LABCOLD™
medical & scientific refrigeration

Sparkfree Refrigerator RLPR0217/0517/1517 Operating Instructions

www.labcold.com

WARNING!

Servicing should ONLY be carried out by a suitably qualified engineer and only engineers who have been trained in the safe handling and use of hydrocarbon refrigerants should work on the refrigeration system

If the power supply cord is damaged, it MUST be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard

Do not use mechanical or other means to accelerate the defrosting process. Keep clear of obstruction all ventilation openings in the appliance enclosure. This refrigerator is climate class 4 and is designed to operate at +16°C to +32°C ambient room temperature

Do **not** damage the refrigerant circuit
If you suspect a leak contact the manufacturer or its service agents immediately.
Do not touch the refrigerant, it can cause severe eye irritation, redness, tearing, blurred vision, and possible freeze burns. Contact with evaporating liquid may also cause frostbite or freezing of the skin.

Do **not** use electrical appliances inside the freezer

Maximum load on shelves and draws is 10Kg/m^2
The noise level in normal operation is lower than 70dB

Labcold Sparkfree refrigerators RLPR0217/0517/1517 are designed for storing volatile substances in a professional environment and to be used by adults only

Please note this refrigerator is not explosion proof.
Do **not** store explosive substances such as aerosol cans with flammable propellant in this appliance. Do **not** store open containers of volatile substances this is misuse and could lead to explosions.

WARNING!
This refrigerator contain a flammable gas

MUST NOT be located in a room or area with a volume less than 10m^3

This refrigerator contains gas under pressure which may explode if heated

WEEE: Disposal at end of life.

This equipment, when being disposed of in an EU Member State, is subject to the Waste Electrical and Electronic Equipment Regulations (WEEE) and must be recycled and disposed of in accordance with EU directive 2002/96/EC as applied in local laws of that State at the time of disposal. This refrigerator contains flammable insulation gases and must be disposed of in the appropriate way by competent persons. Ensure that none of the refrigerant circuit pipes are damaged prior to disposal.

The symbol below on the appliance or accompanying documents indicates that this refrigerator should not be treated as ordinary waste but must be taken to a special collection centre for the recycling of electrical equipment. For more information regarding the treatment, recovery or recycling of this product, contact your competent local office, electrical waste disposal or vendor from whom you purchased the refrigerator.

As this item is designed for medical or scientific use, before presenting for collection and disposal it will be necessary for the user to provide documentary evidence of decontamination and/or that it is entirely safe to handle and dismantle outside of a controlled environment. Goods that cannot be so certified fall outside the scope of the Directive and remain the user's responsibility to dispose of.

Operating instructions for your

Labcold
Sparkfree Refrigerator

RLPR0217/0517/1517

Contents

Before use 1
A closer look 2
Fitting the handle 2
Plug in & switch on 3
Front panel display 3
Alarms 4
Door Lock 4
Caring for your fridge 5
Loading 5
Cleaning 5
Defrosting 6
Trouble Shooting 7
Useful Information 8

ⓘ **IMPORTANT:** These operating instructions contain information essential to the safe and reliable operation of your refrigerator. Failure to use your refrigerator in accordance with these instructions may invalidate your warranty.
PLEASE RETAIN AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE

Original Instructions - Version 3 05.2020

1

Before Use

Thank you for purchasing a **Labcold** RLPR0217/0517/1517 Sparkfree Refrigerator. Your fridge has been purpose designed and precision built for the safe storage of flammable materials with all possible sources of ignition removed from the inside of the fridge.

WARNING!
Do not store open containers of volatile substances
this is misuse and could lead to dangerous situations.

Although great care has been taken in the manufacture of your fridge, damage can occur in transit. **Before** using for the first time please remove all packaging and give your fridge a thorough visual inspection. If any damage is suspected, please contact your retailer immediately upon receipt of the product. **Failure to do this may invalidate your warranty.**

Please note this fridge is **not** explosion proof.
Do not store explosive substances such as aerosol cans with flammable propellant in this appliance.

