



INSTALLATION AND OPERATING MANUAL

OF ISLAND EXTRACTORS



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FALCO THE COMPANY

Falco Domestic Appliances was founded in 1991 and is proud to be a trusted name in the South African appliance industry.

Our business has been built on providing higher spec products offered at reduced prices.

More importantly, is the service aspect of our business, we value every customer and will always strive to assist to the best of our ability.

We thank you for supporting our company by purchasing this product and we hope that it will give you many years of use.

USING THIS MANUAL

Before installing the appliance, we strongly recommend that you read through the entire manual which includes safety instructions, proper installation and use of its functions.

It is important that you retain these instructions, proof of purchase for future reference.

Due to ongoing product development Falco reserves the right to alter specifications and appearances without notice.

WARNING AND SAFETY INSTRUCTIONS

- Incorrect installation, maintenance and repairs could cause harm to the user. Please ensure repairs are carried out by an authorised Falco technician.
- A damaged appliance can be dangerous. Please check for any visible damage before installation and notify your retailer should there be any signs of damage.
- Before connecting the appliance to the electrical mains supply, ensure that the electrical data on the rating label matches that of the electricity supply. Consult your local electrician if in doubt.
- Do not use electrical extension cables or multi-sockets when connecting your appliance electrically as this could cause a fire hazard.
- Any tampering with electrical or mechanical components can cause injury and will also void the product's warranty.
- During installation and repair the appliance must be disconnected from the mains electricity supply.

CORRECT USE

- To avoid accidental fire do not flambé or grill over a naked flame. If the extractor is switched on it could draw flames into the filter. Fat deposits could then ignite and present a fire hazard.
- Excessive heat can damage the internal components of the extractor.
 - When using the extractor over a gas hob or cooker, select the correct sized pan suitable for the size of gas burner.
 - Regulate the size of the flame to ensure that it does not spread above the sides of the pan.
- When cooking ensure that the extractor is on to prevent the build-up of condensation which could cause corrosion.
- When cooking with oil and fat never leave the pan or pot unattended. Overheated oil and fat could ignite and create a fire hazard.
- Do not use the extractor without the correct grease filters installed to prevent oil build up on the internal motor and other components.

CORRECT INSTALLATION

- Never install this extractor above a solid fuel stove or braai.
- Insufficient distance between the hob/cooker and the extractor could result in damage to the extractor. The minimum distances given in the “installation” section of this manual must be adhered to.
- The maximum distance between the hob/cooker and the extractor as recommended in the “installation” section of this manual must be adhered to. If not a reduction in cooking vapour drawn into the extractor may be experienced.
- If installed to duct outside the correct flue pipe must be used.
- The appliance must not be connected to a chimney or flue that is used by a fireplace or other appliance.
- Should additional ducting be used for outside extraction, a reduction in motor suction power will be experienced. Remedies to overcome this drop in suction power may include an additional inline type of motor or an alternative smooth and rigid type of ducting pipe may be used to help the air flow along easier.

CLEANING AND CARE

- There is a risk of fire if the extractor is not cleaned on a regular basis. Please clean and remove flammable oil deposits.
- Do not use steam when cleaning as it can damage the electrical components.

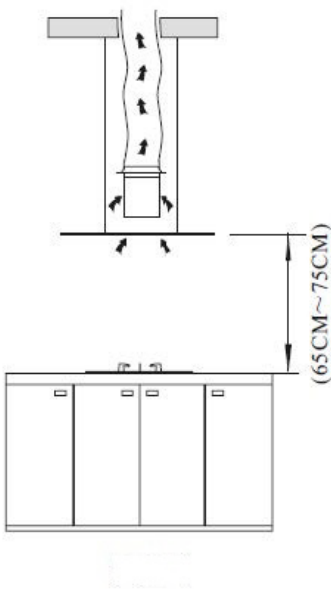
INSTALLATION

TYPE OF EXTRACTION TO BE USED

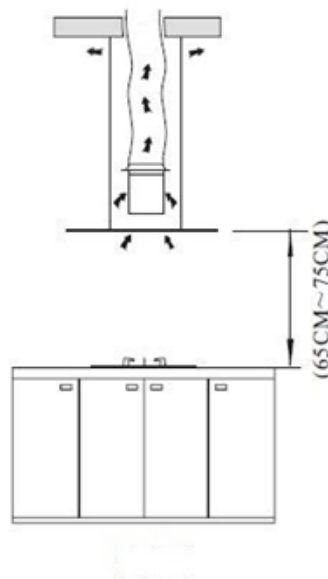
Your extractor can be used in the following two ways:

Outside Extraction is when cooking vapours are drawn in by the extractor, passing through the grease filters, which are then filtered and ducted to the outside by means of a ducting pipe either through the wall or up through the ceiling.

OUTSIDE EXTRACTION



RECIRCULATED EXTRACTION

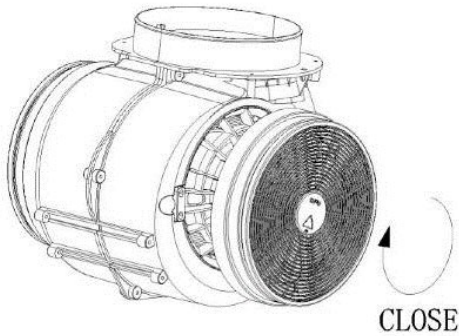


Recirculated Extraction is when the cooking vapours are drawn in by the extractor, passing through the grease filters. The vapour then passes through the charcoal filters before recirculating back into the kitchen space via the outlet grilles on the top chimney piece.

