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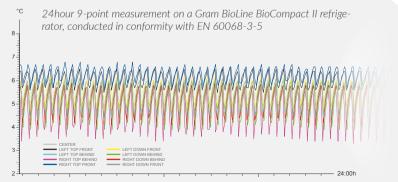
# A fridge isn't just a fridge

Domestic refrigerators should not be considered for professional use especially when it involves storing temperature sensitive material. The common misconception is that one refrigerator is as good as another, it's not that difficult to have a stable and uniform temperature, right? You would be surprised...

In an industry where large amounts of expensive materials are stored, it is a relevant question to ask if a refrigerator intended for storing food is suitable for storage of medicine?

## Temperature in the cabinet

There is never only one temperature in a cabinet. Temperature varies in a cabinet depending on where you are measuring. The temperature difference depends on the surroundings, degree of use and how the refrigeration system is constructed. Best possible temperature uniformity in a cabinet is achieved by having forced air distribution in the cabinet, this distributes the cold evenly and minimises hot / cold spots.



# What should you look for?

#### No cold walls

A refrigeration system that is not located in the storage space does away with cold walls, allowing for better and safer use of the storage space.

#### Temperature stability

Forced air distribution in the cabinet distributes air around the cabinet and ensures high temperature stability and uniformity.

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# Professional components

 designed for professional use ensures reliability, capacity and long life.

# Acoustic and visual alarms

 gives clear indication if temperature limits have been exceeded, providing additional security for the stored items

#### Interior

 - customise to specific requirements .
Allowing good utilisation of the storage space, improved ergonomics and high security of the stored items.

#### Glass door

- offers easy viewing allowing shortest possible door opening time.



No cold walls ...no frost damage.... utilisation of storage space

#### No cold walls!

The term "cold walls" and frost damage in a refrigerator is a common occurrence and a challenge when dealing with storage of temperature sensitive materials such as medicines.

### Temperature-stability and uniformity

Professional design differing considerably from domestic and commercial refrigerators eliminates cold wall loss of items by frost exposure even when placed against the the back wall.



BioCompact 210 Refrigerator with a finned tube evaporator enables forced air distribution inside the storage chamber. Thereby evenly distributing cold air throughout, enhancing temperature stability and uniformity.



Conventional refrigerator with evaporator in the storage space, evaporating refrigerant lowers temperature by absorbing heat and transferring it outside the cabinet.

Using a finned tube evaporator and placing it away from the storage chamber eliminates cold walls. A fan forces cooled air around the cabinet to ensure even distribution.

## Utilisation of storage space

As there is no need to take cold walls into consideration, the entire storage space can be used for storage, ensuring maximum ultilisation of the cabinet.







# You specify your own interior fittings

Being able to choose the size, layout and interior fittings gives you three big advantages:

Item safety



Effective use of storage space



# A stable, uniform temperature is achieved by forced air distribution

If a cabinet includes fixtures that provide good ergonomics , effective use of space and stores items safely it still needs to distribute cold air uniformly in the storage area to ensure temperature stability.

The best way to achieve this is with air flow forced in specific directions allowing cold air to reach all areas of the cabinet. This provides both temperature stability and uniformity regardless of fixtures and fittings installed in the unit.



Forced air distribution in a BioCompact II cabinet with ABS drawers.

# Storage on your terms!

#### Item safety

Drawers provide a clear view of the contents ensuring items are not missed at the rear of the cabinet. This arrangement is ideal for first in/first out operations.

#### Effective use of storage space

Drawers divided into sections ensures all the space within the cabinet is used effectively.

#### Ergonomics

Cabinets can be organised to meet specific requirements which provides ease of access to all stored items.

Drawers can be extended fully from the cabinet.

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# BioCompact II

Gram BioLine's **BioCompact II** refrigerator and extendedtemperature cabinets are designed to meet the highest specifications for the storage of medicine.

BioCompact II cabinets provide exceptional reliability, capacity and temperature stability – with the same footprint as a standard domestic refrigerator.





You can equip your BioCompact II cabinets can be equipped with a range of different options and fittings to meet your specific requirements:

- >> Lacquered or stainless exterior
- >> Left or right hinged door
- >> Solid or Glass LED illuminated door
- >> Foot pedal
- >> Ruko system lock
- >> Reference container
- >> Castors, legs or for plinth
- >> Aluminium drawers
- >> ABS drawers
- >> Wire shelves (stainless steel / plastic coated)
- >> Wire baskets
- >> Perforated shelves in stainless steel



>> Custom-built drawers made from ABS, with purose built rail system. These drawers can be divided up as you prefer, to help you meet changing day-to-day requirements. >> Multifunctional aluminium drawers ensure maximum flexibility and durability, as well as keeping the stored items safe.



Developed and manufactured in Denmark