

# Installation Guide

## 90cm freestanding cookers

Your freestanding cooker is designed to fit into a 900mm wide gap between standard kitchen cabinets. The appliance integrates with the kitchen cabinets by matching the height, depth and kick panel. The cooker may also be installed at the end of a line of benches or with a free space either side. In addition, a slot-in type installation is catered for allowing a continuous cabinetry kick panel to be used.

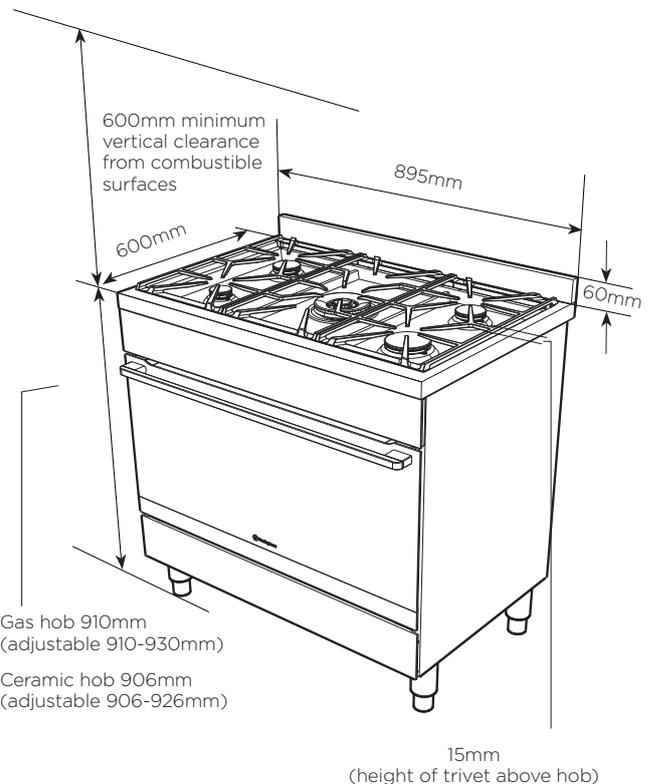
### **WARNING**

- The cooker must be installed and serviced only by an authorised person.
- A Certificate of Compliance **MUST** be supplied to be kept by the customer.
- The packing materials must be removed before you install the cooker.
- The surrounding kitchen cabinets must be able to withstand 85°C. Electrolux **WILL NOT** accept responsibility for damage caused by installation into kitchen cabinets which cannot withstand 85°C.
- The pipes used for installation **MUST** have sufficient loops so the cooker can be moved for service (gas models).
- The vents, openings and air spaces **MUST NOT** be blocked.
- Two anti-tilt brackets are supplied and stored in the base of the packaging
- The anti-tilt brackets **MUST** be installed to avoid accidental tipping (freestanding and slot-in models).
- You **MUST NOT** lift or pull the cooker by the door handle.
- The cooker **MUST** be checked every five years.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance must not be installed behind a decorative door in order to avoid overheating.
- Due to the weight (95-100kg) and size of the cooker, 2 persons are required to install it.

### **Gas model clearance requirements**

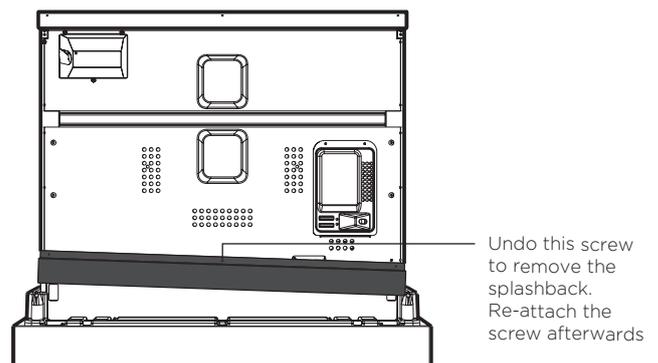
- Ensure the appliance is installed in accordance with clauses 6.2.5 and 6.10.1.1 of AS/NZS 5601.1 or clauses 6.9.1 and 6.9.5 of AS/NZS 5601.2 with regard to clearances to combustible surfaces and materials, and clearances to rangehoods and exhaust fans, to ensure clearances of 200mm from burners to vertical combustible surfaces. Observe the minimum dimension of 100mm from each side of the cooker to combustible surfaces.
- Clearances to combustible surfaces may be reduced if combustible surfaces are protected in accordance with clause 6.10.1.2 of AS/NZS 5601.1, or clause 6.9.2 of AS/NZS 5601.2.
- When setting the cooker height, ensure the top of the cooker is at least 10mm higher than the level of the benchtop.

### **Dimensions**



### **Splashback**

The splashback is secured to the back of the cooker. **REMOVE** the splashback before installing the feet.



To access your detailed user manual simply scan the QR code on your smart phone.

