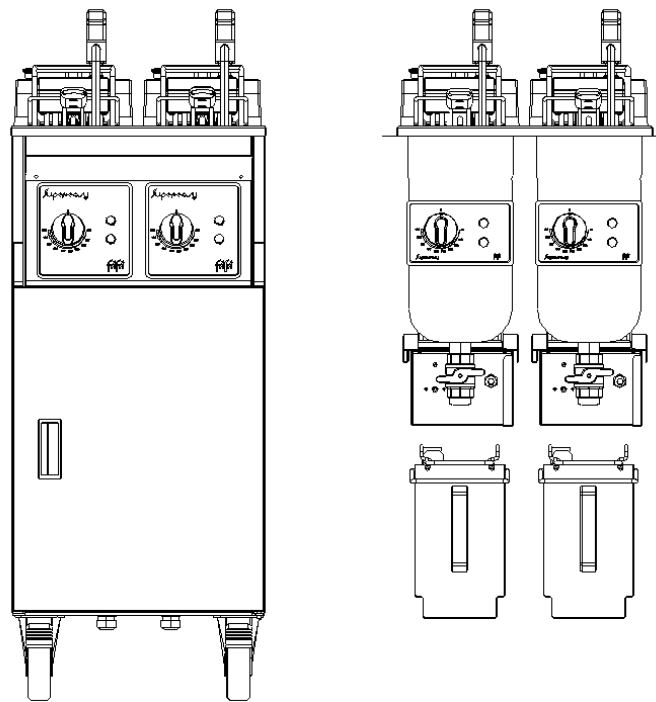




Compact Frying Solutions

Super Easy Freestanding & Drop In Models User Manual



Please make a note of your product details for future use:

Date purchased: _____

Model Number: _____

Serial Number: _____

Dealer: _____

Lincat Ltd
Whisby Road
Lincoln
LN6 3QZ

Export Tel +44 (0) 1522 503250
UK Tel +44 (0) 1522 875500
care@lincat.co.uk



2 Safety Regulations

The following warning symbols are fitted to the appliance as appropriate.

High voltage



Electric shock

Warning of dangerous electrical voltage

Only authorized specialist personnel may carry out work on electrical installations

Follow the specific technical safety instructions

Always disconnect the appliance from the mains power before carrying out work on electrical installation, servicing or cleaning

Hot surfaces/hot internal components



During operation parts may become hot. Avoid accidental contact.

Hot frying oil



Hot frying oil can lead to injuries. Always allow the hot oil to cool down before carrying out cleaning or servicing work.



The manufacturer has mounted warning symbols (stickers) at all the relevant positions on the appliance before delivery. If during operation or cleaning any of these warning symbols become detached, the operator of the appliance is obliged to apply these warning symbols again immediately.

3. Specified use of the appliance

The appliance is exclusively intended for the frying of fresh and deep frozen foods and whilst operating should not be left unsupervised. Any other use of the appliance is regarded as non-specific. The observance of the operating manual and the following of the maintenance and repair instructions from the manufacturer are also part of the specified use.

4. Specific warnings and instructions

Warning



Do not attempt to move this appliance when the tank contains hot oil.

Do not use a water jet or steam cleaner, and do not immerse this appliance.

Do not operate without first filling it with fat or frying oil to the maximum oil level mark.

During operation maintain the oil level between the maximum and minimum oil level marks. Too little oil will result in the safety cut out operating or the risk of ignition. Overfilling will cause surging or frothing over.

Used, contaminated frying oil is increasingly likely to ignite and also tends to froth over. If the frying oil ignites, do not attempt to extinguish it with water but use a fire extinguisher with a special filling (Halon) or a fire blanket.

Caution



If too much deep-frozen or wet frying product is put into the hot oil, frothing over of the oil may occur.

Overfilling the basket will also reduce the quality of the fried food.

For safe draining or transferring the frying oil it must have cooled to a temperature below 50 Deg C.

Never clean the elements with a steel brush or by burning off (dry operation).

Improper cleaning of the elements will lead to the exclusion of the guarantee.

The oil drain bucket has the capacity for one tank to drain at a time. Do not drain both tanks simultaneously.

5 Personnel safety



Warning

The personnel who operate and maintain the deep fat fryer must be trained in the correct operation and handling of the appliance and must have read and understood the safety regulations in this operating manual before starting work on or with it.

