GUIDELINE FOR POSITIONING DISPLAY CASES

.01

GUIDELINES FOR DESIGNERS about positioning display cases into shop layouts.

General Warning

SHOP CONDITIONS

Look at spec sheet to verify max temperature and humidity allowed into the store.

CLIMATE CLASS 3
Shop temperature <25°C
Shop humidity < 60%

CLIMATE CLASS 4
Shop temperature <30°C
Shop humidity < 55%

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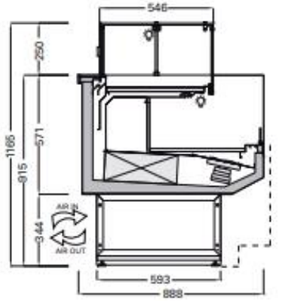
CIAM REFRIGERATION DESIGN — STARBUCKS

combi display case

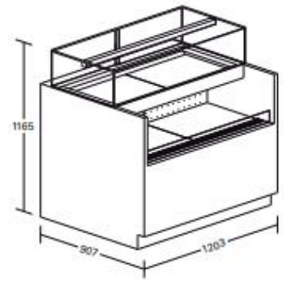
SBUX22COMBI120
DID 21328





Refrigerated COMBI GRAB & GO UNIT model 2022 | mm L1200+3 P888 H1165 | heated glass box joint with HW | Vertical sliding doors | diffused LED lighting | s/s tank insulated with ecological polyurethane | glass sides on top section | solid sides in black s/s 15/10 at base | refrigeration by forced air | actuator with switch to convey refrigeration only at the g&go section or top and bottom | electric and automatic defrost| digital control panel with temperature display | black FENIX Ingo 720 working top | tubular s/s base | BUILT-IN COMPRESSOR | compressor breathing at 1 side only | self evaporating pan for condensation water

COMBI	
	L. 1203
climatic class	25°C / 60%RH
operating temp.	+4 °C
power supply	230V / 1Ph / 50Hz
average power consumption	1,1 KW/h
max power consumption	1600 W / 8,0 A
cooling power for remote application / expansion temperature	1350W / -10°C
gas type	R455a
refrigeration type	ventilated
defrost	automatic / electric
lighting	LED 3000K
condensate water discharge	self heating pan
weight net / gross	220 / 330 Kg
energy label	F