Please ensure that these grilles are not obstructed, even a partial obstruction will restrict the efficiency of the extractor.

CHARCOAL FILTER TYPES

1. Most charcoal filters are round and fit onto the sides of the motor as per the picture below. Once fitted on the motor, turn clockwise to secure in place.



2. On some curved glass models (FAL-90-I38S) the charcoal filters are square in shape and clip into position behind the aluminium grease filters.

It is recommended to replace the charcoal filters every six months.

PRE-INSTALLATION

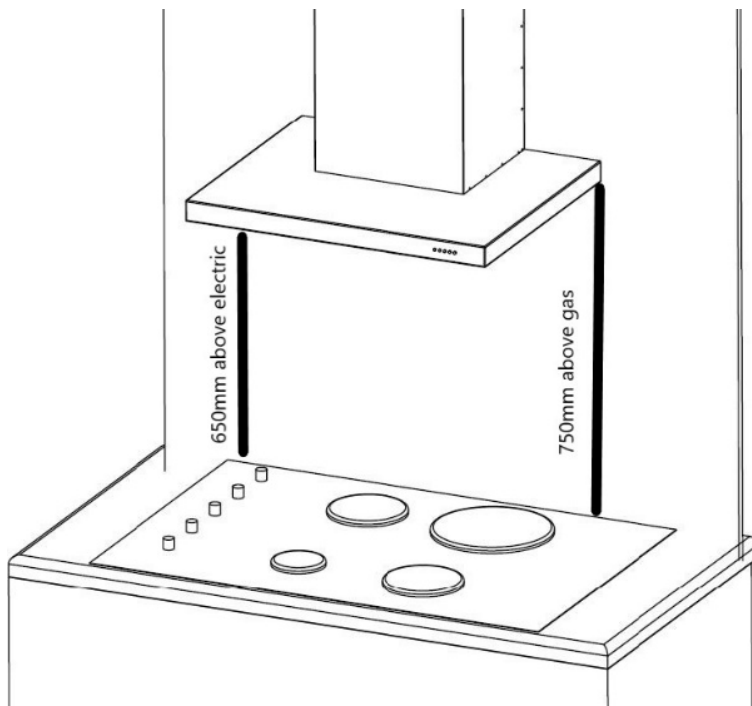
Please ensure that the ceiling can bare the weight of the island extractor. It is recommended that the ceiling can bare at least 100kg. In some instances, due to the weak nature of ceiling boards, it may be required to fit a supporting board to the roof trusses or brandering in order to have more stable base onto which the extractor fan can be hung.

There are three measurements which are important to know before any drilling starts:

1. Measure the distance from hob/cooker to the ceiling.
2. Measure the height of the extractor main body with the two chimneys/flues pieces fitted. Together the combined height of these three pieces will be the maximum extendible height of the extractor.
3. Determine the extractor installation height above the hob/cooker.

If installed above an electric hob – a minimum distance of 650mm is required, but not exceeding 750mm.

If installed above a gas hob – a minimum distance of 750mm is required, but not exceeding.

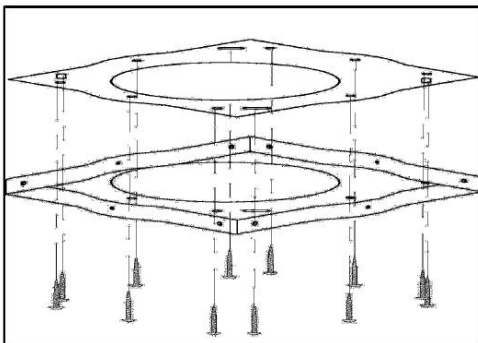


*Please note that if the distance exceeds 750mm less cooking vapour may be drawn in by the extractor for filtration.

Should an additional chimney section be required, please refer to the **Parts and Service** section below for details on where to purchase.

FIXING THE MOUNTING PLATE

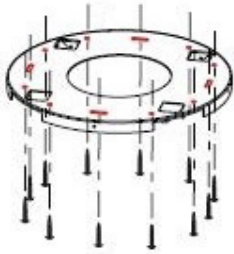
All Falco island extractors make use of a mounting plate from which the extractor fan hangs from the ceiling. They differ in shape and size as per below:



Models: FAL-60-IS60A, FAL-90-IS90A, FAL-90-IS2S, FAL-90-I38S, FAL-90-I22S, AR-90-809, AR-120-809, AR-90-810



Model: AR-90-826



Model: FAL-120-IRS, FAL-35-IRS

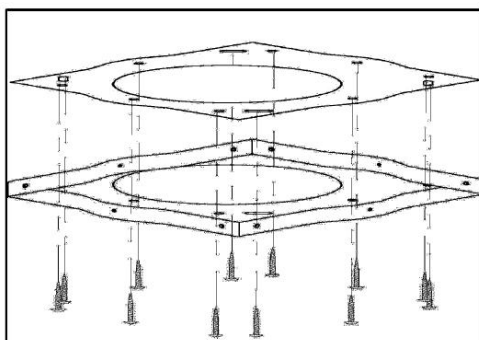
Please ensure that the top of the motor outlet remains closed to prevent any debris which may fall into the motor during the installation process.

Failure to do so may result in the barrel fan breaking on first start-up due to debris damage.

Should any debris accidentally fall into the motor, please remove before starting.

INSTALLATION OF MODELS: FAL-60-IS60A, FAL-90-IS90A, FAL-90-IS2S, FAL-90-I38S, FAL-90-I22S, AR-90-809, AR-120-809, AR-90-810

1. Position the hanging plate at the required position on the ceiling and mark the position of the holes to be drilled. The hanging plate should be fastened securely to the ceiling.

