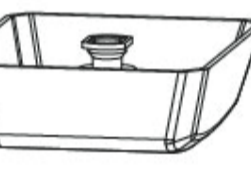
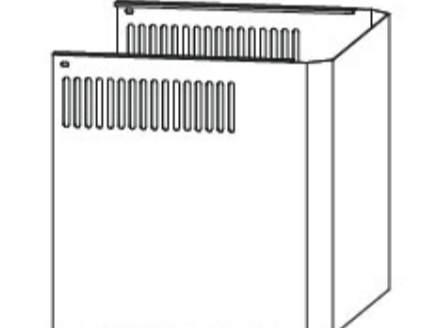
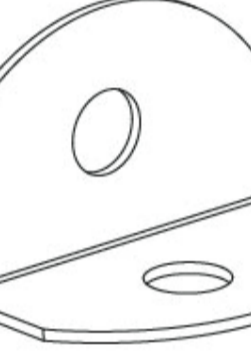
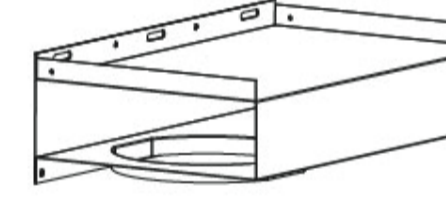

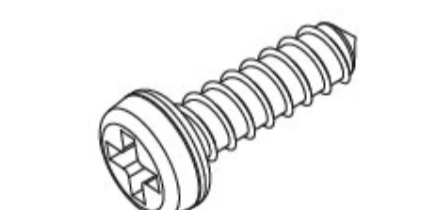


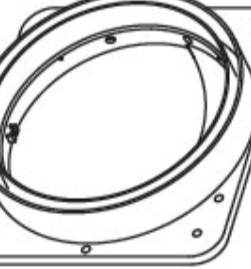

| Malfunctions                               | Possible reasons  | How to check   |
|--|---|--|
| Range hood can't work, light can't lighten | Haven't connected with power supply                                 | Check whether the plug is well inserted or not                         |
|  |   | Check whether there is electricity or not in the plug                  |
| Motor can working, but light can't lighten | LED light is damaged  | Replace LED light (done by professional people)                        |
| There is machinery shaking noise           | Screw is loosed   | check whether the surface screws are tightened or not                  |
| Suction power is weak                      | Too long distance between range hood and stove                      | Lower the range hood installation height (done by professional people) |
|  | Too much ventilation near the range hood leads to strong convection | Close some doors and windows   |
| Noisy                                      | Exhaust pipe surface is distorted                                   | Reinstall exhaust pipe (done by professional people)                   |



1. Change the LED light: please contact FOTILE after sales center.
2. If the range hood still can't work after getting rid of the above malfunctions, please contact FOTILE service center .

### Installation

#### Packing List

|   |   |    |   |                     |   |
|---|---|----|---|---------------------|---|
|    | Complete Appliance  | 1  |    | Aluminum Foil Tape  | 1 |
|    | Exhaust Pipe  | 1  |    | Wooden Screw 4.5x60 | 7 |
|    | Pothook   | 1  |    | Oil Cup             | 1 |
|   | Decorative Cover  | 1  |   | Safety Block        | 1 |
|  | Wind Guide Box  | 1  |  | Upper Seal Mat      | 1 |
|  | Cross Recess Head Self-tapping Screw ST 3.9x9.5           | 6  |  | User Manual         | 1 |
|  | Expansion Pipeφ10X60                                      | 7  |  | Exhaust Cover       | 1 |
|  | Cross recess pan head self-tapping locking screws M4 X 18 | 10 |   |                     |   |

**Installation Suggestions**

**Installation Position**

The range hood is only for family use only; Please do not use the range hood under other conditions.

