

# Laboratory Freezer Glass

# LFG 530



## TECHNICAL CHARACTERISTICS:

- **Structure** : upright type, realized in sheet steel epoxy coated white colour both in- and outside or in stainless steel 18/10 AISI 304 both in- and outside. All the internal corners are rounded to make easy any cleaning operations and the internal bottom is tray type to contain spills
- **Insulation** : high density (40 Kg/m<sup>3</sup>) foamed-in-place polyurethane, with a thickness of 60 mm. CFC-free
- **Feet** : Nr 4 made in stainless steel 18/10 AISI 304, adjustable in height for levelling
- **Glass door** : Nr. 1, hinged, made a perimetrical aluminium frame and three layers of heated tempered insulating glass, with vacuum among the glass layers in order to increase the insulating rate and heating film for the full door height to prevent condensation and frost. The door is provided with a removable magnetic rubber gasket in order to grant a perfect hermetic closing. The handle is realized in aluminium and it is fixed at middle height in the door. The door is also fitted with a spring loaded automatic closing device for openings inferior then 90° and special door switch that stops the internal ventilation at the door opening (to limit the air cold loss)
- **Internal equipment** : Nr 3, storage open wire shelves realized sheet steel with a strong plastic coating (rust-proof material). The shelves are mounted on special anti-tilt stainless steel slides that allows the shelf extraction and they can be easily removed and adjusted in height without the use of any tool. The special internal racking-system allows a great flexibility of the internal fitting with the possibility of interchange and combine both shelves and drawers (drawers optionally available)
  - Shelf dimensions (W x D cm) : 53 x 55
  - Shelf loading capability (Kg) : 35 (with uniformly stored material)
- **Internal lighting** : Nr 1 neon tube, mounted at the right side wall, with activation through a special switch located on the control panel
- **Control panel** : located in the top part of the structure (above the door) is compounded by the main switch, lighting switch and digital electronic thermostat with incorporated alarm
  - Main switch : appliance's ON/OFF switch, adjustable in 2 positions, it became illuminated when on the position ON
  - Lighting switch : to light the internal illumination of the cabinet, adjustable in 2 positions (ON/OFF), it became illuminated when on the position ON
  - Digital electronic thermostat with incorporated alarm : microprocessor operating, with 4 switches, allowing the control of all the freezer functions (maintaining of the setted temperature, defrostings, compressor and fans functioning). The internal temperature is displayed with a LED display, with red colour, bright indication and an accuracy of 0,1°C. Into its functions, the thermostat includes even an alarm, both acoustic (with a buzzer) and visual (with indication LED dots) for temperature deviations, both over or below than the programmed one, with limits that remains adjustable according to the user needs. The acoustic alarm can be even muted through a special switch
- **Cooling unit** : top mounted, with the condensing unit compounded by Nr 1 hermetic compressors and Nr 1 finned condenser, air cooled through a fan. Also, in the ceiling of the storage chamber, is mounted the finned evaporator with copper pipes, that is housed into a plastic cover that incorporate the fan. All the mounted components are industrial grade to grant the maximum reliability
- **Refrigerant** : R404a CFC-free
- **Refrigeration** : forced-air, through a fan, granting the maximum temperature uniformity and stability inside of the cabinet
- **Defrosting** : completely automatic, thermostat controlled. The condensate water is automatically channelled into a tray, with manual emptying, located under the cabinet
- **Temperature range** : infinitely adjustable between -5°C / -20°C
- **Voltage (V/ph/Hz)** : 220-230/1/50
- **Plug** : Schuko type
- **Breakers** : Nr 2 glass cartridge fuses with a rating of 16A, at protection of the appliance
- **Noise level (dB(A))** : ≤ 52
- **Gross capacity (litres)** : 600
- **Net capacity (litres)** : 530
- **Dimensions (W x D x H cm)** : 72 x 70 x 200
- **Net weight (Kg)** : 140
- **Packed dimensions (W x D x H cm)** : 80 x 78 x 212 (1,33 m<sup>3</sup>)

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- **Gross weight (Kg) : 170**

## ACCESSORIES AVAILABLE:

- |                              |  |                              |
|------------------------------|--|------------------------------|
| – Extra wire shelf           | – Extra stainless steel wire shelf                           | – Open wire basket           |
| – Stainless steel drawers    | – Plastic partition for drawer                               | – Front top for drawer       |
| – Kit of castors             | – Tray for the automatic evaporation of the condensate water | – Safety door lock with key  |
| – Temperature chart recorder | – Electronic temperature printer                             | – Internal electrical socket |
| – Cable port with cover      | – Different voltage  | – Wooden crate packing       |



\* The declared performances are referred at +28°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.