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SPARKFREE REFRIGERATORS



The Labcold Sparkfree range is engineered to store flammable materials safely with no sources of ignition inside the chambers. Everything that could conceivably cause a spark, such as the controller, is located outside of the refrigerator chamber making these fridges and freezers an important part of laboratory safety.

Designed specifically for laboratories, these refrigerators and freezers are solidly built and come in a range of sizes, from a compact bench top to a large 400 litre refrigerator. The freezers come in both upright and chest configuration. All Labcold Sparkfree fridges and chest freezers are factory fitted with a door lock for optimum security.

If required, a temperature display with a temperature alarm and maximum and minimum temperature recording can be factory fitted to most upright models of both fridges and freezers, including both compartments of the Labcold Sparkfree Fridge/Freezer. There are other options that we may be able to add to the basic build so, if you require something other than the specifications shown, please get in contact and we'll be only too pleased to try to match your requirements!



Factory fitted temperature display



Door lock RLPR05042A and RLPR09043A

Model Number	RLPR02042	RLPR05042A	RLPR09043A	RLHD13043	RLSP1505
Capacity (litres)	60	160	285	390	400
Type	Upright Refrigerator				
Height (mm)	572	850	1435	1880	1860
Width (mm)	485	550	600	590	600
Depth (mm)	520	620	625	615	695
Temperature display	Optional	Optional	Optional	✓	✓
Alarm	Optional	Optional	Optional	Optional	✓
Fan	✗	✗	✗	✗	✓
Shelves	2	3	5	6	6
Drawers	✗	1	Door pockets	✗	✗
Temperature range	0°C to +10°C	0°C to +10°C	0°C to +10°C	0°C to +10°C	+2°C to +10°C
Door Lock	✓	✓	✓	✓	✓
Access Port	✗	✗	✗	✗	✓
Sparkfree	✓	✓	✓	✓	✓
Auto Defrost	✓	✓	✓	✓	✓

SPARKFREE FREEZERS

Model Number	RLVF02203	RLVF02203/LK	RLVF04202A	RLVF04202A/LK
Capacity (litres)	36	36	110	110
Type	Upright Freezer	Upright Freezer	Upright Freezer	Upright Freezer
Height (mm)	515	515	850	850
Width (mm)	440	440	545	545
Depth (mm)	500	500	565	565
Temperature display	Optional	Optional	Optional	Optional
Alarm	Optional	Optional	Optional	Optional
Shelves	1 wire mesh	1 wire mesh	3 fixed	3 fixed
Drawers	✗	✗	4 plastic	4 plastic
Door Lock	✗	✓	✗	✓
Temperature range	-18°C to -23°C	-18°C to -23°C	-18°C to -23°C	-18°C to -23°C
Sparkfree	✓	✓	✓	✓
Auto Defrost	✗	✗	✗	✗



Model Number	RLVF07203	RLVF07203/LK	RLVF14201
Capacity (litres)	180	180	375
Type	Upright Freezer	Upright Freezer	Upright Freezer
Height (mm)	1440	1440	1850
Width (mm)	544	544	595
Depth (mm)	610	610	640
Temperature display	Optional	Optional	✓
Alarm	✓ visual only	✓ visual only	✗
Shelves	5 fixed	5 fixed	6 fixed
Drawers	4+2 compartments	4+2 compartments	✗
Door Lock	✗	✓	✓
Temperature range	-18°C to -23°C	-18°C to -23°C	-18°C to -23°C
Sparkfree	✓	✓	✓
Auto Defrost	✗	✗	✗



Model Number	RLCF0720	RLCF1520	RLCF2120
Capacity (litres)	215	447	607
Type	Chest Freezer	Chest Freezer	Chest Freezer
Height (mm)	860	860	860
Width (mm)	725	1300	1700
Depth (mm)	730	730	730
Temperature display	✗	✗	✗
Alarm	✓ visual only	✓ visual only	✓ visual only
Shelves	✗	✗	✗
Basket	1 wire mesh	2 wire mesh	2 wire mesh
Door Lock	✓	✓	✓
Temperature range	-18°C to -25°C	-18°C to -25°C	-18°C to -25°C
Sparkfree	✓	✓	✓
Auto Defrost	✗	✗	✗

Did you know that 25% of chemical accidents are caused by improper storage?