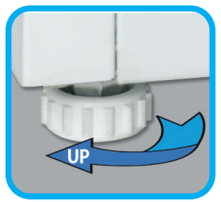
Setting Up

Place your refrigerator in the location in which it is to be used allowing adequate ventilation for the dissipation of any vapours from the cabinet. We recommend to avoid injury and damage to the refrigerator that at least two people are involved with the siting of the fridge. **Do not** tip more than 45º when moving in to position.

WARNING
Keep clear of obstruction all ventilation openings in the appliance enclosure

ⓘ Do not place your fridge near a direct heat source or direct sunlight and leave at least 6cm all round the unit for adequate ventilation. **Failure to do so may effect the performance of your refrigerator.**

Clean your fridge with mild soapy water to remove any dust that may have accumulated during manufacture and dry thoroughly.



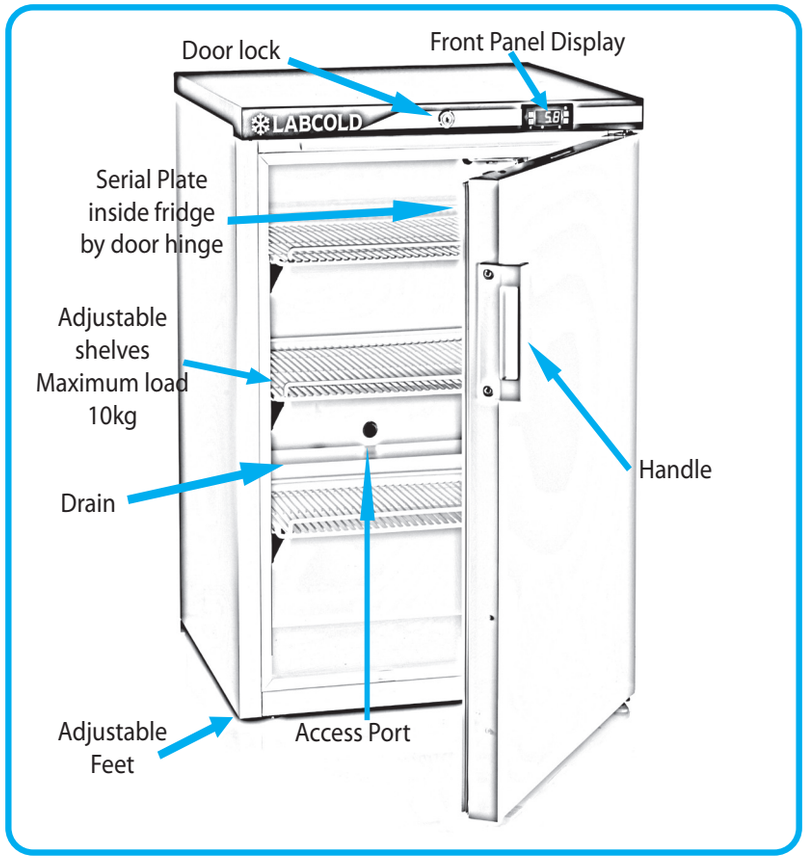
Ensure your refrigerator is level by adjusting the feet at the bottom of the unit. Failure to do so may mean that it rocks during operation and the self close door does not operate correctly.

WARNING
Do not use electrical appliances inside the storage compartments of the fridge

YOUR REFRIGERATOR SHOULD NOW BE LEFT FOR AT LEAST TWO HOURS BEFORE CONNECTING TO POWER FOR THE FIRST TIME

2

A Closer Look



Fitting the handle (if required)

To attach the handle, simply screw to the unit using the screws provided.

WARNING! Failure to fit the handle may result in damage to the door gasket

3 Plug in & Switch on

Before plugging in your **Labcold** fridge for the first time make sure the power cable is free from damage and check that your voltage corresponds to that on the serial plate.

