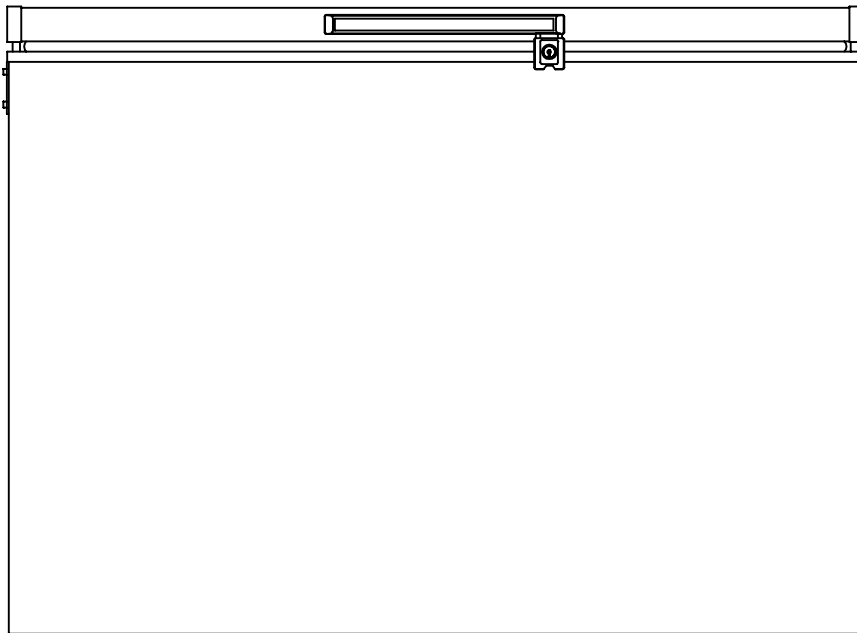




# INSTRUCTION MANUAL

---

**RC 230 G / GE / GET / SC**



English

Page 3



# OPERATING AND INSTALLATION INSTRUCTIONS FOR DOMETIC COOLERS

## INTRODUCTION

We are pleased that you have chosen this cooler and hope you will derive much satisfaction from using it, but first a few well-meant words of advice:

It is important to read through these instructions carefully before using the cooler.

To ensure good refrigeration and economical operation, the cooler must be installed and used as described in these instructions.

The cooler is designed for operation in homes, locations, cottages, holiday homes, chalets or similar.

## TRANSIT DAMAGE

Inspect the cooler for damage. Transit damage must be reported to whoever is responsible for delivery not later than seven days after the cooler was delivered.

## DATA PLATE

The data plate, on the back of the cooler, must be checked to ensure that you have received the right model.

The following detail is an example of what should be indicated on the data plate::

Product no.	9211600..
Model no.	RC2210...
Serial no.	.....
Voltage	.....volts
Wattage	.....watts
Fuel	.....

Since these details will be needed if you have to contact service personnel, it is a good idea to make a note of them here.

## CONTENTS

<b>OPERATING INSTRUCTIONS.....</b>	<b>4</b>
<b>CONTROLS.....</b>	<b>4</b>
<b>STARTING THE COOLER.....</b>	<b>4</b>
<b>REGULATING THE TEMPERATURE.....</b>	<b>4</b>
<b>FOOD STORAGE.....</b>	<b>5</b>
<b>DEFROSTING.....</b>	<b>5</b>
<b>CLEANING THE COOLER.....</b>	<b>5</b>
<b>TURNING OFF THE COOLER .....</b>	<b>5</b>
<b>IF THE COOLER FAILS TO WORK.....</b>	<b>5</b>
<b>MAINTENANCE.....</b>	<b>6</b>
<b>REGULAR MAINTENANCE.....</b>	<b>6</b>
<b>SOME USEFULL HINTS.....</b>	<b>6</b>
<b>SERVICE.....</b>	<b>6</b>
<b>TECHNICAL DATA.....</b>	<b>6</b>
<b>INSTALLATION INSTRUCTIONS.....</b>	<b>6</b>
<b>PLACEMENT OF THE COOLER .....</b>	<b>6</b>
<b>LP GAS CONNECTION .....</b>	<b>7</b>
<b>ELECTRICAL CONNECTION .....</b>	<b>8</b>

## OPERATING INSTRUCTIONS

### CONTROLS

All references are to fig. 1.

