

Deep Biomedical Freezer -40°C

Deep Biomedical freezer -40 deg. C. provides most ideal environment for safe storage of blood plasma, proteins, nucleic acid (DNA/RNA) viruses, material testing etc. Due to continuous Technical improvement, it maintains excellent temperature Uniformity throughout the cabinet with low power consumption at ambient temperature of 25 C. result in lower operating cost. Microprocessor based ATL µP 404 control system with display resolution to 1.0 C. ensures batter temperature accuracy and eco friendly CFC-free and robust refrigeration system with auto voltage transformer for safety against voltage fluctuations. increases reliability and performance.

<<PLUS POINTS>>

Cabinet Construction:

- Exterior power coated CRC body and interior cabinet from polished stainless steel (AISI-304) with rounded corner for easy cleaning.
- High density CFC-Free polyurethane insulation with standard thickness of 4".
- 5 drawers with individual freezer circuit for each of the drawer.
- Keyed latch handle for dooe locking to avoid unauthorized access and castors for easy mobility
- Double gasket seal in door and hot gas pass through system to avoid water condensation around the door liner
- High density PUF insulated Solid door and inner insulated sub lids to minimize temperature loss.
- 4 Heavy duty adjustable castor wheel.
- Noice level : 60dBa in ambient conditions.

Refrigeration unit:

- Hermetic, air cooled, power saver, CFC-Free single stage refrigeration system.
- Non flammable "Eco friendly" CFC-free refrigerant R-404a.

Temperature Controlling System:

- Power ON/OFF switch.
- Microprocessor based µP 404 Control System.
- Digital LED indication for actual cabinet temperature.
- RTD PT-100 (Class-A) sensor for accurate temperature measurement.
- Temperature display resolution 1.0 deg. C.

Indications and Alarming:

Description	LED Indications	Alarming
High temperature	Yes	Yes
Low temperature	Yes	Yes
Door open	Yes	Yes
Sensor failure	Yes	-
Compressor ON.	Yes	-

Technical Specifications.

Model No.	Capacity Cu. Ft./Liters	Interior Dimensions (WxDxH) Inches	Overall Dimensions (WxDxH) Inches
ADF-340	3.9/110	15 x 15 x 30	23 x 26 x 53
ADF-1040	11.1/315	22 x 23 x 38	30 x 34 x 63
ADF-1840	18.0/511	26 x 25 x 48	34 x 36 x 75
ADF-2140	21.0/596	28 x 27 x 48	36 x 38 x 75
ADF-2540*	25.1/712	31 x 27 x 52	39 x 38 x 79

*Higher capacity models can be made available upon request.

Temperature Range: - 10 C. To - 40 C. Electrical Supply: 220 V, 1 φ, 50 Hz.

Note: For better and trouble free performance ambient temperature should be + 25 C.



ADF-1840

Optional Accessories:

- Ink / Ink Less circular 7 days temperature chart recorder.
- Single channel temperature data logger with software.
- Servo controlled voltage stabilizer.

Regulatory compliances



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