# ZANUSSI

## REFRIGERATOR-FREEZER ZFE 102/3T

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 $<sup>^{\</sup>ast}$  This figure is based on standard test results in accordance with European Standard EN153. Actual consumption will depend on how the appliance is used and where it is located.

#### WARNINGS

IT IS MOST IMPORTANT THAT THIS INSTRUCTION BOOK SHOULD BE RETAINED WITH THE APPLIANCE FOR FUTURE REFERENCE. SHOULD THE APPLIANCE BE SOLD OR TRANSFERRED TO ANOTHER OWNER, OR SHOULD YOU MOVE HOUSE AND LEAVE THE APPLIANCE, ALWAYS ENSURE THAT THE BOOK IS SUPPLIED WITH THE APPLIANCE IN ORDER THAT THE NEW OWNER CAN GET TO KNOW THE FUNCTIONING OF THE APPLIANCE AND THE RELEVANT WARNINGS.

THESE WARNINGS ARE PROVIDED IN THE INTEREST OF SAFETY. YOU MUST READ THEM CAREFULLY BEFORE INSTALLING OR USING THE APPLIANCE.

- " This appliance is designed to be operated by adults. Children should not be allowed to tamper with the controls or play with the product.
- " Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.
- " This product should be serviced by an authorised ZANUSSI Service Centre, and only genuine spare parts should be used.
- " It is dangerous to alter the specifications or modify this product in any way.
- " Care must be taken to ensure that the appliance does not stand on the electrical supply cable.
- " ZANUSSI domestic refrigerators, freezers and fridge/freezers are designed to be used specifically for the storage of edible foodstuffs only.
- There are working parts in this product which heat up. Always ensure that there is adequate ventilation as a failure to do this will result in possible food loss. See installation instructions.
- " Parts which heat up should not be exposed. Wherever possible, the back of the appliance should be close to a wall but leaving the required distance for ventilation as stated in the installation instructions.
- Before defrosting, cleaning or maintenance work is carried out, be sure to switch off the appliance and unplug it.
- " Frozen food must NOT be re-frozen once it has thawed out.
- Do not place carbonated or fizzy drinks in the freezer as it creates pressure on the container, which may cause it to explode, resulting in damage to the appliance.

- " The cooling plate or refrigerated freezer shelves in this appliance contain channels through which the refrigerant passes. If these are punctured this would cause substantial damage to the appliance and result in food loss. DO NOT USE SHARP INSTRUMENTS to scrape off frost or ice. Under NO circumstances should solid ice be forced off the lining or shelves. Solid ice should be allowed to thaw, when defrosting the appliance. See Defrost instructions.
- " The appliance should be left for 2 hours after installation before it is turned on in order to allow the refrigerant to settle.
- " This appliance is heavy. Care should be taken when moving it.
- " Do not remove items from the freezer if your hands are damp/wet, as this could cause skin abrasions or "frost/freezer burns".
- " Ice lollies can cause "frost/freezer burns" if consumed straight from the freezer.
- " Manufacturers' storage recommendations should be strictly adhered to. Refer to relevant instructions.
- " Under no circumstances should you attempt to repair the appliance yourself. Repairs carried out by inexperienced persons may cause injury or serious malfunctioning. Refer to your local ZANUSSI Service Centre and always insist on genuine spare parts.

## **CONSERVATION**

#### In the interests of the Environment:

When disposing of your old fridge, freezer or fridge/ freezer.

Help to keep your country tidy - use authorised disposal sites for your old appliances.

#### For maximum efficiency:

Make sure that the appliance is cleaned properly.

Make sure that the door is closed properly.

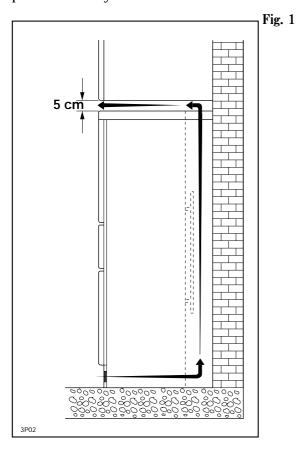
Do not position the appliance near to sources of

Do not over-fill your appliance, air MUST be allowed to circulate.

