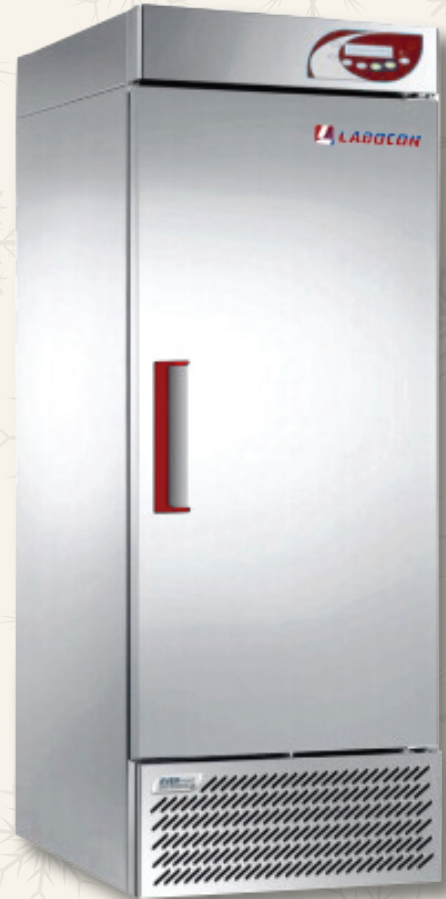


-40°C FREEZER



-40°C FREEZER UPRIGHT LUF-40-100 SERIES

Labocon -40°C Freezer Upright LUF-40-100 Series have been designed for storing materials that demand constant temperature. A microprocessor system ensures safe product storage as well as accurate temperature control and regulation.

Features

- ▶ Exterior made of painted steel board and interior of ABS liner
- ▶ Door with safety lock and rotatable sure-grip door handle
- ▶ LCD display
- ▶ Microprocessor temperature controller
- ▶ Refrigerant: CFC free R507
- ▶ Danfoss compressor and EBM fan motor
- ▶ 4 units Casters for easy handling
- ▶ 4-7 units drawers made of plastic inside
- ▶ Safety functions: audio/ visual alarm function, system failure alarm
- ▶ Optional: Chart Order

Application

Labocon -40°C Freezer Upright LUF-40-100 Series is suitable for storing laboratory materials such as vaccines, biological samples, enzymes, protein samples, etc.

Specification

Model	LUF-40-101	LUF-40-102	LUF-40-103	LUF-40-104	LUF-40-105
Capacity (L)	90 L	206 L	270 L	362 L	525 L
Temp. range	-10°C to -40°C				
Overall Dimension (W x D x H)	623x544x842 mm	717x656x1547 mm	570x595x1760 mm	930x731x1627 mm	880x855x1912 mm
Inner Dimension	438x388x539 mm	506x451x1007 mm	440x400x1490 mm	658x426x1290 mm	684x629x1184 mm
Weight (Net/ Gross)	45/50 kg	-	65/70 kg	102/110 kg	-
Power supply	220V/50Hz				
Catalog no.	9428133343	9428134105	9428135343	9428136343	9428137105



LUF - 40 - 102

-40°C FREEZER UPRIGHT LUF-40-200 SERIES

Labocon -40°C Freezer Upright LUF-40-200 Series have been designed for storing materials that demand constant temperature. A microprocessor system ensures safe product storage as well as accurate temperature control and regulation.

Features

- ▶ Sheet steel epoxy coated white colour (rust-proof material) outside and atoxic plastic material inside
- ▶ Internal corners are rounded to make easy any cleaning operation
- ▶ High density (40 Kg/m³) polyurethane insulation
- ▶ Insulation thickness: 50 mm
- ▶ Hinged door made of perimetrical aluminum frame, white colour and three layers of heated tempered insulating glass, with vacuum among the glass layers and heating film. It is provided with removable magnetic rubber gasket and flush-fitting type door handle. The door is also fitted with a spring loaded automatic closing device for openings inferior then 90°
- ▶ 3 easily adjustable open wire shelves made of sheet steel with a strong plastic coating
- ▶ Internal lighting : 1 bulb mounted in the bottom part of the control panel with automatic activation at every door opening through a special switch
- ▶ Control panel: microprocessor operating with soft-touchpads and 3.5" colour display LCD display. The control panel is battery operating in order to grant the functioning of the alarms even in case of power failure. The main functions of the control panel are :
 - ▶ Digital temperature adjusting and displaying with an accuracy of 0.5°C
 - ▶ Keyboard password protected with automatic locking
 - ▶ Back-up battery with automatic recharging
 - ▶ Icon based menu
 - ▶ Real-time graphical temperature chart
- ▶ Events memory with the possibility of checking from the display, defrostings, door openings, relays status, etc.
- ▶ Internal ventilation setting