* Dimensions are net excluding finishing panels that are note supplied by CIAM

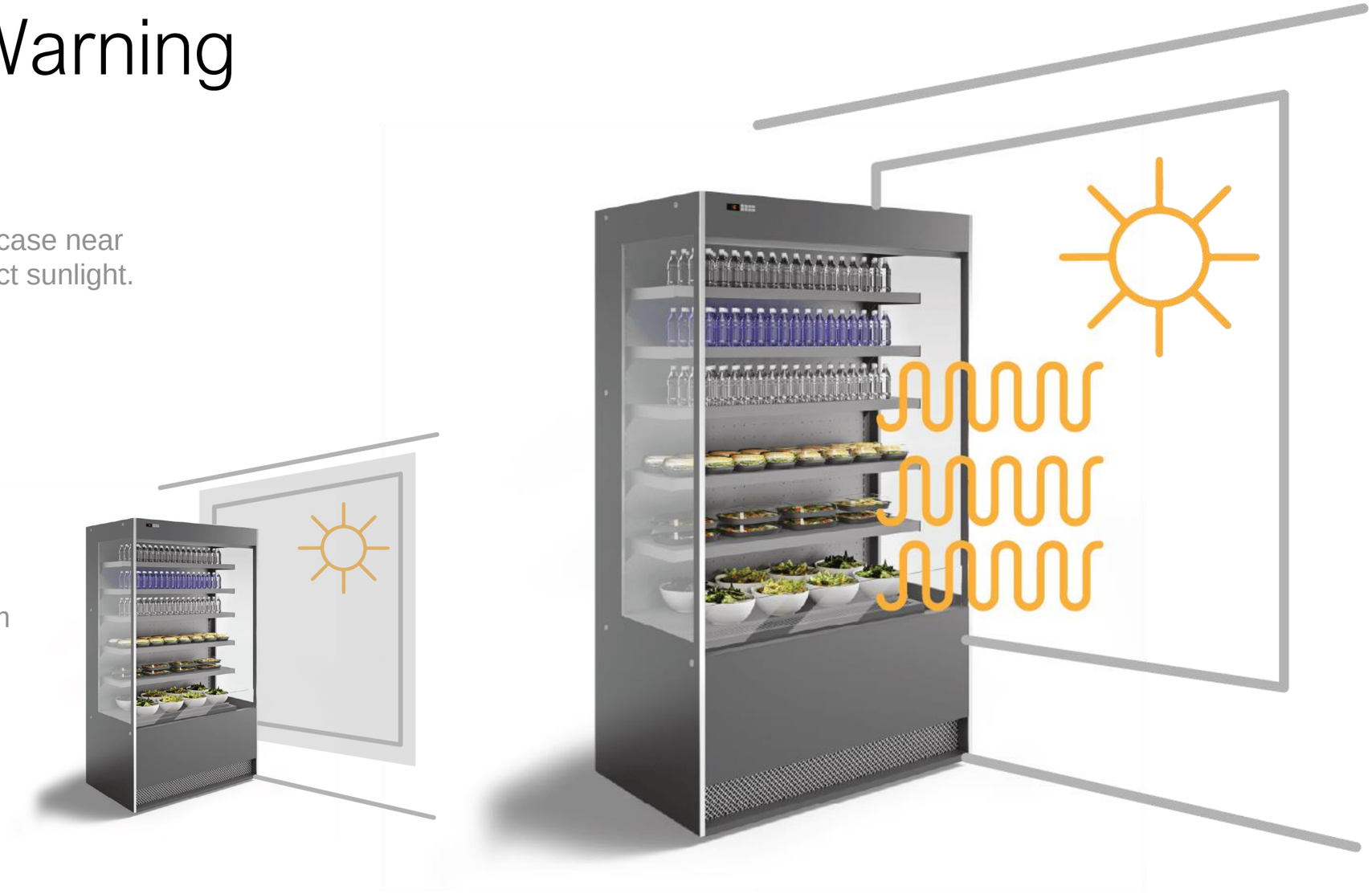
General Warning

SUNLIGHT

Do not place the display case near windows exposed to direct sunlight.

