

CBU1 Ceiling Built-in Unit Installation, Operating & Maintenance Instructions

Westin

CONTENTS

1. INTRODUCTION
2. IMPORTANT INFORMATION
3. EXTRACTION PERFORMANCE
4. INSTALLATION
5. OPERATING INSTRUCTIONS
6. MAINTENANCE
7. SPECIFICATIONS

1. INTRODUCTION

During the cooking process, there will be heat, vapours and fumes produced. Your *Westin Ceiling Extractor* has been designed to complement your kitchen both in looks and performance in order to create a good environment for creative cooking.

2. IMPORTANT INFORMATION

The exhaust air must not be discharged into a flue which is used for exhausting fumes from appliances supplied with energy other than electricity e.g. oil- or gas-fired central heating boilers, gas-fired water heaters, etc.

Requirements of the relevant authorities concerning the discharge of exhaust air must be complied with.

Pay particular attention to fire risk when frying. To minimise the risk of fire, all instructions relating to cleaning the grease filters and removing grease deposits must be adhered to.

Do not flambé under the extractor.

WARNING

Proper care must be taken to ensure that the negative pressures caused by high performance extraction systems do not adversely affect the safe operation of certain types of fuel-burning appliances (gas, oil or solid fuel), including those installed in the kitchen and possibly also those installed in other parts of the house.

Where such fuel-burning appliances are installed, adequate ventilation **MUST** be provided in the room of installation, located and sized such that the negative pressure in the room created by the extractor does not exceed 4Pa.

In case of doubt, do not operate the extractor and fuel-burning appliance(s) simultaneously and consult an appropriate (for the fuel type) expert for advice.

ELECTRICAL SAFETY

This appliance requires an earth connection.

Ensure that the supply voltage corresponds to that marked on the rating label inside the extractor.

The extractor must be isolated from the electrical supply before carrying out any cleaning or maintenance operations.

The clearance between the hob burners and the bottom surface of the extractor must be at least 750mm to prevent overheating of the extractor and its components.

Please also note that a 90° bend in flexible ducting will require 215mm minimum headroom to give a smooth radius with no kinking.

3. EXTRACTION PERFORMANCE

As its name suggests, this type of extractor is designed to fit into the ceiling void, with only the underside and outer flange visible when installed.

Because fumes spread out as they rise a unit larger than the hob area is desirable, although not always possible. The

perimeter extraction system is designed to conceal the grease filters and to minimise fume escape. Warm cooking fumes that do escape tend, initially, to accumulate in the highest part of the room so situating the unit at this height is of benefit. It will perform best when it is situated directly over the hob.

The primary influence on the overall performance of the extractor is the design of the ducting which takes the exhaust air from the extractor to the outside. The duct route should be a prime consideration during the initial stages of the kitchen design (Westin do not recommend recirculating air back into the kitchen).

Please note the following:

- Easy access to the duct route during installation is important. Lack of access may require the "blind" fitting of flexible ducting, with increased risk of unseen kinks and impaired efficiency.
- The extractor is provided with a spigot suitable for connecting 150mm diameter ducting.
- **Note:** the cross-sectional area of 150mm diameter duct is the minimum area consistent with efficient extraction.
- The most efficient configuration is to duct straight through an outside wall so try to position the cooker against an outside wall when designing your kitchen.
- Your extractor can be set to vent to the top, rear/front (long side) or left/right (short side). Use the exhaust position which gives the shortest achievable duct route and least number of bends. Joist positions will often determine what is achievable.
- Rigid 150mm round ducting or an equivalent flat channel system (available from *Westin*) will perform best, with semi-rigid (often referred to as flue liner) being the second best solution. Flexible ducting is economical but its use should be minimised as it gives the worst performance and should only be used for short duct runs or initial connection and should be pulled taut to prevent significant losses in extraction efficiency.
- For maximum efficiency, ducting should be kept as short as possible and as straight as possible with a constant cross-sectional area being no less than that recommended by Westin. Bends in the duct will also degrade performance so the number of bends in a duct run should be kept to a minimum and be gradual and smooth to prevent turbulence. Avoid kinks in flexible ducting; pull flexible ducting taut over straight runs to ensure that the internal surface is as smooth as possible.

