

Professional Upright Models

LOW TEMPERATURE FREEZERS



**PROFESSIONAL LABORATORY
VERTICAL LOW TEMPERATURE
FREEZERS**
STATIC MODELS EVF
UNTIL -30° C

EVF 284/30





PROFESSIONAL LABORATORY VERTICAL FREEZERS STATIC MODELS EVF UNTIL -30° C

TECHNICAL SPECIFICATIONS

- Digital temperature controller with display.
- Temperature range from -14° C to -30° C.
- Pt1000 probe with accuracy of 0.1° C on the display.
- Audible and visible independent alarms for temperature, probe and power failures; NiCd battery back-up, all with battery charger (support over 48 hours).
- Door open warning, with audible and visual alarms.
- Alarms sound key, protected.
- Solid door with opening aids and big sized handle.
- Two side opening door, right or at left opening available (please indicate at the order, factory adjustment).
- Security lock on the door with keys.
- Lockable code protection of the control system with numerical password.
- Locked main power switch (on/off).
- Upper and lower temperature memory records.
- Insulation of 80 mm of high density injected polyurethane, CFC and HCFC free.
- Cooling gas R404a or R600, CFC and HCFC free, biodegradable.
- Hermetic compressor, built over dampers, low noise < 48 dB.
- Durable ABS inner lining, one-piece molded, with aluminium shelves, incorporate the evaporator in each shelf.
- Internal service doors/drawers of polypropylene, allow the access to each shelf, to avoid losing cool in consecutive door openings.
- External body of epoxy coated carbon steel.
- Feet size adjusts equipment height.
- Evaporator with automatic time controlled defrost system.
- Double heated perimeter gasket on the door, to ensure ice free and a perfect airtight closing.
- Tropical treatment to allow work until +38° C working area temperature.



EVF 510/30

OPTIONAL ACCESSORIES

- Temperature circular chart recorder for 7 days, main powered with independent battery back-up.
- Secondary alarm system, independent of the main 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 back-up, security system.
- Storage racking systems.
- Data loggers.
- Access port.
- USB storage data control system.
- GSM phone alarm module.
- Base with 4 castors for easy movement.



Optional: datalogger



Controller with alarms and upper and lower temperature memory records.

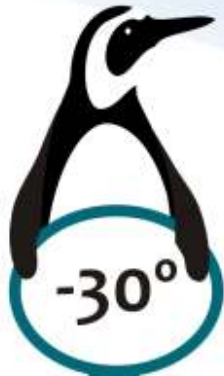
Models	Capacity in Litres	Doors	Internal/External	N° of internal drawers	Power in W	Compressors HP	Internal Dimensions in mm wide x depth x high	External Dimensions in mm wide x depth x high	Packaging Weight in Kg gross/net	Packaging Volume in m ³
EVF 110/30	110	1	ABS/Epoxy	3	100	1/5	474 x 443 x 676	553 x 624 x 851	70/55	0.4
EVF 244/30	244	1	ABS/Epoxy	6	150	1/5	440 x 400 x 1410	600 x 600 x 1700	100/80	0.6
EVF 284/30	284	1	ABS/Epoxy	7	150	1/5	440 x 400 x 1410	600 x 660 x 1700	110/90	0.7
EVF 350/30	350	1	ABS/Epoxy	8	300	1/4	440 x 420 x 1610	697 x 750 x 1947	130/100	1.0
EVF 510/30	510	1	ABS/Epoxy	14	126	1/4	607 x 560 x 1510	750 x 750 x 1725	150/120	1.2

