



SPHERA GROUP

ULTRA-LOW CHEST FREEZER

ULCF 400 PRO2



- **Structure** : chest type, realized in sheet steel painted white colour (rust- and corrosion-proof) outside and stainless steel 18/10 AISI 304 inside
- **Insulation** : injected polyurethane a high density, with a thickness of 130 mm. CFC-free
- **Casters** : Nr 6 made in rubber and swivelling in order to make easy any moving required. The castors mounted in the front side are fitted up with brakes with foot lever control to block them once the freezer has been positioned
- **Lid** : Nr. 1, hinged, fully insulated, externally it is executed in the same material of the structure (sheet steel painted blue colour) while internally it has non-conductive material. The lid is provided with counterbalanced hinges to avoid unexpected lid closing. A perfect hermetic closing is assured through a double gasket system, one, magnetic mounted on the lid itself and another one, silicone type, mounted on the structure of the freezer. The gaskets are even provided with a special heating system to prevent the freezing and grant the possibility to re-open immediately the lid after a closing. In the front part of the lid is mounted the locking mechanism with key lock
- **Inner covers** : Nr 2, realized in non-conductive material. The inner cover prevent air-cold loss at the external door opening and it is provided with a handle to make easy the handling operations
- **Control panel "PRO2"** : located on a side of the structure, it is microprocessor operating with soft-touchpads, LED display and warning lamps, allowing the control of all the functions and working status of the freezer (including alarms). 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
 - Warning lamp signalling when the cooling unit is ON
 - Keyboard block with a password to avoid tampering from unauthorized persons
 - Visual and acoustic alarm for high or low temperature with programmable limits
 - Visual and acoustic alarm for lid ajar, delayed of 30 seconds to allow the standard operations
 - Visual and acoustic alarm for power failure
 - Visual and acoustic alarm for dirty condenser that limit the cooling unit performances
 - Visual alarm for discharged battery with the possibility to display the charging status
 - Temporally muting of the acoustic alarms, with automatic re-activation in case the alarm conditions continues
 - NO/NC contact
 - RS 485
- **Cooling unit** : side mounted, compounded by Nr 2 hermetic compressors (cascade) with a power of 0,625 HP each, Nr 1 finned condenser, air cooled through a fan and special electro-valves. The cooling unit compartment is adequately acoustically insulated to limit the noise level. Also, 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 mounted components are industrial grade to grant the maximum reliability
- **Refrigerant** : CFC-free
- **Refrigeration** : static, with evaporating pipes throughout all the chamber in order to grant maximum temperature stability and uniformity
- **Temperature range** : infinitely adjustable between -60°C / -86°C

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- **Voltage (V/ph/Hz)** : 220-230/1/50
- **Plug** : Schuko type
- **Noise level (dB(A))** : ≤ 54
- **Capacity (litres)** : 400
- **Dimensions (W x D x H cm)** : 168 x 95 x 1098
- **Net weight (Kg)** : 350
- **Packed dimensions (W x D x H cm)** : 185 x 100 x 135 (2,50 m³)
- **Gross weight (Kg)** : 390

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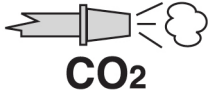
ACCESSORIES AVAILABLE



Storage rack for boxes



Box for storage rack



CO2 back-up system



Temperature chart recorder

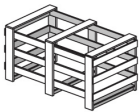


Gloves



240V / 60 Hz

Different voltage



Wooden crate packing



Vers. July 13

* The declared performances are referred at +26°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.

SPHERA GROUP s.r.o.

info@spha-group.cz

Tel: +420 226 886 248

Průmyslová 7 Business Park

102 00 Praha, Czech Republic **SPHERA GROUP**

