



Compliance standards:

EN ISO 10545-12, ASTM C1026, IS 13630 (Part-10) (amended in 2019)

Salient features:

- Suitable for tile size up to 500 X 500 mm
- This deep freezer is designed to match the IS : 13630 (part 10) and EN ISO 10545-12
- Capable to conduct automated freeze-thaw cycles automatically
- Capable to reduce temperature from 5°C to (-5°C) within the permissible limit of 0.5 °C and capable to maintain the temperature @ (-5 °C) for 15 mins automatically. After that it has facility to reach (+5 °C) rapidly. This is the completion of one freeze-thaw cycle.
- Capable to conduct the pre-decided freeze-thaw cycles (100 cycles as per BIS 13630)
- Fully automatic touch screen PLC - HMI based programming
- CFC free refrigeration system
- Heavy duty castor wheels for easy movement
- Fin & Tube type air-cooled condenser
- Double Gasket system for leak-proof design
- Heavy duty hinges with toggle type
- Auto **removal** of water as soon as temperature reaches to 5 °C, while operating in freezing cycle.
- Auto **insertion** of water as soon as temperature reaches to 5 °C, while operating in thawing cycle.

Technical Specification

Exterior body	: Mild steel
Inner Chamber	: Duly Polished 304 Grade Stainless Steel inner chamber
Paint	: Powder coating in attractive shades
Insulation	: Polyurethane Insulation (PUF)
Temperature Control	: Microprocess based PID Digital temperature controller cum indicator
Temperature sensor	: PT - 100 sensor
Temperature Accuracy	: ± 0.5 °C
Temperature Range	: (-20 °C) to (+20 °C)
Temperature Resolution	: 0.1 °C
Mobility	: On castor wheels
Refrigeration System	: EMERSON/DANFOSS Make, CFC Free system

Note: Specifications are subject to change.