It is recommended that you do not use extension cords or multiple socket adapters. Make sure the power cable is not bent, pinched or compressed and that it can be easily accessed.

If necessary push the ⏻ button for 3 seconds to start the fridge.

ALTHOUGH THE FRIDGE WILL REACH 5°C AFTER A FEW HOURS (APPROX) YOU SHOULD LEAVE THE FRIDGE RUNNING FOR 24 HOURS BEFORE FILLING WITH TEMPERATURE SENSITIVE PRODUCTS.

Front Panel Display

Your fridge is preset to 5°C so you do not have to program the set point. To check the set point, simply press the SET button.

If the compressor LED is on it simply means the compressor is running. This is a normal part of operation especially after door openings. If the manual defrost LED is on the fridge is performing a short defrost and if the ⏻ LED is red, the fridge is either in standby mode or is off. In either of these states it will **not** be cooling. Press and hold the off/on button to restart the refrigerator.

THE REFRIGERATOR HAS A PRE PROGRAMED SET POINT OF 5°C ONLY A LABCOLD ENGINEER CAN CHANGE THE SET POINT.

Alarms 4

Door Open Alarm

Your fridge will emit a loud beep and flash **Id** if the door is left open for approximately 4 minutes. To mute the alarm, press any button on the controller. The display will still flash **Id** until the door is closed.

High and Low Temperature Alarms

Your refrigerator has been set up to alarm if the temperature goes below -1°C or above 12°C. As with the door alarm it will make a beeping sound and if the temperature is below -1°C the display will flash **AL** and if the temperature exceeds 12°C it will beep and flash **AH**.

To mute the alarm, press any button on the controller.

WE RECOMMEND ANY TEMPERATURE ALARM IS INVESTIGATED AND THAT YOU CONTACT THE SERVICE TEAM ON 01256 570 580 IF THE ALARM CONTINUES FOR ANY LENGTH OF TIME.

Door Lock

Your **Labcold** sparkfree laboratory fridge is fitted with a door lock and you are provided with 2 keys.

To open this lock push the key in gently and turn the key 90° to the right. To lock, turn the keys 90° to the left. The key can safely be removed from both the locked and unlocked positions.

KEYS SHOULD NOT BE LEFT IN THE LOCK AS THEY PROTRUDE FROM THE FRIDGE. THEY COULD CAUSE A HEALTH AND SAFETY HAZARD OR COULD BE KNOCKED, WHICH MAY DAMAGE THE LOCK.

5 Caring for your Fridge

As with all refrigerators, your **Labcold** sparkfree fridge, although designed to provide you with many years of fault free service, will perform better if attention is paid to the loading and that it is regularly cleaned and defrosted.

Loading

In order to ensure even temperature distribution throughout your fridge it is important that:

- The shelves are not over filled
- The contents are not packed too closely together
- The maximum loading of the shelves is 10kg, do **not** overload
- The contents do not touch the wall or the bottom of the fridge
- After restocking the fridge, check the temperature 10 minutes later to ensure that the refrigerator is cooling down, running satisfactorily and is not over filled.

Cleaning

It is recommended that your refrigerator is cleaned on a regular basis.

ⓘ **Before cleaning it is essential that you unplug the fridge from the electricity supply, transfer the contents where they can be stored and monitored at the correct temperatures, and defrost it fully.**

When cleaning you should:

- **Not** use strong detergents or bleach.
- Wipe the inside of the fridge in the same solution and dry with a soft cloth.
- Wipe the door seal with a damp cloth.
- Gently remove the dust on the outside and back of the fridge. **Take care not to damage the pipes.**

WARNING! If the power supply cord is damaged, it MUST be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard

Defrosting 6

Your refrigerator features an automatic off cycle defrost and should remain frost free as part of normal operation. However, ice may occur in times of high humidity, if the door has been opened frequently or left open for a long time, if it is overstocked or the ambient temperature is high or low.