## **INSTALLATION**

#### **Positioning**

This appliance is designed to operate in ambient temperatures between  $10^{\circ}\text{C}$  ( $50^{\circ}\text{F}$ ) and  $32^{\circ}\text{C}$  ( $90^{\circ}\text{F}$ ). It should be located in a dry atmosphere, out of direct sunlight and away from extreme temperature e.g. not next to a cooker or other sources of direct heat, or in a very cold room e.g. an outhouse, where the temperatures may fall below  $10^{\circ}\text{C}$  ( $50^{\circ}\text{F}$ ). If these temperatures are exceeded i.e. colder or warmer, then the appliance may not operate correctly.



#### Levelling

The appliance is provided with two levelling feet located at the front, and two rear castors for easy movement.

The refrigerator should be carefully levelled, adjusting the feet as shown in Fig. 2.

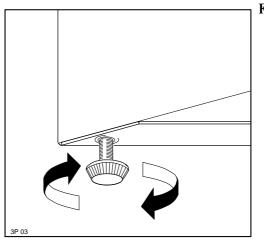


Fig. 2

#### Before using

Before switching the appliance on, wash the inside of the appliance with lukewarm water and a little bicarbonate of soda (5ml to 0.5 litre of water).

### DOOR REVERSAL

The appliance is normally supplied with doors which open from left to right. To change the opening direction, proceed as follows:

#### **Bottom door:**

- 1. Unclip and remove the ventilation grille (A).
- 2. Unscrew and remove the lower hinge (B) and slide the lower door from its top hinge.
- 3. Unscrew the pin (C) from the hinge and refit it onto the hinge on the opposite side.
- 4. Refit the lower door onto pin (C) and reassemble the lower hinge (B) on the opposite side.
- 5. Break off the plug (D) from the ventilation grille. You may need a pair of pliers for this.
- 6. Fit the plug (E) (supplied with the appliance) into the slot left open on the other side.
- 7. Refit the ventilation grille (A) clipping it into position.

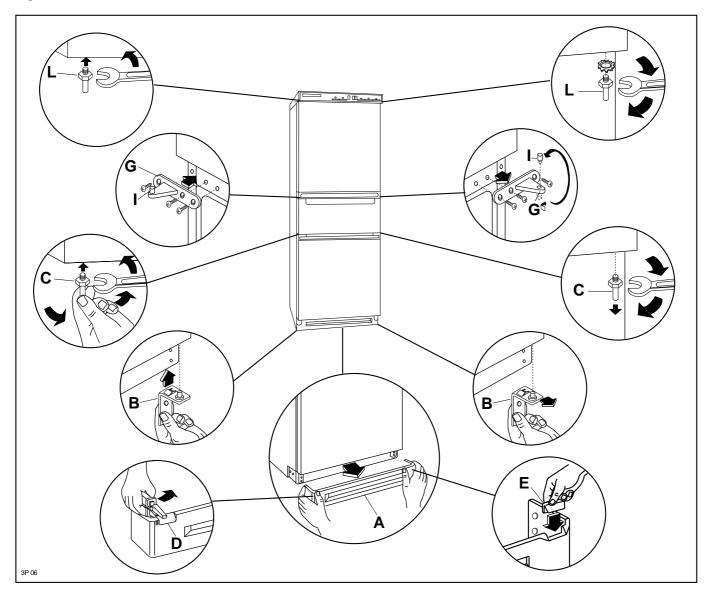
#### Top door:

- 1. Unscrew the hinge (G) and remove the upper
- 2. Unscrew the pin (I) from hinge (G) and refit the pin into the same hole, but on the opposite side of
- 3. Unscrew the pin (L) from the upper hinge and refit it in the hinge on the opposite side.
- 4. Fit the upper door onto the pin (L); refit hinge (G) on the opposite side.