For more detailed information and installation guide refer to user manual at [westinghouse.com.au/manuals](http://westinghouse.com.au/manuals)



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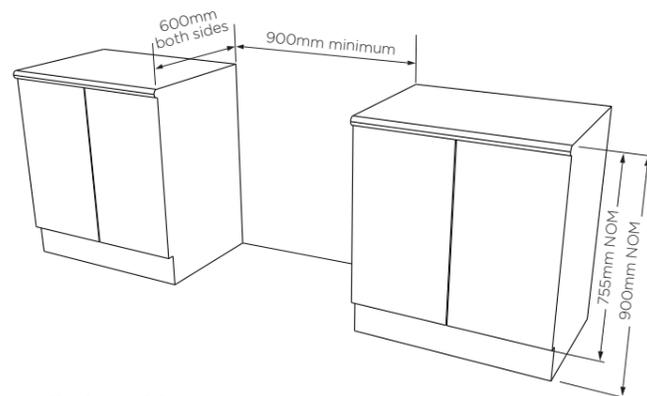
## 90cm freestanding cookers

### FREESTANDING INSTALLATION

The freestanding type installation requires four screw-in feet to be installed before it can be fitted in between cabinets, with cabinets on one side or without adjacent cabinets. There is no clearance requirement to adjacent side cabinets.

To ensure cooker stability, the anti-tilt brackets must be installed.

Four screw-in feet are supplied with the appliance and can be found in the accessories pack in the oven. Select models are supplied with a clip-on kick panel.



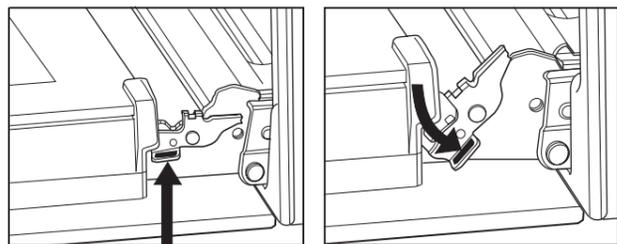
#### Installation of feet

- Freestanding appliances are supplied with four screw-in feet in the internal accessory pack. The screw-in feet can be adjusted by turning the lower half clockwise or anti-clockwise.

#### **i** IMPORTANT

- WFE904 models are supplied with two silver feet and two black feet, it is recommended to install the two silver feet at the front of the appliance for the best aesthetics.
- If the appliance is a gas hob model, remove the burner cap and burner crown. Store all items safely, away from the installation area.

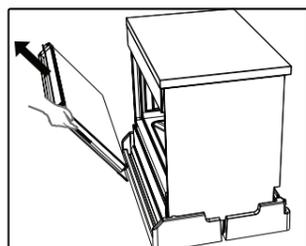
#### 1. You MUST remove the oven door before commencing installation.



Locking tab up at normal position

Press the locking tab down for removing the door.

#### 2. Gently close the door until it comes to a stop. Then lift the door off the hinge.

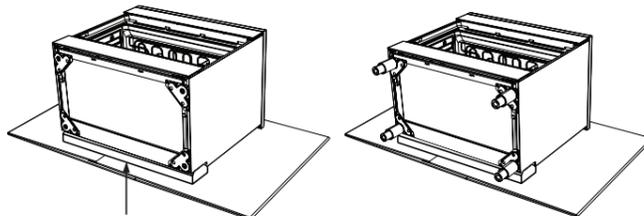


#### 3. Tilt and carefully lay the appliance on its back to gain access to the installation point for the screw in feet.

#### **!** CAUTION

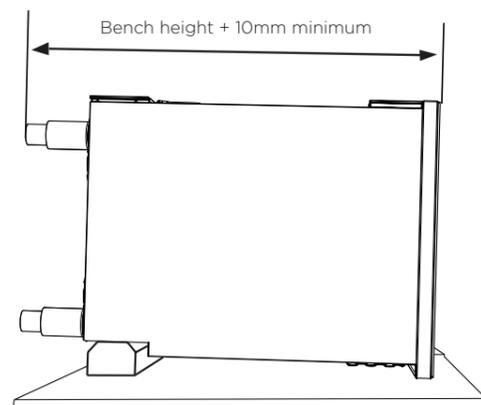
- To avoid scratching the floor and the appliance itself, fold the packaging carton board and place it underneath the appliance as protection.
- The cooker MUST be laid on its back when installing the feet.

#### 4. Install the four supplied feet via the four installation points. Make sure that each foot is securely fastened.



Put the oven door handle protection foam underneath the laid down cooker to protect your cooker when putting it upright

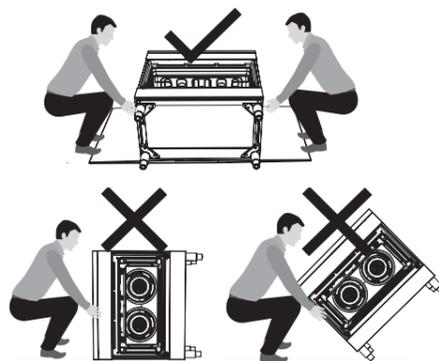
#### 5. Adjust the height of the screw-in feet to make sure the hob surface is 10mm above the bench when appliance is upright.