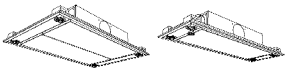
4. INSTALLATION

The extractor is designed for installation within a cutout in the underside of the kitchen ceiling.

The grease filters and lamps (bulbs) should be removed and the exhaust spigot/fan set to the required position prior to installation.

- The grease Filters are located in the extractor baseplate behind the filter concealment panel(s) (door(s)).
- The exhaust spigot or fan assembly are accessed through the filter openings.
- The fixing holes are hidden behind the lamps and are accessed through the lamp openings.

Detailed drawings showing fixing positions and suggested installation arrangement can be found on page 5.



CBU1 Ceiling Built-in Unit Installation, Operating & Maintenance Instructions

4.1. Opening the filter concealment panel.

PRESS TO OPEN – PRESS TO CLOSE

Press the long edge of the panel inwards, on the latch side (the long edge opposite the hinge), with two hands positioned close to the corners until a click is heard – the latch is now open. Carefully open the door and remove the filters. The door is closed by pressing inwards again until both latches click into their closed positions, holding the panel firm.

Take care! Ensure that both latches have either opened or closed together – if the latches are out of phase (one open and one shut) press an appropriate corner to lock or open one latch and correct the problem.

4.2. Setting the Exhaust Position.

Your extractor exhaust spigot can be set to vent to the top, rear/front (long side) or left/right (short side – default unless requested otherwise).

The exhaust spigot assembly refers, in the case of remote fan models, to the 150mm duct spigot, 6 pin remote fan connection socket and mains electricity supply cord. Internal blower models carry the fan as part of the exhaust spigot assembly.

Each exhaust position has 4 captive nuts onto which can be bolted either the exhaust spigot assembly or a blanking plate.

- Bolt the exhaust spigot assembly into the required location by swapping it with a blanking plate as necessary.
- When changing the exhaust position, care should be taken not to excessively pull or twist the cable attached to spigot assembly.

You may find this easier with the electrical top box separated from the baseplate housing the filters. The top box is secured with screws through the baseplate into captive nuts. Take care not to excessively pull or twist the cable going to the low voltage lights and if in any doubt contact Westin for advice.

Please call Westin if you require any help changing the exhaust position.

4.3. Removing the Lamps.

The extractor is fitted with 4x20W 12V dichroic lamps; one in each corner. You may be familiar with these bulbs as they are often used in ceilings. Bulbs are removed by squeezing the spring clip holding them in place, thus releasing the lamp which can then be withdrawn.

4.4. Prepare Opening

Prepare an opening in the ceiling into which the unit will be fitted. Reinforce the opening as necessary and make suitable provision for accepting the screws that will hold the unit in place. Detailed drawings are provided on page 5 that show the fixing holes, unit dimensions and a typical opening arrangement.

Unit Size (mm) (Width x Depth)	Cutout Size (mm)
900 x 440	855 x 395
1200 x 440	1155 x 395
900 x 785	855 x 740
1200 x 785	1155 x 740

4.5. Ducting

Install ducting taking note of the advice given in section 3.

If terminating on an outside wall a suitable weather louvre should be fitted. Various ducting components and complete kits are available from Westin to suit most installations.

If using expanding foam make sure that flexible ducting is supported internally to prevent it crushing or use rigid ducting through the wall where foamed.

For roof or chimney duct terminations please contact Westin or seek alternative specialist advice.

4.6. External Wall and Inline Fans

If your extractor has been purchased with a standard inline or external wall fan then your extractor will have a 6 pin socket, mounted close to the spigot, for connection of the fan.

The fan comes with a 5m length of 6 core cable fitted with a special plug.

The fan should be installed in accordance with the installation instructions that accompany it.

No separate power supply is required for the external fan.

Fan extension cables (5m) are available from Westin.

4.7. Electrical Installation

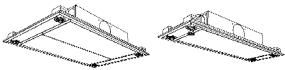
ELECTRICAL HAZARD
DISCONNECT ELECTRICAL SUPPLY
BEFORE PROCEEDING FURTHER

The extractor is a stationary appliance designed to be connected by fixed wiring to the electrical supply. A qualified electrical technician must perform the electrical installation.