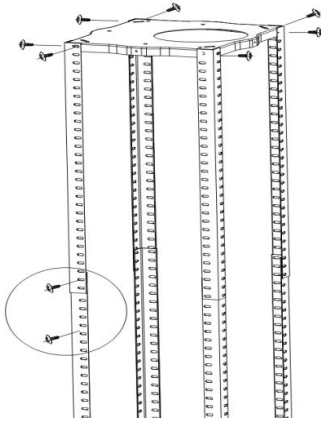


2. Fix the 4 x angle bars to the hanging plate using the provided screws.

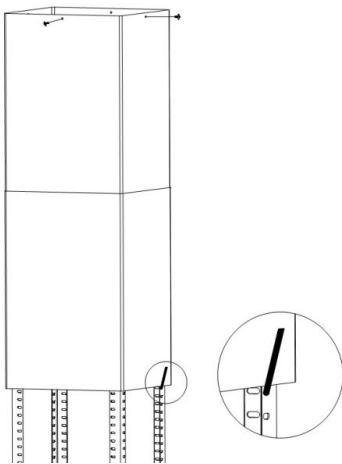
3. Fix the additional 4 x angle bars and extend to create the correct length of the extractor.

Fix them in position using the bolts, nuts and washers provided.

NB: The angle bars must have an overlap of at least 100mm.



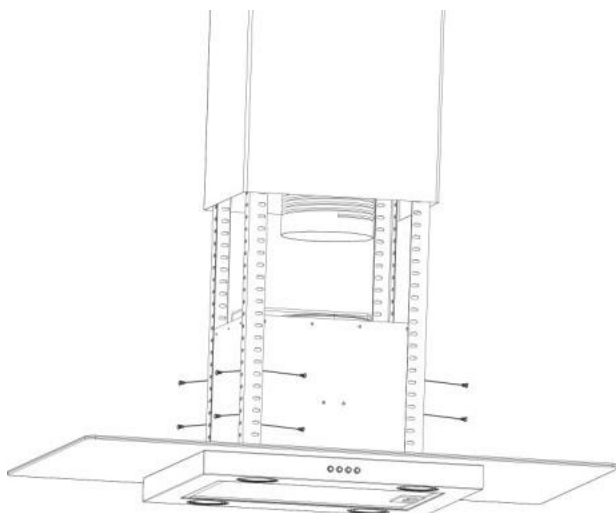
4. If the extractor is going to be installed to duct the air outside, then a hole needs to be cut into the ceiling for the ducting pipe.
5. Fix the upper chimney section (the one with the vents) to the hanging plate by using the 4 x self-tapping screws.



6. Slide the lower chimney section onto the angle bars and raise it high enough to allow enough holes at the bottom of the angle bars to screw to the main body of the extractor fan. The bottom chimney can be held in place by inserting a screwdriver or bolt into one of the angle bar holes just beneath the bottom chimney.
7. If ducting out, fit the pipe through the hole cut into the ceiling.

8. Lift the main body of the extractor to the bottom angle bars and fix into position using the screws provided.

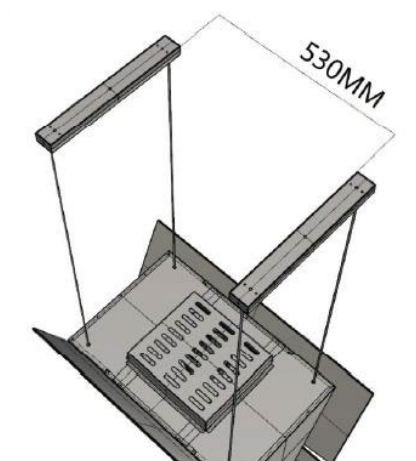
NB: This stage of the installation process requires at least two people



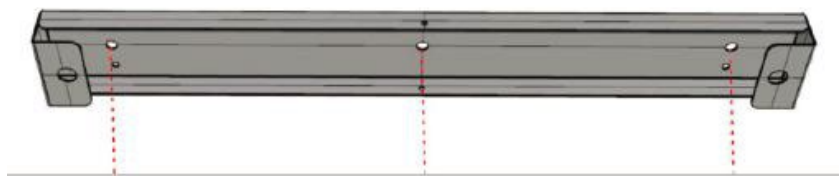
9. The extractor ducting pipe can now be fixed to the top of the extractor motor and the electrical connection can be done.
10. The bottom chimney section can now be dropped down into place by removing the screwdriver or bolt which was temporarily holding it in place. The bottom chimney section will rest on top of the main body of the extractor.

INSTALLATION OF MODEL: AR-90-826

1. Position the hanging plates on the ceiling and mark where the holes need to be drilled.
The distance between the hanging plates should be exactly 530mm, as per the picture below:

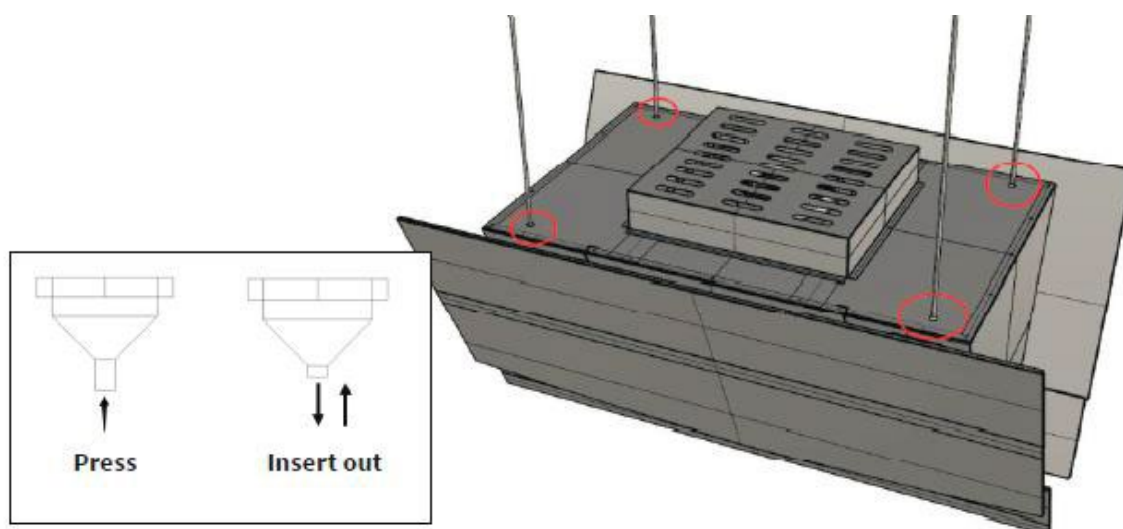


2. Use three anchor bolts to fix the hanging plates to the ceiling. Enquire with the installer on the most suitable type for your ceiling.

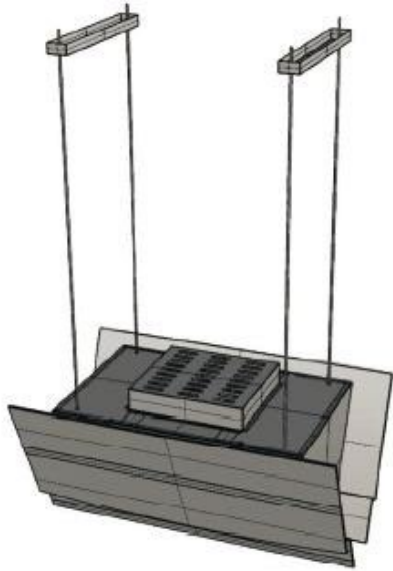


3. Fix the 4 x cables to the top of the extractor fan by inserting them into the cable clamps on top of the extractor.
Adjust the length of the cable to your ceiling requirements.

The cable lengths can be readjusted by pressing the cable clamps downwards as in the pictures below:



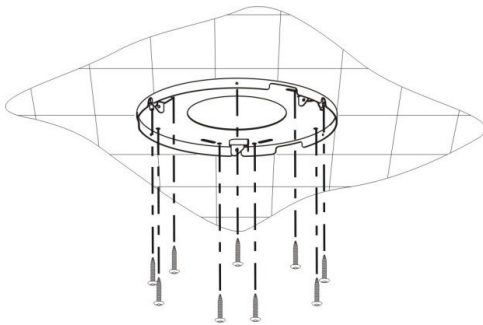
4. At this point fit the “cosmetic” hanging plate covers, by threading the cable through the provided holes. These plate covers will later be fixed into place over the hanging plates.
5. Two persons can now pick up the extractor to hold it in place, while a third person inserts the cables into the hanging plates fixed to the ceiling. The height of the extractor can now be adjusted to the recommended height as discussed on page 6.



6. The electrical connection can now be completed.
7. Fit the plate covers over the hanging plates and fix into place using the 8 x provided screws.
8. The final stage is to fit the charcoal filters to the motor as explained on page 6.

INSTALLATION OF MODELS: FAL-35-IRS, FAL-120-IRS

1. Position the hanging plate on the ceiling and mark where the holes need to be drilled.



In the case of the FAL-120-IRS, make use of the provided template to determine where the 2 x hanging plates must be fixed to the ceiling.

The hanging plate/s should be fastened securely to the ceiling.

At this stage the extractor will effectively be built on the ground and then finally lifted and fixed to the hanging plate.

2. Fix the 3 x angle bars to the top of main extractor body using the provided screws.

SEE FIGURE 1

3. Fix the additional 3 x angle bars and extend to create the correct total length of the extractor.

Fix them in position using the bolts, nuts and washers provided.

NB: The angle bars must have an overlap of at least 100mm.

SEE FIGURE 2

4. At this stage the ducting pipe can be fixed to the top of the motor housing, if installing to duct the air out.

SEE FIGURE 3

5. Fix the triangular reinforcement plate to the angle bars using the provided bolts, nuts and washers.

SEE FIGURE 4

6. Slide the top (inner) chimney into the bottom chimney.

SEE FIGURE 5

7. At this stage the extractor can be lifted upwards by two persons so that it can be fixed to the hanging plate using the provided bolts, nuts and washers.

SEE FIGURE 6

8. Once the extractor is fitted to the hanging plate, the electrical connection can be made and the ducting pipe can be pushed through the ceiling hole.

Slide the inner (top) chimney upwards to fit over the hanging plate and fix into place using the provided the screws.