Source: US Chemical Safety and Laboratory Investigation Board 2010.

LABCOLD SPARKFREE FRIDGE/FREEZER



Model Number	RLFF13246
Capacity (litres)	230/160
Type	Upright Fridge/Freezer
Height (mm)	1965
Width (mm)	595(625 with lock)
Depth (mm)	630
Fridge temp range	+2°C to +10°C
Freezer temp range	-18°C to -23°C
Temperature display	Optional
Alarm	Optional
Fan	✗
Shelves	4
Drawers	4
Door Lock	RLFF13246/LK model
Sparkfree	✓
Auto Defrost	Fridge only
Compressors	2
Separate refrigeration systems for fridge and freezer	✓

i Model shown is RLFF13246/LK

BASIC REFRIGERATORS AND FREEZERS

Labcold basic fridges and freezers are manufactured to the high standard you would expect from Labcold, but are not Sparkfree and do not have the accessory options available on Sparkfree, standard or Advanced models.

Both the refrigerator and the freezer are available as under bench or free standing units so there is a size to suit most laboratories. With a robust enamelled exterior and easy clean interiors these basic fridges and freezers are laboratory standard units at a budget price providing fantastic value for money!

Model Number	RLPL04043	RLFR1804	RLVL03203	RLVF1825
Capacity (litres)	105	505	90	505
Type	Upright Refrigerator	Upright Refrigerator	Upright Freezer	Upright Freezer
Height (mm)	845	1710	845	1710
Width (mm)	494	765	494	765
Depth (mm)	494	725	494	725
Temperature display	X	✓	X	✓
Alarm	X	X	X	X
Fan	X	✓	X	X
Shelves	3	4	2 fixed	6 fixed
Drawers	1	X	3	X
Door Lock	X	✓	X	✓
Sparkfree	X	X	X	X
Auto Defrost	✓	✓	X	X
Temperature range	0°C to +10°C	+2°C to +10°C	-18°C to -23°C	-18°C to -23°C



ADVANCED REFRIGERATORS AND FREEZERS



Labcold Advanced fridges and freezers are completely constructed from powder coated mild steel with a stainless steel interior so are built to last. Insulated with Envirofoam® and fitted with micro processor controllers these fridges provide accurate temperature control with low GWP.

All Labcold Advanced refrigerators have optimised air circulation for superior temperature control and feature a temperature display, high and low temperature alarms and door locks fitted as standard. For ease of positioning the larger cabinets have heavy duty wheels with a brake.

The Advanced range of refrigerators can be fitted with access ports and remote alarm contacts if required. Inventory systems are also available so why not ask for a quote?

Model Number	RPR05043	RPG05043	RAFR21042	RAFG21042	RAFR44042	RAFG44042
Capacity (litres)	150	150	571	571	1245	1245
Type	Upright Refrigerator					
Door type	Solid	Glass	Solid	Glass	2 Solid	2 Glass
Height (mm)	830	830	1980	1980	1980	1980
Width (mm)	600	600	720	720	1440	1440
Depth (mm)	620	620	820	820	820	820
Temperature display	✓	✓	✓	✓	✓	✓
Alarm	✓	✓	✓	✓	✓	✓
Fan	✓	✓	✓	✓	✓	✓
Shelves	2	2	4	4	8	8
Door Lock	✓	✓	✓	✓	✓	✓
Temperature range	+2°C to +8°C	+2°C to +8°C	+2°C to +10°C	+2°C to +10°C	+2°C to +10°C	+2°C to +10°C
Auto Defrost	✓	✓	✓	✓	✓	✓

FAN CIRCULATED REFRIGERATORS



Labcold fan circulated refrigerators are designed for temperature uniformity throughout the chamber of the refrigerator.

Where not integral, all Labcold fan circulated fridges can be factory fitted with high/ low temperature alarms and digital temperature displays.

Available in a range of sizes, all models feature a door lock for extra security and adjustable shelves so you can make the most of the space available.

