

## Professional Upright Models

LOW TEMPERATURE FREEZERS



**PROFESSIONAL  
LABORATORY  
VERTICAL LOW  
TEMPERATURE  
FREEZERS**

STATIC MODELS EVF  
UNTIL -45° C

EVF 284/45  
with optional chart recorder



 **EQUITEC**



**PROFESSIONAL LABORATORY VERTICAL  
LOW TEMPERATURE FREEZERS**  
STATIC MODELS EVF UNTIL -45° C

**TECHNICAL SPECIFICATIONS**

- Digital temperature controller with display.
- Temperature range from -35° C to -45° 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.
- Upper and lower temperature memory records.
- Solid door with opening aids and big sized handle.
- Two side opening door, right or at left opening available (pls 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).
- Insulation of 80 mm of high density injected cyclopentane, CFC and HCFC free.
- Evaporator with automatic time controlled defrost system.
- Refrigeration gas R410a, 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.
- 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.
- 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 244/45



**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.
- CO<sub>2</sub> 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 <sup>3</sup>
EVF 110/45	110	1	ABS/Epoxy	3	181	1/5	474 x 443 x 676	600 x 615 x 870	70/55	0.4
EVF 244/45	244	1	ABS/Epoxy	6	150	1/4	440 x 400 x 1410	600 x 600 x 1700	100/80	0.6
EVF 284/45	284	1	ABS/Epoxy	7	150	1/4	440 x 400 x 1550	600 x 600 x 1800	110/90	0.9
EVF 510/45	510	1	ABS/Epoxy	14	123	1/3	607 x 560 x 1510	750 x 750 x 1725	150/120	1.2

# Professional Chest Models

LOW TEMPERATURE FREEZERS



**PROFESSIONAL LABORATORY  
CHEST LOW TEMPERATURE FREEZERS**  
MODELS EHF UNTIL -45° C



EHF 440/45 with optional chart recorder



**PROFESSIONAL LABORATORY  
CHEST LOW TEMPERATURE FREEZERS**  
MODELS EHF UNTIL -45° C



EHF 440/45  
with optional chart recorder

**TECHNICAL SPECIFICATIONS FOR MODELS CHF and CHF 400/40/AF**

- Digital temperature controller with display.
- Temperature range from -35° C to -45° 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, compensators and big sized handle
- Locked main power switch (on/off).
- Lockable code protection of the control system with 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 compressor, built over dampers, low noise < 48 dB.
- Internal inner lining of printed aluminium.
- Surrounding evaporator.
- Internal baskets, of plastic coated steel wire.
- External body of carbon steel, epoxy coated.
- 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 400/40/AF UNTIL -40° 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 -40° C.
- Accuracy of +/- 0,1° C on the display.
- Homogeneity of +/- 1,0° C.
- Stability of +/- 0,5° C.
- Pt100 probe of 0.1° C accuracy of on the display.
- Audible and visible alarms for maximum and minimum temperature, also alarms for probe and power failure; all with battery back-up.



CHF 400/40/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.
- CO<sub>2</sub> 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 <sup>3</sup>
EHF 250/45	250	Al/Epoxy	3	370	1/3	930 x 451 x 646	1132 x 760 x 917	80/100	1.2
EHF 440/45	440	Al/Epoxy	4	370	1/3	1445 x 500 x 646	1650 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 <sup>3</sup>
EHF 400/40/AF	380	Al/Epoxy	optional	400	1/4	1200 x 500 x 646	1647 x 809 x 917	115/130	1.7

Equitec 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 ventilated forced-air laboratory

LOW TEMPERATURE FREEZERS



## VENTILATED FORCED-AIR COOLING LABORATORY FREEZERS

MODELS EVF/AF UNTIL  $-40^{\circ}\text{C}$

EVF 381/40/AF  
with optional  
chart recorder

### TECHNICAL SPECIFICATIONS

- Digital temperature controller with display.
- Temperature range from  $-30^{\circ}\text{C}$  to  $-40^{\circ}\text{C}$ .
- Ventilated air cooling system, distributed uniformly upward, with high homogeneity of the temperature inside the chamber.
- Pt100 probe with  $0.1^{\circ}\text{C}$  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 visual alarms.
- Ventilation stopped by opening door.
- Upper and lower temperature memory records.
- Lockable code protection of the control by numerical password.
- Homogeneity in the chamber of  $\pm 1,5^{\circ}\text{C}$ .
- 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), acc. 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: R410a, 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.

**VENTILATED FORCED-AIR COOLING  
LABORATORY FREEZERS  
MODELS EVF UNTIL -40° C**



EVF 1501/40/AF  
with optional  
chart recorder



EVF 1501/40/AF/C  
with optional  
chart recorder  
and triple layer  
heated glass door



Potential free  
output for  
remote alarm.

Optional:  
Base with 4 castors,  
for easy movement.



**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 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 m <sup>3</sup>
EVF 331/40/AF/C	EVF 331/40/AF	331	1	Inox*	4	380	1/4	370 x 635 x 1372	490 x 725 x 2000	120/98	0.9
EVF 381/40/AF/C	EVF 381/40/AF	381	1	Inox*	3	725	1/2	480 x 500 x 1500	600 x 650 x 2000	120/98	1.0
EVF 501/40/AF/C	EVF 501/40/AF	501	1	Inox*	3	725	5/8	530 x 560 x 1320	650 x 725 x 2040	130/115	1.2
EVF 651/40/AF/C	EVF 651/40/AF	651	1	Inox*	4	500	1/2	840 x 635 x 1372	960 x 725 x 2000	130/115	1.4
EVF 701/40/AF/C	EVF 701/40/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 855/40/AF	855	1	Inox*	6	1425	1/2	582 x 687 x 1357	756 x 960 x 2130	170/145	1.6
EVF 801/40/AF/C	EVF 801/40/AF	800	2	Inox*	3+3	800	3/4	960 x 500 x 1500	1280 x 650 x 2000	170/145	1.9
EVF 1001/40/AF/C	EVF 1001/40/AF	1000	2	Inox*	3+3	800	3/4	1060 x 560 x 1320	1280 x 725 x 2040	170/145	2.1
EVF 1501/40/AF/C	EVF 1501/40/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.