



SPHERA GROUP

# BASIC LABORATORY CHEST FREEZER

# BLCF 440



- **Structure** : completely in sheet steel white epoxy coated (rust-proof material) outside, and embossed aluminium inside. All the internal corners are rounded to make easy any cleaning operation
- **Insulation** : high density (40 Kg/m<sup>3</sup>) foamed-in-place polyurethane, with a thickness of 100 mm. CFC-free
- **Feet** : Nr 4, fix, made in sheet steel white epoxy coated, to grant maximum stability and durability
- **Lid** : Nr 1 hinged, fully insulated, realized in sheet steel white epoxy coated outside and atoxic plastic material inside. The lid is fitted up with counterbalanced hinges (to avoid unexpected lid closing), perimetric magnetic rubber gasket (granting a perfect seal) and security key locking
- **Internal equipment** : Nr 6 open wire baskets made in sheet steel white enamelled. The basket is

supported by a special profile inside the freezer

- **Internal lighting** : Nr 1 bulb, mounted in the internal side of the lid, with automatic activation at every lid opening through a special switch
- **Control panel** : incorporated in the handle, with soft-touchpads controls. The control panel includes:
  - **LED display and settings buttons** : Showing the actual internal temperature and through the setting buttons is possible to select the desired temperature within the freezer working range
  - **Alarm functions** : for both high temperature and lid open. The alarm signalling is visual (with a red colour LED) and acoustic (through a buzzer) for high temperature while acoustic only for lid open. The intervention limits are factory set and not adjustable. The alarm works only in case of presence of electricity
  - **Superfreezing button** : increasing the freezing capabilities in case of new material to be frozen
- **Cooling unit** : compound by a hermetically sealed compressor (placed in the bottom part of the cabinet), a condenser (located in the back side of the cabinet) and foamed into the insulation of all storage chamber walls, there are the evaporating pipes, in order to grant the maximum temperature stability and uniformity. All the used components are industrial grade granting the maximum reliability
- **Defrosting** : manual, with discharging hole for draining facilities for the derivate water
- **Refrigerant** : CFC- and HCFC-free
- **Refrigeration** : static, with evaporating pipes throughout all the chamber in order to grant maximum temperature stability and uniformity
- **Temperature range** : infinitely adjustable between -16°C and -25°C, granted at ambient temperature up +43°C
- **Voltage (V/ph/Hz)** : 220-230/1/50
- **Plug** : Schuko type
- **Gross capacity (litres)** : 460
- **Net capacity (litres)** : 440
- **Dimensions (W x D x H cm)** : 165 x 81 x 92 (handle included in the depth)
- **Net weight (Kg)** : 120
- **Packed dimensions (W x D x H cm)** : 177 x 95 x 115 (1,93 m<sup>3</sup>)
- **Gross weight (Kg)** : 135

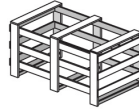
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## ACCESSORIES AVAILABLE



Temperature chart recorder



Wooden crate packing



Vers. March 15

\* The declared performances are referred at +43°C ambient temperature, relative humidity of 70% and without any internal thermal mass (empty cabinet).

\* Should it be necessary or useful without undermining any model essential features, technical and stylistic characteristics are subject to be changed without manufacturer's previous notice.

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