The controls are located in the left rear corner of the cooler.

Depending on the model, the cooler can run on 240 V, 230 V, 220 V, 127 V, 110 V, LP Gas or as indicated on the data plate. The method of operation is selected by connecting the appropriate energy source.

Some models allow for the cooler temperature to be controlled by a thermostat (C). The off position of the thermostat will only switch off the cooler if it is operating on electricity.

The safety valve (B) is used to automatically switch off the gas supply to the burner when the flame dies.

The piezo igniter (A) is used to light the gas. When the button (A) is pressed, sparks are generated at the burner.

### STARTING THE COOLER

**Caution!**  
**Only use one source of energy at a time**

All references are to fig. 1.

#### LP Gas operation

After initial installation, servicing, or changing gas cylinders etc., the gas pipes may contain some air, which should be allowed to escape by briefly pressing the flame failure device button (B). This will ensure that the flame lights immediately.

Ensure that the cooler is level before starting up. Place the spirit level supplied, on the floor of the cooler to confirm whether it is level. A level floor will ensure that the cooler is level.

To start gas operation:

1. Open the shut off valve of the gas bottle (check that there is enough gas). Open any on board shut-off valve.
2. Check for leaks at the connection with a soap solution.
3. Check that the electricity supply is switched off.

4. If the cooler is fitted with a thermostat, set the thermostat knob (C) to the coldest setting (turn clock wise)
5. Keeping the flame failure device button (B) pressed, press the igniter (A) repeatedly until the flame ignites.
6. Keep the (B) button pressed for a further 10 to 15 seconds then release it.

The flame quality of the burner is pre set in the factory and should not need any adjustment. If however a Yellow flame is noted the aeration of the burner should be adjusted.

- Screw the air control ring (Fig 4 A) upward until the flame becomes yellow, then screw the ring down wards until the flame is about 5mm high and a blue / green colour.

If the flame does not start within 10 or If a flame is detected at any location other than directly above the burner mesh, the gas supply must be turned off immediately. Allow one minute for the gas to disperse and then re-ignite the burner, ensuring that all steps are followed correctly. If the problem persists, contact your local Dometic Service Agent.

To terminate gas operation, close the shut off valve of the gas bottle and close any on board shut off valves.

#### Mains electricity Operation

Before switching on the cooler, check that the voltage stated on the data plate is the same as the main voltage in use.

1. Turn off gas operation when applicable.
2. Switch on the main supply to the cooler.

### REGULATING THE TEMPERATURE

All references are to fig. 1.

It will take a few hours for the cooler to reach normal operating temperature. So we suggest you start it well in advance of loading it and if possible store it with precooled foodstuffs.

The temperature of the cooler can only be adjusted on units fitted with a thermostat.

Turning the thermostat knob (C) in a clockwise direction will result in a colder temperature.

## FOOD STORAGE

Always keep food in closed containers. Never put hot food in the cooler, allow it to cool first.

**Never keep items in the cooler, which might give off flammable gasses.**

Most kinds of food can be stored in the cooler for about a month. This period of time may vary, and it is important to follow the instructions on the individual packets.

**Bottle coolers must be fitted with a thermostat**

## DEFROSTING

Frost will gradually accumulate on the cooler and evaporator surfaces. It must not be allowed to grow too thick as it acts as an insulator and adversely affects cooling performance.

Check the formation of frost regularly every week and when it gets about 5 mm thick, defrost the cooler.

To defrost the cooler, turn it off and remove all food items, leave the cooler lid open.