Do not modify or remove safety devices. Do not remove any warning symbols which may have been fitted to the appliance. Replace missing or defective warning symbols.

Do not operate the deep fryer in a damaged condition. Report immediately any irregularities, especially those which reflect safety, to your managers.

When servicing components, ensure that the deep fryer is disconnected from the mains power supply. Always check all safety functions after completing service work.

5.1 Safety equipment

Apart from the warning symbols applied to the appliance, it is also fitted with the following safety equipment:

Main switch

Safety contactor

Safety thermostat

5.2 Authorized personnel

Only those personnel who have been authorized for the respective work may work on and with this appliance.

Personnel are seen as authorized if they fulfil the minimum training and knowledge requirements as listed in this section and have been assigned a fixed area of responsibility.

5.3 Area of responsibility of personnel

5.4 Owner/operator

The owner/operator is the person who is responsible for the specified use of the appliance and for the training as well as the tasks of the authorized personnel, including issuing directives to all the personnel with respect to appliance operations.

5.5 Operator of the appliance

Operator responsibilities include:

Maintaining oil levels in the appliance.

Loading the product and monitoring frying quality.

Cleaning and filtering.

Identifying and reporting problems.

5.6 Maintenance personnel

Carries out maintenance and repair of the appliance according to the work described in Sections 'Cleaning and Maintenance'.
The dismantling, storing and disposal of the appliance.

5.7 Minimum training and qualifications of the authorized personnel

5.7.1 Owner/operator

Should have relevant experience in assessing dangers and in personnel management.
Must understand the safety regulations.

5.7.2 Operator

Must be instructed in the operation of the deep fryer and be aware of the safety regulations.

5.7.3 Service personnel

Must have successfully completed the relevant training and be familiar with the servicing of the appliance. Servicing work on the electrical equipment of the appliance may only be carried out by suitably qualified personnel.

5.7.4 Duty of maintenance

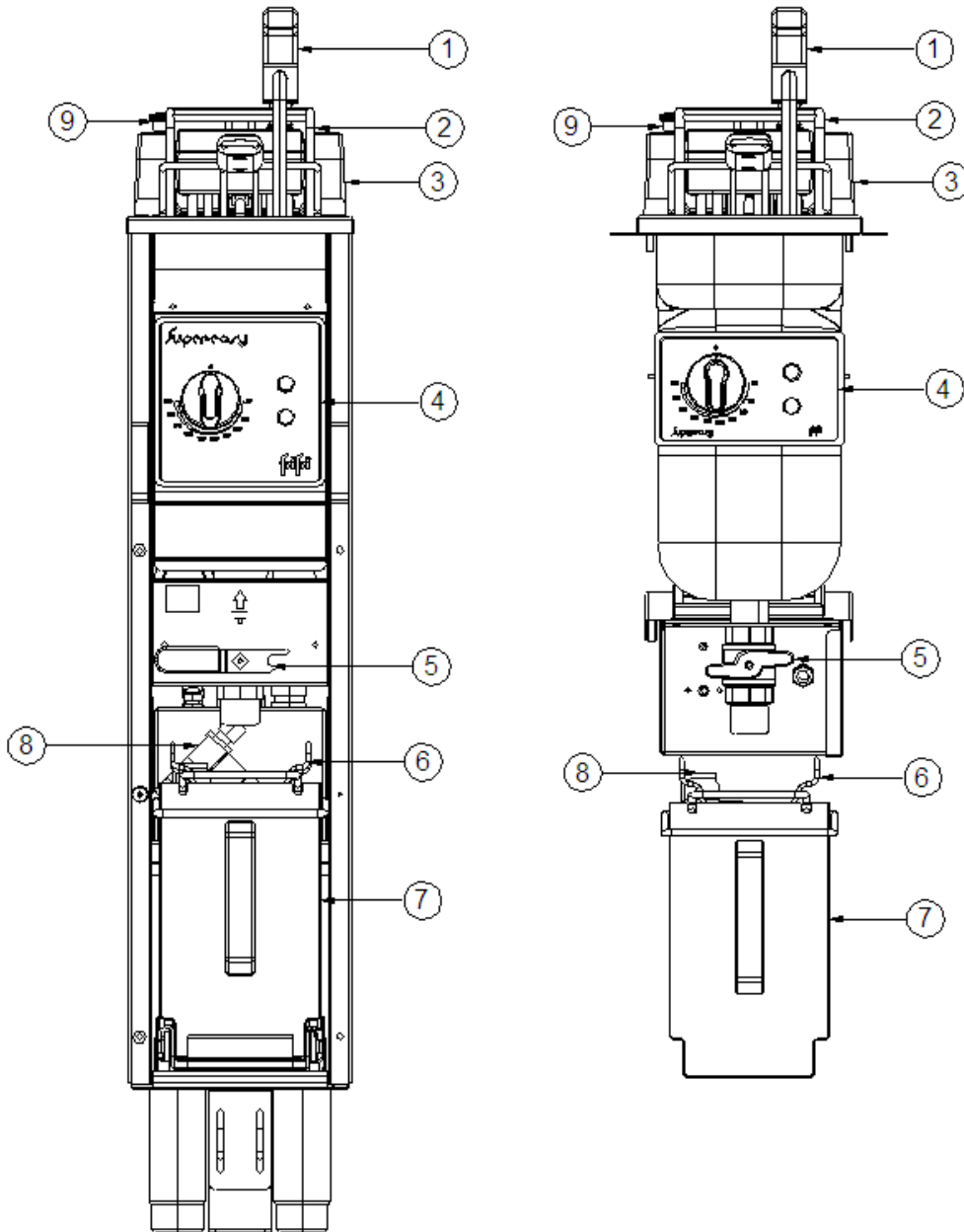
The appliance must only be used when in an undamaged condition. Use original consumables and original spare parts as replacements whenever necessary. Always check the equipment for safety after maintenance and repair work.