#### 6. Tilt the appliance upright by lifting the back of the hob and pivoting it about the back two feet.

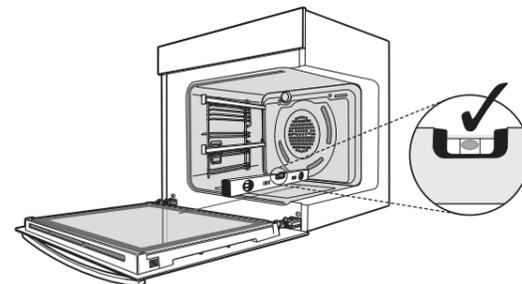
#### **!** WARNING

Heavy item! This step must be performed by two persons.

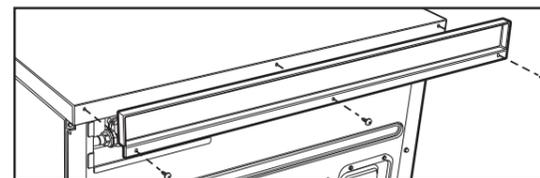


#### Levelling oven

Place a level in the oven as below making sure the level sits on the front and rear forms. Adjust the feet accordingly to level the appliance.



#### Installing splashback

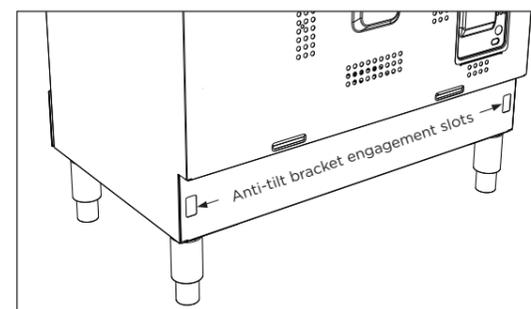


Fit splashback to rear of hob with three screws provided.

### INSTALLATION OF ANTI-TILT BRACKET

To ensure cooker stability, the anti-tilt brackets must be installed.

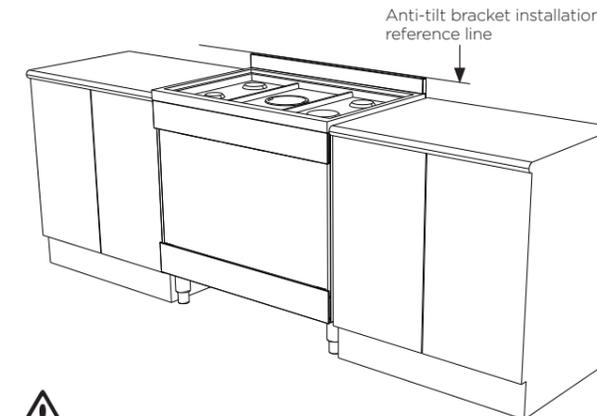
There are left and right engagement slots for the anti-tilt bracket at the bottom rear of the appliance. The following steps must be followed to ensure the correct installation of anti-tilt brackets and the stability of the appliance.



#### **!** CAUTION

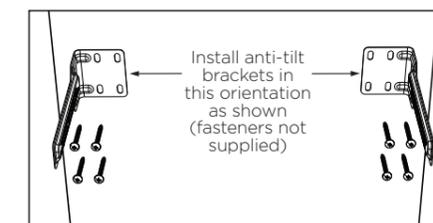
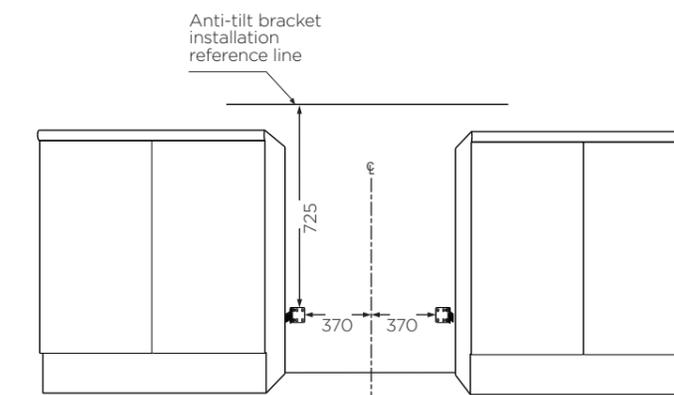
It is not recommended to push and pull the appliance on uneven or rough surface. Use other means to manoeuvre the appliance if necessary.

- Carefully push the appliance into the cabinet cavity until the back of the oven is flush against the back wall.
- Use non-permanent methods to mark a line on the wall along the top surface of the splashback. This line is used as a reference line to locate the correct location of where the anti-tilt brackets need to be installed.
- After the reference line is marked, pull the appliance out of the cabinet cavity to install the anti-tilt brackets.



