

LABORATORY PROFESSIONAL VERTICAL ULTRA LOW FREEZERS MODELS CVF UNTIL -86° C

TECHNICAL SPECIFICATIONS

- Temperature control range from -86° C to -40° C
- Digital temperature control unit with digital display, placed at visible level on 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 alarms for power failure
- Alarms indications with battery back up: door open, battery empty, 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 7 days memory
- Display for 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
- Main power switch, key protected

OPTIONAL ACCESSORIES FOR ALL -86°C FREEZERS

- Temperature circular chart recorder 7 days, main powered with independent battery back-up (replacing the printer)
- Secondary alarm system, independent of 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
- Data loggers
- Port holes



-86°

CVF 525/ with chart recorder

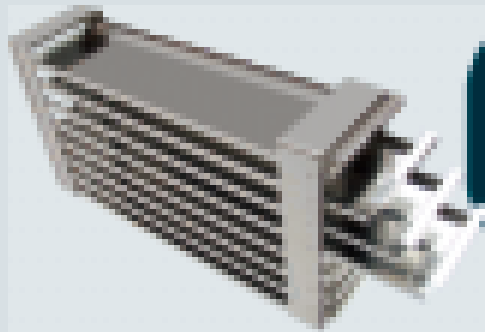
Models	Capacity in Litres	Isolation in mm	N° of internal doors	N° of shelves	Power in W	Compressors HP	Internal Dimen. (mm) wide x depth x high	External Dimen. (mm) wide x depth x high	Weight/Pack net/gross	Vol/pack m ³
CVF 220/86	220	155	2	1	1300	1,3	470 x 570 x 750	850 x 940 x 1599	200/230	1,6
CVF 330/86	330	155	4	3	1500	1,4	470 x 570 x 1200	850 x 940 x 2020	250/290	2,2
CVF 525/86	525	110	4	3	1800	1,5	600 x 650 x 1345	850 x 940 x 2020	280/320	2,2
CVF 800/86	800	110	3	2	3200	3,2	930 x 686 x 1308	1230 x 996 x 2060	420/480	3,1

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

TECHNICAL SPECIFICATIONS

- Solid door with opening aids, easy to open, with independent lock and keys
- Isolation of 155 mm of high density injected polyurethane, CFC and HCFC free, for models: CVF 330/86 and CVF 220/86. For models CVF 525/86 and CVF 800/86: 110 mm Vacuum Formed High Density Polyurethane (VIP), CFC and HCFC free
- Cooling gases, CFC and HCFC free, biodegradables
- Surrounding evaporator system
- Hermetic compressors built on cascade serial construction, low noise, mounted over dampers in order to avoid the sound level <48 dB
- Air filter placed on the front, easy to take out and clean
- Double heated perimeter gasket on the door, to ensure ice free and a perfect airtight closing
- Heated pressure compensation valve, allow easy opening of the door by frequent door openings
- Internal chamber of stainless steel
- Round corners for easy cleaning
- Free height regulated stainless steel shelves
- Individual inner service doors, allow the access to each shelf, to avoid cool losing in case of frequent door openings
- External body of carbon steel, epoxy coated
- Base with 4 wheels, for easy movement
- Tropical treatment, to allow work until +32° C working area temperature, with 85-90% R.H.

CVF 220/86



-86°

Optional inventory storage racking system

Ref. of the rack	For model	Number of racks made of stainless steel	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*
400 321	CVF 220/86	6	144	96	72
400 322	CVF 330/86	15	252	156	120
400 323	CVF 525/86	21	368	240	192
400 324	CVF 800/86	30	552	360	240
400 325	CVF 110/86**	6	81	54	36

* For boxes 136 x 136 and 133 x 133 mm

** See page 7

	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

Not included the internal dividers, on request

