



An AGA Company

# FREE STANDING - REFRIGERATOR



## **OPERATING & INSTALLATION MANUAL**

*Please read these instructions carefully before use.*

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## INTRODUCTION

Dear Customer,

Thank you for buying a Waterford Appliance.

The quality of Waterford's appliances is exceptional and immediately visible. Each one is designed to withstand the most demanding kitchen environment. But its not just about sleek contemporary looks; every detail reflects Waterford Stanley's long-standing design for total performance ethos. That is why our ovens are easy to clean, our hobs are powerful, our extractor hoods efficient and our refrigerators designed for optimum storage. All Waterford products are made from quality stainless steel for durability.

We would advise you to take time out and read your instruction manual before using your Waterford Appliance. This will ensure that you use all technical features your Waterford Appliance has to offer.

Waterford Stanley make every effort to ensure that our products meet all your requirements, and our Customer Relations department is at your disposal, to answer all your questions. In the unlikely event of a fault, look here for information on how to rectify minor faults.

To ensure your warranty is validated, please complete the attached warranty card and return to Waterford Stanley.

Enjoy your Waterford Appliance

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## CARING FOR THE ENVIRONMENT

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### *Disposal Of The Packing Material*

The transport and protective packaging has been selected from environmentally friendly materials and can be recycled.

Ensure that any plastic wrapping, bags etc. are disposed of safely and kept out of reach of children as they can potentially be dangerous.

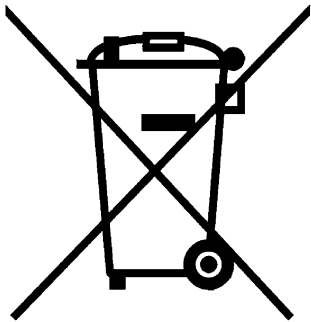
### *Disposal of Old Appliance*

Ensure that the appliance presents no danger to children while being stored for disposal by taking off the doors and leaving the shelves in place.

The plug must be rendered useless and the cable cut off directly behind the appliance to prevent misuse.

Your old refrigerator may have a cooling system that used CFCs (chlorofluorocarbons) refrigerant which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. CFCs must be removed prior to product disposal by a qualified person and must not be disposed off with household waste.

More information can be obtained from your white-goods supplier or your local authorities.



## WARNING & SAFETY INFORMATION

Please read this manual carefully; it provides important information about the safety, installation use and maintenance of the appliance. This appliance must only be used for the purpose of which it is designed: the cool storage of food. Any other use must be considered improper and thus dangerous. The manufacturer cannot be considered responsible for any damage caused by improper, incorrect or unreasonable use.

This appliance contains Isobutane (R600a), an environmentally friendly coolant which does not damage the ozone layer and does not increase the greenhouse effect. However it is flammable and as such, care must be taken during transportation and installation to ensure no part of the cooling system is damaged. In the event of any damage:

- disconnect the mains supply to the appliance
- avoid anything which creates a spark
- air the room in which the appliance is located for several minutes (to ensure there is no gas build up, there should be at least 1m<sup>3</sup> of room space for every 8g of coolant).
- contact a qualified technician as soon as possible

The use of this environmentally friendly coolant has led to a slight increase in noise level. In addition to the noise of the compressor, the coolant flowing around the system may be heard. This is unavoidable, but does not affect the performance to the appliance.