The RLHF13043 can be fitted with an access port at time of manufacture while the RLSP1505 comes complete with an access port for additional monitoring and easy calibration.

Model Number	RLPF05042A	RLPF09043A	RLHF13043	RLSP1505
Capacity (litres)	160	285	390	400
Type	Upright Refrigerator	Upright Refrigerator	Upright Refrigerator	Upright Refrigerator
Height (mm)	850	1435	1880	1860
Width (mm)	550	600	580	600
Depth (mm)	600	625	615	680
Temperature display	Optional	Optional	✓	✓
Alarm	Optional	Optional	Optional	✓
Fan	✓	✓	✓	✓
Shelves	3	5	6	6
Drawers	1	Door Pockets	X	X
Sparkfree	X	X	X	✓
Door Lock	✓	✓	✓	✓
Auto Defrost	✓	✓	✓	✓
Temperature range	+2°C to +10°C	+2°C to +10°C	+2°C to +10°C	+2°C to +10°C

Labcold Advanced freezers are built to the same high specification as Labcold Advanced refrigerators. Designed for any situation where accurate temperature control is vital and there is a need to store a large quantity of product. Like the fridges, the Advanced freezers can be fitted with access ports and remote alarm contacts. Sample inventory systems are also available.



Model Number	RAFR05202	RAFR21262	RAFR44262
Capacity (litres)	150	571	1245
Type	Upright Freezer	Upright Freezer	Upright Freezer
Door type	Solid	Solid	2 Solid
Height (mm)	830	1980	1980
Width (mm)	600	720	1440
Depth (mm)	620	820	820
Temperature display	✓	✓	✓
Alarm	✓	✓	✓
Fan	X	✓	✓
Shelves	2 fixed	4	8
Door Lock	✓	✓	✓
Temperature range	-18°C to -25°C	-18°C to -25°C	-18°C to -25°C
Auto Defrost	X	✓	✓

Labcold is committed to environmental responsibility and endeavours to use only materials that are ozone friendly with low Global Warming properties. That's why all Labcold products are CFC, HCFC and Ammonia free

LABCOLD SUPERFREEZERS and ULT FREEZERS



Model Number	ULTF80	ULTF320	ULTF420
Capacity (litres)	74	276	383
Type	-83°C Chest Freezer	-83°C Chest Freezer	-83°C Chest Freezer
Height (mm)	875	885	885
Width (mm)	550	1260	1560
Depth (mm)	645	695	695
Temperature display	✓	✓	✓
Alarm	✓	✓	✓
Alarm Contacts	✓	✓	✓
Access Ports	✗	✗	✗
Shelves	✗	✗	✗
Door Lock	✓	✓	✓
Temperature range	-45°C to -83°C	-45°C to -83°C	-45°C to -83°C
Auto Defrost	✗	✗	✗

Model Number	RLBF1740	RLBF1740/LK	RLHE0845	RLHE1145	RLHE1345
Capacity (litres)	50	50	230	300	360
Type	Bench top Freezer	Bench top Freezer	Chest Freezer	Chest Freezer	Chest Freezer
Height (mm)	580	580	860	860	860
Width (mm)	550	580	1050	1300	1500
Depth (mm)	620	620	730	730	730
Temperature display	✓	✓	✓	✓	✓
Alarm	✓	✓	✓	✓	✓
Shelves	1	1	✗	✗	✗
Baskets	✗	✗	1	2	2
Door Lock	✗	✓	✓	✓	✓
Sparkfree	✓	✓	✓	✓	✓
Temperature range	-30°C to -40°C	-30°C to -40°C	-20°C to -45°C	-20°C to -45°C	-20°C to -45°C
Auto Defrost	✗	✗	✗	✗	✗

Labcold Superfreezers and ULTs feature microprocessor controls for accurate temperature control and come fitted with audio visual alarms for extra peace of mind.

Sample Inventory Systems can be custom made to fit these freezers. Designed to provide easy accessibility and reference, these bespoke racking systems are configured to ensure that temperature distribution is not compromised. Why not ask for a quote?

