



## SNAIGÉ MAX PLUS line PHARMACEUTICAL REFRIGERATORS ENSURING OPTIMAL MEDICATION STORAGE

### Comply with DIN 13277

MAX PLUS 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 PLUS 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-P3B1BeQ / MD40DD-P6B1BEQ

### MAX PLUS line Pharmacy refrigerator



### KEY FEATURES



#### Contactless control and register of temperature data and warnings

The CONTROLLA app makes it possible to connect to the refrigerator controller via a contactless network using. This app also enables control over the refrigerator, while the user can download temperature reports and view alert history. The temperature in the refrigerator controller is recorded every 20 minutes.



#### 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  $\pm 1.8$  °C. Thus, the internal microclimate is maintained, creating suitable conditions for the storage of medications and medicines.



#### Cooling system with circulating air

The SNAIGÉ smart fan for medical 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.



#### 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.

MD40DD-P3B1BEQ



## KEY FEATURES



### Integrated data logger

The memory of the SNAIGÉ pharmaceutical refrigerator electronic controller stores the last five alarm records (with alarm date and duration) and a 6-month temperature measurement summary (with measurement date and time) are stored in the memory of the MD40DD-P301BEQ electronic controller. These data stored in the controller's memory can be downloaded to the e-mail box via the CONTROLLA app. In addition, the app can be used to select the required period of temperature measurement summary: from one day to half a year.



### Warning of electricity supply failure

In the event of the electricity supply failing, the battery of the MD40DD-P301BEQ provides sufficient energy for the registration of temperature readings and the operation of the warning signal (audio and visual) for the next 24 hours.



### 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 last five warnings are stored in the memory of the MD40DD-P301BEQ electronic controller. If the user does not delete them, they are overwritten by the FIFO method and stored in the controller's memory.



### +2 °C temperature limit

If the temperature drops below +2 °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.



### Warning messages on the screen

The temperature warning is displayed on the controller screen until it is manually removed. This ensures that those in charge will respond in time to any critical temperature changes in the refrigerator.



### Display of minimum and maximum temperature on the screen

Medicines and medications are extremely sensitive to temperature changes. For this reason, the maximum and minimum temperature values of the refrigerator can be viewed directly on the screen of the electronic controller and the causes of temperature fluctuations can be eliminated in time. The display of minimum and maximum temperatures on the screen is an additional tool for temperature control in the refrigerator.

### Calibration block

**TECHNICAL DATA**

Pharmacy refrigerator	MD40DD-P3B1BEQ	MD40DD-P6B1BEQ
EAN code	4770104040177	4770104040184
Gross capacity, l	385	
Net capacity, l	290	
Factory temperature setting, °C	+5	
Fluctuation, °C	0,5	
Gradient, °C	2,9	
Average temperature limits of products (min / max), °C	From +2 to +8	
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.	
Ambient temperature range, °C	from +10 to +35	
Airborne acoustical noise emissions, dB(A)re1 pW	44	
Refrigerant	R600a	
Daily consumption, kWh/24h	1,280	0,953
Annual energy consumption, kWh/year	467	348
Rated voltage, V	220 - 240	
Rated frequency, Hz	50	
Access port	Yes	
Cooling system	Fan forced cooling	
Defrost	Automatic	
Volt-free alarm contact	Yes	
Interior light	Vertical LED light strip	
Number of shelves	7 adjustable + 1 bottom	
Shelf size (W x D), mm	472 x 385, bottom 478 x 267	
Maximum load per shelf, kg	40	
Shelf material	Perforated metal 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	Yes	
Self closing door	Yes	
Type of lock	Mechanical	
Adjustable foot at the front	2	
Foot 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	2210 x 650x 650	
Weight net, kg	80,5	
Weight gross, kg	94,3	

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