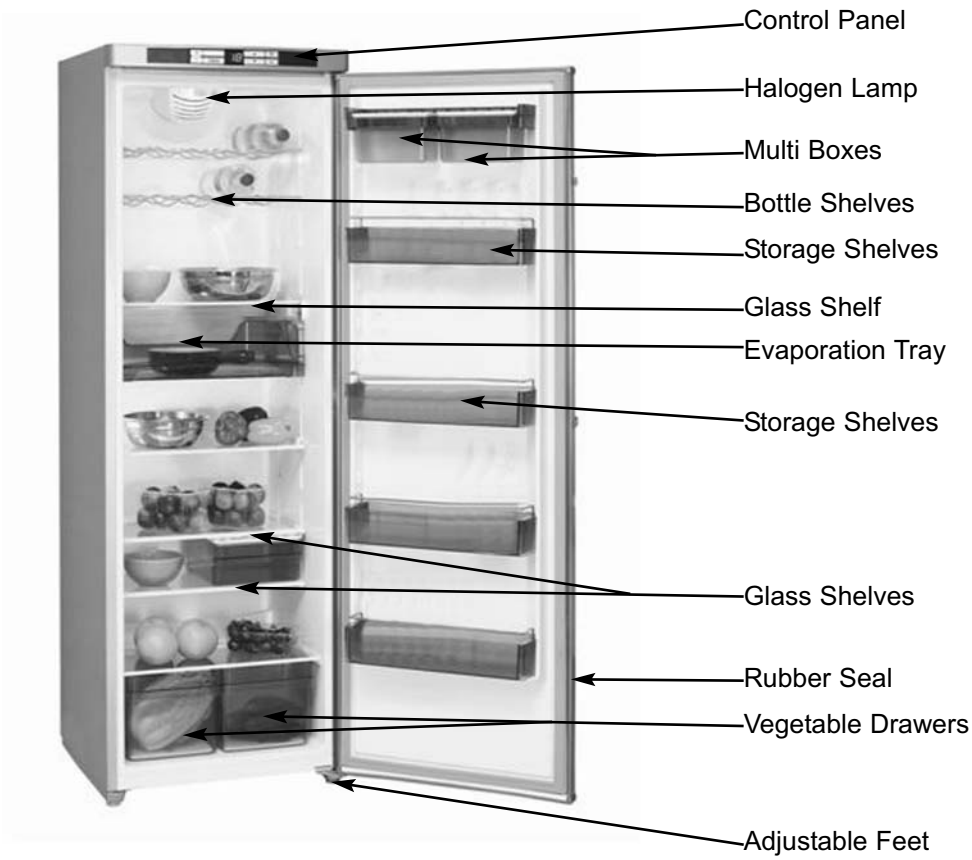
- \* This refrigerator must be properly installed in accordance with the Installation Instructions before it is used.
- \* Do not allow children to climb, stand or hang on the shelves in the refrigerator. They could seriously injure themselves and damage the refrigerator.
- \* Once in operation, do not touch the cold surface in the refrigerator compartment, particularly when hands are damp or wet. Skin may adhere to these extremely cold surfaces.
- \* Do not use a steam cleaner machine to clean the appliance, pressurised steam could reach the electrical components and cause a short circuit.
- \* Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this appliance.
- \* Unplug the appliance before cleaning and making repairs.  
**Note:** We strongly recommend that any servicing be performed by a qualified technician.

### Electrical Connection Warning

- \* The appliance should always be plugged into its own individual electrical outlet which has a voltage rating of 230V ~ 50hz.
- \* The appliance must be grounded. If in any doubt, have the wall socket and electrical circuit checked by a qualified electrician.
- \* Do not connect the appliance to the mains electricity supply by an extension lead. If an extension cord is necessary, make sure it is a cord with protection pin and safety certificate.
- \* The appliance is only completely isolated from the electricity supply when it has been switched off at the wall socket and the plug has been withdrawn.

## PRODUCT DESCRIPTION

### Refrigerator



## PRODUCT CHARACTERISTICS

## TECHNICAL DATA

- \* Total gross capacity: 354 L
- \* Refrigerator net capacity: 351 L
- \* Daily energy consumption: 0.49 kWh
- \* Monthly energy consumption: 14.7 kWh
- \* Annual energy consumption: 179 kWh
- \* Power supply: 230V ~ 50Hz
- \* Colour: Inox

## FEATURES

- \* Climate class SN-T
- \* Energy rating A
- \* Compressors: 1
- \* Number of outside doors: 1
- \* R600a refrigerant
- \* Outside inox handle
- \* Fridge

