

# Professional Laboratory Ventilated Air Cooling System

LOW TEMPERATURE FREEZERS



**VENTILATED  
FORCED-AIR  
COOLING  
LABORATORY  
FREEZERS**  
MODELS EVF/AF  
UNTIL  $-30^{\circ}\text{C}$   
and  $-25^{\circ}\text{C}$

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

Equitex 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.

## Standard Models

LABORATORY VERTICAL FREEZERS  
AND CHEST FREEZERS



**STANDARD  
LABORATORY  
VERTICAL FREEZERS**  
STATIC MODELS EVF  
and CHEST FREEZERS  
MODELS EHF  
UNTIL -25° C



EVF 284/25



EHF 440/25



## STANDARD LABORATORY VERTICAL AND CHEST FREEZERS MODELS EVF and EHF UNTIL -25° C



EVF 510/25

### TECHNICAL SPECIFICATIONS

- Temperature digital controller with display.
- Temperature range from -14° C to -25° C.
- Audible and visible independent alarms for maximum and minimum temperature, also alarms for probe and power failure.
- Solid door/lid with opening aids and big sized handle.
- Two side opening door, right or at left opening available in up-right models (please indicate at the order, factory adjustment).
- Insulation of 80 mm of high density injected polyurethane, in up-right models EVF.
- Insulation of 100 mm of high density injected polyurethane, in chest models EHF CFC and HCFC free.
- Cooling gas R404a or R600a, CFC and HCFC free, biodegradable.
- Hermetic compressor, built over dampers, low noise < 48 dB.
- Durable ABS inner lining, one-piece molded (post formed polypropylene) with aluminium shelves, incorporate the evaporator, in each shelf, in models EVF.
- Internal services doors/drawers of performed polypropylene, in models EVF.
- Internal chamber of printed aluminium, in up-right models EHF.
- Surrounding evaporator, in chest models EHF.
- Internal baskets, of plastic coated steel wire, in chest models EHF.
- External body of epoxy coated carbon steel.
- Feet size adjusts equipment height.
- Double heated perimeter gasket on the door or the lid to ensure ice free and a perfect airtight closing.
- Tropical treatment to allow work until +38° C working area temperature.

### TECHNICAL SPECIFICATIONS

- Alarm failures; NiCd battery back-up protected, with battery charger.
- Internal light for solid lid models with separate switch
- Locked main power switch (on/off).
- Indication for door open, with audible and visible alarms.
- Main power switch and alarm sound stop switch, key protected.
- Data loggers.
- Base with 4 castors, for easy movement.
- Access port.
- Spark free internal chamber.
- GSM phone alarm module.
- USB storage data control system.

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 <sup>3</sup>
EHF 250/25	250	Al/Epoxy	3	110	1/5	930 x 451 x 646	1132 x 760 x 917	80/100	1.2
EHF 440/25	440	Al/Epoxy	4	140	1/5	1445 x 500 x 646	1647 x 809 x 917	95/115	1.7

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	Weight/ Pack net/gross
EVF 110/25	110	1	ABS/Epoxy	3	100	1/5	474 x 443 x 676	553 x 624 x 851	70/50
EVF 244/25	244	1	ABS/Epoxy	6	150	1/5	440 x 420 x 1310	600 x 640 x 1890	100/80
EVF 284/25	284	1	ABS/Epoxy	7	150	1/5	440 x 420 x 1460	600 x 640 x 2040	110/90
EVF 350/25	350	1	ABS/Epoxy	8	300	1/2	440 x 420 x 1610	697 x 750 x 1947	130/100
EVF 510/25	510	1	ABS/Epoxy	14	126	1/2	607 x 560 x 1510	750 x 750 x 1725	150/120

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

# Standard ventilated forced-air laboratory

LOW TEMPERATURE FREEZERS



## VENTILATED FORCED-AIR COOLING LABORATORY FREEZERS

MODELS EVF/AF UNTIL  $-25^{\circ}\text{C}$

### TECHNICAL SPECIFICATIONS

- Digital temperature controller with display.
- Temperature range from  $-18^{\circ}\text{C}$  to  $-25^{\circ}\text{C}$ .
- Ventilated air cooling system, distributed uniformly upward, with high homogeneity of the temperature inside the chamber.
- Pt1000 probe with  $0.1^{\circ}\text{C}$  accuracy on the display.
- Audible and visible independent alarms for temperature, probe and power failures.
- Internal illumination only in models with glass door, with a separate switch.
- Ventilation stopped by opening door.
- 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.
- Solid door with opening aids and big sized handle: according the model.
- Security lock on the door with keys.
- Lockable code protection of the control by numerical password.
- Insulation of 60 mm of high density injected polyurethane, 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.

EVF 701/25/AF  
with optional chart recorder  
and 5 drawers

**VENTILATED FORCED-AIR COOLING  
STANDARD LABORATORY FREEZERS  
MODELS EVF UNTIL -25° C**



EVF 1322/25/AF



EVF 982/25/AF/C

**OPTIONAL ACCESSORIES**

- Alarms failures; NiCd battery back-up protected, with battery charger.
- Double or triple layer heated thermal glass door.
- Internal light for solid door models with separate switch.
- Temperature circular chart recorder for 7 days, with independent battery back-up; works even by power failures.
- Indication for door open, with audible and visible alarms.
- Remote control interface with connection RS 485/232.
- Potential free output for remote alarm control.
- USB storage data control system.
- Upper and lower temperature records memory.
- 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.
- Stainless steel wire shelves.

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 322/25/AF/C	EVF 322/25/AF	322	1	Inox*	3	600	1/2	482 x 450 x 1392	600 x 637 x 1981	120/98	0.9
EVF 452/25/AF/C	EVF 452/25/AF	452	1	Inox*	3	650	1/2	582 x 550 x 1262	700 x 707 x 1981	130/115	1.2
EVF 612/25/AF/C	EVF 612/25/AF	612	1	Inox*	4	650	1/2	582 x 687 x 1357	700 x 819 x 2075	130/115	1.4
EVF 701/25/AF/C	EVF 701/25/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 855/25/AF	855	1	Inox*	6	1425	1/2	582 x 687 x 1357	756 x 960 x 2130	170/145	1.6
EVF 982/25/AF/C	EVF 982/25/AF	982	2	Inox*	3+3	1100	3/4	1282 x 550 x 1262	1400 x 707 x 1981	170/145	1.9
EVF 1322/25/AF/C	EVF 1322/25/AF	1322	2	Inox*	4+4	1300	1 1/4	1282 x 687 x 1357	1400 x 819 x 2075	220/190	2.1
EVF 1501/25/AF/C	EVF 1501/25/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.