

## ULTRA LOW FREEZER *Model OVEVF 535/40*

- High energy efficiency new vertical laboratory freezer for sample storage
- Temperature control range from  $-40^{\circ}\text{C}$  to  $-86^{\circ}\text{C}$
- Digital temperature control unit with digital display, placed at visible level on the door front, for easy reading, to control the system parameters
- Control panel with tactile keyboard
- Special alarm system for any situation
- Potential free output for remote alarms system



<b>Technical information</b>	
<i>Model</i>	<i>OVEVF 535/86</i>
<i>Capacity in litres</i>	<i>535</i>
<i>VIP Isolation in mm</i>	<i>110</i>
<i>No. inner doors</i>	<i>4</i>
<i>No. leves</i>	<i>4</i>
<i>Consume in W</i>	<i>2000</i>
<i>Compressor HP</i>	<i>1 ¼</i>
<i>Internal dimensions in mm wide x deep x high</i>	<i>600 x 650 x 1345</i>
<i>External dimensions in mm wide x deep x high</i>	<i>850 x 940 x 1999</i>
<i>Weight Net /Gross in kg.</i>	<i>280 / 320</i>
<i>Gross Volume of the packaged in m3</i>	<i>2,2</i>

### ***Technical specifications***

- Pt 100 temperature probe, accuracy of 0.1° C on the display
- Audible and visible independent alarms with battery back-up: maximum and minimum temperature, also alarms for power failure
- Alarm indication with battery back-up: door open, battery empty, filter saturation; also for systems failures, current voltage level and room temperature
- Lockable code protection of the control system with numerical password
- Printer for temperature, recorded every 20 min. and 7 days memory
- Display for ambient room temperature
- Display of the current voltage level
- Alarms record of the 10 last incidents, with indication of date, time and cause of alarms failure
- Main power switch, key protected
- Solid door with opening aids, with independent lock and keys
- Port hole for probes and tubes.



**OVEVF 535/86 with optional  
circular chart recorder**



Equipos para Laboratorio  
Laboratory Equipment

- Isolation of 110 mm high-density isolation preformed vacuum formed high density (VIP), CFC and HCFC free, biodegradable
- Cooling gases, CFC and HCFC free, biodegradable
- Surrounding evaporator system
- Hermetic compressors built on cascade, serial construction, low noise, mounted over dampers in order to avoid the sound level <48 dB
- Air filter placed on the front, easy to take out and clean
- Double heated perimeter gasket on the door, to ensure ice free and perfect airtight closing
- Heated pressure compensation valve, allow easy opening of the door.
- Internal chamber of stainless steel
- Round corners for easy cleaning
- Free height regulated stainless steel shelves
- Individual inner service doors, allow the access to each shelve, to avoid cool losing in case of frequent door openings
- External body of carbon steel, epoxy coated
- Base with 4 wheels, for easy movement
- Tropical treatment, to allow work until +32° C working area temperature, with 85-90% R.H.
- Power supply: 220-230V/50Hz or alternative 110-115V/60Hz



**Optional accessories (not included in the basis price)**

- Temperature circular chart recorder 7 days, main power with battery back-up, to works even with power failures situations, included 100 charts.
- Secondary alarm system, independent of the controller
- Remote control connection RS 485/232 interface
- CO<sub>2</sub> back-up, security system
- Data loggers

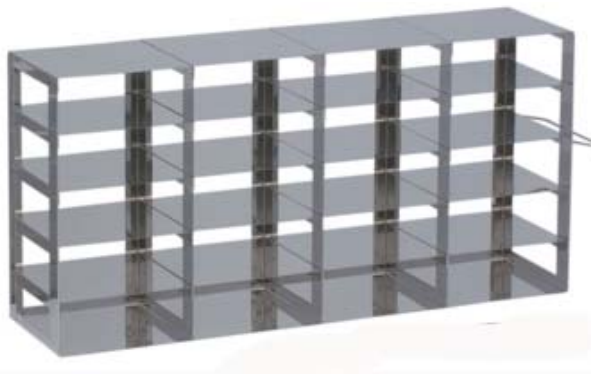
**OPTIONAL INVENTORY STORAGE RACKING SYSTEM**



sliding racks

<i>Ref. of the rack</i>	<i>for model</i>	<i>Number of racks made of stainless steel</i>	<i>No. of box</i>	<i>High of the box</i>
400 323	EVF 535/86	16	320	50 mm
400 324	EVF 535/86	16	320	50 mm
400 325	EVF 535/86	16	192	75 mm
400 326	EVF 535/86	16	160	100 mm

\* For boxes 136 x 136 and 133 x 133 mm



standard rack Model 400 323 standard for 133 x 133 x 50 mm cryo boxes



Equipos para Laboratorio  
Laboratory Equipment

	Made of carton paper Ref.	Made of polypropylene Ref.
Box of 50 mm high with lid	400 341	400 351
Box of 75 mm high with lid	400 342	400 352
Box of 100 mm high with lid	400 343	400 353



Dividers not included in basis price