#### **!** WARNING

- Appropriate fasteners must be used to suit the type of wall on which the anti-tilt brackets are installed.
- Freestanding unit must be pushed up against the wall on installation. On gas units check that the gas hose, if used, has not been kinked during installation.
- The anti-tilt brackets must be secured to the rear wall of the cavity with appropriate fasteners according to dimensions in diagram.



#### Freestanding installation checklist

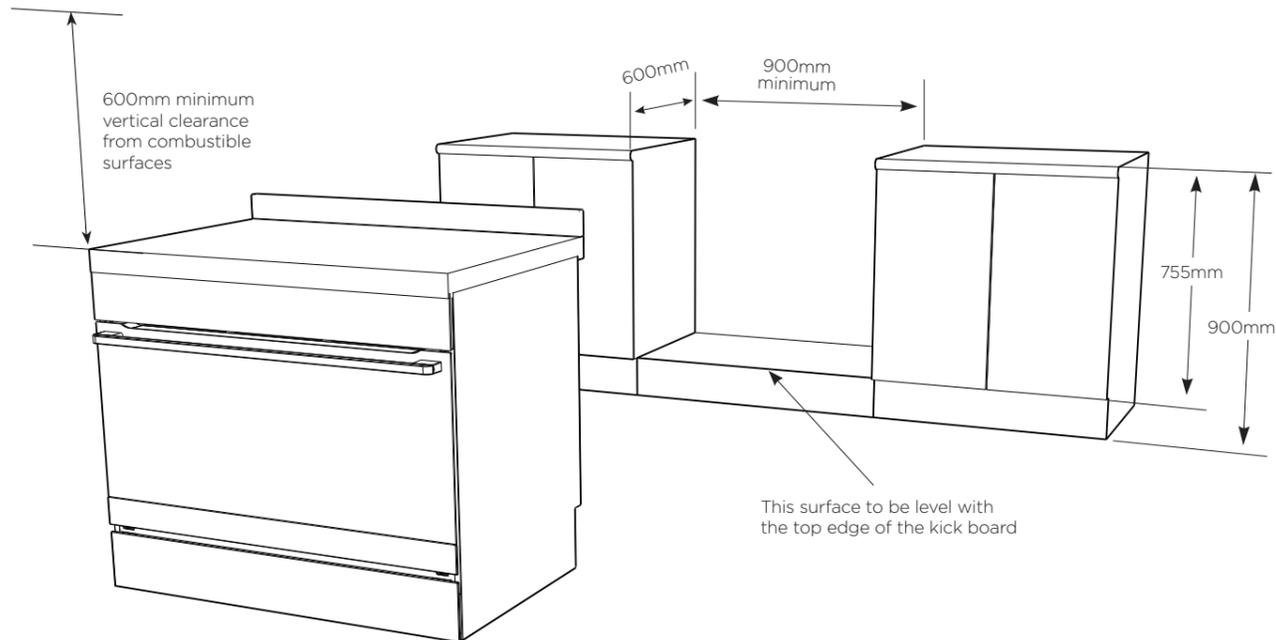
- Connect services to the appliance prior to placing into cavity.
- To locate appliance, slide into cavity ensuring the anti-tilt brackets fully engaged with the rear left and right engagement slots.
- The unit must be pushed against the wall on installation.
- Re-install oven door, burner body, burner caps and trivets after the appliance is placed in the cavity.
- Gas only: check that the gas hose, if used, has not been kinked during installation

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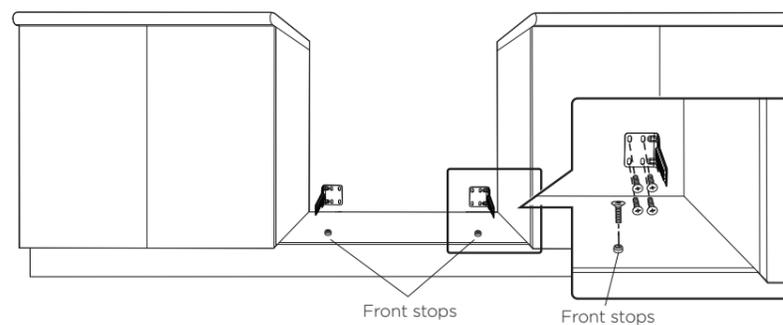
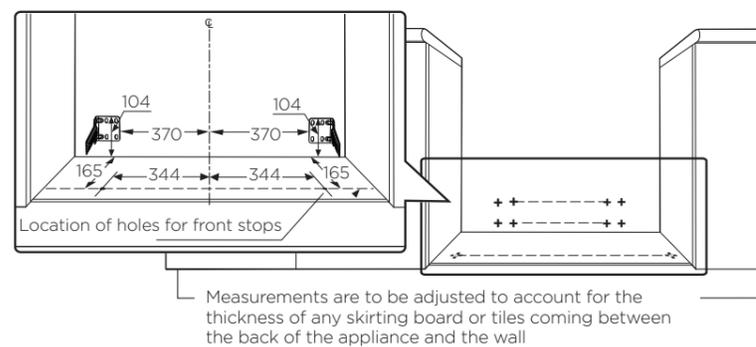
## 90cm freestanding cookers