- Solutions -

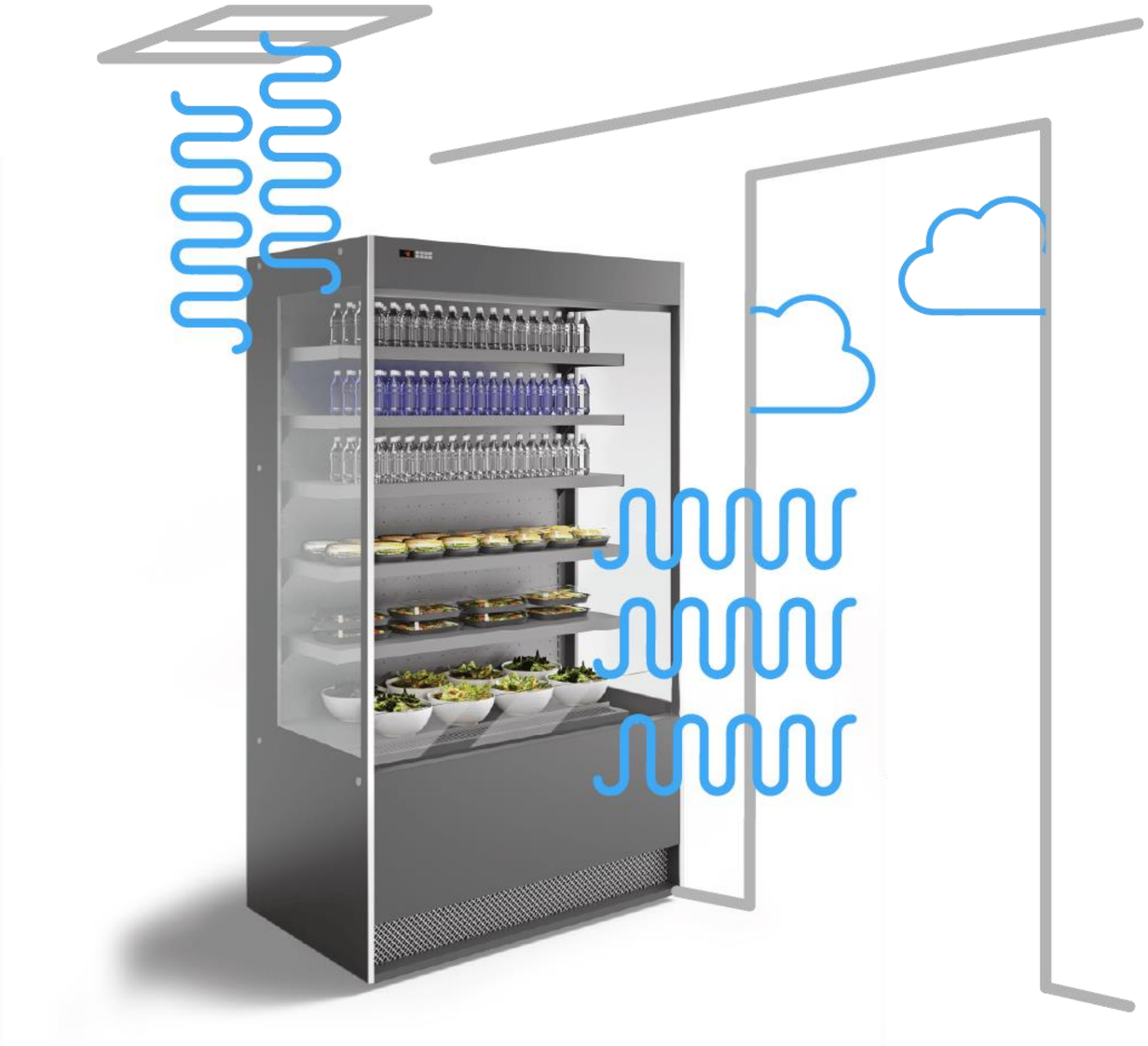
Place the case away from direct sunlight or, alternatively, install an awning/covering outside the window.



General Warning

DIRECT AIR FLOWS

Do not place the display case in direct contact with outdoor or air-conditioning air flows.



