

Operating Instructions for Labcold Sparkfree Chest Freezers:

**RLCF 720
RLCF 1520
RLCF 2120**



Please read these instructions carefully and retain for future reference

**❗ Failure to operate your unit in accordance with these instructions may
invalidate your warranty**

www.labcold.com

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RLCF sparkfree chest freezer instruction manual: Version 3 02.2024

WARNINGS

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 freezer is climate class 4 and is designed to operate at +16°C to +25°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

The noise level in normal operation is lower than 70dB

Labcold Sparkfree freezers RLCF0720/1520/2120 are designed for storing volatile substances in a professional environment and to be used by adults only

Please note this freezer 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.

We recommend to avoid injury and damage to the freezer that at least two people are involved with the siting of the freezer and specialist moving equipment is used.



WARNING!

This freezer contain a flammable gas

MUST NOT be located in a room or area with a volume less than 10m³

This freezer 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 or UK, 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 freezer 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 freezer 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 freezer.



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.

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Original Instructions

Before Use

Thank you for purchasing a **Labcold** sparkfree chest freezer. Your freezer has been purpose built to store items between -18°C and -25°C in a sparkfree environment.

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

Setting Up

To prevent injury it is recommended that this freezer should be unpacked and set up by a minimum of two people.

When moving your freezer into position, do not tip the freezer more than 45°.

Make sure you position the freezer on a firm level surface, away from direct sunlight or other sources of heat in an environment where the ambient temperature is between 16°C and 32°C.

Check that the power cable is not damaged in any way before connecting to the mains. The use of an extension lead is not recommended.

Please ensure that there is at least a 50mm gap round the back and sides. The side with the ventilation grille should have a clearance of 100mm to allow for heat from the compressor motor to dissipate and there should be a 15mm gap underneath the appliance.

It is recommended to clean the freezer thoroughly with a mild soap solution and dry before using for the first time.

LEAVE THE FREEZER FOR 24 HOURS BEFORE TURNING ON

Product Overview

Models with 3 lights



Models with digital display



Turning On

Check your electricity supply meets the requirements on the electricity rating plate on the back of the freezer. If doesn't **do not** plug in and contact your supplier.

When the freezer is connected to mains power, the green light at the bottom right of the front of the freezer will illuminate.



On **all** models a green light illuminates when the freezer is connected to mains electricity



❗ If the freezer is at any time disconnected from the mains, wait at least 10 minutes before reconnecting as the starting device needs this time to cool down before a safe restart can be made.

We recommend that you leave it for at least six hours for the freezer to get down to the set point temperature of -20°C. If in doubt use a thermometer (not supplied) to check the temperature and/or the digital temperature display.

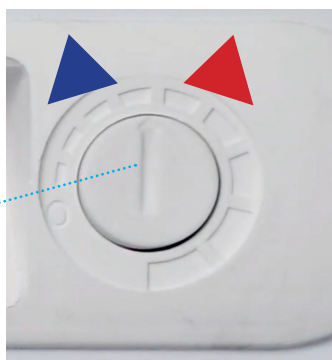
Changing the Set Point

Your **Labcold** RLCF sparkfree chest freezer has a factory set point of -20°C. We recommend that you **do not** change the set point but if you need to, using the edge of a coin put it in the slot on the dial at the end of the button panel. Turning the dial clockwise will lower the set point temperature, and turning the knob anti-clockwise will raise it.

Turn the dial clockwise to **decrease** the set point and make the freezer run at a colder temperature

Turn anti-clockwise to **increase** the set point and make the freezer run at a higher temperature

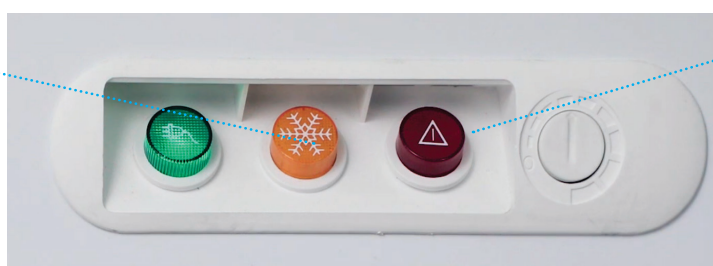
Put the edge of a coin in this slot to turn the dial



Models with visual alarm

The RLCF0720 has a visual high alarm. It is illuminated when the temperature inside the freezer is above -13°C. For example, it will be illuminated during first time start up until the temperature inside the freezer is below -13°C. The RLCF0720 also has a fast freeze button/light. When you press this the cooling system operates continuously and if you leave it running for 24 hours it will allow you to freeze items when they are in direct contact with the walls of the freezer. Always ensure that it is turned off after use as it uses more energy than normal operation.