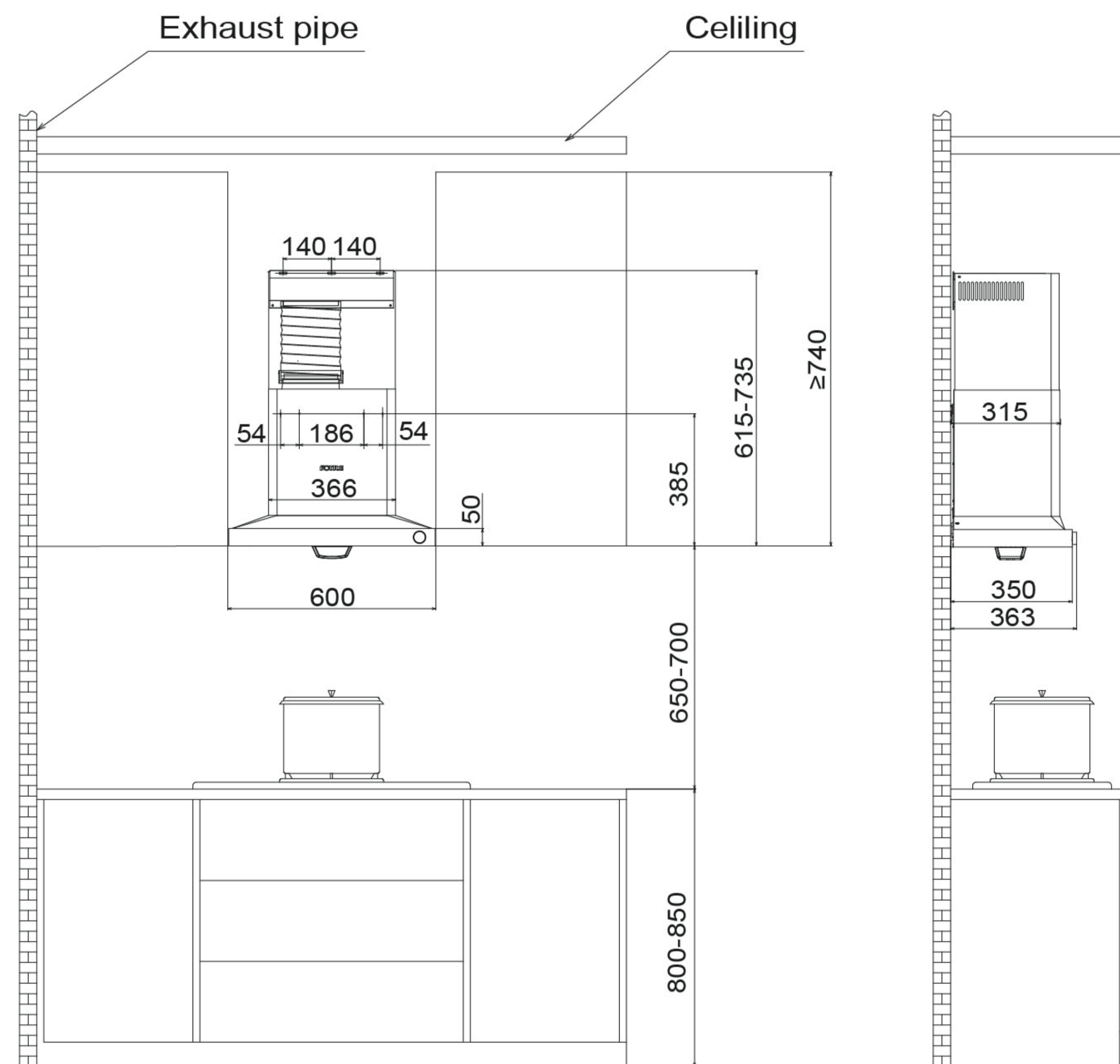
The range hood should be installed above the stove. Keep parallel between the blower outer cover bottom end and cabinet bottom end.

The temperature of the range hood should not be more than 40°C .

The wall should be none-flammable. Never install the range hood on the flammable wooden wall.