SEE FIGURE 7

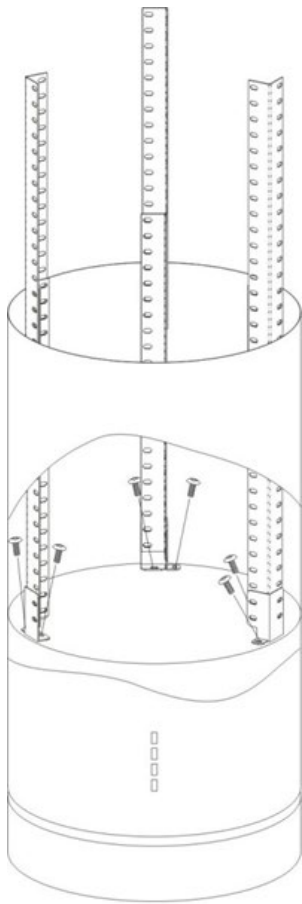


FIG 1

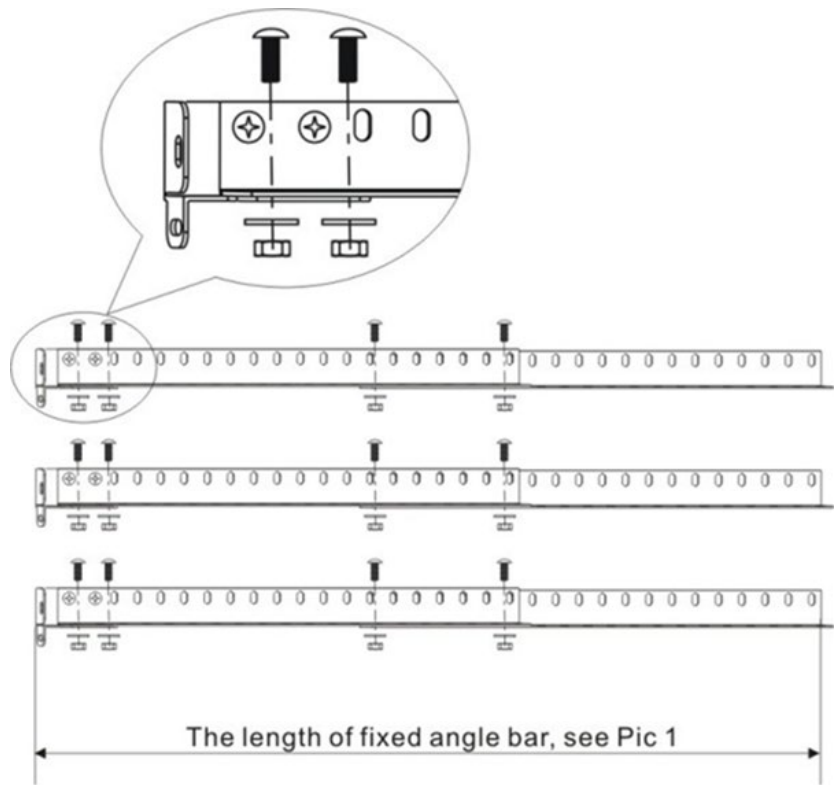


FIG 2

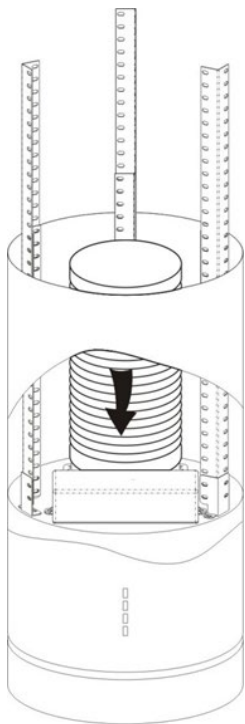


FIG 3

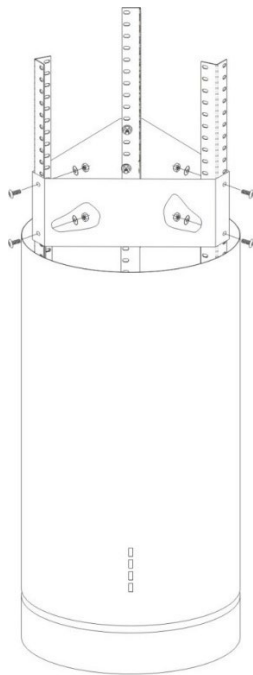


FIG 4

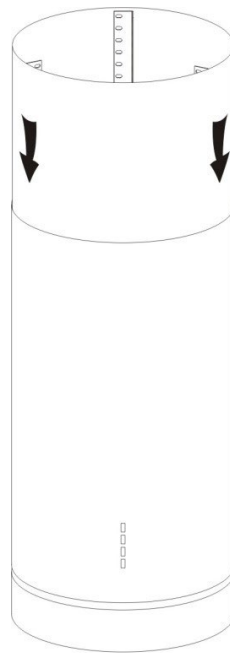


FIG 5

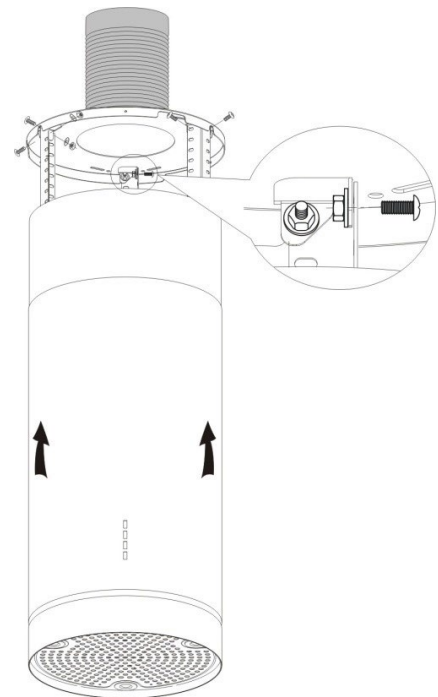


FIG 6

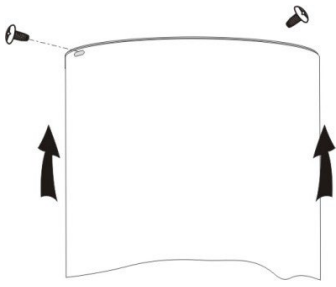


FIG 7

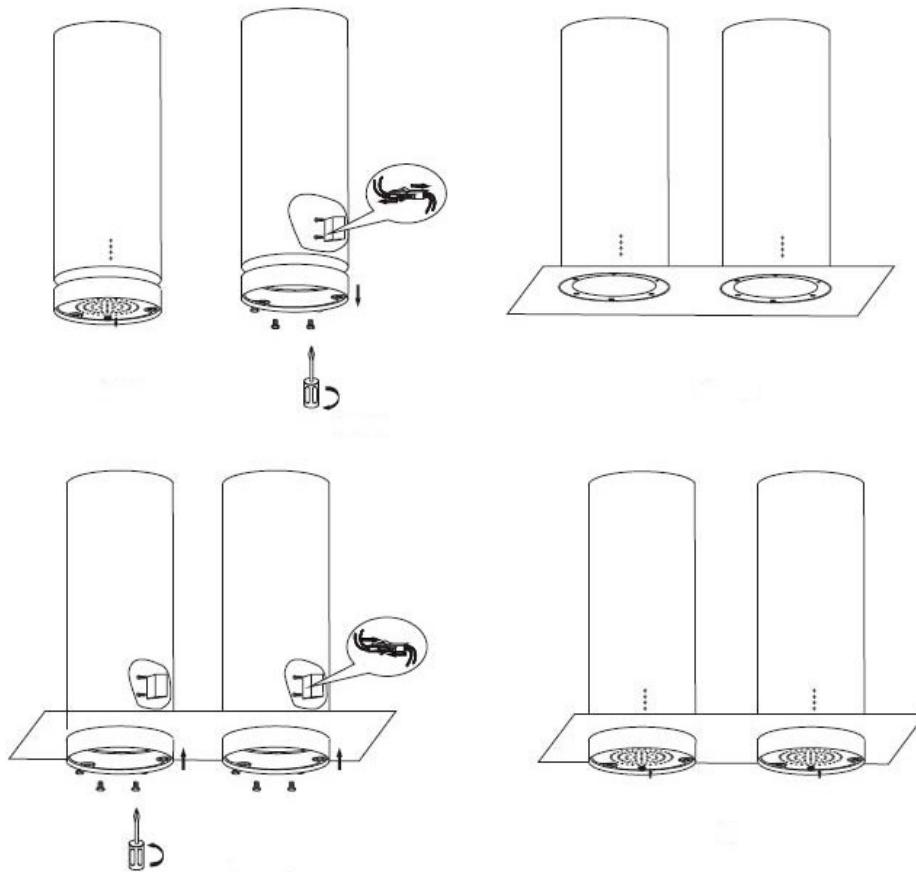
9. In the case of the FAL-120-IRS, use the same method to install the other extractor.

10. Now the glass can be fitted.

Remove the steel filters and the lower decorative rings using a screwdriver of both extractors.

You will need to disconnect the LED lights from the power source in order to fit the glass. Follow the cables from the LED downlights to the plastic electrical box where the cable goes in. Inside will be a electrical connector block which can be disconnected.

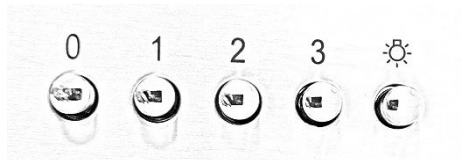
Once removed, install the glass, reconnect the electrical connector block and replace the decorative rings and filters as per the pictures below:



OPERATING INSTRUCTIONS

Please see below the control types applicable to your extractor fan.

MODELS: FAL-60-IS60A, FAL-90-IS90A



LIGHTS

The light function can operate independently from the fan function. Pressing the light button will switch on the downlights. Pressing the light button a second time will turn them off.