- ▶ Cooling unit mounted at the bottom with a condensing unit compounded by a hermetic compressor and a finned condenser, air cooled through a fan
- ▶ Refrigeration: forced-air circulation
- ▶ Refrigerant : R404a CFC-free
- ▶ Defrosting: completely automatic, thermostat controlled. The condensate water is automatically channeled into an heated tray, located in the motor compartment, for the automatic evaporation of the condensate water
- ▶ Plug : Schuko type
- ▶ Breakers : 2 glass cartridge fuses with a rating of 10A, at protection of the appliance
- ▶ Noise level (dB(A)) : ≤ 60
- ▶ Safety functions: Visual and acoustic alarm signaling (with automatic resetting) for high and low temperature, door ajar, delayed of 3 minutes to allow the standard operations , power failure, battery discharged, condenser dirty, anti-freezing evaporator , sensors failure. NO/NC contact to remote the alarm signals
- ▶ Optional:
 - ▶ Extra wire shelf
 - ▶ Stainless steel drawer
 - ▶ Plastic partitions for drawers
 - ▶ Front top for drawers
 - ▶ Kit of castors
 - ▶ Safety door lock with key
 - ▶ Temperature chart recorder
 - ▶ Electronic temperature printer
 - ▶ Data-logging function through USB port with direct download of Excel file)
 - ▶ Ballasted sensor for simulation of product temperature alarm
 - ▶ Internal electrical socket
 - ▶ Different voltage
 - ▶ GSM/GPRS telephone dialer



Application

Labocon -40°C Freezer Upright LUF-40-200 Series suitable for storing laboratory materials such as vaccines, biological samples, enzymes, protein samples, etc.

Specification

Model	LUF-40-201	LUF-40-202	LUF-40-203	LUF-40-204	LUF-40-205
Capacity (L)	270 L	370 L	440 L	530 L	625 L
Temp. range	adjustable between -25°C / -40°C				
Shelf loading capability (Kg)	30				
Shelf dimensions (W x D) mm	460 x 470				
Temperature Sensor	Pt1000				
Interface	RS 485				
Overall Dimension (W x D x H) (mm)	700x830x1850	700x800x2180	700x800x2180	850x980x2260	850x980x2260
Internal Dimension	600x760x1670	600x640x1920	600x740x1920	750x740x2100	750x860x2100
Weight (Net/ Gross)(kg)	95/115 kg	110/130 kg	125/145 kg	175/195 kg	180/200 kg
Power supply	220V/50Hz				
Catalog no.	9428138181	9428139181	9428140181	9428141181	9428142181

-40°C FREEZER CHEST LCF-40-100 SERIES

Labocon brings to you -40°C Freezer Chest type LCF-40-100 Series with broad range of capacities, accurate temperature control, best quality refrigeration system and low maintenance. They are equipped with reliable temperature control, quiet operation and ease of use.

Features

- ▶ Interior is made up of high quality aluminium liner
- ▶ Door with safety lock
- ▶ Ultra-microcellular Freon-free foaming technology facilitates outstanding temperature preservation
- ▶ Microprocessor-based temperature controller
- ▶ Digital temperature display
- ▶ CFC-free refrigerant
- ▶ Optimized evaporation and condensation system
- ▶ High quality compressor and EBM fan electromotor: low energy consumption, low noise level and low heat dissipation
- ▶ Drainage hole at the bottom of the freezer
- ▶ 4 units Caster for easy handling
- ▶ Safety functions: High and low temperature alarm, sensor failure alarm, both either by buzzer or digital flash alarming

Application

Labocon -40°C Freezer Chest type LCF-40-100 Series are suitable for optimum & controlled temperature aid in storage needs of the pharmacy, medical, industry, biotech & clinical applications.

Specification

Model	LCF-40-101	LCF-40-102	LCF-40-103	LCF-40-104	LCF-40-105
Capacity (L)	102 L	148 L	233 L	300 L	390 L
Temp. range	-10°C to -40°C				
Overall Dimension (W x D x H) (mm)	594x643x1036	778x643x1036	954x710x838	1154x710x838	1412x710x838
Power supply	220V/50Hz				
Catalog no.	9428143105	9428144105	9428145105	9428146105	9428147105



LCF -40°C - 101

-40°C FREEZER CHEST LCF-40-200 SERIES

Labocon brings to you -40°C Freezer Chest type LCF-40-200 Series with broad range of capacities, accurate temperature control, best quality refrigeration system and low maintenance. They are equipped with reliable temperature control, quiet operation and ease of use.