## MAIN FUNCTION

- \* Control panel (electronic)
- \* External control panel
- \* Automatic defrosting
- \* 2 x Spacious bottle shelves
- \* Durable and ergonomic shelves
- \* Multiboxes
- \* Adjustable shelves
- \* Universal doors
- \* 0-4°C Container
- \* Fan

## DIMENSION FOR TRANSPORT

- \* Height: 1904 mm
- \* Width: 630 mm
- \* Depth: 715 mm
- \* Weight: 78.5 kg

## DIMENSION

- \* Height: 1850 mm
- \* Width: 595 mm
- \* Depth: 600 mm
- \* Weight: 75.5 kg

## INSTALLATION

When placing, moving or lifting the refrigerator:

- \* Do not place it in a horizontal position or tilted more than 40°.
- \* Do not hold the door handle, pull the condenser at the back or touch the compressor unit.

The appliance should be installed in a dry, well ventilated room. The ambient temperature should not drop below 10°C or rise above 32°C otherwise malfunction may occur.

The installation location should not be exposed to direct sunlight and not be near a heat source such as an oven, radiator etc. If it is impossible to place the refrigerator away from a heat source, use a suitable insulating plate or observe the following minimum distances from it

- \* 1.2" (3cm) from an electric cooker.
- \* 12" (30cm) from an oil or solid-fuel cooker

If the appliance is to be placed next to another refrigerator, the lateral distance between the appliances should be at least 2cm.

Ensure the appliance is level and if necessary adjust using the two front levelling feet.

For easy opening of the refrigerator door, the distance between the side and the wall should be at least 5cm.

Once in place, ensure that the refrigerator is not standing on the power supply cord.

## CHANGING DOOR HINGES

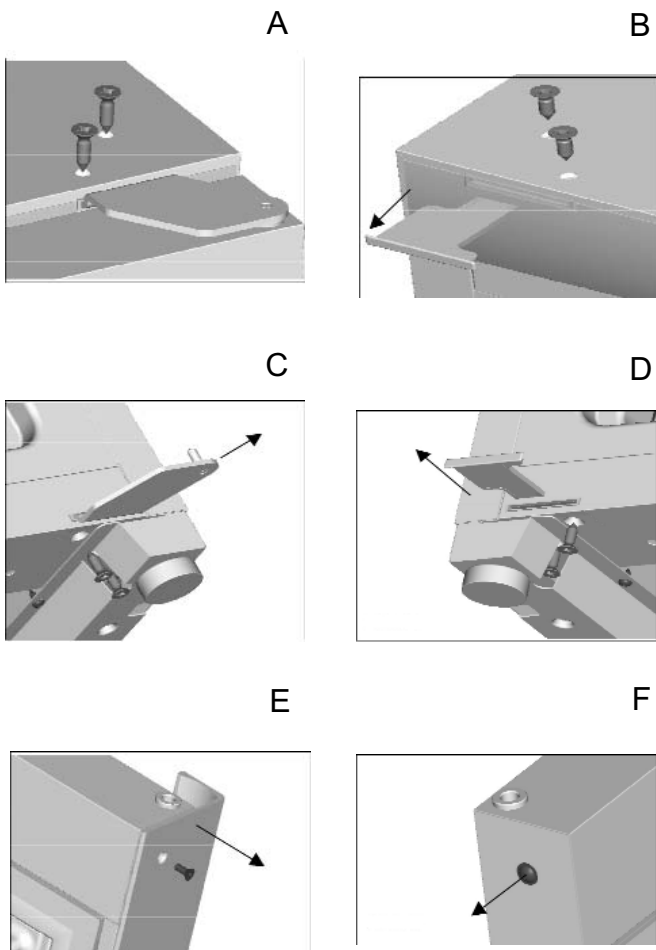
It is possible to change the door hinges from right-hinged to left-hinged or vice versa.