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

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

Professional Chest Models

LOW TEMPERATURE FREEZERS



**PROFESSIONAL LABORATORY
CHEST LOW TEMPERATURE FREEZERS**
MODELS EHF UNTIL -30° C



CHF 440/30 with optional chart recorder



**PROFESSIONAL LABORATORY
CHEST LOW TEMPERATURE FREEZERS**
MODELS EHF UNTIL -30° C



EHF 440/30
with optional chart recorder

TECHNICAL SPECIFICATIONS FOR MODELS EHF and EHF 400/30/AF

- Digital temperature controller with display.
- Temperature range from -18° C to -30° C.
- Pt1000 probe with 0.1° C accuracy of on the display.
- Audible and visible independent alarms for temperature, probe and power failures; NiCd battery back-up, all with battery charger (support over 48 hours).
- Lid with opening aids, with compensators and big sized handle.
- Locked main power switch (on/off).
- Lockable code protection of the control system by numerical password.
- Upper and lower temperature memory records.
- Insulation of 100 mm of high density injected cyclopentane, CFC and HCFC free.
- Cooling gas, CFC and HCFC free, biodegradable
- Hermetic compressors built over dampers, low noise < 48 dB.
- Inner lining chamber of printed aluminium.
- Surrounding evaporator.
- Internal baskets, of plastic coated steel wire.
- External body of epoxy coated carbon steel.
- Double perimeter gasket on the lid, with heated frame, to ensure ice free and a perfect airtight closing.
- Tropical treatment to allow work until +38° C working area temperature.

**LABORATORY PROFESSIONAL HIGH STABILITY FORCED AIRFLOW VENTILATED CHEST FREEZER
MODEL CHF 400/30/AF UNTIL -30° C, CAPACITY 380 LITRES**

- Special design for applications of high temperature precision requirements (e.g. for test of products and quality control).
- Ventilated air cooling system, distributed uniformly.
- Digital temperature controller.
- Working temperature range from 0° C to -30° C.
- Accuracy of +/- 0,1° C on the display.
- Homogeneity of +/- 1,0° C .
- Stability of +/- 0,5° C.
- Pt100 probe with 0.1° C accuracy on the display.
- Audible and visible alarms for maximum and minimum temperature, also alarms for probe and power failure; all with battery back-up.



EHF 400/30/AF: inner view

OPTIONAL ACCESSORIES FOR MODELS CHF and CHF 400/40/AF

- Temperature circular chart recorder for 7 days, main powered with independent battery back-up (increase equipment external wide 250 mm).
- Secondary alarm system, independent from the main 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 back-up, security system.
- Storage racking systems.
- Data loggers and USB data storage control system.
- GSM alarm module
- Access port.
- Base with 4 castors for easy movement.

Models	Capacity in Litres	Internal/External	N° of baskets	Power in W	Compressors HP	Internal Dimen. in mm wide x depth x high	External Dimen. in mm wide x depth x high	Weight/Pack net / gross	Vol./Pack m ³
EHF 250/30	250	Al/Epoxy	3	110	1/5	930 x 451 x 646	1132 x 760 x 917	80/100	1.2
EHF 440/30	440	Al/Epoxy	4	140	1/4	1445 x 500 x 646	1647 x 809 x 917	95/115	1.7

Models	Capacity in Litres	Internal/External	N° of baskets	Power in W	Compressors HP	Internal Dimen. in mm wide x depth x high	External Dimen. in mm wide x depth x high	Weight/Pack net / gross	Vol./Pack m ³
EHF 400/30/AF	380	Al/Epoxy	optional	370	1/4	1200 x 500 x 646	1647 x 809 x 917	115/130	1.7

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

Professional ventilated forced-air laboratory

LOW TEMPERATURE FREEZERS



EVF 1001/30/AF/C

VENTILATED FORCED-AIR COOLING LABORATORY FREEZERS

MODELS EVF/AF UNTIL -30°C

TECHNICAL SPECIFICATIONS

- Digital temperature controller with display.
- Temperature range from -20°C to -30°C .
- Ventilated air cooling system, distributed uniformly upward, with high homogeneity of the temperature inside the chamber.
- Pt1000 probe with 0.1°C accuracy on the display.
- Audible and visible independent alarms for temperature, probe and power failures; NiCd battery back-up, all with battery charger (support over 48 hours).
- Indication for door open, with audible and visible alarms.
- Lower temperature records.
- Ventilation stopped by opening door.
- Upper and lower temperature memory records.
- Homogeneity in the chamber of $\pm 1,5^{\circ}\text{C}$.
- Lockable code protection of the control by numerical password
- Door easy to open, right or at left opening available (please indicate at the order, factory adjustment).
- Models with "C" (in the chart): double or triple glass door (optional); with heated frame acc. the model.
- Internal illumination only in models with glass door, with a separate switch.
- Solid door with opening aids and big sized handle (in the chart): according the model.
- Security lock on the door with keys.
- Locked main power switch (on/off).
- Lockable code protection of the control by numerical password.
- Insulation of 60 mm of high density injected cyclopentane, CFC and HCFC free.
- Cooling gas: R404a or R600, CFC & HCFC free, biodegradable.
- Evaporator with automatic defrost system, probe controlled.
- Hermetic compressor very low noise, mounted over dampers noise level $< 48\text{ dB}$.
- Heated door frame to avoid ice formation in the gaskets.
- Perimeter gasket on the door to ensure a perfect airtight closing.
- Stainless steel AISI 304 internal and external, round corners for easy cleaning.
- Internal shelves of plastic coated steel wire, adjustables in height.
- Feet size adjusts equipment height.
- Tropical treatment, to allow work until $+38^{\circ}\text{C}$ working area temperature.