5.7.5 Availability of operating manual

A copy of this operating manual must be available at all times to the personnel at the installation location.

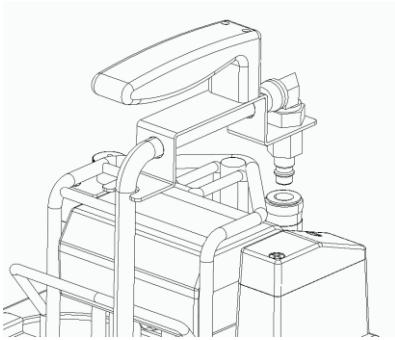
6 Use of the fryer

6.1 Fryer Layout

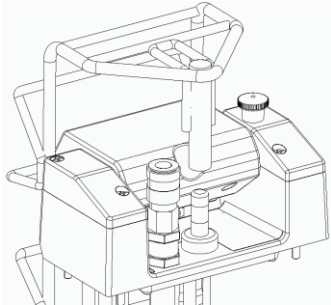


1. Oil Return Lance – this is a simple push fit in to the quick release coupling adjacent to the lifting head. If using the lance to return hot oil, observe the pre mentioned PPE precautions, as the body of the lance may be hot.
2. Basket Holder
3. Element Lifting Head
4. Control Panel
5. Oil Drain Lever
6. Filter Holder and Filter
7. Drain Bucket
8. Pump (Where fitted)
9. Element Lifting Head Release Knob

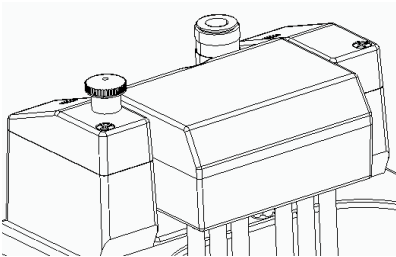
1. Oil return lance (if pumped) – this is a simple push fit in to the quick release coupling adjacent to the lifting head.



2. Basket holder – push fit on to boss at the rear of the lifting head.

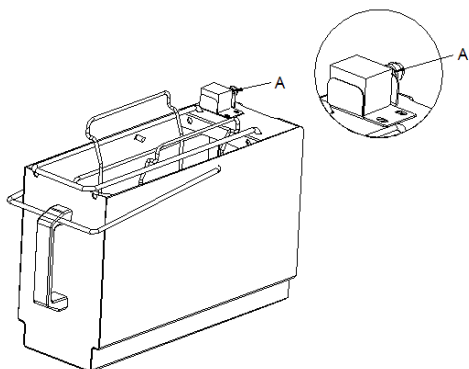


3. Element lifting head – the elements may be swung up and locked in to the Up position to allow access for cleaning the tanks. Use the element lifting knob (10) to unlock and lift the elements. When the tank is cleaned, lower the elements carefully until locked.