### SLOT-IN INSTALLATION

The slot-in type installation uses the appliance as supplied. The appliance can be mounted on a plinth. This enables a continuous cupboard kickboard to be installed, giving a more integrated appearance. There is no clearance requirement between oven and adjacent side cabinets.



- The anti-tilt brackets are to be secured to the back wall with appropriate fasteners.
- Two stops are to be screwed to the plinth in locations as shown (stops provided). The stops locate into slots in the base of the appliance to prevent the product from being pulled forward when installed.
- Measurements from the rear wall are to be adjusted if there are tiles etc. that come between the appliance and the wall.
- Once services are connected, product can be lifted onto the plinth and pushed back carefully, ensuring the appliance engages into both brackets at the rear and the front stops.
- If the product requires removal for service, it must be lifted at the front approximately 5mm to clear the front stops prior to being pulled forward.

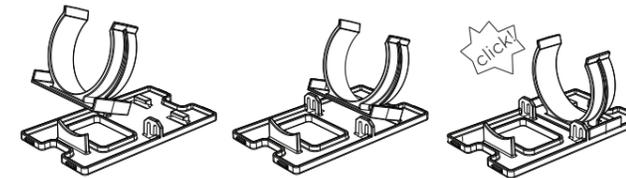


### KICKPANEL INSTALLATION

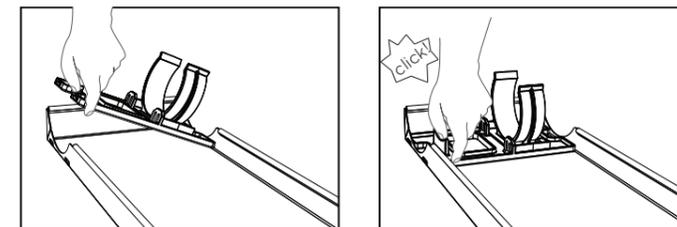
#### Installing the clip-on kick panel

Selected models are supplied with a clip-on kick panel that can be assembled to clip onto the front feet for a more integrated and seamless kitchen appearance.

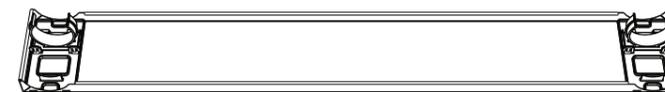
Assemble the clip snap onto the base.



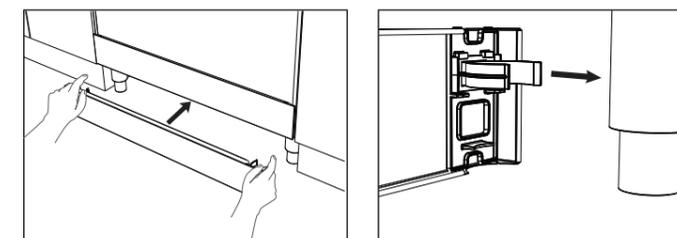
Press in both assembled clip modules into the kick panel in the orientation as shown below.



Make sure both clip modules are in the same orientation after installation.



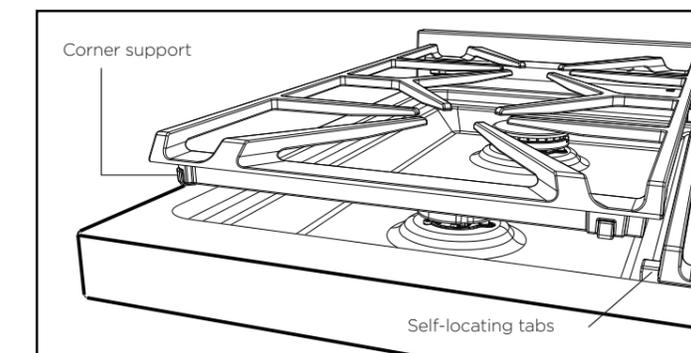
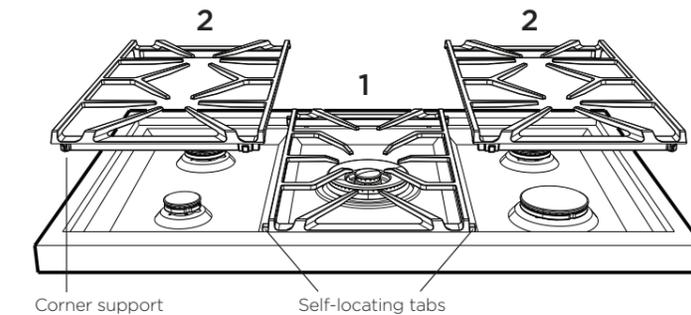
Clip the kick panel onto the front feet of the appliance. Make sure the kick panel snaps onto the larger section of the front feet.



