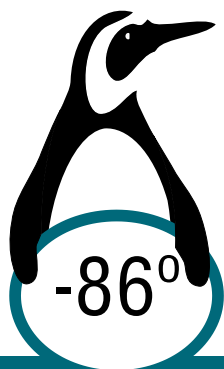


Professional Upright Models

ULTRA LOW TEMPERATURE FREEZERS



PROFESSIONAL
LABORATORY
VERTICAL ULTRA
LOW TEMPERATURE
FREEZERS
MODELS EVF
UNTIL -86° C
AND -40° C



EVF 525/86
with optional chart recorder
and EVF 525/40
with optional chart recorder



**PROFESSIONAL LABORATORY VERTICAL
ULTRA LOW TEMPERATURE FREEZERS
MODELS EVF UNTIL -86° C AND -40° C**



TECHNICAL SPECIFICATIONS FOR ALL -86°C AND -40°C

- Temperature control range from -86° C to -40° C and -40° C to -10° C.
- Digital temperature control unit with digital display, placed at visible level on the door, for easy reading, to control the system parameters.
- Control panel with tactile keyboard.
- Pt 100 temperature probe with accuracy of 0.1° C.
- Audible and visible independent alarms with battery back up: maximum and minimum temperatures, also alarms for power failures.
- Alarm indications with battery back up for open door, empty battery, filter saturation; also for system 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 with 7 days memory.
- Display for room temperature.
- Display of the current voltage level.
- Alarm record of the last 10 incidents, with indication of date, time, cause of alarm and time of failure.
- Potential free output for remote alarm control.
- Locked main power switch (on/off).
- Access port.



Optional: Chart Recorder

OPTIONAL ACCESSORIES FOR ALL -86°C AND -40° C FREEZERS

- Temperature circular chart recorder for 7 days, main powered with independent battery back-up (replacing the printer).
- Secondary alarm system, independent of the main controller.
- Remote control interface connection RS 485/232.
- CO₂/LN₂ back-up, security system.
- Storage racking systems.
- Stainless steel shelves.
- Data loggers.
- USB storage data control system.
- GSM phone alarm module.



Controller view

Models	Capacity in Litres	Internal Doors	N° of Levels	Interior/ Exterior	N° of Compres.	Power in W	Compressors HP	Int Dimen. (mm) wide x depth x high	Ext Dimen. (mm) wide x depth x high	Weight/Pack net/gross	Vol./pack m ³
EVF 220/86	220	2	2	Inox*/Epoxy	1	1000	1	470 x 570 x 750	850 x 940 x 1599	225/250	1.6
EVF 535/86	535	4	4	Inox*/Epoxy	2	2000	1 1/4	600 x 650 x 1345	850 x 940 x 1999	280/320	2.2
EVF 665/86	665	4	4	Inox*/Epoxy	2	2700	2	800 x 660 x 1200	1075 x 996 x 1999	420/380	2.9
EVF 765/86	765	4	4	Inox*/Epoxy	2	2700	2 1/4	930 x 665 x 1200	1190 x 996 x 1999	450/420	3.2

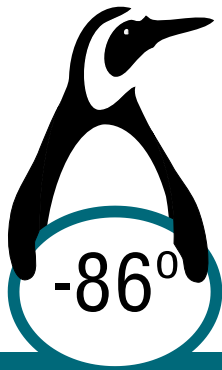
Models	Capacity in Litres	Internal Doors	N° of Levels	Interior/ Exterior	N° of Compres.	Power in W	Compressors HP	Int Dimen. (mm) wide x depth x high	Ext Dimen. (mm) wide x depth x high	Weight/Pack net/gross	Vol./pack m ³
EVF 525/40	525	4	4	Inox*/Epoxy	1	1000	5/8	600 x 650 x 1345	850 x 940 x 2020	280/320	2.2

Equitec reserves the right to alter specifications without notice as a result of product development.

* Stainless Steel 1 cu ft = 28,3 litres. 1 inch = 25,4 mm.