**Installation Diagram of Hoods and Cabinets.**

(Unit: mm)



Blower outer cover bottom and cabinet bottom should be even.

**Preparation before installation**

- 1.Warning, Please don't make sundries into exhaust pipe to avoid damaging the range hood. Estimate the exhaust pipe position. A straight and short exhaust pipe makes smoke extraction more smooth, please refer to installation diagram.  
The joint between exhaust pipe and wall hole should be sealed with tape, and ensure firm connection between exhaust pipe and exhaust cover.  
Too small wall hole will affect smoke extraction, therefore, please broaden the wall hole to fit exhaust pipe size under safety condition.

2.Tool preparationPlease prepare the following tools before range hood installation.

- |  |                       |
|--|-----------------------|
| (1) Impact electric drill (with drillbit of $\phi 10\text{mm}$ ) | (2) Cross screwdriver |
| (3) Internal hexagonal wrench (M6)                               | (4) Measuring tape    |
| (5) Hammer   |                       |

**Installation Steps**

1. Equip the electric impact drill with a  $\phi 10\text{mm}$  percussion bit for use;
2. Accurately locate the position on a solid wall where drilling shall be carried out via the chopping bit (Refer to Figure 15). Drill the wall and embed the expansion pipe in a secure way, fix the pothook and the components for the wind guide box and screw in the wood screw tightly. The components for the wind guide box can be strengthened and fixed onto the suspended ceiling with two ST3.9x9.5 self-tapping screws;
3. Fix the fan cover and the seal ring onto the mainframe top with eight M4x18 bolts;
4. Fix the air duct onto the outlet housing with ST3.9x9.5 self-tapping screws before winding and sealing the air duct with aluminum tape.
5. Hang the mainframe in a secure way. When look at it in front, the machine shall not be slanted or oblique. When look at it sideways, the machine shall cling to the wall surface, and there needs to be a little gap between the machine and the wall;
6. Install the air duct according to Figure 15. Fix the air duct onto the components of the wind guide box with two ST3.9x9.5 self-tapping screws. Inspect the tube wall which shall not be bulged or flat;
7. Refer to Figure 16 to locate the position where drilling shall be carried out via the percussion drill. Embed the expansion pipe in a secure way, fix the safety stops until finally screw them up with wood screws;

