

Deep Freezer ADF-2100



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

ADF Low Temperature Freezer - 40° C. Provides most ideal environment for safe storage of blood plasma, proteins, nucleic acid (DNA/RNA) viruses, material testing etc. Upright deep freezer having to hold 400 plasma bags of 250ml capacity each. Due to continuous technical improvement, it maintains excellent temperature uniformity throughout the cabinet with low power consumption at ambient temperature of +32 °C. result in lower operating cost. Microprocessor based ADF µP 404 Control System with display resolution to 1.0 °C. ensures better temperature accuracy and ecofriendly CFC-free and robust refrigeration system with auto voltage transformer for safety against voltage fluctuations, increases reliability and performance.

Capacity: 432 Liters.

▶▶ **Cabinet Construction:**

- Exterior powder coated CRC body and interior cabinet from polished stainless steel (SS-304) with rounded corner for easy cleaning.
- High density CFC-Free polyurethane insulation with standard thickness of 4”.
- Keyed latch handle for door 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.

▶▶ **Refrigeration Unit:**

- Hermetic, air cooled, power saver, CFC-Free single stage refrigeration system.
- Nonflammable “Eco friendly” CFC-Free refrigerant R-404a

▶▶ Temperature Controlling System:

- Power ON/OFF switch.
- Microprocessor based P 404 Control System.
- Temperature display resolution 1 / 0.1 deg. C.
- RTD PT-100 (Class-A) sensor for accurate temperature measurement.
- Dry contacts for remote alarming.
- Inbuilt circular seven days temperature chart recorder.
- Inbuilt auto voltage transformer for protection against voltage fluctuation.
- Operating at 230V ±10V, 50 Hz
- Cooling down time: +25 deg C takes a maximum of five hours for all the pack to reach -40 deg C.
- Hold over time: -40 deg C takes four hours to rise above -10 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	-

▶▶ **Regulatory compliances**



▶▶ **Corporate Social Responsibility**

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▶▶ **Reach us @**



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