

ÚLTRA 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 Polyster 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.



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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 ± 0.1 °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 ±0.1°C

Chart Recorder:

7 days circular Chart recorder is provided



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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 ±0.1°C



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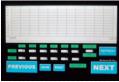
Chart Recorder:

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

			Inner Size (w x h x d)	Outer Size (w x h x d)	Volume	No.	
Model	Capacity	Temperature Range	(inches)	(inches)	(litres)	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
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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

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