

ULTRAFREEZERS

UNDER/OVER COUNTER

-86°C



TECHNICAL SPECIFICATIONS

- Temperature control range between -86°C and -40°C.
- Digital temperature controller for system parameters.
- Pt 100 probe with a precision of 0.1°C.
- Audible and visible alarms, with battery backup for maximum and minimum temperatures and probe and power failures in the chamber.
- Controller with NiCd battery backup with charger, for up to 48h (72h optionally).
- System settings and alarms protected by password.
- Data logger, to record data every 30" for a year.
- Potential free output for remote alarm.
- Main switch (on/off) protected with key.

SERIES 38000 CONTROLLER

MODELS	CAPACITY (litres)	No. of SHELVES	USB OUTPUT	CIRCULAR RECORDER	REMOTE ALARM CONTROL	INSULATION (mm)	COMPRESSOR HP	INTERNAL/EXTERNAL FINISH	INTERNAL DIMENSIONS (mm) (width x depth x height)	EXTERNAL DIMENSIONS (mm) (width x depth x height)
EVF 37091/86	91	2	✓	optional	✓	155	1/2	Epoxy	430 x 425/205 x 625	595 x 825 x 695

TECHNICAL SPECIFICATIONS

- Door with lock and handle.
- 155 mm, CFC and HCFC free, high density polyurethane insulation.
- CFC and HCFC free biodegradable cooling gas.
- Surrounding evaporator.
- Double magnetic hinge and heated frame, to ensure a perfect and ice free closing.
- Internal and external epoxy coated steel finish.
- Rounded corners for easy cleaning.
- Access ports, to introduce cables and tubes.
- Height-adjustable feet.
- Tropicalization, to allow work up to +32°C room temperature.



Circular temperature recorder for 7 days, with battery backup

OPTIONAL ACCESSORIES FOR LOW TEMPERATURE FREEZERS

- Circular temperature recorder for 7 days, with an independent battery backup (increases the equipment's size 200 mm).
- Graphic temperature controller with data recorder and independent battery backup: also works in case of power failure.
- Series 4000 controller (increases the equipment's height 200 mm).
- Secondary alarm system, independent from the main controller.
- RS 485 remote control interface connection + protocols.
- Security system with CO₂ backup.
- Storage system divided in shelves.
- Stainless steel shelves.
- USB port for system data storage.
- Module for GSM phone connection.
- Alarm remote control (BMS).
- Internal finish according to ATEX 94/9/GE (ATEX 95).



Series 4000 controller connection diagram

	WATERPROOF CARDBOARD REF.	POLYPROPYLENE BOXES REF.
50 mm / 2 inches	400 341	400 351
70 mm / 3 inches	400 342	400 352
100 mm / 4 inches	400 343	400 353

FOR MODELS	NUMBER OF RACKS	50 mm / 2" HIGH BOX WITH LID	75 mm / 3" HIGH BOX WITH LID	100 mm / 4" HIGH BOX WITH LID
EVF 37091/86	3	63 + 12	45 + 9	27 + 6

Sliding racks



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