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*preserving life*

**Plasma Freezer -40°C**



## **-40°C Low Temperature Freezer Chest Freezer TI-DF-40-C360**

### **Features**

- •High efficiency Refrigeration system
- •Two-layer heat insulating foamed door
- •High-precision Temperature control system
- •Human-oriented Design
- •Large-area finned condenser for heat dissipation







## Features

- The digital temperature display can show various parameters simultaneously, such as temperature inside the cabinet, power voltage and environmental temperature, indicating operating status clearly
- The high-precision microcomputer temperature control system and platinum resistor temperature sensors enable users to set temperature inside the cabinet within a range from -20°C to -40°C
- The compressor supplied by an international famous brand and EBM fan is powerful, energy-saving and highly efficient
- The large-area finned condenser is characterized by a space equal to or less than 2mm between fins, providing a large area for heat dissipation and satisfactory performance
- The two-layer heat insulating foamed door with airbag-typed outer seal and the insulation design of the outer door system with multiple patents can prevent loss of refrigerating capacity in an effective way
- The six sides of the cabinet are made from high-performance vacuum insulation material, improving thermal insulation performance to a large extent
- The well-developed alarm system has multiple alarm functions: high temperature/low temperature alarm, power failure alarm, sensor failure alarm, low battery alarm, of poor heat dissipation of condenser, system failure alarm, etc.
- The turn-on delay and stopping interval protection function can ensure reliability in running
- The keyboard lock function and password protection function can prevent any adjustment of operating parameters without permission
- The rotating handle facilitates door opening
- The adjustable layered structure is convenient for storage of various things
- The liner made from stainless steel for medical use is low- temperature tolerant and corrosion-resistant, which has a long service life and is easy to clean.





## Overview

-40°C ultra low temperature chest freezer laboratory freezer is equipped with high-quality refrigeration system for fast cooling. The high-precision temperature control system can display various parameters simultaneously, including power voltage, temperature inside the cabinet and environmental temperature, which can indicate the operation status clearly. And you are free to set the temperature inside the cabinet in the range of -20°C to -40°C. The two-layer heat insulation foamed door with airbag-typed outer steal can prevent loss of refrigerating capacity in an effective way. The liner is made of stainless steel, which is safe for medical use.

### High-efficiency Refrigeration System

Freon-free refrigerant, compressor supplied by an international famous brand and EBM fan can guarantee fast cooling and are energy-saving and environmentally friendly. Refrigerating circuit with proprietary intellectual property rights ensures high efficiency and stability. Two-layer heat insulating foamed door and the insulation design of the outer door system with multiple patents can prevent loss of refrigerating capacity in an effective way.

Six sides of the cabinet are made from high-performance vacuum insulation material, improving thermal insulation performance to a large extent.

### High-precision Temperature Control

High-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control.

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### Human-oriented

High-quality steel plate structure with phosphate coating, stainless steel liner and low noise design can create a comfortable environment.

<b>Model</b>	<b>TI-DF-40-C360</b>
Cabinet type	Chest
Capacity(L)	360
Internal size(W*D*H)mm	1308*465*651
External size(W*D*H)mm	1534*775*929
Package size(W*D*H)mm	1635*812*975
NW/GW(Kgs)	98/153(wood packing)
<b>Performance</b>	
Temperature range	-20 ~ -40°C
Ambient temperature	16-32°C
Cooling performance	-40°C
Climate class	N
Controller	Microprocessor
Display	Digital display
<b>Refrigeration</b>	
Compressor	1pc
Cooling method	Direct cooling
Defrost mode	Manual
Refrigerant	R290
Insulation thickness(mm)	L/R:110, B:110

<b>Construction</b>	
External material	Cold rolled steel
Inner material	Stainless steel
Coated hanging basket	1
Door lock with key	Yes
Access port	1pc. Ø 25 mm
Casters	6(2 casters with brake)
Backup battery	Yes
<b>Alarm</b>	
Temperature	High/Low temperature
Electrical	Power failure, Low battery
System	Sensor failure