



## DETERMINATION OF FROST RESISTANCE-(BIS 13630-10, EN ISO 10545-12)

### Compliance standards:

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

### Salient features:

1. Suitable for tile size up **500 X 500 mm**
2. Designed to match the **IS : 13630 (part 10) and EN ISO 10545-12**
3. Capable to conduct automated freeze thaw cycle automatically
4. 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.
5. Capable to conduct the pre decided freeze-thaw cycles(**100 cycle as per BIS 13630**)
6. **Fully automatic touch screen PLC - HMI based programming**
7. CFC free refrigeration system
8. Heavy duty Castor wheels for easy movement
9. Fin & Tube type air-cooled condenser
10. Double Gasket system for leak proof Design
11. Heavy duty hinges with toggle type
12. **Auto removal of water as soon as temperature reaches to 5 °C, while operating in freezing cycle.**
13. **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

#### Corporate Office:

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Near Gujarat College, Ellisbridge,  
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GST TIN No. : 24AABCE4018L1ZU  
I.T. PAN No. : AABCE 4018L  
IEC No. : 0813026598 Dt. 04/03/2014  
CIN No. : U29199GJ2004PTC045078  
TAN No. : AHME00572F



- Temperature sensor : PT - 100 sensor
- Temperature Accuracy :  $\pm 0.5$  °C
- Temperature Range : (-5 °C) to (+5 °C)
- Temperature Resolution : 0.1 °C
- Mobility : On castor wheels
- Refrigeration System : EMERSON/DANFOSS Make, CFC Free system

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