### TRIVET INSTALLATION

#### Installing the trivets

Install the middle trivet first by aligning the trivet with the wok burner and gently placing the trivet on hob. The middle trivet is designed to guide the location of the side trivets. Gently place the side trivets in the orientation shown.



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## 90cm freestanding cookers

### WIRING REQUIREMENTS

The cooker MUST be installed in compliance with:

- Wiring connections in AS/NZS 3000 Wiring Rules.
- Local regulations, municipal building codes and other statutory regulations.

#### For New Zealand Only:

The cooking range must be connected to the supply by a supply cord fitted with the appropriately rated plug that is compatible with the socket-outlet fitted to the final sub-circuit in the fixed wiring that is intended to supply this cooking range.

#### Supply cord size required:

- WFE904/WFE915/WFE916 models - 2.5mm<sup>2</sup>
- WFEP917 models - 4.0mm<sup>2</sup>
- WFE946 models - 6.0mm<sup>2</sup>

The Data plate gives information about rating and is located behind the bottom of the oven door.

- A functional switch MUST be provided near the appliance in an accessible position (AS/NZS 3000 - Clause 4.7.1).
- Wiring MUST be protected against mechanical failure (AS/NZS 3000 - Clause 3.9).
- Disconnection in the fixed wiring must occur in accordance with the AS/NZS 3000 wiring rules.
- The cooker MUST be properly earthed.
- This range must be connected with cable of 75°C rating minimum.
- This product has passed the insulation resistance test after manufacture. If the resistance reading is low at installation, it is probably caused by moisture from the atmosphere being absorbed by the elements after the range has been produced. (pass at 0.01 MΩ AS/NZS 3000 Wiring Rules Clause 8.3.6.3).

*Note: When connections are made to a multi-phase 230/240V supply, the bridge piece MUST be removed from between the active connections.*

#### Rated power input

MODEL	TOTAL KW	A1 KW	A2 KW
WFE946	13.1	3.6	9.5

### IMPORTANT

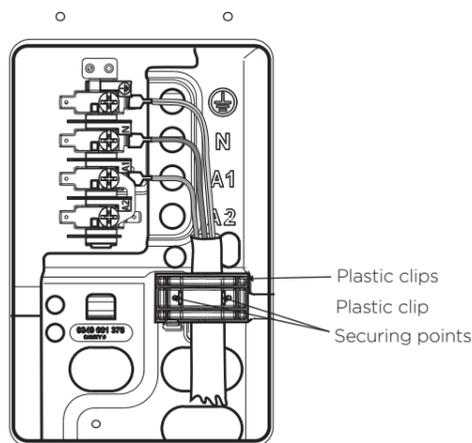
Before you cook in your new oven it is important that the protective oils used in the manufacture of the product be removed.

- Make sure that the room is well ventilated (to allow smoke to escape).
- Run the grill on high for 30 minutes without grill dish.
- Then run the oven on 180°C for 1 hour.

### Connecting to services and commissioning

This appliance must be installed by an authorised person, according to all codes and regulations of:

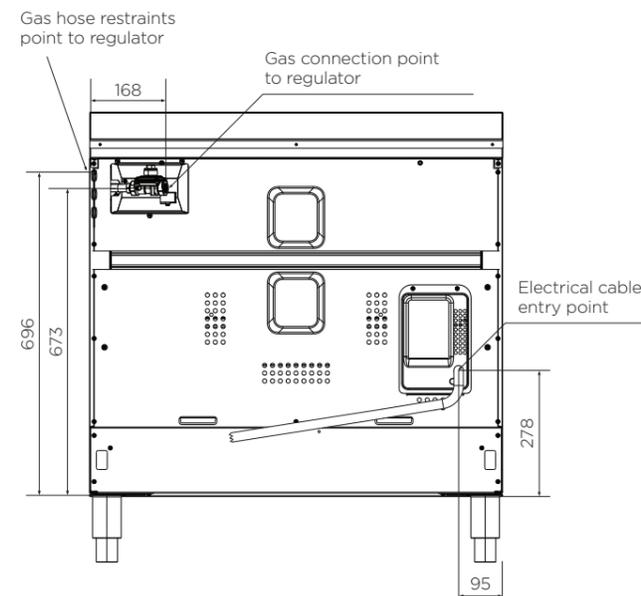
- Electrical supply authorities.
- Building regulations.
- Local government and council authorities.
- AS/NZS5601.1 (particular attention to 6.10.1 and figure 6.3, and clause 6.10.1.11).
- AS/NZS 3000 (particular attention to clause 4.7.1 and clause 3.9).