**The refrigerator must be switched off, unplugged from the wall socket, and emptied completely.**

- \* Remove the two screws in the hinge top on the right hand side of the cabinet (A).
- \* Lift the refrigerator door slightly and take the door and upper hinge off by pulling the door towards you.
- \* Remove the dummy hinge from the opposite side by unscrewing the two screws (B).
- \* Reverse the dummy hinge and refit it on the opposite side of the cabinet using two screws.



- \* Tilt the refrigerator to an angle of maximum 45° and unscrew the bottom hinge. This is done by removing the two screws holding the bottom hinge on the cabinet underside (C).
- \* Remove the bottom dummy hinge in the opposite side in the same way as the upper dummy hinge was removed (D).
- \* Reverse the dummy hinge and refit it on the opposite side of the cabinet.
- \* Reverse the upper right hand hinge and refit it in the lower left hand corner of the cabinet.
- \* Place the cabinet in the vertical position again.
- \* Dismount the door handle by removing the screws (E).
- \* Reverse the lower right hand hinge and refit it on the top part of the door in the left side of the cabinet. Push the door into position and slide the upper hinge into the upper left hand hinge casing. Tighten the two screws. Remember to adjust the hinges.
- \* Remove the screws on the right hand side of the door and screw them onto the left side of the door. Use the screws from the left side to attach the handles to the right hand edge of the doors (F).



## ELECTRICAL CONNECTION

**NOTE:** To ensure the correct functioning of the appliance let it stand for at least 2 hrs once fitted to its final location before connecting it to the mains.

This appliance requires a 230-240V, 50Hz supply and connection must be through a moulded plug (with a 5amp fuse fitted) which is fitted to the appliance in accordance with EN 60335, Consumer Protection, SI 1994 No. 1768, plug and sockets etc Safety Regulations 1994.

## HOW TO SAVE ENERGY

- \* Only open the door when necessary and for as short a time as possible.
- \* Store food in an organised way.
- \* Allow food and drinks to cool before placing them in the appliance
- \* Store food covered or packaged
- \* Do not over-fill the appliance to allow air to circulate.

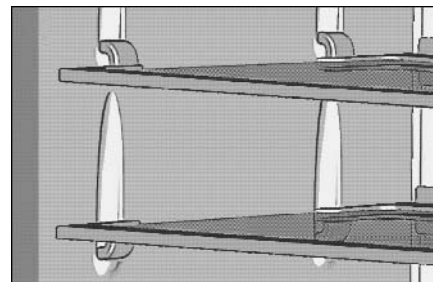
## VARIABLE INTERIOR DESIGN

### Glass Shelves

The height of the shelves can be adjusted depending on the position of the shelves projections in the grooves on the side of the refrigerator chamber.

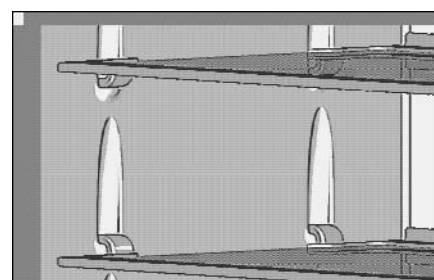
*Minimum distance between the shelves:*

Fig.1



*Maximum distance between the shelves:*

Fig.2



### **To remove shelves:**

Hold the right side of the shelf, Lift the left side with your left hand about 45° and pull the shelf towards you. When removing the shelves, start by removing the top one.

### **To replace shelves:**

Put the shelf in at an angle about 45° (same as removing shelf), align the right projections in the grooves located at the side of the refrigerator chamber and lower the left side of the shelf to fit the projections in the left hand side grooves. When replacing the shelves back in the refrigerator chamber, start with the bottom one.