Professional Upright Models

ULTRA LOW TEMPERATURE FREEZERS



PROFESSIONAL
LABORATORY
VERTICAL ULTRA
LOW TEMPERATURE
FREEZERS
MODELS EVF
UNTIL -86° C AND -40° C

EVF 220/86

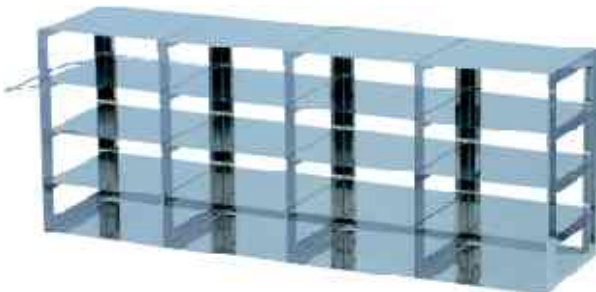


**PROFESSIONAL LABORATORY VERTICAL
ULTRA LOW TEMPERATURE FREEZERS
MODELS EVF UNTIL -86° C AND -40° C**



TECHNICAL SPECIFICATIONS FOR ALL -86°C AND -40°C

- Solid door with opening aids, easy to open, with independent lock and keys.
- Insulation of 155 mm high density injected polyurethane, CFC and HCFC free, for models: EVF 220/86.
In models: EVF 525/86, CVF 665/86, EVF 765/86 and EVF 525/40 110 mm Vacuum Formed High Density Polyurethane (VIP), CFC and HCFC free.
- 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 high noise levels < 48 dB.
- Air filter placed on the front, easy to take out and clean.
- Double heated perimeter gasket on the door, to ensure it to be ice free and to have a perfect airtight closing.
- Heated pressure compensation valve, wich allows an easy opening of the door in consecutive door openings.
- Stainless steel internal chamber.
- Round corners for easy cleaning.
- Free height regulated stainless steel shelves.
- Individual inner service doors, allow the access to each shelve, and avoids losing cool in case of frequent door openings.
- External body of epoxy coated carbon steel.
- Base with 4 castors, for easy movement.
- Tropical treatment to allow work until + 32° C working area temperature.



Optional: Storage Racks



Not included the internal dividers, on request

	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



Sliding Racks

For model	No. of box of 50 mm (2 inch) high, model*	No. of box of 75 mm (3 inch) high, model*	No. of box of 100 mm (4 inch) high, model*
EVF 110/86	81	54	32
EVF 220/86	168	108	84
EVF 525/86	400	256	192
EVF 665/86	440	280	220
EVF 765/86	528	336	264

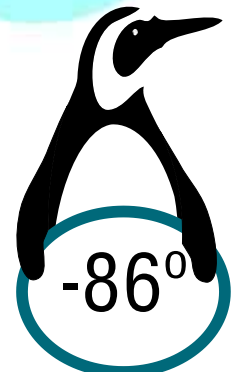
Equitec reserves the right to alter specifications without notice as a result of product development.

* For boxes 136 x 136 and 133 x 133 mm

Professional Upright Models

ULTRA LOW TEMPERATURE FREEZERS

PERSONAL ULTRA LOW TEMPERATURE LABORATORY
PROFESSIONAL FREEZER CAPACITY 110 LITRES
MODEL EVF 110/86 UNTIL -86°C



EVF 110/86
with optional chart recorder
and castors



EVF 110/86

TECHNICAL SPECIFICATIONS

- Special design for places with space problems or small quantity of samples.
- Temperature range from -86° C to -40° C.
- Digital temp. control unit with digital display, placed at the door front for easy reading, to control the system parameters.
- Control panel with tactile keyboard.
- 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 power failure.
- Alarm indications with battery back up: door open, battery empty, filter saturation; also alarms for system failures and current voltage level and room temperature.
- Alarm indications for: door open, battery empty, filter saturation; also alarms for failures, power supply and room temp.
- Lockable code protection of the control system with numerical password.
- Printer for temperature, recorded every 20 min. and 7 days memory.
- Display for of ambient room temperature.
- Display of the current voltage level.
- Alarm record of the 10 last incidents, with indication of: date, time, cause of alarm and time of failure.
- Locked main power switch (on/off).
- Solid door with opening aids, easy to open, with independent lock and keys.
- Insulation of 155 mm of high density injected polyurethane, CFC and HCFC free.
- Cooling gases, CFC and HCFC free, biodegradables.
- Surrounding evaporator system.
- Hermetic compressor, low noise, mounted over dampers in order to avoid high noise levels < 48 dB.
- Air filter placed on the front, easy to take out and clean.
- Double heated perimeter gasket on the door, to ensure it to be ice free and to have a perfect airtight closing.
- Stainless steel internal chamber.
- Round corners for easy cleaning.
- Free height regulated stainless steel shelves.
- Individual inner service doors, allow the access to each shelve and avoid loosing cool in consecutive frequent door openings.
- External body of epoxy coated carbon steel.
- Feet size adjusts equipment height.
- Access port.
- Tropical treatment to allow work until + 32° C working area temperature.