4. Touch Control Panel – carries out all cooking functions.
5. Oil drain lever – drains tanks. Slide safety lever across to open valve.

6. Filter holder and Filter (if fitted) – Position as shown, ensure stainless steel filter is inside fine tissue filter. The suction pipe connection 'A' to the pump (if fitted) must be towards the rear of the unit for the pump to engage.



7. Drain bucket
8. Pump
9. Element Lifting Head Release Knob

7. Weights and Capacities

Type	211	311	411/412	422	622	633
Net weight without options (Kg)	47	56	69	79	98.5	98.5
Number of baskets	1	1	2	2	2	3
Filling quantity per basket (Kg)	0.9	1.5	2 x 0.9	2 x 0.9	2 x 1.5	3 x 0.9
Oil quantity at Minimum (l)	7.5	12.5	17	2 x 7.5	2 x 12.5	3 x 7.5
Oil quantity at Maximum (l)	9	14.5	20.5	2 x 9	2 x 14.5	3 x 9
Production of frozen chips per hour (Kg)	17-22	27-32	34-44	34-44	54-64	51-66
Production of chilled chips per hour (Kg)	20-25	30-35	40-50	40-50	60-70	60-75

8. Identification of models

Every fryer is provided with a technical identification plate. Always have this identification plate available when making enquiries to our customer services department.

9 Ambient conditions

Type	211 – 311 – 411 – 412 – 422 – 622 - 633
Minimum Temperature (Deg C)	+5
Maximum Temperature (Deg C)	+60
Maximum Humidity (%)	60

10. Preparation

Before initial use of the fryer ensure the cleaning steps below are followed and the operator is familiar with the controls and layout of the appliance. Once established, before beginning daily use it is good practice to develop a pre-cooking routine and take a moment to run through a series of checks – are the buckets and filters in place, is the oil suction pipe located correctly, are the drain valves closed? Following a daily regime specific to your establishment will ensure trouble free operation and help avoid any unwelcome accidents.

Remove any remains of packaging. Strip plastic coating and clean the appliance before first use. Remove the lid of the tank. Take the basket out of the tank. Clean the tank and any

accessories with a non-caustic cleaning agent suitable for use in a food area. After cleaning, clean the tank with clean water. Close the drain valve. Remove any residual water with a paper towel. Fill the tank with frying oil to the 'Max' level or place the fat for frying on the heating elements. The 'Min/Max' level is visible inside the tank.



Warning

This unit is designed to be used with oils and fats in a liquid form. Oils and fats that become solid at lower temperatures must be liquefied prior to cooking. This instruction applies to both filling from empty and topping up during use.

This appliance is not fitted with a device to melt fat. When melting fat, the wire mesh plate must be removed so that the fat is in direct contact with the element. When using fat for the first time, melt it before hand in a separate saucepan. The next time you use the fryer, proceed as follows:

1. Ensure the wire mesh plate is removed. Make a few holes in the solid fat down to the level of the heating elements.
2. Turn the thermostat knob to a maximum of 100 Deg C for 1 minute. Then turn the knob back to 0. Repeat this operation until the fat has become liquid.

10.1 Setting up your working station

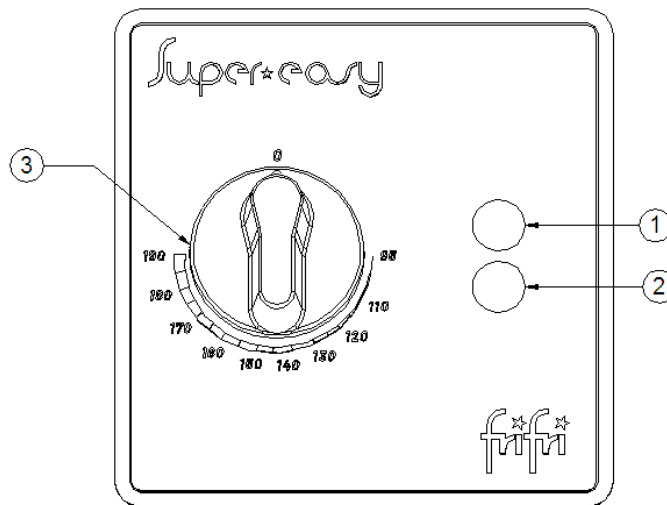
Ensure you have checked the fry before switching on, is it filled with oil?
Do you need to adjust the oil level by topping up to the line?
Are you happy with the oil quality – older oil will produce darker results.
You have all the correct utensils for removing the cooked foods?
Do you have space to work safely?