The extractor must be fed from a 230Vac single phase electrical supply using a switched spur fitted with a 3A fuse. The switch should be located so that the supply can be disconnected from the extractor using the switch at any time following installation – the switch must be accessible. The means of disconnection from the supply must have a minimum contact separation of 3mm in all poles. Alternatively, a means of disconnection in the fixed wiring according to the relevant wiring rules must be fitted.

A supply cord for connecting the spur to the extractor is included. The mains supply is connected to the free end of this cord as follows:

INCOMING SUPPLY CORD CONNECTIONS	
Core	Core Colour
Live	Brown
Neutral	Blue
Protective Earth	Green/Yellow



CBU1 Ceiling Built-in Unit Installation, Operating & Maintenance Instructions

4.8. Fixing the Extractor in Position

Please note the following prior to commencing installation:

- You will need at least 2 people to fit this extractor; to lift, hold and fix the unit in position:
- A working platform or scaffold should be used so that the ceiling opening can be reached and the unit fixed without the use of ladders.
- We recommend that the unit is supported close to the opening for connection of ducting and electrical supply prior to insertion. A platform is recommended for this, however, a third person could make the connections.

This prevents excessive lengths of flexible ducting being pushed into the opening and the resultant losses in efficiency which that would cause (see section 3).

This is unnecessary if access to the ducting is available with the unit in place. Note that the exhaust spigot assembly can be unscrewed and withdrawn into the unit and the ducting thus connected with the unit in place. The exhaust spigot assembly can then be reattached. This will require there to be some movement in the ducting to allow you to pull it into the unit and may be impractical on smaller units.

- 4.8.1. Push the extractor up through the prepared opening and check that the fixing holes in the extractor are compatible with the provisions you have made. If not make corrections to the ceiling cutout area, as necessary, so that the fixing points provided on the extractor can be used.

ELECTRICAL HAZARD
DISCONNECT ELECTRICAL SUPPLY
BEFORE PROCEEDING FURTHER

- 4.8.2. If using an external or inline fan connect the fan's electrical cable (6 pin plug) now and **secure the earth connection eyelet to the earth connection stud adjacent to the socket.**

Connect the electricity supply cord on the extractor to the mains electricity switched spur.

- 4.8.3. To attach the ducting prior to insertion support the extractor in position just below the opening so that the spigot is accessible and attach the ducting to the spigot using straps (supplied in Westin ducting kits) or a suitable alternative, e.g. jubilee clip, do not use duct tape as the only means of fixing.

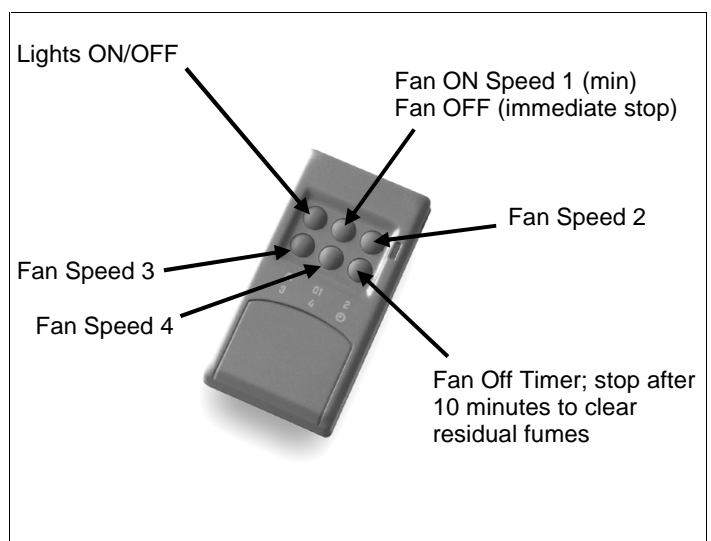
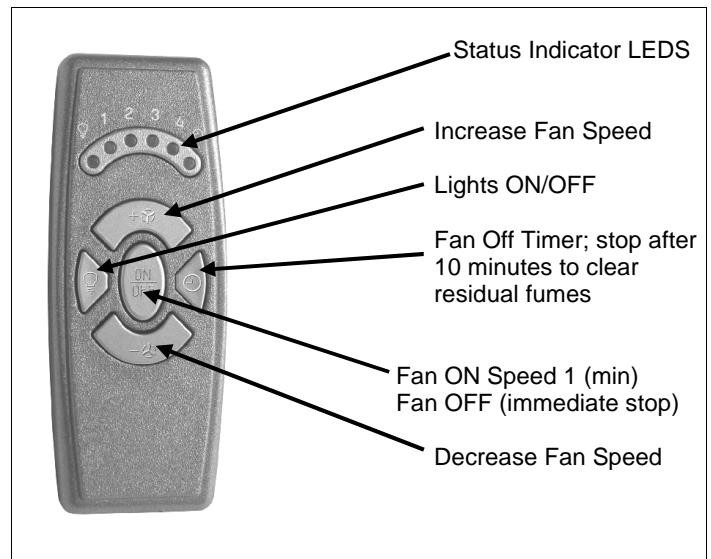
- 4.8.4. Push the extractor into the cutout and secure in place using suitable fixings (not supplied), taking care not to crush or introduce excessive bends/kinks in the ducting. If you have not yet connected the ducting do so now, as described earlier.