#### Adjusting the alignment of the upper door

If, after having changed the opening direction, the door is not properly aligned, the upper hinge can be adjusted. To do this, slacken the pin (L) (using a 12 mm spanner) and the self-tapping screw located under the hinge (using a Phillips screwdriver); align the door, then retighten the screw and the pin.

Fig. 3



## THE ELECTRICAL CONNECTIONS

#### WARNING: THIS APPLIANCE MUST BE EARTHED.

The manufacturer declines any liability should this safety measure not be observed.

If the plug that is fitted to your appliance is not suitable for your socket outlet, it must be cut off and the appropriate plug fitted.

Remove the fuse from the cut off plug. The cut off plug should then be disposed of to prevent the hazard of shocks in case it should be plugged into a 13amp socket in another part of your home.

#### **Important**

The wires in the mains lead are coloured in accordance with the following code:

Green and Yellow - Earth
Blue - Neutral
Brown - Live

If you fit your own plug, the colours of the wires in the mains lead of your appliance may not correspond with the markings identifying the terminals in your plug, proceed as follows:

GREEN & YELLOW

13 AMP. FUSE

BROWN

BLUE

CORD CLAMP

Fig. 4

Connect the Green and Yellow (earth) wire to the terminal in the plug which is marked with the letter «E» or the earth symbol  $\textcircled{\oplus}$ , or coloured green and yellow.

Connect the blue (neutral) wire to the terminal in the plug which is marked with the letter  $\mbox{\ensuremath{^{\circ}}} N \mbox{\ensuremath{^{\circ}}} or$  coloured black.

Connect the brown (live) wire to the terminal in the plug which is marked with the letter  $^{\circ}L^{\circ}$  or coloured red.

The plug moulded onto the lead incorporates a fuse. For replacement, use a 13amp BSI362 fuse. Only ASTA or BSI approved fuses should be used.

The plug must not be used if the fuse cover/carrier is lost. The cover/carrier is indicated by the coloured insert at the base of the plug.

A replacement cover/carrier must be obtained from your local Zanussi Service Force Centre whose address is listed in the Customer Care Booklet which accompanies your instruction manual.

This appliance complies with the E.E.C. Directive No. 87/308 of 2.6.87 relative to radio interference suppression.

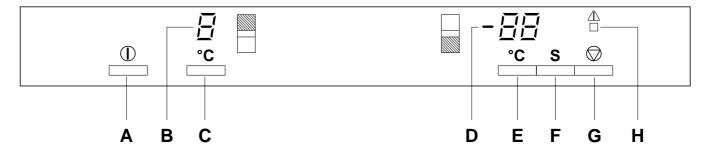
This appliance complies with the following E.E.C. Directives:

- 73/23 EEC of 19.2.73 (Low Voltage Directive) and subsequent modifications;
- 89/336 EEC of 3.5.89 (Electromagnetic Compatibility Directive) and subsequent modifications.

Please ensure that when the appliance is installed it is easily accessible for the engineer in the event of a breakdown.

#### USE

#### Control panel



- A On-Off Button
- **B** Refrigerator temperature indicator
- C Refrigerator temperature selector button
- D Freezer temperature indicator

After plugging into the mains supply socket, press the On-Off button (A - first button on the left) to switch on the appliance.

At this point, the appliance is preset to run at the following temperatures:

- +5°C in the refrigerator compartment
- -18°C in the freezer compartment

These are the usual operating conditions. It will take a few hours for these temperatures to be reached (as an indication, within about 4 hours of switching on at ambient temperature of about 20°C).