FAN SPEED

To switch on the motor press one of the fan buttons once. The extractor has 3 fan speeds available for selection. To turn the extractor off press the power button once.

MODELS: FAL-90-I52S, FAL-90-I38S, FAL-90-I22S, FAL-35-IRS, FAL-120-IRS.



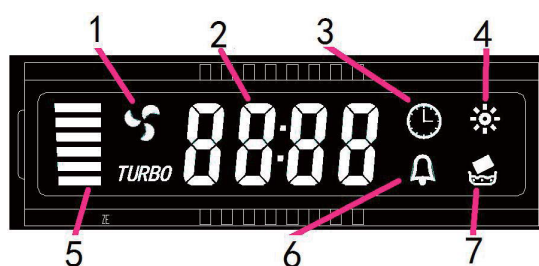
LIGHTS

The light function can operate independently from the fan function. Pressing the light button will switch on the downlights. Pressing the light button a second time will turn them off.

FAN SPEED

To switch on the motor press one of the fan buttons once. The extractor has 3 fan speeds available for selection. To turn the extractor off press the power button once.

MODELS: AR-90-809, AR-120-809, AR-90-810



- 1 – Fan Symbol, will turn on when fan is working
- 2 – Time Display
- 3 – Timer
- 4 – Light
- 5 – Fan Speed
- 6 – Alarm Symbol

7 – Cleaning Symbol appears when total working time reaches 14 hours or at initial start-up.

POWER

When connected to a power source, the extractor will make an audible beep and then go into stand-by mode.

LIGHTS

The light function can operate independently from the fan function. Pressing the light button will switch on the downlights. Pressing the light button a second time will turn them off.

FAN SPEED

To switch on the motor, press the + button. The desired fan speed can be selected by either pressing the – or + keys on the touch control.