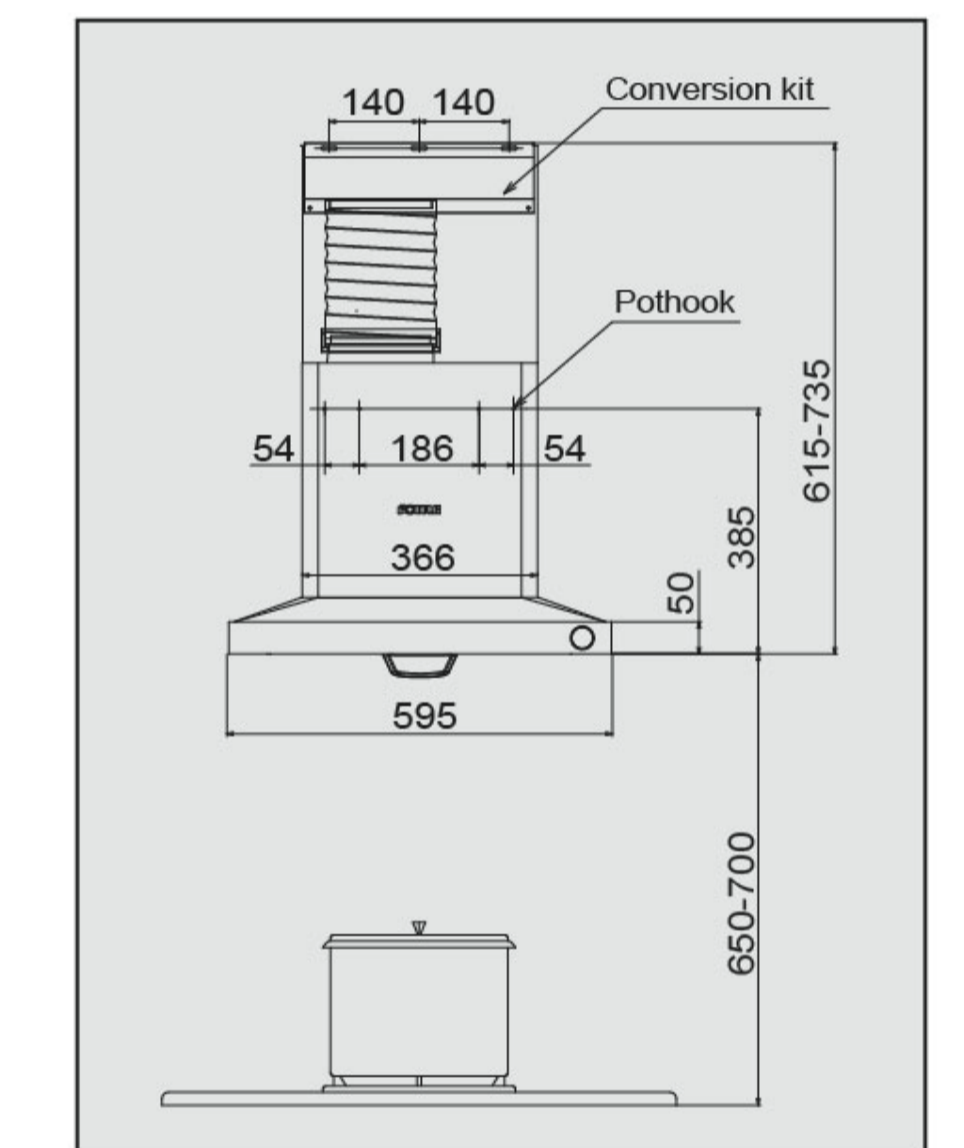


Fig.15

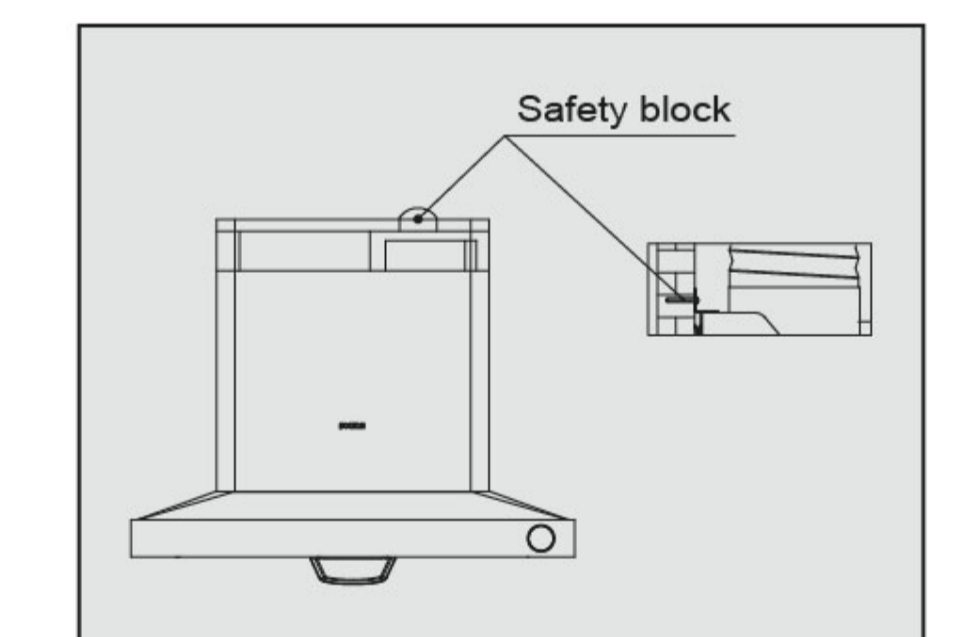


Fig.16

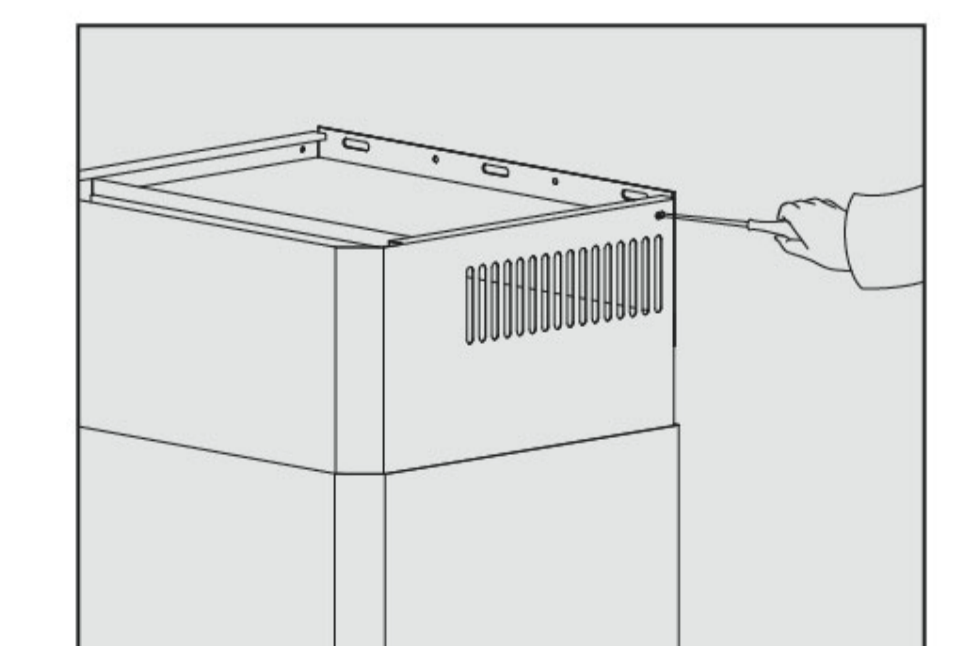


Fig.17



8. Installation of fan shield and trim cover:
  - (1) Put the trim cover in the fan shield;
  - (2) Take up the fan shield and the trim cover simultaneously. First hang the trim cover on the components of the wind guide box, and then push the trim cover and the fan shield to the bottom along the components of the wind guide box;
  - (3) After pushing the trim cover and the fan shield to the bottom, the fan shield will slide down slowly to snap the buckle of the fan shield into the fan frame and then insert the fan shield into the gap between the carrier plate and the fan frame;
  - (4) On both sides of the decorative cover use self-tapping screws ST3.9\*9.5 to fix the decorative cover on the wind guide box (see Figure 17).
9. Install the oil cup (see Figure 1);
10. Insert the mainframe's power plug into the power socket.



- a. Before installation, take down the fan shield;
- b. If the installation needs to be conducted along with the installation of cabinet, exchange step 4 and step 5;
- c. Choose the drilling bit according to the specific condition of the place of drilling.

### Main Technical Specifications

#### Electrical parameter

| Model     | Voltage  | Frequency | Input Power | LED Light Power |
|-----------|----------|-----------|-------------|-----------------|
| CHS6002-R | 220-240V | 50/60Hz   | 180W        | 1W              |