Features

- ▶ Stainless steel interior and painted steel board exterior
- ▶ Door with safety lock
- ▶ Insulation thickness: 90 mm
- ▶ Polycarbonate insulated inner doors
- ▶ Microprocessor temperature control
- ▶ Digital temperature display
- ▶ Refrigerant: CFC free R507
- ▶ High quality compressor and EBM fan motor: low energy consumption, low noise level and low heat dissipation
- ▶ Safety functions: Audible/visual alarm for high or low temperature alarm, system failure alarm
- ▶ 4 units Caster for easy handling
- ▶ Supplied with Steel Wire Basket (1 unit) to store samples
- ▶ Optional : Basket

Application

Labocon -40°C Freezer Chest type LCF-40-200 Series are suitable for optimum & controlled temperature aid in storage needs of the pharmacy, medical, industry, biotech & clinical applications.

Specification

Model	LCF-40-201	LCF-40-202	LCF-40-203
Capacity (L)	110 L	251 L	351 L
Temp. range	-10°C to -40°C		
Overall Dimension (W x D x H) (mm)	583x619x870	730x1204x968	730x1554x968
Power	260 W	265 W	300 W
Power supply	220V/50Hz		
Weight (Net/Gross)	34/38 kg	86/90 kg	102/110 kg
Catalog no.	9428143343	9428144343	9428145343

-40°C FREEZER CHEST LCF-40-300 SERIES

Labocon brings to you -40°C Freezer Chest type LCF-40-300 Series with broad range of capacities, accurate temperature control, best quality refrigeration system and low maintenance. They are equipped with reliable temperature control, quiet operation and ease of use.

Features

- ▶ Sheet steel epoxy coated white colour (rust-proof material) outside and atoxic plastic material inside
- ▶ Internal corners are rounded to make easy any cleaning operation
- ▶ High density (40 Kg/m³) polyurethane insulation
- ▶ Insulation thickness: 100 mm
- ▶ Hinged, fully insulated lid made of sheet steel white epoxy coated outside and atoxic plastic material inside. The lid is fitted up with counterbalanced hinges, perimetric magnetic rubber gasket and security key locking
- ▶ Control panel: microprocessor operating with soft-touchpads and 3.5" colour display LCD display. The control panel is battery operating in order to grant the functioning of the alarms even in case of power failure. The main functions of the control panel are :
 - ▶ Digital temperature adjusting and displaying with an accuracy of 0.5°C
 - ▶ Keyboard password protected with automatic locking
 - ▶ Back-up battery with automatic recharging
 - ▶ Icon based menu
 - ▶ Real-time graphical temperature chart
 - ▶ Data-logging function through USB port with direct download of Excel file)
 - ▶ GSM/GPRS telephone dialer
- ▶ Events memory with the possibility of checking from the display, defrostings, door openings, relays status, etc.
- ▶ Cooling unit mounted at the bottom with a condensing unit compounded by a hermetic compressor and a finned air cooled condenser
- ▶ Refrigeration: static with evaporating pipes
- ▶ Refrigerant : CFC- and HCFC-free
- ▶ Defrosting : manual, with discharging hole for draining facilities for the derivate water
- ▶ Plug : Schuko type

- ▶ Noise level (dB(A)) : ≤ 52
- ▶ Safety functions: Visual and acoustic alarm signaling (with automatic resetting) for high and low temperature, door ajar, delayed of 3 minutes to allow the standard operations , power failure, battery discharged, condenser dirty, anti-freezing evaporator , sensors failure. NO/NC contact to remote the alarm signals
- ▶ Optional:
 - ▶ Wire basket
 - ▶ Kit of rollers
 - ▶ Temperature chart recorder
 - ▶ Electronic temperature printer
 - ▶ Data logger function with USB port
 - ▶ Ballasted sensor for simulation of product temperature alarm
 - ▶ Different voltage



Application

Labocon -40°C Freezer Chest type LCF-40-300 Series are suitable for optimum & controlled temperature aid in storage needs of the pharmacy, medical, industry, biotech & clinical applications.

Specification

Model	LCF-40-301	LCF-40-302	LCF-40-303	LCF-40-304	LCF-40-305
Capacity (L)	120 L	220 L	320 L	390 L	420 L
Temp. range	adjustable between -20°C and -45°C				
Temperature Sensor	Pt1000				
Interface	RS 485				
Overall Dimension (W x D x H) (mm)	1110x850x1120	1440x850x1120	1690x850x1120	1890x850x1120	2090x850x1120
Power supply	220V/50Hz				
Weight (Net/Gross)	70/80 kg	90/110 kg	110/130 kg	120/140 kg	130/150 kg
Catalog no.	9428143105	9428144105	9428145105	9428146105	9428147105



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