CLOCK SETTING

While the unit is **Standby mode** press the clock button to enter the clock setting mode. The hour display will flash, press + and – to adjust the hours. Press the clock button once more to change to minutes. The minutes display will flash, use + and – to adjust the minutes. Press the clock button to save the setting or wait for ten seconds.

TIMER

While the unit is in **Working mode**, short press the clock button to cycle through one of the following timer settings: **OFF – 15MIN – 30MIN – 45MIN - 60MIN – OFF**.

Alternatively, pressing + or – can also be used.

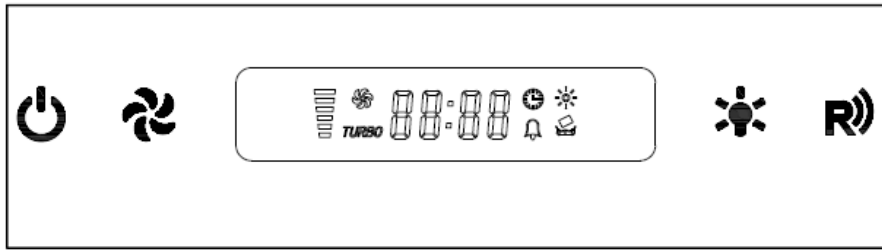
Quick Timer

Press and hold the + and – for one second, the digital display will flash and countdown from five minutes, after which the motor and downlights will switch off.

CLEANING ALERT FUNCTION

The extractor has a function that alerts you when a cleaning cycle is recommended.

Long pressing the light button will turn off the cleaning symbol and reset the total working time of the extractor.

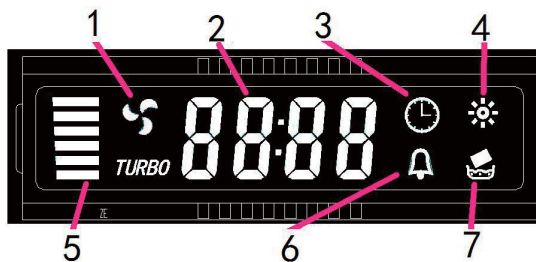


TOUCH CONTROL PANEL



REMOTE CONTROL

Before using the remote control, please remove the battery's plastic film.



- 1 – Fan Symbol, will turn on when fan is working
- 2 – Time Display
- 3 – Timer
- 4 – Light
- 5 – Fan Speed
- 6 – Alarm Symbol
- 7 – Cleaning Symbol appears when total working time reaches 14 hours or at initial start-up.

POWER

When connected to a power source, the extractor will make an audible beep and then go into **STANDBY MODE**.

WORKING MODES

In standby mode, press the power button, the display will illuminate, and the extractor will switch on. The extractor is now in **WORKING MODE**.

If it is the first start up, the motor speed will be low and the downlights will remain off. If the unit was used before, it will revert back to its last operation setting (This will remain the same whether the unit is switched on using the remote control or the touch control panel on the extractor).

- While the extractor is in **WORKING MODE**, and the power button is pressed, the motor will switch off, but the downlights status will remain unchanged.
- While in **WORKING MODE**, and the power button is pressed for three seconds, the motor and downlights will switch off and the extractor will go into **STANDBY MODE**. (If the power button is briefly pressed on the remote control, the above will occur).

CHANGING THE FAN SPEED

If the fan speed button is pressed on the extractor control panel or remote control, the extractor will cycle through the three fan speeds: Low / Medium / High.

This button will not power off the extractor.

LIGHTS

The light function can operate independently from the fan function.

Short pressing the light button will switch on the downlights. Pressing the light button a second time will turn them off.

CLOCK SETTING

While the unit is **Standby mode** press the power and fan buttons together for one second, the following will flash on the display “88:88”. The extractor is now in **CLOCK SETTING MODE**.

Press the power button to select hours or minutes.

Press the fan button to decrease values.

Press the light button to increase values.

To save the time press and hold the power and fan button for one second or wait for five seconds to automatically save the setting.

TIMER SETTING

While the unit is in **Working mode**, press and hold the power and fan button for one second. The display will show the following “00:00” while flashing, the unit is now in timer mode.

Press the power key to select 15min.

Press the fan key to decrease the time by one minute.

Press the light key to increase the time by one minute.

To save the setting press and hold the power and fan button for one second, or simply wait for five seconds to automatically save the setting.

The extractor will count down the time after which the extractor will turn off and go into **STANDBY MODE**.

GENERAL MAINTENANCE

- All external surfaces and controls can be cleaned using small amount of washing -up liquid applied with a soft cloth.
- Do not use abrasive cleaning agents that contain soda, acids, chlorides or solvents such as “Handy Andy”, as well as abrasive sponges as these will damage the surface material.
- Stainless Steel surfaces can be cleaned with special stainless steel cleaning agents.

FILTER MAINTENANCE

- Aluminium filters should be removed regularly and washed using soapy water or the dishwasher.
 - ❖ Some discolouration of the filter may occur if washed in the dishwasher.
- Charcoal filters are designed to remove grease and odours from cooking vapours prior. Charcoal filters should be replaced every six months depending on use.
 - ❖ Fully saturated charcoal filters can become a barrier to free flow air movement restricting the performance of the extractor.
 - ❖ Grease laden filters can also be a fire hazard and should therefore be replaced regularly.

PARTS AND SERVICE

Falco extractors are covered by a 3 year “nationwide” guarantee within the borders of South Africa.

Should a service call be required please contact us on:

Tel: 010 880 1858 / 011 454 4314

Cel: 082 769 2715

Website: www.falco.co.za

Email: service@falco.co.za

WARRANTY

Warranty and service certificate:

This certificate is issued by Falco Domestic Appliances, supplier of Falco models. Hereinafter referred to as 'The Company', to the original purchaser only, of the product/appliances described on the certificate and shall constitute the only warranty given in respect of this product/appliance.