**PROFESSIONAL VENTILATED FORCED-AIR COOLING
LABORATORY FREEZERS
MODELS EVF UNTIL -30° C**



ACCESORIES FOR ALL FREEZERS



Potential free output for remote alarm



Controller view



Optional: dattalogger



Optional:
Base with 4 castors,
for easy movement.



EVF 701/30/AF/C

OPTIONAL ACCESSORIES

- Temperature circular chart recorder for 7 days, with independent battery back-up; works even by power failures.
- Double or triple layer heated thermal glass door.
- Internal light for solid door models with separate switch.
- Remote control interface with connection RS 485/232.
- Potential free output for remote alarm control.
- USB storage data control system.
- Stainless steel wire shelves.
- Double independent section for temperature control in the chamber with 2 different Pt100 temperature probes, with an accuracy on the display of 0,1°, to achieve the whole temperature range inside in all the chamber.
- Alarm sound stop switch, key protected.
- Port holes.
- Drawers and storage systems.
- Data loggers.
- Base with 4 castors, for easy movement.
- GSM phone alarm module.

Models with glass door	Models with solid door	Capacity in Litres	Doors	Internal/External	No of drawers	Power in W	Compressors HP	Internal Dimensions in mm wide x depth x high	External Dimensions in mm wide x depth x high	Packaging Weight in Kg gross/net	Packaging Volume in m ³
EVF 331/30/AF/C	EVF 331/30/AF	331	1	Inox*	4	380	1/4	370 x 635 x 1372	490 x 725 x 2000	120/98	0.9
EVF 381/30/AF/C	EVF 381/30/AF	381	1	Inox*	3	725	1/2	480 x 500 x 1500	600 x 650 x 2000	120/98	1.0
EVF 501/30/AF/C	EVF 501/30/AF	501	1	Inox*	3	725	5/8	530 x 560 x 1320	650 x 725 x 2040	130/115	1.2
EVF 651/30/AF/C	EVF 651/30/AF	651	1	Inox*	4	500	1/2	840 x 635 x 1372	960 x 725 x 2000	130/115	1.4
EVF 701/30/AF/C	EVF 701/30/AF	700	1	Inox*	4	800	3/4	590 x 700 x 1390	710 x 850 x 2130	220/190	1.5
N/A	EVF 855/30/AF	855	1	Inox*	6	1425	1/2	582 x 687 x 1357	756 x 960 x 2130	170/145	1.6
EVF 801/30/AF/C	EVF 801/30/AF	800	2	Inox*	3+3	800	3/4	960 x 500 x 1500	1280 x 650 x 2000	170/145	1.9
EVF 1001/30/AF/C	EVF 1001/30/AF	1000	2	Inox*	3+3	800	3/4	1060 x 560 x 1320	1280 x 725 x 2040	170/145	2.1
EVF 1501/30/AF/C	EVF 1501/30/AF	1500	2	Inox*	4+4	880	1 1/4	1300 x 700 x 1390	1420 x 850 x 2130	220/190	2.7

