



- Deep Freezers are designed for storage of biological samples in biotech, life science, clinical research as well as medical & pharmaceutical specimens, serums, vaccines, blood components.
- Double walled construction, having Stainless Steel - 304 grade Interior & Exterior CRCA Steel with Powder Coat finish.
- Inner made of Stainless Steel - 304/316 grade and Exterior of Stainless Steel - 304 grade in GMP Model.
- Cooling element is embedded from outer side of the working chamber.
- Units are highly insulated by PUF (Polyurethane Foam) between the walls with 100% vapour barrier.
- A key locking door having magnetic gasket seals door gaps perfectly.
- Full length inner plexi-glass to avoid the temperature loss.
- High Efficiency CFC Free Cooling system includes hermetically sealed Emerson Copland make compressor coupled utilizing an CFC Free eco-friendly refrigerant & with air cooled condensing unit fitted with Motor, Fan Blade, Electrical Accessories etc. Mounted on bottom of the unit on heavy base frame.
- Temperature controlled by Dual Display Microprocessor based PID Temp. Controller with & PT – 100 sensor.
- Temperature Range: Upto -20° C & Upto -35° C.
- Temperature Accuracy:  $\pm 2^\circ\text{C}$  to  $3^\circ\text{C}$ .
- Temperature Uniformity :  $\pm 2^\circ\text{C}$  or better.
- Castor wheels for easy mobility.
- Operates on 230 Volts AC Single phase 50 Hz.

MODEL		WORKING SPACE (W X D X H)	CAPACITY
VERTICAL	LVDF- 1 S/G	45 X 40 X 60 CM	100 LTRS
	LVDF- 2 S/G	50 X 43 X 85 CM	170 LTRS
	LVDF- 3 S/G	60 X 55 X 90 CM	265 LTRS
	LVDF- 4 S/G	70 X 65 X 95 CM	425 LTRS
	LVDF-5 S/G	78 x 50 X 167 CM	650 LTRS
HORIZONTAL	LHDF- 1 S/G	60 X 40 X 45 CM	100 LTRS
	LHDF- 2 S/G	60 X 40 X 70 CM	170 LTRS
	LHDF- 3 S/G	95 X 40 X 70 CM	265 LTRS
	LHDF- 4 S/G	110 X 50 X 78 CM	425 LTRS
	LHDF-5 S/G	167 X 50 X 78 CM	650 LTRS

## SAFETY FEATURES

A. Inbuilt Overload protection relay for compressor.

B. Compressor ON delay timer, to safe guard the compressor.

N.B. :- 40° C and above ultra deep freezer models are also available with Cascade cooling system having CFC free compressor utilizing eco-friendly refrigerants with air cooled condenser, motor and relay.