SKADI -40°C and -86°C ULT FREEZERS



Extras available:
Sample Inventory Systems
CO₂ back up systems
Chart Recorders
Stainless steel interiors
Data loggers and alarms
Please ask for details

5 Year Warranty!

Skadi Green Line Ultra Low Temperature Freezers feature Whisperfreeze® technology for quiet operation. 100% natural refrigerant and low energy usage make these freezers ultra green.

Model Number	DF9007	DF9010	DF9014	DF9017	DF9020
Capacity (litres)	191	295	392	492	593
Type	Chest Freezer				
Height (mm)	1030	1030	1030	1030	1030
Width (mm)	1280	1590	1880	2180	2480
Depth (mm)	790	790	790	790	790
Temperature display	✓	✓	✓	✓	✓
Alarm	✓	✓	✓	✓	✓
Alarm Contacts	✓	✓	✓	✓	✓
Access Ports	2	2	2	2	2
Sublids	2	3	4	5	6
Door Lock requires padlock	✓	✓	✓	✓	✓
Temperature range	-50°C to -86°C				

Model Number	DF3510	DF3514L	DF3517L	DF3520L	DF3524L
Capacity (litres)	276	369	484	605	730
Type	Upright Freezer				
Height (mm)	1740	1979	1979	1979	1979
Width (mm)	920	920	920	1070	1070
Depth (mm)	900	900	1050	1050	1180
Temperature display	✓	✓	✓	✓	✓
Alarm	✓	✓	✓	✓	✓
Alarm Contacts	✓	✓	✓	✓	✓
Shelves/doors	2/3	3/4	3/4	3/4	3/4
Access Ports	3	3	3	3	3
Door Lock	✓	✓	✓	✓	✓
Temperature range	-35°C to -45°C				

Model Number	DF8510	DF8514L	DF8517L	DF8520L	DF8524L
Capacity (litres)	276	369	484	605	730
Type	Upright Freezer				
Height (mm)	1740	1979	1979	1979	1979
Width (mm)	920	920	920	1070	1070
Depth (mm)	900	900	1050	1050	1180
Temperature display	✓	✓	✓	✓	✓
Alarm	✓	✓	✓	✓	✓
Alarm Contacts	✓	✓	✓	✓	✓
Shelves/doors	2/3	3/4	3/4	3/4	3/4
Access Ports	3	3	3	3	3
Door Lock	✓	✓	✓	✓	✓
Temperature range	-50°C to -86°C				

COOLED INCUBATORS

Labcold cooled incubators are ideal for microbiology or any application where precise and consistent temperatures at or below room temperature are demanded.

Available in a range of sizes from a small benchtop model through to a large 600 litre unit constructed from mild steel with stainless steel interior, these new cooled incubators from Labcold all feature fan air circulation for even temperature distribution and microprocessor controlled temperature regulation for improved accuracy and stability.



Model Number	RLCG0100	RLSD01502	RLCG01502	RLSD0300	RLCG0300	RLSD0600	RLCG0600
Capacity (litres)	88	150	150	300	300	600	600
Type	Glass Door Incubator	Solid Door Incubator	Glass Door Incubator	Solid Door Incubator	Glass Door Incubator	Solid Door Incubator	Glass Door Incubator
Height (mm)	810	820	820	1487	1487	1980	1980
Width (mm)	480	600	600	600	600	720	720
Depth (mm)	530	600	600	650	650	820	820
Temperature display	✓	✓	✓	✓	✓	✓	✓
Alarm	✗	✗	✗	✗	✗	✗	✗
Shelves	1	2	2	3	3	4	4
Door Lock	✗	✓	✓	✓	✓	✓	✓
Inner doors	✗	✗	✗	✗	✗	✓	✓
Auto Defrost	✗	✗	✗	✗	✗	✗	✗
Temperature range	+5°C to +40°C						

LABCOLD ITV ICE MAKERS

Model Number	LITV-GPD20	LITV-DP35H	LITV-DP80	LITV-DP150
Production kg/day	20	35	81	150
Type	Cube Ice Maker	Cube Ice Maker	Cube Ice Maker	Cube Ice Maker
Height (mm)	730	885	1035	1140
Width (mm)	405	465	715	860
Depth (mm)	515	595	595	700
Bin Capacity	90 kg/360 cubes	20 kg/700 cubes	35 kg/976 cubes	75 kg/2150 cubes
Stainless steel exterior	✓	✓	✓	✓
Net Weight (kg)	36	45	69	35

