



Althea Solutions Pvt. Ltd.

DEEP FREEZER (VERTICAL & HORIZONTAL)



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PRODUCT FEATURES :

- 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°C .
- Temperature Uniformity: $\pm 2\text{ C}$ or better.
- Castor wheels for easy mobility.
- Operates on 230 Volts AC Single phase 50 Hz.



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TECHNICAL SPECIFICATION :

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