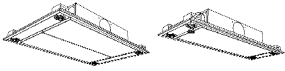
5. OPERATING INSTRUCTIONS

Switch on the power at the fused spur.

- The unit is operated by radio remote control.
- Should your remote control stop working you should install a new battery before seeking further assistance.
- If you experience interference problems or the remote appears to be faulty from new then a different radio transmission frequency may be required.
- Refer to the instruction leaflet included with the radio remote control console regarding battery replacement and transmission frequency changes before seeking assistance.
- The extractor controller will automatically switch off the appliance if there has been no operator action for 4 hours.

The following illustrations summarise the functions of the two remote control styles in use.





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6. MAINTENANCE

CAUTION

To minimise the risks of fire, all instructions relating to cleaning grease filters and removing grease deposits must be adhered to.

Regular maintenance is essential to ensure good performance and long life.

- To clean the stainless steel surfaces of the extractor use a suitable cleaning agent such as *Stainless Steel Cleaner and Polish* (obtainable from Westin). Glass surfaces should be cleaned with a suitable glass cleaning agent. **Do not use abrasive cleaning materials or products.**
- Clean the grease filters in a dishwasher or by hand - washing in hot water and detergent. Wash the filters at least every 2 months - sooner if the extractor is used extensively.
- To maintain the immaculate appearance of the extractor, and to minimise fire risk, ensure that grease deposits on the extractor surfaces are kept to a minimum by regular cleaning. Pay particular attention to the extractor baseplate where air is drawn through the perimeter extraction slot (the area around the edge of the filter concealment panel) as dirty deposits in this area will accumulate more readily than in other parts of the extractor.

Accessing the filter(s) and baseplate

PRESS TO OPEN – PRESS TO CLOSE

Press the long edge of the filter concealment panel upwards, on the latch side (the long edge opposite the hinge), with two hands positioned close to the corners until a click is heard – the latch is now open. Carefully lower the door.

The filters can now be removed and the entire baseplate is exposed for cleaning.

The door is closed by pressing upwards again until both latches click into their closed positions, holding the panel firmly closed.

Take care! Ensure that both latches have either opened or closed together – if the latches are out of phase (one open and one shut) press an appropriate corner to lock or open one latch and correct the problem.

Replacing the Lamps.

The extractor is fitted with 12v 20W Halogen GU5.3 dichroic lamps (bulbs); one in each corner. You may be familiar with these bulbs as they are often used in ceilings.

ONLY Replace with lamps of the same type and rating as those factory fitted. Installing lamps of a higher rating WILL cause the internal electronics to fail.

- Do not touch bulbs that have been working within the last 5 minutes; allow them to cool.
- Bulbs are removed by squeezing the prongs on the spring clip holding them in place, thus releasing the bulb which can then be withdrawn.

Carefully pull the bulb downwards to expose the terminal block and, holding the lamp and terminal block, gently separate the two

Fit replacement bulb.