Labcold ITV ice makers come in two versions: One that produces cylindrical ice of 30 to 40g depending on model; and crushed ice models. Crushed ice is ideal for putting in packs and modelling to fit any item or object which requires keeping cool. Both varieties produce hygienic, clear, pure ice ideal for medical and laboratory applications

All models are robustly constructed from stainless steel with well insulated plastic collection bins. Featuring a lime scale reducing spray system and a simple and efficient paddle mechanism these ice makers are designed to require very little maintenance.

Labcold ITV ice makers require both a water and electricity supply and a floor level drain. For extra peace of mind, Labcold can take care of installing and commissioning your ice maker if required.



Model Number	LITV-IQ45	LITV-IQ85C	LITV-IQ135	LITV-IQ200
Production kg/day	40	85	135	220
Type	Flake Ice Maker	Flake Ice Maker	Flake Ice Maker	Flake Ice Maker
Height (mm)	830	870	1435	575
Width (mm)	405	465	515	515
Depth (mm)	515	595	550	550
Bin Capacity	14	20	60	Various*
Stainless steel exterior	✓	✓	✓	✓
Net Weight (kg)	36	58	75	52

* Various sized bins available from 80kg to 200kg. Please specify at time of ordering

TEMPERATURE MONITORING



Temperature display with min/max alarm

Labcold produce a number of temperature monitoring solutions to assist with compliance, record keeping and auditing: from simple data loggers to multi-channel units capable of monitoring multiple pieces of equipment. All this information can be easily transferred and printed from a PC*.

For recording temperatures on the move, **Labcold** produce a versatile transport logger. The logger can be pre-programmed with details of the load and frequency of logging. All this information can then be downloaded to a Windows® enabled device so you can be certain your samples or biologicals have not been out of temperature range. For extra convenience the logger also has a visual alarm so you can be aware of any problem instantly without the need for a computer or smart phone.



Thermomax Monitor and Alarm

If you require an extra thermometer or a device to display, alarm and record maximum and minimum temperature, **Labcold** produce a battery powered digital unit. Complete with a 3 metre detachable cable, this can also be factory fitted to **Labcold** fridges and freezers supplied without alarms using a steel bracket. 7 day chart recorders are also available. Suitable for temperatures from -50°C to +50°C these chart recorder can be wall mounted and the temperature probe can be installed at time of manufacture.

Labcold also produce an auto dial unit capable of calling up to four numbers with a pre-recorded message (suitable for analogue lines only).

* Please check operating system for compatibility at time of ordering.



Autodialer



USB logger



Repeat Alarm



Data loggers for transit use

MAINTENANCE

At **Labcold** we manufacture to the highest quality and all our products are designed and engineered to withstand the rigours of professional use. However, like all equipment, the life performance of your appliance can be enhanced with regular preventative maintenance.

All **Labcold** preventative maintenance contracts feature an annual maintenance visit from trained **Labcold** engineers, free calibration and a discount on fully traceable Original Equipment Manufacturers spare parts.

There are three levels of contract to choose from, each designed to help extend the life of your fridge or freezer, increase efficacy, reduce costly repairs, prevent unnecessary downtime and defer the costly capital outlay for new equipment.

STANDARD

Annual maintenance to calibrate and prevent minor problems becoming big ones

PREMIUM

Annual maintenance visit with **two free** fault visits if required

PREMIUM+

Ultimate in service cover with **two** maintenance visits and up to **six free** fault visits.



Contract	Standard	Premium	Premium+
Maintenance visit(s) from Labcold Engineers	1	1	2
5% off spare parts	✓	✗	✗
10% off spare parts	✗	✓	✓
Full GB coverage	✓	✓	✓
Free calibration	✓	✓	✓
2 Free Fault Visits	✗	✓	✗
6 Free Fault Visits	✗	✗	✓
No Claim Discount on renewal	✗	✓	✓



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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