**Warning:** Normally the temperature of food would rise unduly during defrosting and they should be consumed within 24 h or discarded.

Do not try to accelerate defrosting by using any kind of heating appliance, as this might damage the plastic surfaces of the freezer. Neither should any sharp objects be used to scrape off the ice.

Defrost water should be mopped up with a cloth.

When the ice has melted, wipe the cooler dry and restart it.

Some models are fitted with a drain pipe in the right hand back corner of the inner tank. Remove the cap and water will drain to the outside.

## CLEANING THE COOLER

Clean the inside of the cooler regularly to keep it fresh and hygienic.

Soak a cloth in a solution consisting of a teaspoon of bicarbonate of soda to half a litre of warm water. Wring out the cloth and use it to clean the interior of the cooler and fittings.

Never use detergents, scouring powder, strongly scented products or wax polish to clean the interior of the cooler as they may damage the surfaces and leave strong odour.

The exterior of the cooler should be wiped clean now and again, using a damp cloth and a small quantity of detergent. The lid gasket, which should only be cleaned with soap and water and then thoroughly dried.

## TURNING OFF THE COOLER

If the cooler is not to be used for some time:

1. Close the shut off valve of the gas bottle and close any on board shut off valves.
2. Switch off the main electricity supply to the cooler
3. Empty the cooler. Defrost and clean it as described earlier.
4. Leave the lid open / adjure

## IF THE COOLER FAILS TO WORK

Check the following points before calling a service technician:

1. That the **“STARTING THE COOLER”** instructions have been followed.
2. The cooler is level.
3. If it is possible to start the cooler on any of the connected sources of energy.
4. If the cooler fails to work on gas, check:
  - 1 That the gas bottle is not empty.
  - 1 That all LP gas valves are open.
  - 1 That the thermostat is not set to the off position.
5. If the cooler fails to work mains electricity, check:
  - 1 That the appropriate of the mains electricity supply voltage is connected to the cooler. See data plate for correct voltage.
  - 1 That the thermostat is not in the off position

**If the cooler is not cooling sufficiently, the reason may be:**

1. Inadequate ventilation of the cooling unit; see the paragraph PLACING THE COOLER.
2. The evaporator is frosted up.
3. Incorrect thermostat setting.
4. Incorrect gas pressure – please check the pressure regulator on the gas container.
5. Incorrect electrical source – confirm that the main electrical supply is the same as that specified on the data label.
6. The ambient temperature is too high.
7. Too much food is loaded at one time.
8. More than one source of energy is used at the same time.

**If the cooler still does not work properly, call a service technician.**

**The sealed cooling system must not be opened, since it contains corroding chemicals under high pressure.**

## MAINTENANCE

### REGULAR MAINTENANCE

Always refer to a qualified Dometic Service agent who is familiar with LP gas systems and coolers.

We recommend that a service technician check the cooler once a year.

- 1 Check all connections in the LP gas system for gas leaks. Connections can be tested for leaks using a soap solution. **Do not use a naked flame!**
- 1 Check that the burner is clean and free from combustible material.

### SOME USEFUL HINTS

**Make sure that:**

- 1 Defrosting is carried out periodically.
- 1 The cooler is clean and dry with the lid left open when it is not to be used for some time.
- 1 Liquids or items with a strong odour are well packed

- 1 There is free air circulation over the cooling unit at the rear of the cooler.

## SERVICE

Service and spare parts are obtained from your dealer or Dometic – consult the telephone directory.

## TECHNICAL DATA

Overall dimensions of the cooler

Height	855 mm
Width	1156 mm
Depth (incl. cooling unit)	750 mm

Capacity

Gross	230 litres
-------	------------

Weight (without packing)

79 kg

Electrical data

Input 230V, 127V, 110V	350 Watt
Energy consumption (in 24h)	

LP Gas data

Input, max.	28 g/hour
Energy consumption (in 24h)	

Cooling medium

Ammonia

## INSTALLATION INSTRUCTIONS

### PLACEMENT OF THE COOLER

The room should have a capacity (length x width x height) of at least 20m<sup>3</sup> and must be adequately ventilated and be in accordance with all relevant national and local regulations.