### Hard wiring detail

1. Remove terminal cover plate from rear panel of appliance.
2. Fit wires through hole in cover plate and make connections to terminals.
3. Engage wires into plastic clip. Secure plastic clip with two long silver screws (supplied in separate bag).
4. Replace cover plate onto rear panel.

### GAS REQUIREMENTS



### Gas pressures

The following table shows the supply and operating pressures for various gases.

GAS TYPE	NATURAL GAS	UNIVERSAL LPG
Supply pressure at inlet to appliance regulator (if fitted)	1.13 (kPa) Minimum	2.75* (kPa)
Operating pressure at appliance test point	1.00 (kPa)	2.6 (kPa)

\*If the regulator is placed upstream of the cooker inlet, as is normal for cookers operating on LPG, then the supply pressure and operating pressure are the same.

### For WFE904 and WFE915 models

The following table shows the injector sizes for each burner.

INJECTOR ORIFICE	NATURAL GAS	UNIVERSAL LPG
Low heat burner	1.00mm	0.55mm
Medium heat burner	1.35mm	0.70mm
High heat burner	1.60mm	0.90mm
Intense heat wok burner	1.75mm	1.00mm

### For WFE916 and WFEP917 models

The following table shows the injector sizes for each burner.

INJECTOR ORIFICE	NATURAL GAS	UNIVERSAL LPG
Low heat burner	1.00mm	0.55mm
Medium heat burner	1.35mm	0.70mm
High heat burner	1.60mm	0.90mm
Intense heat dual wok burner	0.96mm (inner) 3 x 1.07mm (outer)	0.52mm (inner) 3 x 0.58mm (outer)

### Checking piping size

To work out a suitable pipe size for connection use the information in this table.

MODELS	NATURAL GAS	UNIVERSAL LPG
WFE914 & WFE904	49.6 MJ/h	40.9 MJ/h
WFEP916 & WFEP917	54.2 MJ/h	45.5 MJ/h

For information and requirements about construction and capacity of consumer piping refer to AS/NZS 5601.1 series of standards.

### Gas connection

Read these points before connecting to the gas supply:

- The appliance is preset for natural gas use, if LPG is to be used see Conversion to LPG section.
- Gas installation must be made in accordance with AS/NZS 5601.1, the local gas fitting regulations, municipal codes and other statutory regulations.
- The gas connection point is a ½" BSP external thread located at the rear of the appliance as shown.
- The regulator is to be fitted to the manifold inlet at the rear of the appliance and the connection is sealed using a tape or jointing compound suitable for gas connections. The consumer piping is then connected to the inlet of the regulator, either
  1. directly, or
  2. using a hose assembly and in accordance with Clause 6.10.1.9 of AS/NZS 5601.1 (High level connection) together with the supplied elbow. The elbow is fitted to the inlet of the regulator and oriented to allow the hose to hang downward. The connection thread between the regulator and elbow is sealed using a tape or jointing compound suitable for gas connections.

This appliance is supplied set up for Natural Gas usage.

### LPG CONVERSION GAS COOKTOP MODELS

A conversion kit is included with the product for Universal LPG usage. The conversion kit contains 5 or 7 injectors (refer to LPG conversion table) and 1 LPG sticker.

Please follow the procedure below if a conversion to suit UNIVERSAL LPG is required:

1. Remove the hotplate trivets, burner caps and burner crowns to access the hotplate injectors. Replace the factory fitted injectors with the appropriate injectors, as supplied. Refer to injector orifice table for injector sizes. The injector size is stamped on the side of the injector.
2. Unscrew the top hat nut from the regulator. The top hat nut and control pressure spring assembly will disengage as an assembly.
3. Unscrew the threaded pin from top hat.
4. Uprun threaded pin, so spring is free and screw pin back into the top hat until firm.
5. Refit the top hat nut assembly to the regulator ensuring that it is fully screwed down. The regulator is now set for connection to LPG.
6. Turn on the gas supply and at each new connection check for leaks using soapy water. Each hotplate valve should be turned on, one at a time, and the injector hole blanked off for several seconds.
7. The operation of the regulator can be confirmed by connecting a manometer to the pressure test point located on the side of the regulator body adjacent to the outlet.

With the appliance operating check the outlet pressure:

- when all burners of the appliance are operating at maximum,
- when the smallest burner of the appliance is operating at minimum.

Under these conditions the outlet pressure should not vary from the nominal outlet pressure of 2.60kPa by more than ±0.52kPa.

8. If the regulator appears to not be performing satisfactorily then check the following points:
  - If the outlet pressure is consistently too low then the inlet pressure may be too low and adjustment of an upstream

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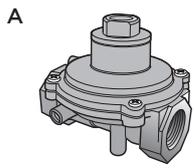
regulator may be needed, or an upstream regulator or valve with insufficient flow capacity may be present in the gas supply line. If this is suspected then it may be necessary to repeat the checks whilst measuring both the inlet and outlet pressure to determine if the inlet pressure is in the range 2.75 – 7.00kPa.