The Company warrants to the original purchaser that for the period of **THREE YEARS** on domestic products from date of purchase the appliance should be free from defect under normal domestic use, both in workmanship and material.

Important Notice:

Please **DO NOT** remove the warning label on the motor housing until the installation is finished. Debris dropped inside the motor housing during installation causes the motor fans to break when the unit is turned on resulting in a very loud and noisy extractor. All fans are tested on the assembly line before packaging.

Venting Outwards and Ducting: Please ensure your ducting hose (if venting outwards) does not exceed more than 2.5m. An additional in-line extraction motor must be fitted in-line with the ducting on all ducting exceeding 2.5m. To avoid a reduction in extraction rate, it is important to keep the length of your ducting under 2.5m. The longer the ducting, the less extraction power your extractor will have unless you fit an additional in-line motor to support in the extraction of the air. Failure to comply with the above shall void the purchaser's warranty until such time they correct the installation.

If not, the warranty is subject to the following conditions:

1. Repair or replacement of any part of this product/appliance, found by The Company to be defective, shall be at the cost of The Company. The Company reserves the right to affect such service through any Service Division authorised by The Company to carry out service on The Company's products/appliances. The cost of the service shall be borne by The Company in full, providing that the product/appliance is located no further than 50km from an authorised service agent.
Where the product/appliance is located beyond the 50km radius, the purchaser shall be liable for the standard travelling charges, as determined by The Company or alternatively, The Company reserves the right to ask the purchaser to deliver any faulty product/appliance to the dealer from which it was bought or nearest service agent, for repairs. After the said repair has been completed, the original purchaser is again responsible for the collection and transportation of said product/appliance.
2. Where the purchaser lives in an outlying area (farms/ remote locations) where appointed Service Agents are limited or non-existent, The Company reserves the right to request such a purchaser to transport the unit to and from the nearest appointed Service Agent for repairs.
3. The Company shall not be held responsible for transportation/other costs other than those incurred within the provisions of Clause 1 and 2 of this Certificate.
4. Abuse, misuse in conflict with the operating instructions or connection to incorrect voltages (generators, solar panels, wind turbines without the additional and compulsory addition of pure sine wave invertors), shall release The Company from all its obligations under warranty. It is an express condition of these warranties that the purchaser takes due care and attention in the installation, use and maintenance of the product/appliance.
5. Any physical damage to the product/appliance that occurred prior to delivery/receipt of the product/appliance will only be included in this warranty provided that it is reported, together with the proof of purchase within 48 hours thereof. Any part on any of the abovementioned products/appliances will be excluded from this warranty, should findings indicate that the parts are damaged or malfunctioning because of any form of physical damage.
6. This warranty shall become void and cease to be valid if the product/appliance is dismantled by, or any repairs to the product/appliance are affected by any person not authorised by The Company, or if replacement parts not approved by The Company are used in any product/appliance, or if the serial number of the product/appliance is removed.
7. These warranties shall not apply if the product/appliance is purchased or used beyond the borders of the Republic of South Africa (Swaziland, Lesotho, Namibia, Botswana and Zimbabwe).

8. The Company shall not be responsible for damages resulting from fire, floods, civil disturbances or any Act of God. The Company shall not, in terms of these warranties be responsible, nor held liable for any consequential loss or damage of any kind caused by or due to the failure or malfunctioning of the appliance/product.
9. Where service is requested under warranty and no fault or any defect is found by the Company service agents, all costs incurred will be for the purchaser's account.
10. This certificate together with the purchaser's proof of purchase (Invoice from Dealer) will serve as proof of purchase. For warranty purposes, it will be essential to produce this Certificate with the Invoice. Failure to do so will render the purchaser liable for service costs.
11. The Company will not exchange any faulty product/appliance still under warranty EXCEPT if the appointed service agent inspects and confirms with valid proof that the appliance is irreparable.
12. This warranty shall become void and cease to be valid if the product is installed at the incorrect height. Please refer to your manual.
13. This warranty shall become void and cease to be valid if the incorrect size Extractor Fan is installed above any electrical or gas hob. Example of such an installation is installing a 600mm Extractor above a 900mm gas or electrical hob.
14. This warranty does not cover rodent or insect infestation.
15. Repairs and parts covered by the Company includes: the motor, the PCB, the power and light switch, the capacitor, the motor fan blade and transformer.
16. This warranty shall become void and cease to be valid if the extractor fan is used for commercial purposes or on the incorrect application. This may be subjected but not limited to; outdoors use, use in commercial kitchens, use on motorboats, use above any braai facilities, boarding school kitchens, restaurant kitchens, coffee shops, tuck shops, commercial cookers and chips fryers. Installing and operating your domestic extractor fan above the wrong application poses a serious fire hazard.

Appointed call centre:

FALCO DOMESTIC APPLIANCES (PTY) LTD

Service call centre: Tel: (010) 880-1858; Whatsapp: 082-769-2715

E-mail: service@falco.co.za

Alternatively book a service call online using the following link: www.falco.co.za/service.

Any service-related queries should be directed directly to the dealer (store) where the unit was purchased. Alternatively, the purchaser can contact the appointed call centre on the details provided above. The appointed call centre, Falco Domestic Appliances (PTY) Ltd, will allocate the service call under the warranty procedure to one of their closest service agents in the purchaser's area. No service call will be considered under the warranties if no proof of purchase can be presented.

Compliments or Complaints regarding service can be directed to Info@falco.co.za