10.2 Getting quality results

Preheat your fryer to the correct temperature for the task.
Too hot, and the food will overcook the outside before the centre is cooked
Too low and the food will become greasy and you will use more oil.
Ensure your foods are dry and drained – wet foods cause spitting and foaming and water damages oils.
Regularly remove any debris from the oil surface in between batches, as debris will start to degrade the oil quality.
Only fry within the recommended basket loading, overloading will reduce oil temperature and encourage oil absorption into the foods.
Test the oil quality – older oil becomes more volatile to foaming and the flash point will reduce. Ignition is more likely.
Regular routine filtration and flushing of the tank is good working practice.
Deep cleaning of the fryer and drain bucket will help maintain the oil life.
Keep the oil covered when not in use as we this will extend the oil life.

11 Using the fryer

11.1 Control panel



1. Amber neon
2. Green neon
3. Control knob

11.2 Operation

Plug into the power supply and switch on at the mains. Turn the control knob clockwise – the green neon will illuminate.

Set the control knob to the required frying temperature. The amber neon will illuminate indicating that the heating elements are working.

Once the temperature is reached, the amber neon will extinguish and the appliance is ready for cooking product to be introduced.

The amber neon will cycle on and off during cooking as the element cycles in relation to the temperature of the oil.

11.3 To Shut down

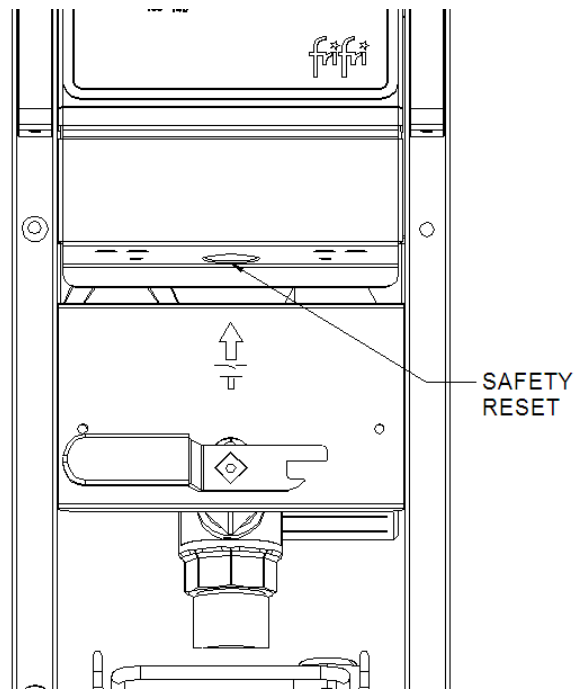
Shut down the fryer by switching the control knob to the '0' position.

Switch the appliance off at the mains.

11.4 Safety Thermostat

Freestanding

This appliance is fitted with a safety thermostat to cut off the power in the event of a fault. If the elements do not heat, you may need to reset the safety thermostat. Open the door and find the access hole, indicated by the engraved arrow. Through the hole is a red button, press this button to reset the safety thermostat. **Note that the fryer must be allowed to cool before the reset will operate.**

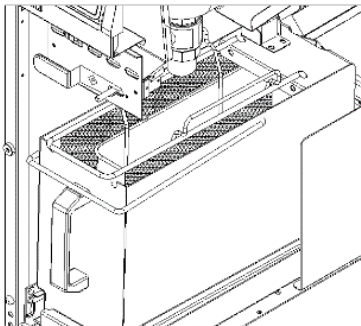


Drop In

The safety reset on drop in appliances will be positioned at the discretion of the installer. Ensure that you are made aware of the whereabouts and operation of the safety thermostat.

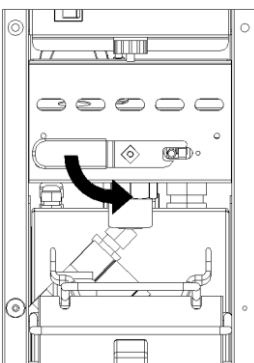
11.5 Pumping

This section is only relevant if you have purchased a model fitted with an oil pump. Prepare to drain, filter and return the oil to the tank as follows:

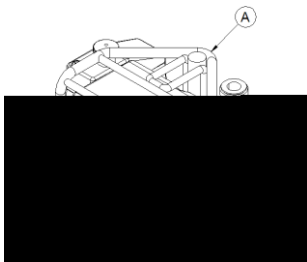


Place the fine tissue filter holder complete with the fine tissue filter into the location cut-outs in the drain bucket.

