

## Medical/ Vaccine Refrigerator



ST-MD 120  
ST-MD 170  
ST-MD 210



ST-MD 280  
ST-MD 300  
ST-MD 340



ST-MD 400  
ST-MD 560  
ST-MD 600



ST-MD 800



ST-MD 1200

- The Medicine/Vaccine Refrigerator is the specific medicine cold-storage equipment. It can be also used for storing reagent, vaccine, biological product, etc. It is especially for hospital, pharmacy, pharmaceutical factory, epidemic station, blood bank station, health center and laboratory.
- **Precise temperature control system**  
The high-accuracy microcomputer-controlled temperature system maintains the temperature constancy at 2~8°C precisely. The temperature set-value can be adjusted from 0°C~14°C, and the temperature display precision is 0.1°C, the resolution is 0.1°C and the adjusting increment is 0.1°C. The value is to be displayed through three-digit high-brightness figure. The system has special high-resolution temperature calibrating function. That means the set-value figure can be displayed and calibrated at 0~14°C. The calibrating increment is 0.1°C. The forced cold-air circulation system ensure the temperature uniformity inside the chamber.

## Medical/ Vaccine Refrigerator

### ● Control System

Keyboard lock, password protection function, to prevent unauthorized adjustment of the operating parameter; setting of the alarm temperature range. 7 system failure alarms (high temperature alarm, low temperature alarm, sensors failure alarm, door-opening alarm, electricity failure alarm, low back-up battery alarm, low voltage alarm). Standard alarm for high/low temperature and sensor failure. Code display of the failure position (some machines have all these seven alarms); The starting delay function due to self-checking and the interval protection function between temporary stop and start will ensure the reliable operation; The system can record the condition of the maximum and the minimum temperature inside the box automatically without recording paper. With the specially designed function, the system can operate under the state of sensor failure or the state of numerical disturbance safely and automatically. The operating parameter display function can ensure that the system is under supervision by operator and with security and stability. Equipped with remote alarm interface, The built-in lithium battery support the display of the chamber temperature and the alarm system for 72 hours after electricity failure.

### ● Optional items :

The EPS emergency supply is available, The DC24V-AC220V inverter is adoptable, and the DC24V power supply can keep the refrigerator under normal operation.

### ● Refrigeration system

Germany DANFOSS high-performance compressor;  
Original binding "Bi-Sonic" double fan strongly against the low temperature and moisture;  
Germany "EBM" heat elimination fan;  
Japanese Matsushita vaporizer (cooling pipeline inside the box);  
Fluoride-free refrigeration system for environmental protection.

### ● Construction

High quality adjustable plastic coated steel wire shelves.  
The large-screen design is easy for observation.  
Safety door lock.  
Wide voltage band for 187 — 242V voltage.  
The refrigerator body is made of high-quality structural steel plate, which is treated with advanced phosphate rust-proof spray coating.  
Double transparent insulation glazed door, filled with inert gas.  
The power saving lamps inside the freezer  
Internal made of ABS (Optional stainless steel available)

### Specification of Medical/Vaccine Refrigerator

Model	Capacity	Voltage	Input Power	Shelf	Temperature °C	Dimension (W x D x H) mm	Weight
ST-MD-120	120 L	220V/ 50 Hz	150 W	4	2 ~ 8°C	500 x 500 x 1200	50 kg
ST-MD-170	170 L	220V/ 50 Hz	180 W	5	2 ~ 8°C	530 x 530 x 1420	55 kg
ST-MD-210	210 L	220V/ 50 Hz	200 W	5	2 ~ 8°C	530 x 530 x 1580	60 kg
ST-MD-280	280 L	220V/ 50 Hz	260 W	6	2 ~ 8°C	600 x 500 x 1680	80 kg
ST-MD-300	300 L	220V/ 50 Hz	260 W	6	2 ~ 8°C	600 x 520 x 1700	85 kg
ST-MD-340	340 L	220V/ 50 Hz	280 W	6	2 ~ 8°C	600 x 580 x 1780	90 kg
ST-MD-400	400 L	220V/ 50 Hz	300 W	5	2 ~ 8°C	890 x 530 x 1680	130 kg
ST-MD-560	560 L	220V/ 50 Hz	400 W	5	2 ~ 8°C	1190 x 580 x 1780	150 kg
ST-MD-600	600 L	220V/ 50 Hz	450 W	5	2 ~ 8°C	1190 x 580 x 1800	150 kg
ST-MD-800	800 L	220V/ 50 Hz	550 W	5	2 ~ 8°C	1430 x 628 x 1880	180 kg
ST-MD-1200	1200 L	220V/ 50 Hz	800 W	5	2 ~ 8°C	1900 x 628 x 2000	220 kg