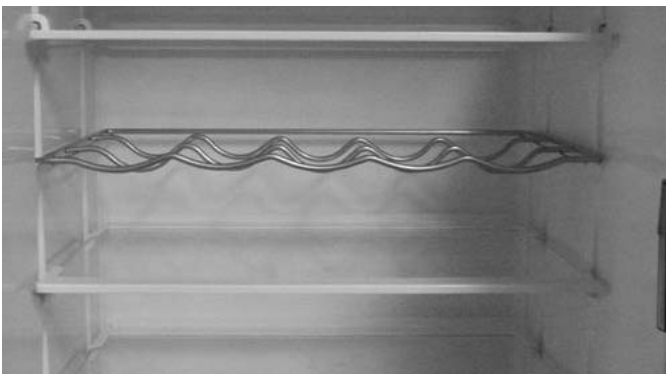


Fig.3

### **Bottle Shelves**

The bottle shelves are suitable for both large and small bottles and are removed/put back from/in the refrigerator chamber the same way as the glass shelves.

Fig.3a



### **Vegetable Drawers**

The two drawers at the bottom of the refrigerator chamber are designed to store fruit and vegetables. The glass shelf covering the drawers maintains humidity thus preventing stored food from drying out.

### **Door Storage Shelves**

The shelves in the door can hold bottles of up to 2 litres. They can be moved and placed throughout the entire height of the door.

### **Storage Boxes**

The storage boxes are ideal for all items of food. The tight fitting lids prevent drying out. They can be placed in the refrigerator or in the storage box holder on the door. The storage boxes are made of material which is not affected by oils, fats or weak acids.

### **0-4 Container**

0-4 [°C] container has been designed to allow lasting storage of food with no detriment to their nutritional values, aroma and appearance. Proper humidity is maintained in the container. The food is protected against the temperature fluctuations caused by repeated door opening and is easily accessible.

0-4 [°C] container can be removed if extra regular storage space is required.

## **USING THE REFRIGERATOR**

The refrigerator has been setup with a default temperature of + 5°C for optimum operation. It is possible to change and save the setting in the electronic control memory (see temperature setting section). The latest temperature setting will be kept in memory in case of a power failure.

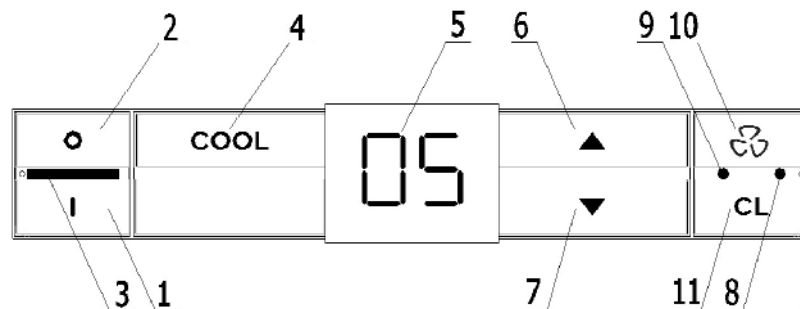
The electronic control has been equipped with the following functions:

- \* ON/OFF switch function.
- \* Display of the real temperature inside the refrigerator chamber.
- \* Setting temperature in the refrigerator chamber.
- \* Quick cooling
- \* Cooling fan
- \* Adjustment of the display contrast.
- \* Alarms and error codes.
- \* Visual indication of functions by the use of LED's.

Before using for the first time, clean the inside of the appliance and the drawers with warm water and a little washing up liquid and dry with a soft cloth.

Before connecting to the mains, let the appliance stand for at least 2 hours to ensure correct functioning.

## Control Panel



1. Refrigerator ON button
2. Refrigerator OFF button
3. Refrigerator ON light (green)
4. "COOL" button
5. Display showing the set temperature and error code
6. Refrigerator real temperature display button (increase button)
7. Refrigerator real temperature display button (decrease button)
8. Quick cooling ON light (blue)
9. Cooling fan ON light (yellow)
10. Cooling fan On/OFF button
11. Function button (Quick cooling, adjustment of display light)

## Switching ON and OFF

Start the freezer by pressing the ON  button (1). After approximately 5 seconds, the green light (3) will come on.

