



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-P301BEQ / MD40DD-P600BEQ

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 $\pm 2.9^{\circ}\text{C}$. 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 °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 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 electronic controller. If the user does not delete them, they are overwritten by the FIFO method and stored in the controller's memory.



MD40DD-P600BEQ

MD40DD-P301BEQ



KEY FEATURES



Integrated data logger

The memory of the SNAIGÉ pharmacy 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-P*0*BEQ 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-P*0*BEQ 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 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.



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.

TECHNICAL DATA

Model code	MD40DD-P301BEQ MAXXXX1SN4B		MD40DD-P600BEQ MAXXXX1SN4B	
EAN code	4770104040115		4770104040122	
Gross / Net capacity, l	385 / 290			
Factory temperature setting, °C	+5			
Temperature range of stored products, °C	from + 2 to + 8			
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) re 1 pW	44			
Refrigerant	R600a			
Daily consumption, kWh/24h	1,280		0,953	
Annual energy consumption, kWh/year	467		348	
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	Vertical LED light strip on right side			
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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