

DEEP FREEZER (-86°C)



Digital Temperature Display
4.3"/7.1 Touch Screen Display for viewing the temperature, alarms and previous week records.

Lifetime Comfortable Access

Full length handle for easy access from all heights.

Key locking system

High quality locks for locking the door from unauthorized access



Refrigeration

High efficiency cooling fans and Low-noise compressors, Noise level 50dB



USB Interface

Enables users to download historical temperature data for compliance/auditing purposes

Powder Coated

Powder Coating for Scratch and Corrosion Resistance

Door Hinge

heavy duty door hinge

Ventilation Slits

Proper ventilation for the equipment to keep cool

pre-filters

Easy access to removable and washable air filter enables resulting in better performance

Lockable Castor wheels

Heavy duty lockable Castor wheels for locking the equipment in place

Model Available:-X1/X2 UDF 100, 200, 300, 400, 500, 600, 700, 800

Technical Features

Our deep freezers offer extreme operating efficiency with an impressive temperature range of **-50°C to -86°C**, maintaining a precise **±0.5°C** accuracy at **-80°C**. Featuring a **microprocessor-based eye-level positioning controller** and a **4.3/7.1" LCD touch screen**, users can easily monitor critical parameters such as temperature, door status, and compressor activity. Built with a durable **AISI 304-grade stainless steel interior** and **non-corrosive CRCA/HDGI sheet metal exterior**, these freezers are designed for harsh environments. They incorporate **up to 155mm of Polyurethane/VIP Foam insulation** and a **triple-layered silicon gasket-sealed door** to prevent cold loss. Security features include a **key lock, padlock provision**, and optional **RFID/fingerprint access**. Equipped with a **dual compressor cascade system**, they are **CFC and HCFC-free**, environmentally friendly, and operate at a minimal **50 dB noise level**. The **inkless, paperless digital circular graphical chart recorder** ensures accurate data tracking, while **visual and audible alerts** notify users of door status, power failures, and temperature deviations. Additional features like **heavy-duty lockable castor wheels, SMS alerts, and central monitoring ports** enhance usability and flexibility. These freezers operate on **220V to 240V, 50Hz, single-phase A.C.** for adaptable power requirements.