If the appliance is not used for a long period of time:

- \* Switch the refrigerator OFF by pressing the  button (2) and disconnect the power supply.
- \* Empty the refrigerator chamber.
- \* Leave the door slightly open to prevent the chamber from getting unpleasant smells.

## Temperature

The temperature values shown on the display are averages.

The appliance has a built in sensor which detects the changes of temperature in the room and will automatically cause the compressor to adjust the running time to maintain the set temperature.

## Display The Temperature

Press the  button (6) or the  button (7) to display the actual temperature in the refrigerator chamber.

## Temperature Setting

It is possible to modify the temperature in the refrigerator chamber. It can be set between +2°C and +9°C.

Press and hold the  (4) button. The current temperature will be displayed.

Press the  button (6) to raise the temperature and press the  button (7) to lower the temperature.

## Quick Cooling

This function is recommended when loading the refrigerator with a large quantity of food. The compressor runs continuously until the refrigerator compartment's temperature drops down to 1°C after which the super cooling function is automatically disabled and the normal compressor run cycle resumes to restore the latest set temperature.

Press the  (11) and the  (4) buttons to activate the function "SC" will appear on the display. The blue light (8) will come on when function is activated.

It is still possible to view the refrigerator compartment current temperature by pressing the  button (6) or the  button (7)

To disable the quick cooking function manually:

Press the  (11) and  (4) buttons together again. The blue light (8) will switch off when the function is de-activated.

## Cooling Fan

This function allows maintaining the same temperature on all levels of the refrigerator chamber.

It is switched ON and OFF by pressing the  button (10). The yellow light (9) is turned on when the function is activated.

When the cooling fan is not switched on, the natural circulation of air within the refrigerator chamber will cause different temperature zones. This caused by the cold air sinking to the lowest section of the chamber. This should be kept in mind when loading the refrigerator (see Using the Refrigerator Efficiently).

### Brief Temperature Variation

Brief temperature variation may occur when the refrigerator door is open during loading. These variations will not affect the food and the temperature will quickly return to its preset value.

### Display Brightness Adjustment

There are 3 different options to adjust the brightness of the display;

- \* 1.8 minimum brightness
- \* 2.8 medium brightness
- \* 3.8 maximum brightness (default setting)

To adjust:

Press and hold the **CL** button (11). Press the **▲** button (6) to increase and the **▼** button (7) to decrease brightness.

### Alarm and Error Codes

Error Codes	Type	Description
E1	Temperature sensor fault in the refrigerator chamber	Sensor has been damaged. Call a qualified technician. The built-in emergency program will maintain an adequate temperature until the fault has been removed.
E4	Door open	The refrigerator door has been open for more than 3 minutes

### Interrupting The Alarm

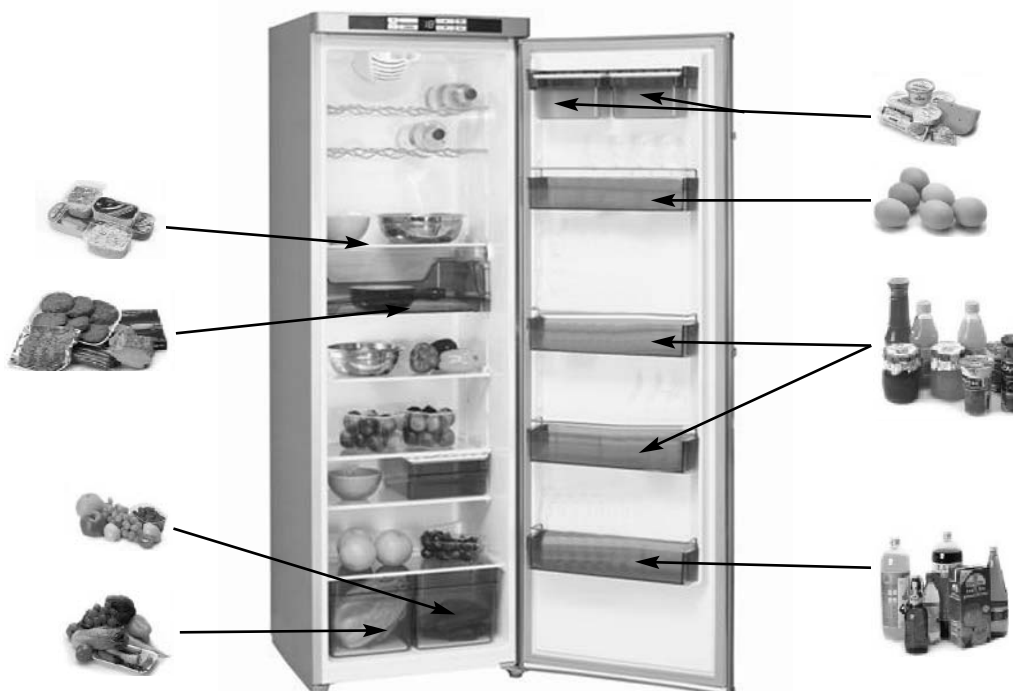
The alarm can be interrupted by opening and closing the door or by pressing any buttons on the control panel for 7-8 seconds.