OPTIONAL ACCESSORIES (see page 5)

- Temperature circular chart recorder for 7 days, main powered with independent battery back-up (replacing the printer).
- Secondary alarm system, independent from the controller.
- Remote control interface connection RS 485/232.
- Potential free output for remote alarm control.
- Spark-free interior, to reduce the risk of internal explosions.
- CO²/LN² back-up, security system.
- Storage racking systems (see page 5).
- Data loggers.
- Port holes.
- Stainless steel shelves.

Model	Capacity in Litres	Interior/ Exterior	Internal Doors	N° of internal doors	N° of shelves	Power in W	Compressor	Internal Dimen. (mm) wide x depth x high	External Dimen. (mm) wide x depth x high	Weight/Pack net / gross	Vol/Pack m ³
EVF 110/86	110	Inox*/Epoxy	2	2	2	1000	1/2	450 x 480 x 500	950 x 700 x 750	150/180	1.0

Professional Chest Models

ULTRA LOW TEMPERATURE FREEZERS



ULTRA LOW TEMPERATURE LABORATORY PROFESSIONAL CHEST FREEZERS MODELS EHF UNTIL -86°C



EHF 400/86
with optional chart recorder

Model	Capacity in Litres	Power in W	Compressors HP	Interior/Exterior	Internal Dimensions in mm wide x depth x high	External Dimensions in mm wide x depth x high	Weight/Pack net/gross	Vol./Pack m ³
EHF 50/86	50	300	1/2	Inox*/Epoxy	340 x 340 x 415	600 x 590 x 910	100/150	0.7
EHF 400/86	400	1800	1 1/4	Inox*/Epoxy	1200 x 465 x 610	2005 x 900 x 1060	250/300	2.2
EHF 260/86/AF	260	4000	2 1/2	Inox*/Epoxy	900 x 465 x 610	2085 x 900 x 1009	330/380	2.2

* Stainless Steel 1 cu ft= 28,3 litres. 1 inch= 25,4 mm.



**ULTRA LOW LABORATORY
PROFESSIONAL CHEST FREEZERS**
MODELS EHF UNTIL -86° C



EHF 50/86

TECHNICAL SPECIFICATIONS

- Temperature range from -86° C to -40° C.
- Digital temperature control system with digital display.
- Control panel with tactile keyboard.
- Pt 100 temp. probe, accuracy of 0.1° C on the display.
- Audible and visible indep. alarms with battery back up: max. and min. temp., also alarms for power failure.
- Alarms indications with battery back up: lid open, battery empty, filter saturation; also for system failures, current voltage level and room temperature (optional in EHF 50/86).
- Lockable code protection of the control system with numerical password.
- Printer for temperature, recorded every 20 min and 7 days memory (optional in EHF 50/86).
- Display for of ambient room temperature (optional in EHF 50/86).
- Display of the current voltage level (optional in EHF 50/86).
- Alarm record of the 10 last incidents, with indication of: date, time, cause of alarm and time of failure.
- Locked main power switch (on/off) (optional in EHF 50/86).
- Top lid with opening aids, incorporate compensators.
- Independent lock and keys.
- Insulation of 155 mm of high density injected polyurethane, CFC and HCFC free.
- Cooling gases CFC and HCFC free, biodegradables.
- Surrounding evaporator system.
- Hermetic compressors, low noise, mounted over dampers in order to avoid the high sound levels <48 dB.
- Air filter placed on the front, easy to take out and clean (not in EHF 50/86).
- Double heated perimeter gasket on the lid, to ensure ice free and a perfect airtight closing.
- Stainless steel internal chamber.
- Round corners for easy cleaning.
- Individual inner service lids, to allow individual access and to avoid losing cool in consecutive openings.
- External body of epoxy coated carbon steel.
- Base with 4 castors, for easy movement.
- Tropical treatment to allow work until +32° C working area temperature.

PLASMA BAGS QUICK FREEZER -86°C - MODEL CHF 260/86/AF

- Freeze for plasma bags of 200 ml in less of 120 min at -35° C.
- Temperature range from -86° C to -10° C.
- Chamber with ventilated air-flow cooling system.
- Temperature controller with digital display, easy reading.
- Temperature digital control with integrated tactile board.
- Acoustic and visual alarms for maximum and minimum temperature as well as power cut with battery back-up.
- Internal racks to carry the plasma bags.
- Capacity until maximum 60 bags of 500 ml.



Optional: Chart Recorder

OPTIONAL ACCESSORIES

See page 5.

Optional inventory storage racking system

Reference	For model	Number of racks made of stainless steel
400 328	CHF 400/86	24
Nr. of Box of 50 mm (2 inch) high, model*	Nr. of Box of 75 mm (3 inch) high, model*	Nr. of Box of 100 mm (4 inch) high, model*
240	168	120



*For boxes 136 x 136 and 133 x 133 mm

	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