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

Professional Laboratory Ventilated Air Cooling System

LOW TEMPERATURE FREEZERS



**VENTILATED
FORCED-AIR
COOLING
LABORATORY
FREEZERS**
MODELS EVF/AF
UNTIL -30°C
and -25°C

EVF 544/25/AF



 **EQUITEC**

PROFESSIONAL VENTILATED FORCED-AIR COOLING LABORATORY FREEZERS

MODELS EVF/AF UNTIL -30° C and -25° C



TECHNICAL SPECIFICATIONS

- Temperature range from -14° C to -30° C or -14° C to -25° C.
- Ventilated air cooling system, distributed uniformly upward, with high homogeneity of the temperature inside the chamber.
- Homogeneity in the chamber of +/- 1,5°C in the chamber.
- Digital temperature controller with display.
- Pt1000 probe with accuracy of 0.1° C on the display.
- In Models EVF /30/AF: Audible and visible independent alarms for temperature, probe and power failures; NiCd battery back-up, all with battery charger (support over 48 hours).
- Standard in EVF/25/AF optional. Indication for door open, with audible and visible alarms in models EVF/30/AF.
- Solid door (in the chart) with opening aids and big sized handle.
- Security lock on the door with keys.
- Insulation of 60 mm of high density injected cyclopentane, CFC and HCFC free.
- Cooling gas R410a or R600, CFC and HCFC free, biodegradable.
- Hermetic compressor, built over dampers, low noise < 48 dB.
- Models with "C" (in the chart): double or triple glass door (optional); with heated frame acc. the model.
- Lockable code protection of the control system with numerical password.
- In Models EVF /25/AF: Audible and visible independent alarms for temperature, probe and power failures.
- Two side opening door, right or at left opening available (please indicate at the order, factory adjustment).
- Locked main power switch (on/off).
- Durable ABS inner lining, one-piece molded.
- Internal shelves of plastic coated steel wire, adjustables in height.
- External body of epoxy coated carbon steel.
- Feet size adjusts equipment height.
- Airforced models with automatic evaporator defrost.
- Double heated perimeter gasket on the door, to ensure ice free and a perfect airtight closing.
- Tropical treatment to allow work until +38° C working area temperature.

EVF 544/30/AF



OPTIONAL ACCESSORIES

- Temperature circular chart recorder for 7 days, with independent battery back-up; works even by power failures.
- Remote control interface with connection RS 485/232.
- Potential free output for remote alarm control.
- Double or triple layer heated thermal glass door.
- Alarm sound stop switch, key protected.
- Internal light for solid door models with separate switch
- Port holes.
- Drawers and storage systems.
- Data loggers and USB storage data control system.
- Base with 4 castors, for easy movement.
- GSM phone alarm module.



Optional: Chart Recorder



Controller with alarms with upper and lower temperature memory records.

LOW TEMPERATURE FORZED AIR FREEZERS -30° C

Models with glass door	Models with solid door	Capacity in Litres	Doors	Internal/ External	N° of shelves	Power in W	Compressors HP	Internal Dimensions in mm wide x depth x high	External Dimensions in mm wide x depth x high	Packaging Weight in Kg gross/net	Packaging Volume in m³
EVF 182/30/AF/C	EVF 182/30/AF	180	1	ABS/Epoxy	2	126	1/5	430 x 500 x 680	593 x 620 x 832	49/55	0.5
EVF 344/30/AF/C	EVF 344/30/AF	344	1	ABS/Epoxy	4	500	1/4	470 x 470 x 1400	600 x 600 x 1850	98/87	1.0
EVF 554/30/AF/C	EVF 554/30/AF	554	1	ABS/Epoxy	4	450	1/4	600 x 550 x 1600	750 x 750 x 1880	140/120	1.4

LOW TEMPERATURE FORZED AIR FREEZERS -25° C

Models with glass door	Models with solid door	Capacity in Litres	Doors	Internal/ External	N° of shelves	Power in W	Compressors HP	Internal Dimensions in mm wide x depth x high	External Dimensions in mm wide x depth x high	Packaging Weight in Kg gross/net	Packaging Volume in m³
EVF 182/25/AF/C	EVF 182/25/AF	180	1	ABS/Epoxy	2	126	1/5	430 x 500 x 680	593 x 620 x 832	49/55	0.5
EVF 344/25/AF/C	EVF 344/25/AF	344	1	ABS/Epoxy	4	500	1/4	600 x 550 x 1600	600 x 600 x 1850	98/87	1.0
EVF 554/25/AF/C	EVF 554/25/AF	554	1	ABS/Epoxy	4	450	1/4	600 x 550 x 1600	750 x 750 x 1880	140/120	1.4

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