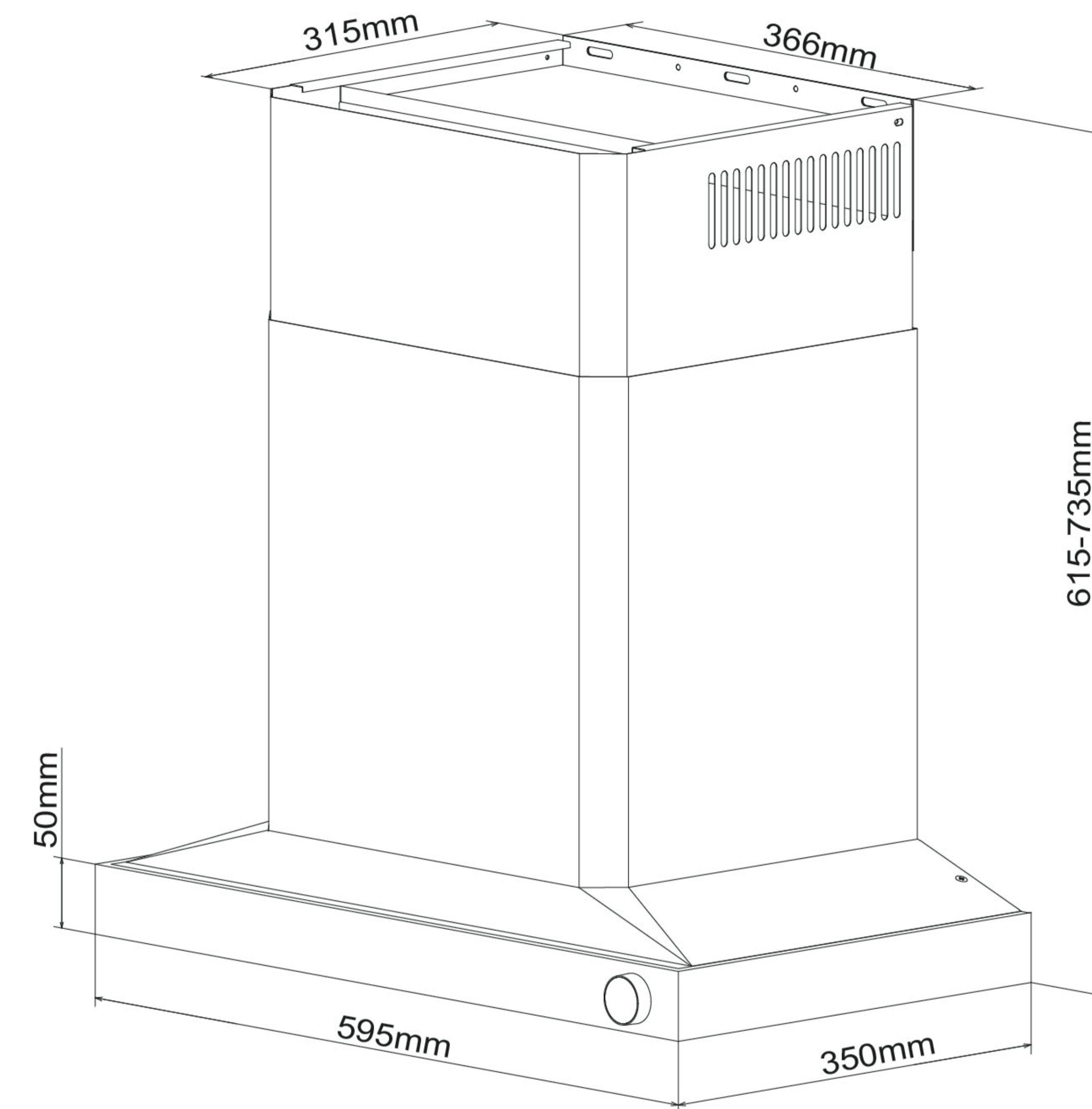
#### Recycle model

| Model     | Test By IEC Standard        |           |                         | Oil filtration rate |
|-----------|-----------------------------|-----------|-------------------------|---------------------|
|           | Air flow(m <sup>3</sup> /h) | Noise(dB) | Max Static Pressure(Pa) |                     |
| CHS6002-R | 615                         | 55        | 330                     | 97%                 |



Air flow and Max Static Pressure: Deviation between express value and measured value is less than 5% of the express value.

### Product Basic Conditions



Component Name Diagram