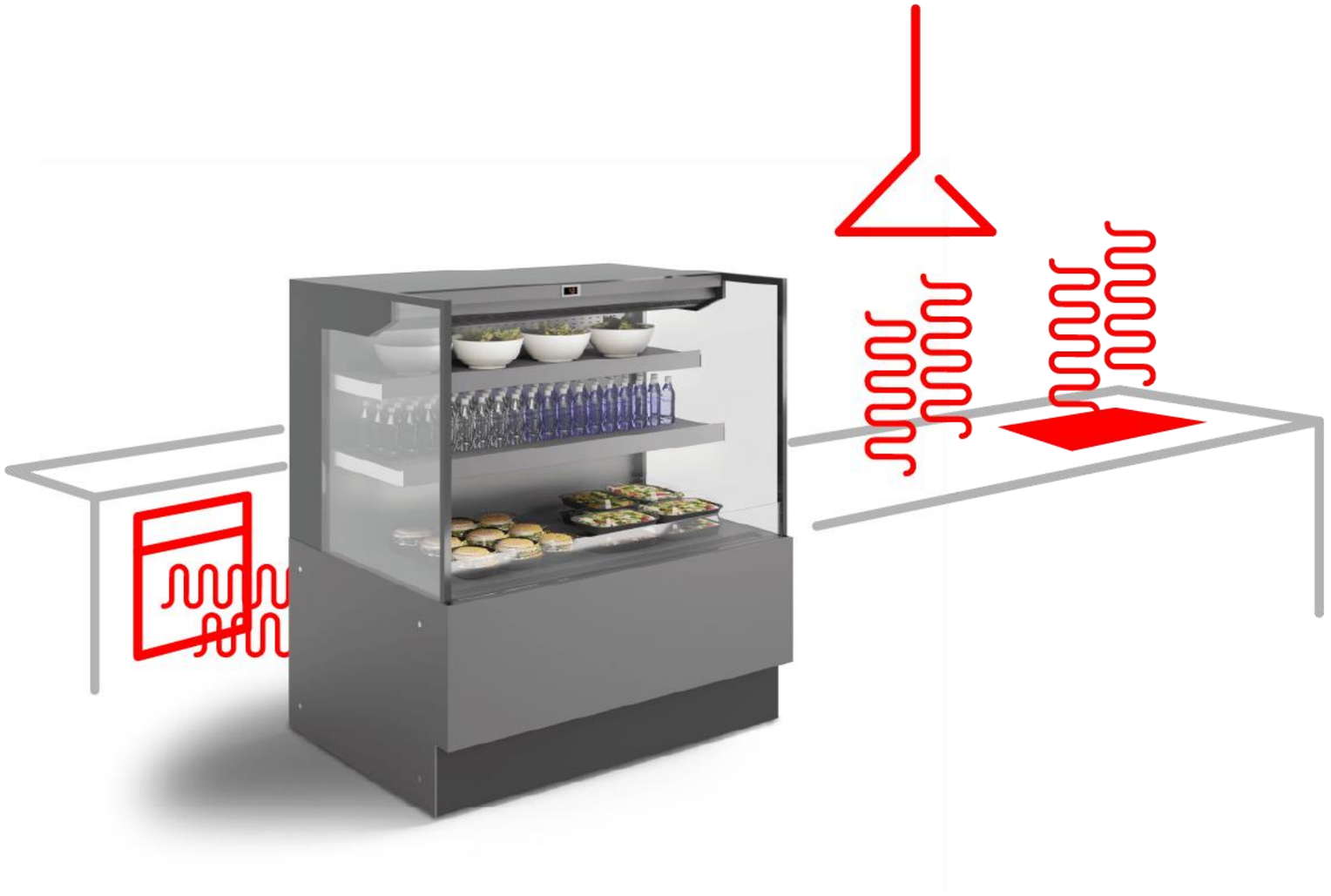
General Warning

HEAT SOURCES

Do not place sources of heat or steam:

.01 Near, on top or on the side of a refrigerated display case
(hot plates, heating lamps, cream makers, sandwich warmers etc.)

.02 Near compressor breathing ducts
(to prevent the display case from taking in hot air exhausted from other equipment)



.02

COMPRESSOR BREATHING
Guidelines for proper breathing of the compressor.