7. SPECIFICATIONS

CBU1 – All Models fitted with Single Internal Blower or Inline SEM1	
Blower airflow, nominal:	1,000 m ³ /hr
Noise level (max):	62dBA
Noise level (Typical Max Installed 1m from fan):	56dBA
Supply voltage:	230V~ 50Hz
Halogen lamp voltage:	12V
Blower power input:	300W
Halogen lamp power:	4 x 20W
Total power:	380W
Recommended fuse size for electrical supply:	3A
Blower spigot diameter:	150mm

CBU1 – All Models fitted with External Wallmounted SEM2	
Fan airflow, nominal:	1,000 m ³ /hr
Noise level (Max):	62dBA
Noise level (Typical Max Installed 1m from fan):	56dBA
Supply voltage:	230V~ 50Hz
Halogen lamp voltage:	12V
Fan power input:	150W
Halogen lamp power:	4 x 20W
Total power:	230W
Recommended fuse size for electrical supply:	3A
Blower spigot diameter:	150mm

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Fig. 1: 3D General Arrangement

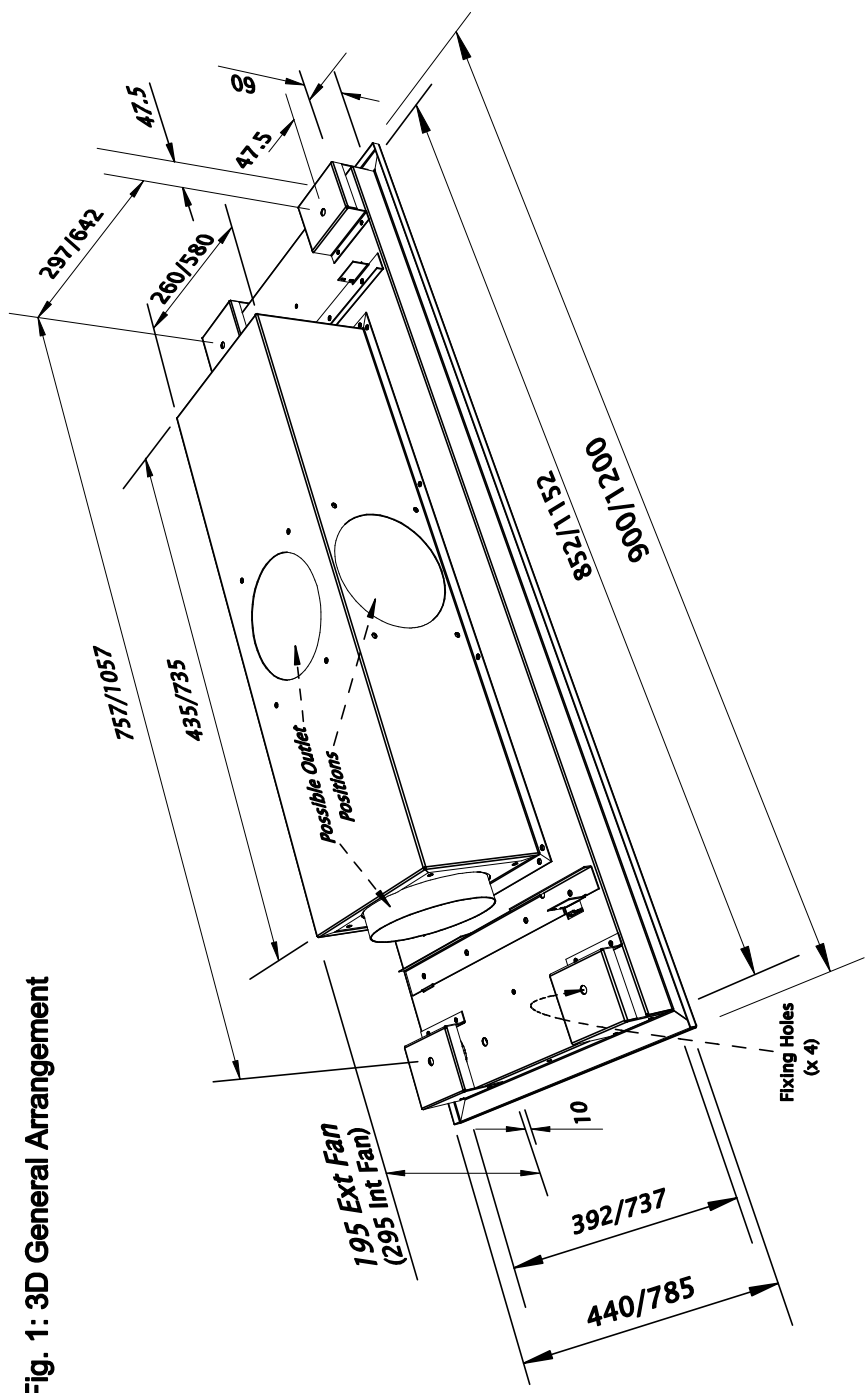
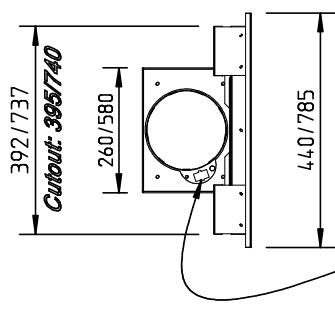
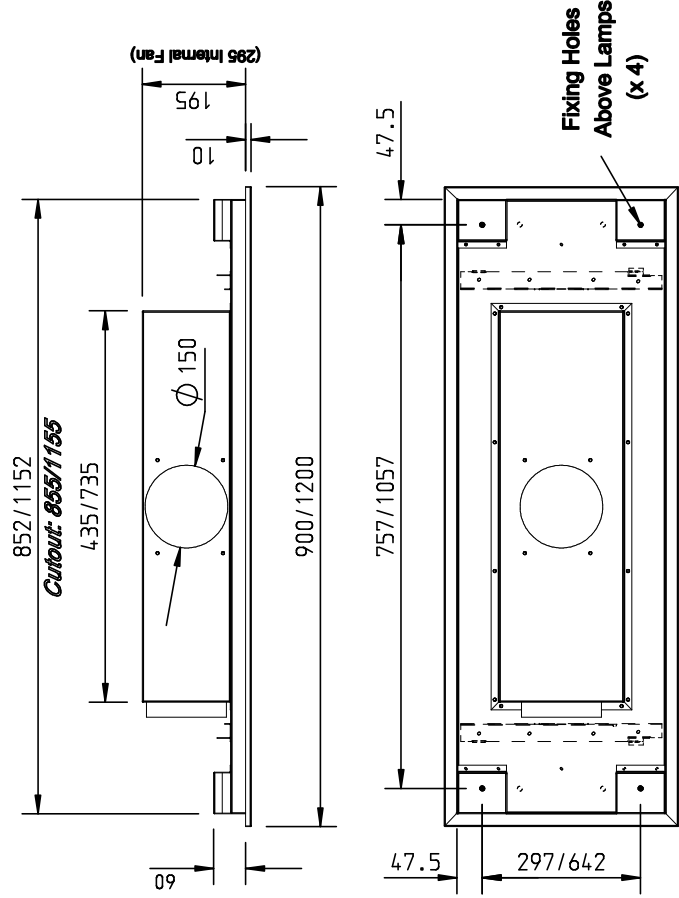


