

ULTRA LOW FREEZER

Range: -40°C to -86°C

M-Series

T-Series

S-Series



M-Series

General Features

Temperature range of Ultra Low Freezer from -40°C to -86°C with micro controller based temperature controller includes digital temperature display of set value and process value Ultra Low Freezer.

Cabinet Construction

- 1.The cabinet of MEDITECH Ultra Low Freezer is insulated with high density CFC free Poly Urethane Foam 120 mm thick insulation.
- 2.Interior chamber of Ultra Low Freezer is finished resistant stainless Steel (304, 0.8 mm thick).
- 3.The exterior is Sky Blue/white Pure Polyester powder coated (1.0 mm thick) Mild Steel and the door has a magnetic gasket with a keyed lock.
- 4.Stainless steel trays are provided for storage inside Ultra Low Freezer.
5. The Ultra Low Freezer are provided with handle and lock for safety and security.



Refrigeration

1. Ultra Low Freezer has Heavy-duty, air-cooled refrigeration system
2. Non-CFC, commercially available refrigerant is used in Ultra Low Freezer

Temp Controller

Micro processor based temperature control with accuracy of $\pm 0.1^{\circ}\text{C}$ Ultra Low Freezer

Audio Visual Alarm Ultra Low Freezer

1. Audio Visual Alarm when the door is opened
2. Audio Visual Alarm when temperature deviates from preset temperature

Chart Recorder

7 days circular Chart recorder is provided Ultra Low Freezer

T-Series

Ultra Low Freezer Touch Screen Series with PLC

Cabinet Construction

Ultra Low Freezer As same as provided in M-Series

Refrigeration:

Ultra Low Freezer as same as provided in M-Series

Audio Visual Alarm

1. Audio Visual Alarm when the door is opened
2. Audio Visual Alarm when temperature deviates from preset temperature

Temp Controller

Micro processor based temperature control with accuracy of $\pm 0.1^{\circ}\text{C}$

Chart Recorder:

7 days circular Chart recorder is provided





Special Features of Ultra Low Freezer

1. Ultra Low Freezer has 7 inch touch screen with display of set and process value
2. Precise control of temperature by using micro controller based temperature controller.
3. Multiple language can be displayed on screen including English in Ultra Low Freezer
4. Integrated digital temperature cum controller with inbuilt 7 days circular chart recorder with battery back up of 3-4 hours to ensure display & recording of temperature even during power failures on touch screen Ultra Low Freezer.
5. Integrated data management system with storage efficiency of temperature records up to 1000 readings & facility to transfer data through pen drive to PC.
6. large 7" touch display with facility to see current and last 24 hours temperature recording, High & Low alarm points with date & time recording, power resumption / failure data
7. With backup power supply of control unit in case of electrical failure Ultra Low Freezer
8. Audiovisual alarm if the temperature deviates from the set temperature.
9. Display of set value and process value.
10. Refrigeration system with CFC free compressors and ECO friendly refrigeration systems with time delay.
11. Castor wheels for ease of mobility of Ultra Low Freezer.
12. Door with heating element for inhibiting frost build up.
13. Printing Option : Supports following Dot matrix serial printers :
EPSON,SAMSUNG,TVS

S-Series

Ultra Low Freezer -Touch Screen Series with PLC and SCADA

Cabinet Construction

Ultra Low Freezer same as provided in M-Series

Refrigeration:

As same as provided in M-Series

Audio Visual Alarm

1. Audio Visual Alarm when the door is opened
2. Audio Visual Alarm when temperature deviates from preset temperature

Temp Controller

Micro processor based temperature control with accuracy of $\pm 0.1^{\circ}\text{C}$



Chart Recorder:

7 days circular Chart recorder is provided



Special Features

1. Ultra Low Freezer **All Special Features of T-series are included Along with**
2. **SCADA system** connected through a remote alarm system, to a central monitoring systems.

Model Number will remain same for M-Series, W-Series, T-Series and S-Series.
Kindly mention series while ordering. Ultra Low Freezer

Model	Capacity	Temperature Range	Inner Size (w x h x d) (inches)	Outer Size (w x h x d) (inches)	Volume (litres)	No. trays	Voltage
MTDF02	150 litres	(-10°C to -40°C)	20 x 20 x 22	24 x 41 x 27	150	3	230/110 Volts , 50 Hz
MTDF03	260 litres	(-10°C to -40°C)	20 x 36 x 22	24x 57 x 27	260	5	230/110 Volts , 50 Hz
MTDF04	380 litres	(-10°C to -40°C)	24 x 42 x 23	28 x 63 x 34	380	4	230/110 Volts , 50 Hz
MTDF05	435 litres	(-10°C to -40°C)	24 x 48 x 23	28x 69 x 34	435	7	230/110 Volts , 50 Hz
MTDF06	550 litres	(-10°C to -40°C)	24 x 61 x 23	28 x 82 x 28	550	9	230/110 Volts , 50 Hz
MTUD01	150 litres	(-40°C to -86°C)	20 x 20 x 22	24 x 41 x 27	150	3	230/110 Volts , 50 Hz
MTUD02	260 litres	(-40°C to -86°C)	20 x 36 x 22	24x 57 x 27	260	5	230/110 Volts , 50 Hz
MTUD03	380 litres	(-40°C to -86°C)	24 x 42 x 23	28 x 63 x 34	380	4	230/110 Volts , 50 Hz
MTUD04	435 litres	(-40°C to -86°C)	24 x 48 x 23	28x 69 x 34	435	7	230/110 Volts , 50 Hz

1. Meditech can manufacture freezers according to customer Specifications and size
2. Full SS Body with life time warranty available on customer demand