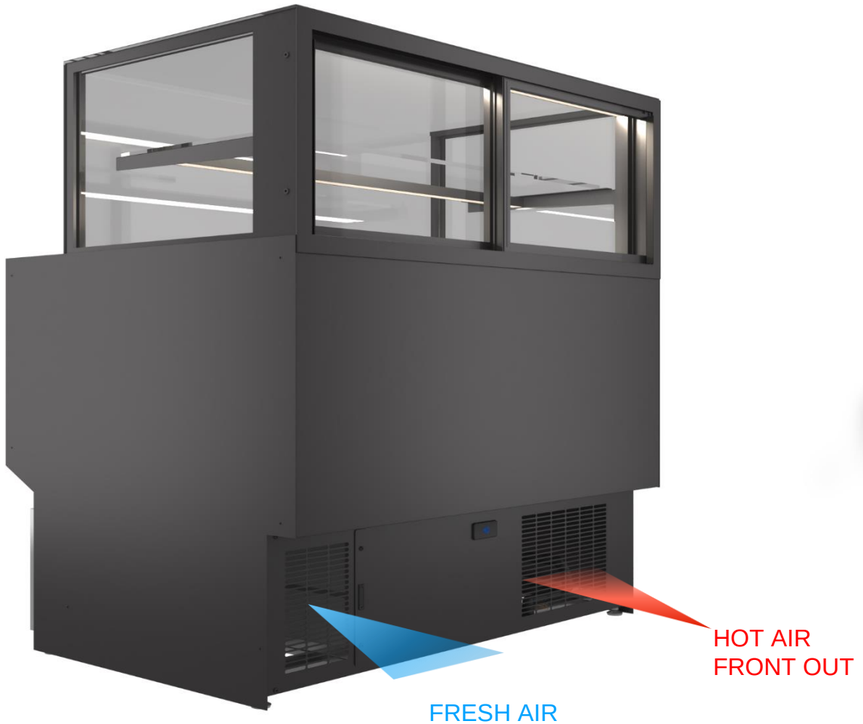
Breathing Configurations

Depending on the model of the display case, compressor breathing can be:

On the operator side only;

Both at front and back of the display case.





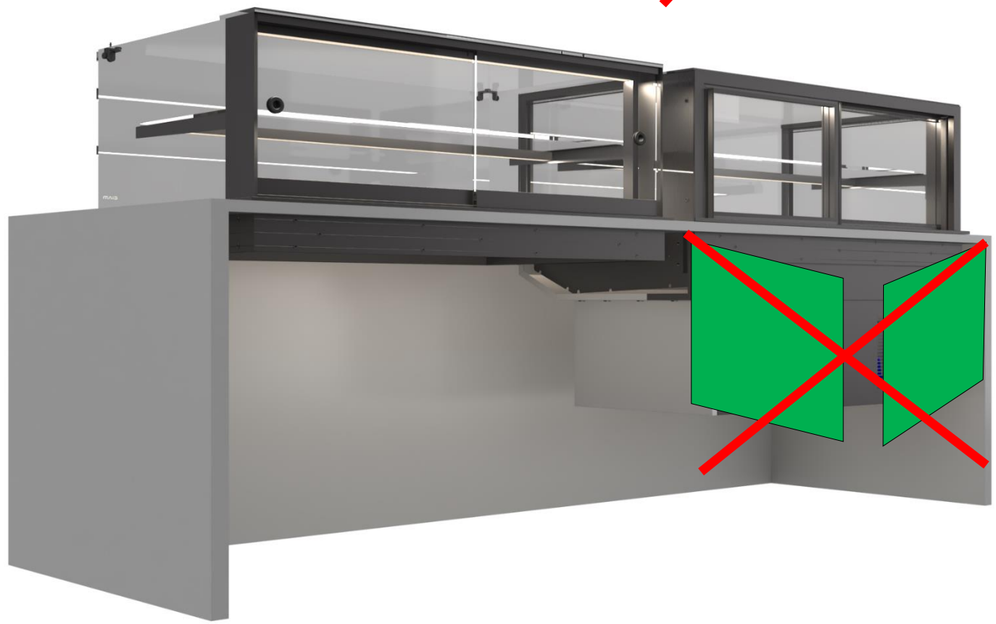


Precautions for proper compresor breathing

Do not place bulky objects in front of technical compartments where air inlets and outlets are located.

For Drop-In models, allow air in and out by providing holes in the panel on the operator side.