Further the room should have a window (which can be opened) or a door to the outside.

It is important that the cooler is not subjected to radiated heat from a stove, the sun etc. Do not place in front of a window.

**This Appliance must be positioned so that the plug is accessible.**

**THESE INSTRUCTION FOR VENTILATION AND PLACEMENT IS VITAL TO ENSURE OPTIMUM PERFORMANCE AND HUMAN SAFETY**

For best results at high ambient temperatures there must be a free air circulation over the cooling unit at the rear of the cooler but not a draught. The cooler is designed for a freestanding installation and the clearance to the rear wall should be at least 200mm and to possible sidewalls should be at least 80mm. The cooling fins at the rear of the cabinet must not be covered. (Fig. 2)

The cooler should be adjusted to a horizontal position from left to right and from back to front. Place the spirit level supplied, on the floor of the cooler to confirm whether it is level. A level floor will ensure that the cooler is level.

**The cooler should always be kept away from inflammable materials.**

## LP GAS CONNECTION

The cooler is designed for operation on LP gas, using a regulator the pressure of which must be 28 – 30 mbar for 13+ Butane/Propane. Check that this is stated on the Data plate.

**The cooler is not designed for operation on town gas or natural gas.**

**CAUTION! CHECK THAT THE GAS SUPPLIED TO THE COOLER IS AT THE CORRECT PRESSURE. SEE THE REGULATOR ON THE LP GAS CONTAINER.**

The gas installation should only be carried out by a person experienced in gas fittings. It is recommended that the gas pipe feeding the cooler is so arranged that it is possible to turn off the supply of the cooler.

If your cooler does not include a flexible gas supply hose, or if a new hose is to be fitted the following steps are to be followed. See Fig. 3 (A) for units with a thermostat, or Fig. 3 (B) for units with no thermostat.

- Ensure that the hose nozzle (A) is clean and dry.
- Push the hose (B) over the total length of the hose nozzle and secure with a hose clamp (C).

**On completion of installation, the system must be pressure tested by a qualified person.**

If at any time a leak is suspected, a soapy water solution can be applied to the area of the suspected leak while the gas line is under pressure. A leak will be indicated by soap bubbles forming around the area of the leak.

- If an LP Gas leak is detected on any of the components of the cooler, immediately turn off the gas supply to the cooler and contact your nearest Dometic service agent.
- If an LP Gas leak is detected in the distribution line immediately turn off the main gas and contact your nearest LP Gas installer.

## ELECTRICAL CONNECTION


The electrical installation must be carried out in a proper and durable manner, taking into account all relevant regulations and codes of practice.

For connection to a mains electricity supply, the cooler has a 3-core mains lead which is intended for connection to a properly earthed plug and socket outlet.

This Appliance is fitted with a Type X Electrical attachment.

**If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.**

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follow:

- the wire which is coloured Green and Yellow must be connected to the terminal in the plug which is marked with the letter E or by the Symbol , or coloured Green or Green and Yellow,
- the wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black,
- the wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Red.

**WARNING- THIS APPLIANCE MUST BE EARTHED**

### IMPORTANT

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

- green/yellow      earth
- blue                neutral
- brown              live

**Electrical leads must be routed and secured so that they cannot come into contact with hot or sharp parts of the cooler.**



POSTAL ADDRESS

**PO BOX 1538  
BRONKHORSTSPRUIT  
1020  
SOUTH AFRICA**

STREET ADDRESS

**201 MANGANESE  
STREET  
BRONKHORSTSPRUIT**

TELEPHONE

**NAT (013) 933-3254  
INT +27 13 933 3254**

TELEFAX

**NAT (013) 933-3224  
INT +27 13 933 3224**

REG. NO.

**73/10155/07**