When the appliance is switched on at ambient temperature, the displays are as follows: Red warning light (H) flashes;

Freezer temperature indicator (D) shows the current temperature in the freezer compartment; Refrigerator temperature indicator (B) shows a steady illuminated dash sign « ---- », which changes to figures as soon as the temperature inside the refrigerator compartment reaches +9°C. To stop warning light (H) from flashing, press alarm reset button (G) (far right-hand side - see "Overtemperature alarm and memory device").

- E Freezer temperature selector button
- F Fast freeze button
- G Alarm reset button
- H Warning light

#### TEMPERATURE INDICATION

The temperatures inside the refrigerator compartment (symbol  $\blacksquare$ ) and the freezer compartment (symbol  $\blacksquare$ are shown by indicators (B) and (D) respectively, located on the control panel next to the appropriate symbols.

The indicators show the temperature inside the compartments:

#### Refrigerator temperature indicator (B)

Consists of a single digit indicating temperatures between 0°C and +9°C, with temperatures higher than +9°C indicated by means of a steady illuminated dash sign « —— », and temperatures lower than 0°C indicated by flashing of the same dash sign.

#### Freezer temperature indicator (D)

Consists of two digits indicating the temperature inside the freezer compartment.

#### **Warning**

Frequent or prolonged opening of the refrigerator and freezer doors can cause slight variations in temperature: there can also be considerable variations if large quantities of hot or warm food are placed in the appliance.

## USING THE APPLIANCE

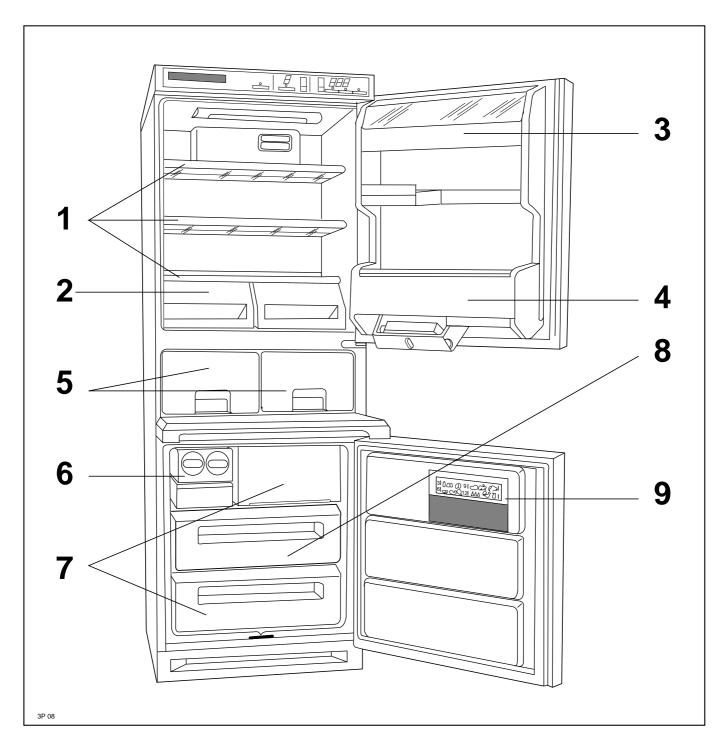
For best results, we recommend that various types of food be loaded as follows:

- 1. Cooked food, drinks, cold meats, food used everyday. For best use of space, the front shelves can be stacked on top of the rear ones.
- 2. Fruit and vegetables.
- 3. Butter, cheese and eggs.
- 4. Bottled drinks or cartons, milk.
- **5.** Sealed pre-packed meat, fish, poultry and cooked dishes.

- 6. Ice-cube maker and container.
- 7. Fast-freeze compartments.
- 8. Frozen food storage.
- 9. Freezer chart.

#### **IMPORTANT**

Never use drawers (5) of the Superchill compartment to store salad, tomatoes and other fresh vegetables.



## REFRIGERATOR COMPARTMENT

#### **SETTING**

The temperature in this compartment can be freely adjusted between  $+8^{\circ}$ C (highest setting) and  $+2^{\circ}$ C (lowest setting).