- Check that the insert has been fitted correctly.
- Check that the turret screw is fully screwed down.
- Check that the regulator has been fitted to the gas supply line in the correct orientation, the arrow on the base of the body indicates the direction of gas flow.

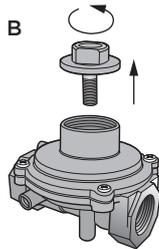
Once these checks have been completed, if the regulator still fails to perform in a satisfactory manner it should be replaced.

9. One by one, turn the knobs to minimum and screw in the bypass screw (accessible when the knob is removed) until a small stable flame results. Turn the knob to maximum and then back to minimum to ensure that the correct minimum flame is maintained.

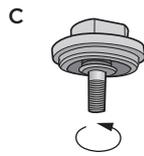
10. Attach the LPG sticker to the cooker, near the gas supply inlet. Cover the Natural Gas label that is factory fitted.



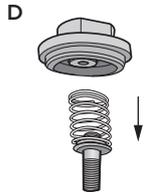
Top hat nut assembly, fully screwed down



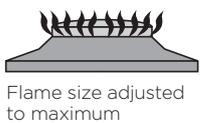
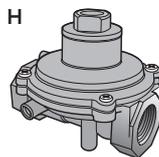
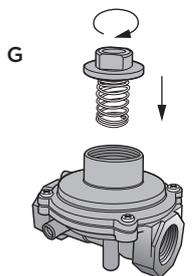
Turn top hat nut anti-clockwise and remove



Configuration for Natural Gas



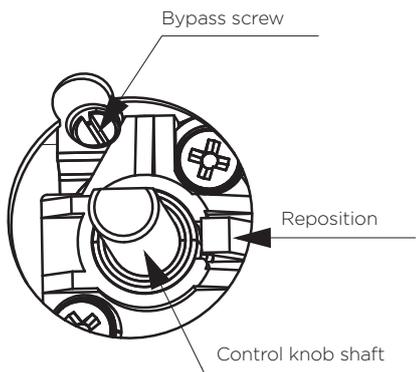
Configuration for LPG



Flame size adjusted to maximum



Flame size adjusted to minimum



Bypass screw

Reposition

Control knob shaft

## TESTING THE OPERATION OF THE GAS COOKER

### Checking gas supply

1. Check the manometer zero point is correct.
2. Connect the manometer to the cooker pressure test point. This is located on the regulator or LPG inlet fitting.
3. Turn on the gas supply and the electricity and try to ignite the gas.

*NOTE: It will take additional time to light the gas for the first time as air needs to be purged from the pipes.*

4. Check the operating pressure for the particular gas type.

### Checking the function of the regulator

With the appliance operating check the outlet pressure:

- when all burners of the appliance are operating at maximum,
- when the smallest burner of the appliance is operating at minimum.

Under these conditions the outlet pressure should not vary from the nominal outlet pressure by more than  $\pm 20\%$  of the nominal outlet pressure (ie  $\pm 0.20\text{kPa}$  for Natural Gas).

If the regulator appears to not be performing satisfactorily then check the following points.

1. If the outlet pressure is consistently too low then the inlet pressure may be too low and adjustment of an upstream regulator may be needed, or an upstream regulator or valve with insufficient flow capacity may be present in the gas supply line. If this is suspected then it may be necessary to repeat the checks whilst measuring both the inlet and outlet pressure to determine if the inlet pressure is in the range 1.13 – 5kPa.
2. Check that the regulator has been fitted to the gas supply line in the correct orientation, the arrow on the base of the body indicates the direction of gas flow.

Once these checks have been completed, if the regulator still fails to perform in a satisfactory manner it should be replaced.

### Testing the cooker features

- Observe the flame appearance on each burner. If it is much smaller or larger than expected, then the injector size needs checking.

*NOTE: When flame is unsatisfactory, then refer to the Electrolux Technical Publications and correct the fault, if possible.*

When maximum flame appearance is correct, then check the turn-down setting on each burner. If the settings appear to be incorrect, proceed as follows:

1. Adjust the bypass screw mounted on the body of each hotplate control cock. This is accessible when the control knob and the control panel are removed.
2. Check the ignition on all burners both separately and in combination.
3. Check the operation of the electrical components, if applicable.
4. If you are satisfied that the cooker is operating correctly, then turn it off and show the customer how to use it. Make sure you ask the customer to operate the clock and controls.

*NOTE: If the cooker cannot be adjusted to perform correctly, then inform the customer of the problem and put a warning notice on the cooker. If the problem is dangerous, then disconnect the cooker. If there is a fault, then the customer should be advised to contact the manufacturer's local service organisation or the retailer.*

*NOTE: You MUST test the cooker after installation, before you hand it over to the customer. You MUST have a manometer and a connecting tube.*