Fig. 2: 2D General Arrangement



Power cable and fan connection socket adjacent to chosen exhaust position.

Fig. 3: Suggested Installation Arrangement

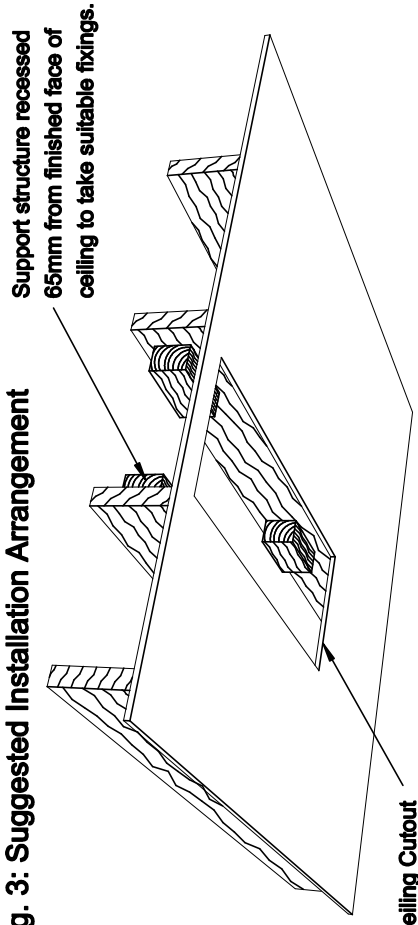


Fig. 4: Fixing Hole Detail

