



## SNAIGÉ MAX line PHARMACEUTICAL REFRIGERATORS ENSURING OPTIMAL MEDICATION STORAGE

### Certified DIN 13277

MAX line refrigerators have all the essential features and performance functions required to meet the performance criteria of the DIN 13277 standard. This standard provides the requirements and test specifications for medical and laboratory refrigerators and freezers.

### Test method EN 60068-3

SNAIGÉ medical refrigerators are tested according to EN 60068-3 in order to ensure the stability and constancy of the internal temperature. The test method involves measuring the temperature at 15 different points inside the refrigerator.

### Ecological and environmentally friendly

MAX line refrigerators are manufactured using only non-harmful, non-ozone-depleting and non-greenhouse-effect refrigerating and insulating materials. Natural resource-saving materials and electricity from renewable energy sources are used in the refrigerator manufacturing process.

## MD40DD-P301SEQ / MD40DD-P600SEQ

### MAX line Pharmacy refrigerator



MD40DD-P600SEQ

MD40DD-P301SEQ

## KEY FEATURES

### Temperature stability



The refrigerator is designed to maintain maximum stable temperature and minimal fluctuations. The maximum possible temperature change within the entire internal space of the refrigerator is only  $\pm 2.9^{\circ}\text{C}$ . Thus, the internal microclimate is maintained, creating suitable conditions for the storage of medications and medicines.

### +2 °C temperature limit



If the temperature drops below  $+2^{\circ}\text{C}$  for some critical reasons, the electronic controller immediately activates additional temperature maintenance functions along with a warning signal in order to protect the temperature-sensitive medicines and medications stored in the refrigerator.

### Integrated data logger



The memory of the MD40DD-P\*0\*SEQ electronic controller stores the last 100 alarm records with the date and duration of the alarm, as well as the temperature measurement summary with the measurement date and time. These saved data can be transferred to a USB storage device.

### Warning of electricity supply failure



In the event of the electricity supply failing, the battery of the MD40DD-P\*0\*SEQ provides sufficient energy for the registration of temperature readings and the operation of the warning signal (audio and visual) for the next 12 hours.



## KEY FEATURES

### Warning temperature alarm



In order to ensure the maximum safety of stored medicines and medications, the integrated warning temperature alarm sends a warning signal with sound and image when a certain temperature value exceeds or falls below the set limit.

### Warning register



Warning signals must be monitored to ensure the stored medicines or medications retain their quality and integrity. Important data are recorded in the register: date of warning, duration, highest temperature. The memory of the MD40DD-P\*0\*SEQ electronic controller stores the last 100 warning records.

### LAN interface



SNAIGÉ medical refrigerators can be connected to a LAN network (using external systems) through the integrated LAN interface RS485. It is convenient to monitor, control and digitally document the temperature of medicines stored in the refrigerator.

### Access to an additional external sensor



An additional external sensor can be attached if required for additional control of the temperature of medication storage in the refrigerator. SNAIGÉ medical refrigerators are equipped with a 12.5 mm diameter access for an additional external sensor, which helps avoid any negative effect of the cables of the external sensor on the sealing strip of the door, the tightness of the refrigerator and the risk to the personnel caused by the cables of the sensor.

### Protection against contact with cold surfaces



The evaporator of the refrigerator has a special cover so that medications and medicines do not have direct contact with the evaporator and do not get cold. In addition, this protection against contact with cold surfaces increases the temperature stability.

### Cooling system with circulating air



The SNAIGÉ smart fan for pharmacy refrigerators operates very efficiently. It turns off as soon as the refrigerator door is opened, so the air circulation in the refrigerator stops. Once the door is closed, the fan starts again and the air circulation is resumed. This fan operation prevents rapid temperature changes and helps to maintain a stable temperature inside the refrigerator, contributing to the preservation of medicines and medications.

### Calibration block

Calibration is necessary so that both the internal air temperature measured and recorded by the electronic controller and the temperature of the medical products stored in the refrigerator match each other as closely as possible.

### Self-closing door



The door of the SNAIGÉ medical refrigerator closes automatically, without any risk of the door bouncing. This ensures convenience and safety for medical personnel in their daily use of the refrigerator, and also completely eliminates the risk of the refrigerator door being accidentally left open. The self-closing door contributes to maintaining a stable temperature, as well as supporting the integrity of stored medicines and medications.

## TECHNICAL DATA

Model code	MD40DD-P301SEQ MXXXXX1SN4B		MD40DD-P600SEQ MXXXXX1SN4B	
EAN code	4770104040092		4770104040054	
Gross capacity, l	385			
Net capacity, l	290			
Factory temperature setting, °C	+5			
Fluctuation, °C	0,5			
Gradient, °C	2,9			
Increase in temperature from +5 °C to +10 °C (empty, +25 °C TU)	40 min.			
Decrease in temperature from +25 °C to +5 °C (empty, +25 °C TU)	40 min.			
Recovery time after 1 min of door opening (empty, +25 °C TU, according to EN 60068-3)	8 min		6 min	
Positive temperature deviation from the setpoint	1,3 °C			
Negative temperature deviation from the setpoint	-1,1 °C			
Ambient temperature range, °C	from +10 to +35			
Airborne acoustical noise emissions, dB(A) re1 pW	50			
Refrigerant	R600a			
Daily consumption, kWh/24h	1,903		1,440	
Annual energy consumption, kWh/year	695		525	
Rated voltage, V / Rated frequency, Hz	220 – 240 / 50			
Cord length in cm /Type	240 / Euro plug			
Access port diameter, mm	12,5			
Calibration block	Yes			
Defrost	Automatic			
Volt-free alarm contact	Yes			
Interior light	Ceiling LED light			
Number of shelves	5 adjustable +1 bottom			
Shelf size (W x D), mm	380 x 495, bottom 445 x 180			
Maximum load per shelf, kg	40			
Shelf material	Wire shelves coated by white polymer paint			
Side wall material	Steel, white painted			
Inner cabinet material	HIPS polystyrene			
Type of door	Double panel selective glass in aluminum profile		Full-panel door, white painted	
Reversible door / Self closing door	Yes / Yes			
Replaceable door sealing strip	Yes			
Type of lock	Mechanical			
Adjustable foot at the front	2			
Wheels behind	2			
External dimensions(H x W x D), mm	2025 x 600 x 620			
Internal dimensions(H x W x D), mm	1645 x 500 x 418			
Package dimensions*(H x W x D), mm	2080 x 620 x 630			
Weight Net / Gross*, kg	80,5 / 86			
* Without packing on pallet				

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