In case of error E1, the fault can only be stopped when the damaged sensor has been replaced.

## USING THE REFRIGERATOR EFFICIENTLY

### Storage Zones In The Refrigerator

Due to natural circulation of the air in the appliance, there are different temperature zones in the refrigerator chamber.



### Coldest Area

The coldest area is directly above the vegetable drawers. Use this area for all delicate and highly perishable food e.g.

- \* Fish, meat, poultry
- \* Sausage products, ready meals
- \* dishes or baked goods containing eggs or cream
- \* fresh dough, cake mixtures
- \* pre-packed vegetable and other fresh food with a label stating it should be kept at a temperature of approx 4°C.

### Warmest Area

The warmest area is in the top section of the door. Use this for storing butter and cheese.

### Food Not To Be Stored In A Refrigerator:

Not all food is suitable for storing in the refrigerator. These include:

- \* Fruit and vegetables which are sensitive to cold, such as bananas, avocado, papaya, passion fruit, aubergines, peppers, tomatoes and cucumbers.
- \* Fruit which are not yet ripe.
- \* Potatoes
- \* Some hard cheeses, e.g. Parmesan.

### Storing Food Correctly

Store food covered or packaged. This will prevent:

- \* Food smells or tastes from affecting other foods
- \* Food from drying out
- \* Any cross-contamination of bacteria

The growth of bacteria, such as salmonella, can be avoided by setting the correct temperature and maintaining good standards of hygiene.

### Fruit & Vegetables

Fruit and vegetables can be stored loose in the vegetable drawers. However, you should bear in mind that some types of vegetables release a natural gas (e.g. apples, apricots, pears, nectarines, peaches, plums, avocado and figs) which speeds up the rate at which food perishes. Some fruit and vegetables react strongly to this gas and should not be stored together (e.g. Kiwis, broccoli, cauliflower, brussels sprouts, mangos, honeydew melons).


## DEFROSTING, CLEANING & MAINTENANCE

### Defrosting The Refrigerator

The refrigerator automatically defrosts while the compressor is at a standstill. However, in some instances (e.g. over-loading the refrigerator chamber), the refrigerator may not defrost completely before the compressor restarts. This causes frost to form on the rear wall of the chamber, if this occurs, manual defrosting may be required unless repairs are made to the automatic defrost function.

### Manual Defrosting & Cleaning Of The Refrigerator Chamber

It is recommended to clean the appliance at least once a month.

Stop the refrigerator compressor by pressing the . Disconnect the power supply. Remove all the shelves and drawers and wash the chamber wall with warm water (never use boiling water) and a little washing up liquid. Wash all accessories by hand only; they are not dishwasher safe.

Clean the water drain using the cleaning pin supplied (See Fig.11). Dry with a soft cloth.

Fig.11



### Heat Exchanger

The heat exchanger (the metal grille at the back of the appliance) and the compressor compartment should be dusted at least once a year. A build-up of dust will increase the appliance energy consumption.

