VESTFROST SOLUTIONS

Datasheet

Controller	
Defrost	Manual
High/Low Temp. Alarm	Yes
Open Door Alarm	N/A
Probe Failure Alarm	Yes
Power Failure Alarm	Yes
USB Connection	N/A
Datalogging	N/A

Features	
Lock	Yes
LED Light	N/A
Battery Backup for Controller, 48h	Yes
Porthole	Yes
Dry Contact	Yes
Door	Solid
Door Features	Extra insulation
Door Reversibility	N/A
No-Frost system	N/A

-10°C
-25°C

Biomedical Freezer

LOW NOISE

ENVIRONMENT FRIENDLY

USER FRIENDLY

Construction	
Outer Dimensions, HxWxD	870x555x555
Inner Dimensions, HxWxD	466x387x387
Volume Gross/net, L	74 / 71
Weight Gross/Net, kg	49 / 43
Material Inner Cabinet	Painted Steel
Material Outer Cabinet	Painted Steel
Insulation Thickness, mm	80
Insulation Type	Polyurethane with Cyclopentane
Refrigerant	R600a
Air Distribution	Static
Mobility	Standard: Feet Option incl.: Castors

Operation	
Temperature Range, C°	-10 to -25
Noise, dB	53
Energy Consumption 24/h, kWh	0,52
Frequency, Hz	50
Power Supply, V	220 / 240

Storage	
Baskets (Standard/max)	1 / 1
Basket material	Steel coated with plastic powder
Max Loading pr. Shelf, kg	20
BioChill™ Drawers Max. Fit	N/A
Drawer Material	N/A

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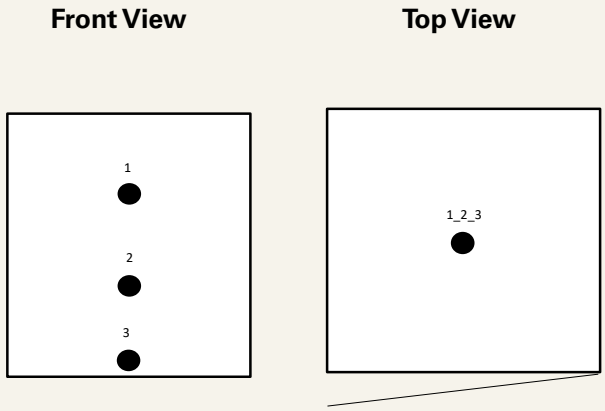
Temperature Mapping

Test overview

Test type	3-point test
Test environment	Controlled conditions, empty cabinet
Ambient temperature	20°C
Humidity	60%
Set-point	-25°C
Sensors used	25gr tinned brass formed as a cylinder with a diameter of 15,2mm
Installation	Appliance installed according to instruction manual conditions
Refrigerant	R600a

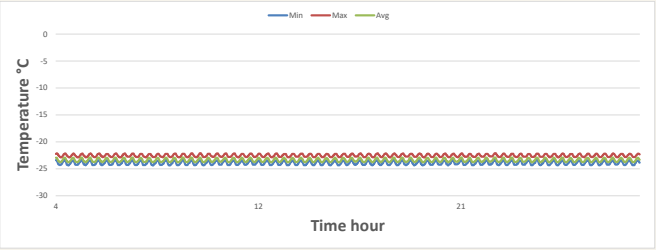
Sensor position



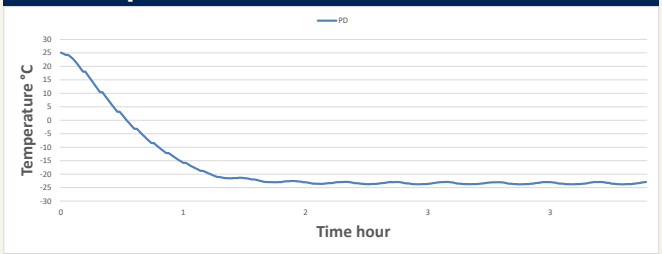
Sensor temperature

Sensor position	P1	P2	P3
Max.	-22,2	-23,3	-23,4
Avg.	-22,3	-23,5	-23,7
Min.	-22,9	-24,3	-24,4

Cyclic operation



Warm up & Pull down



Typical Performance data

Avg. cabinet temperature	-23,4°C
Peak variation from set-point	+1,2/-1°C
Stability in avg.	1°C
1 min. door open recovery to -20°C avg. temperature	-
Cycle rate on/off	-
Duty cycle	-
Energy consumption	0,52 kWh/day
Pull down time to -20°C avg. temperature	60 min.
Hold over time from -25°C to -10°C	-
Sample temperature does not exceed	-15°C