The temperature setting is adjusted by pressing button (C) and keeping it pressed in for more than 4 seconds; a progressively lower figure is shown by indicator (B) every 2 seconds (between 8 and 2). If the button is held in after the figure 2 has appeared, the indicator will return to 8 and then continue to cycle through progressively lower figures. Simply release the button once the required temperature setting has been reached. The indicator will continue to flash for a few seconds and will then go back to showing the actual temperature inside the compartment. A flashing display of the temperature setting selected can be obtained at any time by pressing button (C). This may be different from the actual temperature indicated – either because a different temperature setting has only recently been selected, or because the door has been opened and/

#### **Important**

We recommend that loose food (cheese, cold meats, cooked food etc.) be stored in plastic bags so as to preserve their natural freshness and aroma.

or warm food has been placed in the compartment; however the temperature displayed during normal operation may vary by about 1°C above or below

the set temperature. As soon as the button is

refrigerator will again be shown on indicator (B).

released, the actual temperature inside the

#### Use and features of Crisp'N Fresh filter

"Crisp'N Fresh" is the glass shelf on top of the salad crispers which is fitted with special removable green filters.

These filters allow cool air from the fridge to circulate through the drawers but help prevent moisture loss. By retaining moisture in foods such as fresh fruit, vegetables and salad they are kept fresher for longer.

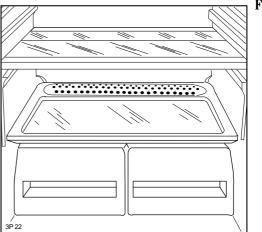


Fig. 5

#### Cleaning the filter

The filter is held by two small support frames which press into position and are therefore easily removed for cleaning. To do this, turn the glass shelf upside down and release the frames as shown in the illustration.

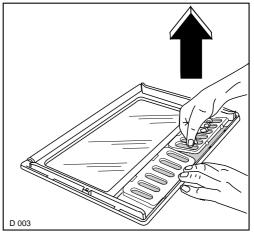


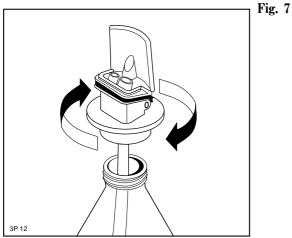
Fig. 6

The filters and the glass cover can be washed gently in warm soapy water, they should not be put in the dishwasher.

Replacement filters may be obtained from your local Zanussi Service Centre.

#### Drinks dispenser

The ideal way to have drinks "on tap". Simply take a bottle of your favourite drink, fit the special dispenser top (Fig. 7) and place the bottle upside down in the holder on the inside of the door (Fig. 8): press lightly with the glass to dispense drinks (Fig. 9).





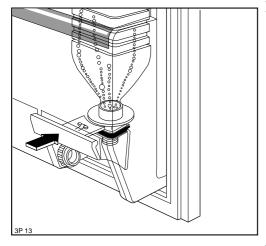
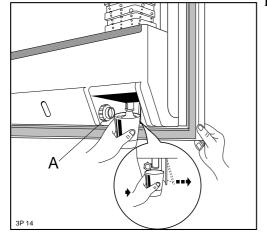


Fig. 9



If the dispenser will not fit the bottle, use the special reducer attachment (A) provided, fitting it as shown in Fig. 10.

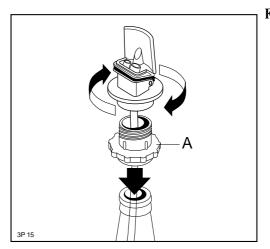


Fig. 10

The reducer (A) is normally stored next to the tube holder compartment (Fig. 9) and must only be used on glass bottles.

#### **Important**

To ensure correct operation of the dispenser, it is generally best to avoid dispensing freshly squeezed fruit juices.

To clean the dispenser, simply soak for a short time in lukewarm water.