While cleaning make sure that the pipe work and other components do not get broken or damaged.


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## **Door Seals**


Grease or oil should never be used on door seals as these will cause them to deteriorate and become porous over time.

The door seals should be cleaned regularly with clean warm water and wiped dry with a soft cloth.


## **After Cleaning**

Replace all the shelves and accessories in the refrigerator chamber. Place food back in the refrigerator chamber, close the appliance door and connect the power supply. Switch the refrigerator ON by pressing the  button (1).

## **Replacing The Light Bulb**

Switch off the refrigerator by pressing the OFF  button (2). Disconnect the power supply.

Using a philip's head screw-driver, unscrew the bulb cover (See Fig.12). Replace the bulb with a new one (max. 10W, 12V halogen base G4) and replace the bulb cover. Re-connect the power supply.

Restart the refrigerator by pressing the ON  button (1).

## TROUBLE SHOOTING

The following are a list of minor faults with instructions on how to rectify, these should be checked by the user:

PROBLEM	REASON	ACTION
The appliance does not work	No power to the unit	<ul style="list-style-type: none"> <li>* make sure the plug is properly inserted into the socket</li> <li>* make sure there is electricity in the socket by plugging in another electric device, such as a night lamp.</li> <li>* make sure the power supply cord is not damaged.</li> </ul>
	The compressor hardly ever activates	<ul style="list-style-type: none"> <li>* make sure the ambient temperature is not below +16°C</li> </ul>
The lighting inside the chamber does not work	The bulb is loose	<ul style="list-style-type: none"> <li>* first do the tests mentioned above (the appliance does not work),</li> <li>* tighten the bulb or replace with a new one</li> </ul>
The temperature inside the chambers is not low enough (the compressor operates continuously)	The door does not shut tight or is opened too often	<ul style="list-style-type: none"> <li>* re-arrange the products so as they do not hamper the door</li> <li>* shorten the time the door is opened</li> </ul>
	The ambient temperature is above + 32°C	<ul style="list-style-type: none"> <li>* the appliance is designed for operation in temperatures from +16°C to +32°C</li> </ul>
	Air circulation at the back of the appliance hampered	<ul style="list-style-type: none"> <li>* move the appliance a bit away from the wall</li> </ul>
	The appliance is placed in a sunny place or near a heat source	<ul style="list-style-type: none"> <li>* move the appliance to a different location</li> </ul>
Water collects at the bottom part of the fridge	The food touches the back wall of the refrigerator chamber	<ul style="list-style-type: none"> <li>* move the food or containers away from the back wall</li> </ul>
	The drain opening is clogged	<ul style="list-style-type: none"> <li>* take the cleaning plug and unclog the condensate opening</li> </ul>
The appliance makes too much noise	The appliance is not level	<ul style="list-style-type: none"> <li>* level the appliance</li> </ul>
	The appliance is touching a piece of furniture or other objects	<ul style="list-style-type: none"> <li>* place the appliance detached, so as it is not touching any objects</li> </ul>



## WARRANTY

We undertake to repair or replace, free of charge to you any part found to be faulty within the 2 year period from the date of purchase provided that:-

- \* The fault is, in our opinion, caused by defective workmanship, or material and not by accident, misuse, neglect or normal wear and tear.
- \* Any manufacturing defect is reported to the stockist from whom you bought the appliance or directly to Waterford Stanley Service Department within 2 years of the date of purchase.
- \* The Waterford appliance is installed to the Manufacturer's recommendations and by a suitably qualified person.
- \* The guarantee registration form is completed fully and returned to us within 30 days of the purchase date, or proof of purchase is provided detailing the date of purchase.

**IMPORTANT NOTICE:** Any alteration to this appliance that is not approved in writing by Waterford Stanley will render the guarantee void.

**Waterford Stanley Ltd.,**  
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Waterford, Ireland.  
Tel: (051) 302300 Fax (051) 302315





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