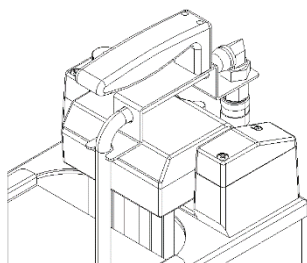
Place the stainless steel filter inside the fine tissue filter so that the oil passes through the stainless steel filter first.



Slide the sprung loaded safety catch across and open the drain valve with the drain lever. Allow the oil to drain into the bucket. Close the drain valve.



Lift and remove the basket support (A) from the fryer head.



Fit the oil lance assembly by pushing home the quick release coupling. (To remove after draining, hold the coupling release down whilst lifting the oil lance assembly up).

Once prepared, initiate the pump by pressing the pump button. When the pumping operation has finished, press the pump button to stop. The fryer should not be left unattended whilst pumping is in operation as leaving the pump running longer than necessary is not beneficial to the life of the pump in the long term.

12. Cleaning and Maintenance

12.1 Cleaning intervals, daily or according to the duration of use of the appliance.

General cleanliness is essential in all kitchen environments. Always clean the equipment after use, and prepare thoroughly for the cleaning regime before starting i.e. have all cleaning equipment to hand and place out Wet Floor signs.



Caution

- Only use non-caustic, non-abrasive cleaner.
- Only use non-abrasive cleaning cloths.
- Only use cleaners permitted for the food area
- Always carry out cleaning work only after the oil and the appliance have cooled down to a temperature level at which no burns can occur.

Cleaning area	Cleaning work
External surfaces and covers	Clean with damp cloth
Control panel	Clean with damp cloth
Fast coupling (optional pump)	Cleaning agent/hot water
Frying tank	Hot water
Frying basket	Dishwasher/hot water
Frying basket holder	Dishwasher/hot water
Frying oil tank cover	Dishwasher/hot water
Internal surfaces and covers	Clean with damp cloth
Connecting cables	Clean with damp cloth
Oil receptacle container	Dishwasher/hot water
Deep fryer surrounds	Clean with hard and soft brushes and damp cloths and follow special instructions if necessary

12.2 Frying oil exchange

Filtration	Daily or according to intensity of use
Exchange	According to the saturation

12.3 Periodic checks

Oil drain bucket	Cleanliness, filling level
Frying oil quality	According to hygiene regulations
Frying tank	Cleanliness, settled frying residues
Drain pipe and fast couplings	Cleanliness, function, sealing after installation
Heating elements	Surface

13. Maintenance

We recommend a regular maintenance service by an after sales service company, according to the intensity of use of the equipment.

14. After-sales service

For help with the installation, maintenance and use of your FriFri equipment, please contact our service department:

☎ UK: 01522 875520

For non-UK customers, please contact your local FriFri dealer

All service work, other than routine cleaning should be carried out by one of our authorised service agents. We cannot accept responsibility for work carried out by other persons.

To ensure your service enquiry is handled as efficiently as possible, please tell us:

- Brief details of the problem
 - Product code
 - Type number
 - Serial number
- } All available on serial plate

FriFri reserve the right to carry out any work under warranty, given reasonable access to the appliance, during normal working hours, Monday to Friday, 08:30 to 17:00.

GUARANTEE

This unit carries a comprehensive UK mainland 2 year parts and labour warranty, and a 2 year parts only warranty for Export. The guarantee is in addition to, and does not diminish your statutory or legal rights.

The guarantee does not cover:

- Accidental damage, misuse or use not in accordance with the manufacturer's instructions
- Consumable items (such as filters, glass, bulbs, slot toaster elements and door seals.)

- Damage due to incorrect installation, modification, unauthorised service work or damage due to scale, food debris build-up, etc.

The manufacturer disclaims any liability for incidental, or consequential damages. Attendance is based on reasonable access to the appliance to allow the authorised technician to carry out the warranty work.

Service calls to equipment under warranty will be carried out in accordance with the conditions of sale.

15. Spare Parts

For spare parts, see Spare Parts Manual IS805.