## SUPERCHILL COMPARTMENT

The temperature inside this compartment is automatically maintained at a constant level (between  $-1^{\circ}$ C and  $+2^{\circ}$ C), quite independently of the temperature in the other two compartments. No adjustment is necessary.

The fold-down door acts as a useful resting surface for the drawers.

Storing pre-packed chilled foods in this compartment will help keep them fresh and in peak condition up to the «best before» date.

#### Warning

Do not leave the door open longer than necessary and do not use it for purposes other than those for which it is designed.

## FREEZER COMPARTMENT

#### **SETTING**

The temperature in this compartment can be freely adjusted between -15°C and -24°C.

The setting is adjusted in the same way as for the refrigerator compartment, but using button (E). The temperature setting is then shown by indicator (D).

The indicator starts at  $-15^{\circ}$ C and progressively goes down to  $-24^{\circ}$ C, i.e. the temperature setting gets colder and colder.

Here too, if the button is held in, the indicator will start cycling again from -15°C.

#### Semi-automatic fast freezing

To freeze fresh food when the freezer is already in use with food inside it, proceed as follows: Press button (F) for at least 5 seconds; freezer temperature indicator (D) will show the letters SU to indicate that this function is active.

Place the food to be frozen in one of the drawers, preferably an empty drawer to avoid raising the temperature of already frozen food.

For items weighing **up to 3 kg**, press button (F) for at least 5 seconds and at the same time place food in the top drawer.

For items weighing **between 3 and 9 kg**, press button (F) for at least 5 seconds 3 hours before placing food in the bottom drawer.

For items weighing between 9 and 11 kg, press button (F) for at least 5 seconds 5 hours before placing food in the top and bottom drawers. The fast freeze function stays active for 27 hours and is then automatically switched off, returning the freezer to its previous setting. Fast freeze can be switched off at any time by pressing button (F) for a further 5 seconds. To freeze fresh food immediately after installing and switching on the appliance, or after having

- 1. Press button (F) for at least 5 seconds to activate the fast freeze function.
- 2. Allow the appliance to run empty for at least 6 hours
- 3. Place food to be frozen in the appropriate compartment.

#### Storing ready-frozen food

cleaned it, proceed as follows:

Packs of ready-frozen food may be placed in any of the drawers according to the space available. You are strongly advised to place ready-frozen food in the freezer compartment as quickly as possible after purchase, so as to limit any rise in temperature. It is also advisable to check that external packaging is intact: swollen packs or traces of re-frozen water droplets on the pack are a sure sign that the product has not always been kept at a suitably low temperature and that it may have lost its original quality.

Never exceed the storage times indicated on packs. Do not open the freezer door too often and do not leave open longer than necessary for loading or removing food.

Never re-freeze partially thawed food. Food which has accidentally thawed must be checked for smell, taste and colour and, if these seem normal, must be consumed within 24 hours or thoroughly cooked before re-freezing.

A special card is located in the holder on the inner door of the freezer compartment. At the top, there are pictures of animals and various types of food, followed by a figure. These figures indicate the maximum storage time, from the date on which the food was frozen.

Details of food being stored, can also be written in pencil on the lower part of the card.

#### **Thawing Food**

Food can be thawed in various ways, depending on the type of food, pack size and required use: At room temperature. In the refrigerator compartment of the appliance. In a convection (fan) oven. In a microwawe oven. In a steam cooker.

#### **Important**

In the event of a power failure and the temperature within your freezer rising above  $-6^{\circ}$ C, do not refreeze the food without checking its condition. The following guidelines should assist you.

Ice-cream: Once thawed should be discarded. Fruits & vegetables: If soft should be cooked and used up.

Breads & cake: Can be re-frozen without danger. Shellfish: Should be refrigerated and used up quickly.

Cooked dishes: i.e. casseroles: Should be refrigerated and used up.