IT IS ESSENTIAL THAT THE CONTENTS OF THE FRIDGE SHOULD BE REMOVED AND STORED AND MONITORED AT THE CORRECT TEMPERATURE BEFORE ATTEMPTING DEFROSTING

WARNING
Do not use mechanical or other means to accelerate the defrosting process

For a **short** defrost you should:

- Press the button for 3 seconds which will activate the defrost program. This will terminate automatically when the pre-programmed defrost temperature has been reached.

For a **thorough** defrost you should:

- Remove all the contents and unplug or disconnect the fridge from the electricity supply
- Leave the unit unplugged with the door open at room temperature until all the ice is melted
- Collect water in tray or with towel
- Do not use a sharp implement to remove any ice, as this will damage the inside of the fridge
- Do not use mechanical, electric or chemical means to speed up the defrosting process
- Dry thoroughly and remove any surplus water before returning to use
- Plug in and leave cooling and wait for the temperature to return to the set point and the unit to maintain the correct temperature before re-stocking the fridge

7 Trouble Shooting

My refrigerator is not working

- Check that the fridge is plugged in and the plug socket is turned on.
- Try another appliance in the power socket. If this appliance works but your fridge doesn't, please contact your retailer. If the second appliance also doesn't work the problem is likely to be with your power socket.

My fridge is making a gurgling noise

All Labcold refrigerators work by condensing an environmentally friendly gas. This is what causes the back of the refrigerator to get cold, and as part of this process the gas has to be compressed into liquid. This is why sometimes you will hear liquid sounds coming from the fridge.

There is a build up of water in my fridge

If you have defrosted the fridge any ice in the chamber is melted and runs into the drain hole at the back of the fridge. If the drain is blocked, water will remain inside the fridge. Please check and clear the drain hole so water can run away freely.

There is ice in my fridge

- A small amount of ice is perfectly normal but ice can build up for a variety of reasons:
- The room is too warm or even damp.
- The temperature is set too low – please check the set point by pushing the set button. Please contact the Labcold service team if the set point is too low.
- The door is left open too long or too frequently.

What does the code mean on the display?

Code Displayed	Description	Action Required
Id	Door open alarm	Close the door
DEF	Defrost in operation	None - no fault
⏻	Fridge in standby mode	Press ⏻ for 3 seconds
AH	High temperature alarm	Push any button to mute
AL	Low temperature alarm	Push any button to mute

My independent thermometer shows a different temperature to the front of the fridge

Your **Labcold** sparkfree fridge has a probe placed at the rear of the refrigerator and the temperature displayed is calculated by analysing and averaging the temperature data collected by the probe. A thermometer placed in a different part of the fridge may read a slightly different temperature especially if it is placed close to the door or at the top or bottom of the unit as these are the areas where the greatest temperature fluctuations occur.

My fridge won't start after a power cut

This is because the compressor may have stopped mid cycle. Either keep it plugged in and wait for it to start, or unplug the fridge and plug it back in to restart the compressor.

8 Useful Information

Your **Labcold** sparkfree refrigerator comes complete with a two years parts and labour warranty (UK customers only).

To register your warranty, please complete the enclosed warranty form or visit our web site at **www.labcold.com**, click on the 'Warranty Registration' tab and follow the instructions. Full warranty terms and conditions can also be viewed and downloaded from the **Labcold** website.

In the unlikely event that there is a problem with your refrigerator, you should contact your retailer in the first instance. If you bought your fridge directly from **Labcold** you should contact our service team on: **01256 705 580** or Email them at **service@labcold.com.**

When you register your warranty or want to report a performance issue you will need to have the following information to hand. Please fill this in as soon as you get your fridge so we can help you as quickly as possible in the event of a problem.

Model Number _____

Serial Number _____

Retailer _____

Date Purchased _____

LABCOLD™
medical & scientific refrigeration

the professional choice for medical and scientific refrigeration...

Labcold Ltd, Cherrywood, Chineham Park, Basingstoke, RG24 8WF, UK 01256 705 555

LABCOLD™

medical & scientific refrigeration

www.labcold.com