Fast Freezer button lights up when depressed to indicate the freezer is in fast freezer mode



Alarm light illuminates if the temperature goes above -13°C. It automatically turns off when the temperature inside the freezer goes below -13°C

Lid Lock



Your freezer has a lock with 2 keys. To unlock the freezer turn the key in an anti clockwise direction and to lock turn the key clockwise. **Never force the key or the lock as this will damage the lock.**

Keys should not be left in the lock as they protrude from the freezer. They could cause a health and safety hazard or could be knocked which may damage the lock

Looking after your freezer

Defrosting

In the course of normal operation the freezer there may be a build up of ice. This may impair the performance of the freezer so it is recommended that you defrost the freezer regularly. The defrosting frequency is determined by the usage pattern and relative humidity.

Always disconnect the power and remove the contents of the freezer to an appropriately temperature controlled safe place before defrosting

ⓘ Please use the plastic scraper to remove any ice. DO NOT use an electrical heater or sharp objects to remove ice as this may damage the inside of the freezer

At the front of the freezer there is a drain water outlet which will help you to remove melt water.

Make sure the freezer is completely dry before reconnecting to a power source and turning on.

Cleaning

The freezer may be cleaned using a mild soapy solution. When used in a dirty environment it may be necessary to remove the compressor compartment grill on the right hand side and clean the compartment with a vacuum cleaner.

WARNING - Always disconnect from the mains before cleaning, or vacuuming the compressor compartment

Trouble Shooting

My Freezer isn't working?

- Check that the freezer is plugged in and the plug socket is turned on.
- Try the freezer in another plug socket

My freezer is running at too high a temperature

- Check that there is not a build up of ice on the inside of the freezer, if there is defrost the freezer.
- Check that the set point adjustment dial is not set too high.
- Check that the lid is not or has not been left open for a long time
- Check that the ambient temperature is not too high. A high ambient temperature over 25°C is not recommend.
- Check that it has not recently been stocked with warm material as this will raise the internal temperature.

The freezer is noisy

- A gurgling noise is usual because it is the sound of the refrigerant gases as they condense.
- If the freezer is not on a level surface or is touching a wall it may rock or vibrate during operation.

The freezer is running all the time

- Has it recently been filled with a lot of warm products? It will have to work longer to bring down the temperature.
- If you have a freezer with a fast freeze button make sure it has no been activated
- Is the ambient temperature high?

If you have checked the above and still have a problem contact our customer care team on 01256 705 580 or email the team at service@labcold.com

Specifications

Model	RLCF0720	RLCF1520	RLCF2120
Climate Type	4	4	4
Refrigerant	R600a	R600a	R600a
Storing Temperature	-18°C to -25°C	-18°C to -25°C	-18°C to -25°C
Voltage	220/240	220/240	220/240
Rating Frequency	50Hz	50Hz	50Hz
Weight (kg)	43	67	77
Energy Consumption	0.43 kWh/24hr	0.72 kWh/24hr	0.80 kWh/24hr
Operating temperature	-20°C	-20°C	-20°C
External dimensions (h x w x d)	865 x 725 x 655mm	865 x 1505 x 655mm	865 x 1705 x 655mm
Internal dimensions (h x w x d)	677 x 606 x 536mm	697 x 1386 x 536mm	697 x 1586 x 536mm

Useful Information

Your **Labcold** RLCF freezer comes complete with a one year UK parts and labour warranty. Comprehensive preventative maintenance contracts are also available at additional cost.*

To register your warranty, please complete the enclosed form or visit our website at www.labcold.com, click on the "Register your warranty" 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 freezer, you should contact your retailer in the first instance. If you bought your freezer directly from **Labcold** you should contact our service team on: **01256 705 580** or e-mail 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 freezer so we can assist you as quickly as possible should you have a problem or need to book a maintenance visit.

Model Number: _____

Serial Number: _____

Retailer: _____

Date Purchased: _____

* Maintenance visits and Labcold Preventative Maintenance Contracts available to UK customers only

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