Large pieces of meat: Can be re-frozen providing there are still ice crystals remaining within them. Small joints: Should be cooked and can then be refrozen as cooked dishes.

Chicken: Should also be cooked and re-frozen as a cooked dish.

#### Making ice cubes

A plentiful supply of ice can be made in the two trays located above the ice servery. Fill the trays 3/ 4 full to allow the ice to expand.

To dispense the ice, fully turn the dial as shown in Fig. 11.

The cubes will fall easily from the trays, into the servery below.

Never consume ice-cubes which have just come out of the freezer. Their extremely low temperature can cause frost burns.

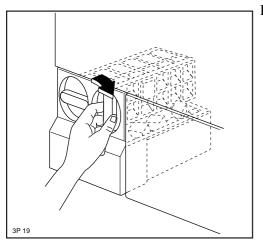


Fig. 11

#### Overtemperature alarm and memory device

In the event of an abnormal temperature rise inside the freezer compartment (e.g. power cut) warning light (H) will start to flash.

The alarm will continue to flash even after the temperature has returned to normal; it is therefore quite possible to find that the freezer temperature indicator may actually be showing the normal storage temperature values: flashing of warning light (H) indicates that there has been a problem some time previously.

To stop it flashing press button (G). As soon as this is done, the alarm function is reset and the hottest temperature reached within the compartment, which has been memorised by the device, flashes for 10 seconds on indicator (D).

After 10 seconds, indicator (D) resumes its normal thermometer function.

#### Defrosting the appliance

Defrosting of the freezer. Superchill and refrigerator is automatic.

The water is discharged, via pipes, into a tray located at the back of the appliance, above the compressor, where it evaporates.



Fig. 12

## **HEALTH AND SAFETY GUIDELINES**

Because of consumer demand, preservatives have been removed from many pre-prepared foods. This together with the changes in shopping habits to a once-a-week shop, mean that safe handling and storage of food is even more important than ever.

The following tips should help you to ensure that the food in your home is in as perfect condition as possible.

- " Keep the time between buying chilled food and placing it in your fridge as short as possible. Tests showed that the temperature of 1 litre of orange juice rose to 22°C in an hour between the supermarket and home. It then took 11 hours to get down to 7°C in the refrigerator.
- " Keep the refrigerator door closed as much as possible. Remember that warm air is flowing in as you are deciding what to have for tea!
- Do not push food together too much, try to allow air to circulate around each item.
- " Cool cooked food as quickly as possible but do NOT place in the refrigerator or freezer until cool. (Leave food in a place as cool as possible in order that it can then be placed in the refrigerator or freezer as soon as possible).
- " Do NOT mix raw and cooked meat, they must be in separate containers. Take care not to let the meat juices drip onto other food. If the meat does drip, remove everything and clean thoroughly.
- " Do not store food uncovered.
- " The best way to defrost food is to put it in the refrigerator to thaw slowly.
- " Remove suspect food from your refrigerator and clean the interior with a solution of bicarbonate of soda in warm water (5ml to 0.5 litre of water).
- " Never allow spillages to dry and harden.
- Ensure that food placed in the freezer is dated and labelled and used in date order to ensure that food is consumed at its best.
- " It is important that food is used before its "best before" date.
- Store eggs in the egg rack provided in the refrigerator door. Discard any broken or chipped eggs.
- Regularly check the refrigerator door seal to ensure that it is clean and free from bits and pieces.

- " Always wash your hands with soapy water and dry them with a clean towel before handling food.
- " Keep work surfaces clean and avoid cross contamination by not using the same work surface or knife, without washing them thoroughly in between.
- " Use kitchen roll wherever possible for cleaning up food. If you use a dishcloth, be sure to boil it frequently.

## MAINTENANCE AND CLEANING

Before any maintenance or cleaning can be carried out, DISCONNECT the appliance from the electricity supply.

#### Internal cleaning

Clean the inside and accessories with warm water and bicarbonate of soda (5ml to 0.5 litre of water). Rinse and dry thoroughly.

NEVER USE DETERGENTS, ABRASIVE POWDERS, HIGHLY PERFUMED CLEANING PRODUCTS OR WAX POLISHES TO CLEAN THE INTERIOR AS THESE WILL DAMAGE THE SURFACE AND LEAVE A STRONG SMELL.

#### External cleaning

Wash the outer cabinet with warm soapy water. Do NOT use abrasive products.

Once or twice a year clean the condenser and the compressor with a brush or vacuum cleaner. An accumulation of dust will affect the performance of the appliance and cause excessive electricity consumption.

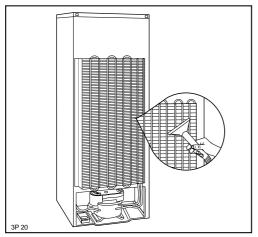


Fig. 13

#### When the appliance is not in use

When the appliance is not in use for long periods, disconnect from the electricity supply, empty all food and clean the appliance, leaving the doors ajar, to prevent unpleasant smells.

#### Replacing the bulbs (Refrigerator Compartment)

The bulbs are easy to replace after removing the cover fixing screw and the cover.

Use bulbs of the same type (Max. power 15W Edison E14 fitting).

Refit the cover and tighten the screw.

## **SERVICING**

Before contacting your local Zanussi Service Centre, check the following points:

#### **Check that:**

- " The appliance is plugged in.
- " That there is power at the socket, and that there is not a power cut.
- " If the appliance is excessively noisy, check that the sides are not in contact with kitchen units which could cause noise or vibrations and that the refrigerator unit pipes are not touching each other (if they are, ease them gently apart). Slight hissing noises, due to forced air circulation in the compartments and refrigerant circulating through the pipes are, however, quite normal.

## If the internal light fails to come on... check that

The bulb is properly fitted and replace it, if it has blown (see relevant section in instructions).

If, after the above checks, there is still a fault, call your nearest Zanussi Service Centre.

When calling, please make sure you give the appliance Model Number, Product Number and Serial Number. These can be found on the guarantee certificate or on the rating plate inside the appliance.

## PEACE OF MIND FOR TWELVE MONTHS

#### Zanussi standard guarantee conditions

This guarantee is in addition to your statutory and other legal rights which will not be excluded or in any way diminished by the return of this guarantee card.

We, Zanussi Ltd., undertake that if, within twelve months of the date of the purchase, this ZANUSSI appliance or any part thereof is proved to be defective by reason only of faulty workmanship or materials, we will, at our option, repair or replace the same FREE OF ANY CHARGE for labour, materials or carriage on condition that:

- The appliance has been correctly installed and used only on the electricity supply stated on the rating plate.
- The appliance has been used for normal domestic purposes only, and in accordance with the manufacturer's operating and maintenance instructions.
- The appliance has not been serviced, maintained, repaired, taken apart or tampered with by any person not authorised by us.

All service work under this guarantee must be undertaken by a Zanussi Service Centre.

Home visits are made between 8.30am and 5.30pm Monday to Friday. Visits may be available outside these hours in which case a premium will be charged.

Any appliance or defective part replaced shall become our property.

#### **Exclusions**

This guarantee does not cover:

- " Damage or calls resulting from transportation, improper use or neglect, the replacement of any light bulbs or removable parts of glass or plastic.
- " Costs incurred for calls to put right machines improperly installed or calls to machines outside the United Kingdom.
- " Appliances found to be in use within a commercial environment, plus those which are the subject of rental agreements.
- " Products of Zanussi manufacture which are NOT marketed by Zanussi Ltd.
- EU Countries The standard guarantee is applicable but is subject to the owner's responsibility and cost to ensure the appliance meets the standards set by the country to which the product is taken. The Zanussi Company in the country concerned will be pleased to advise further. Sight of your purchase receipt will be required by them.