Minimum clearances Into niches for compressor breathing

Minimum distance from the back wall

50 mm

Minimum distance from the ceiling

250 mm



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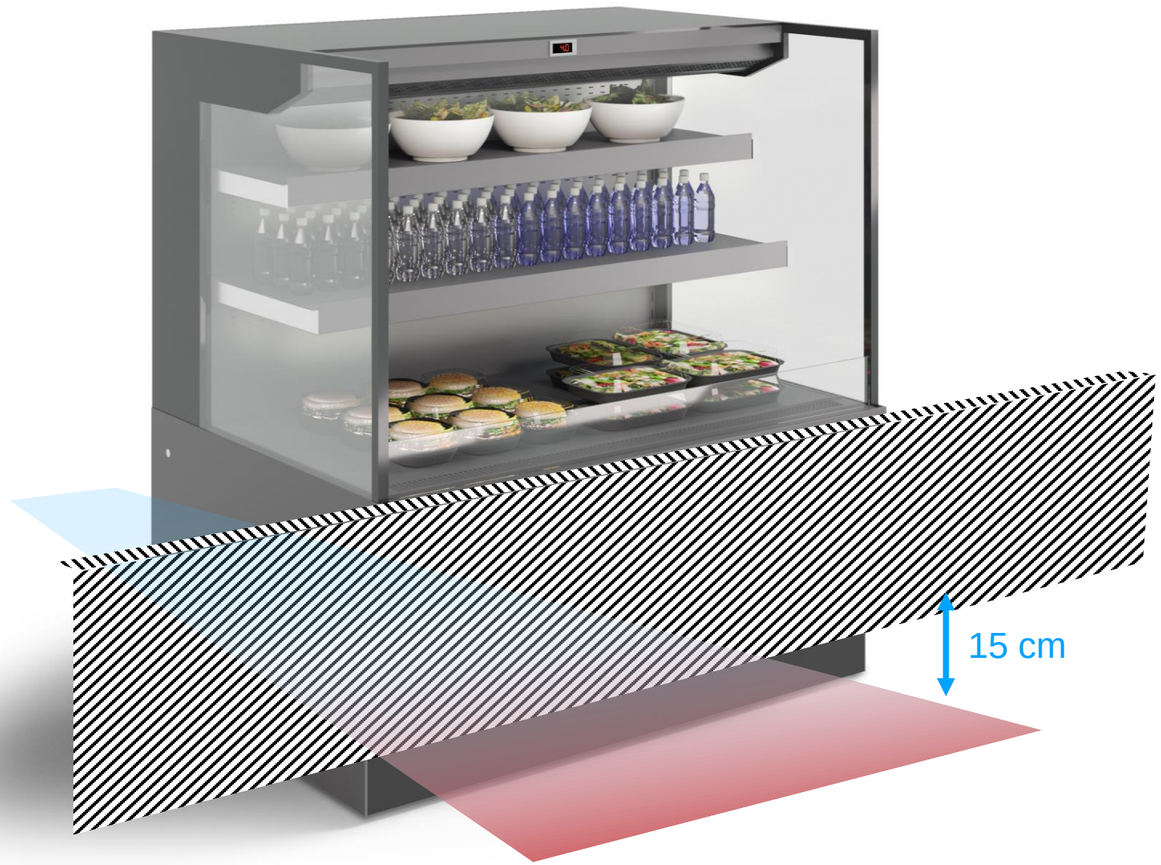
Front panel installation

Front panel height from the floor

15 cm



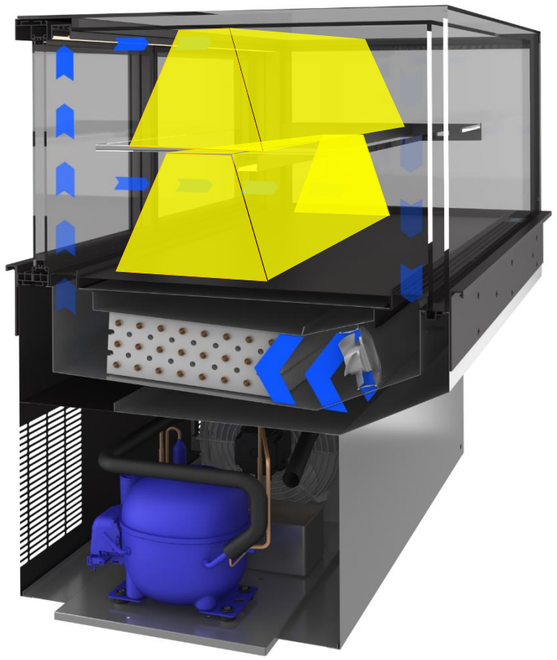
.03

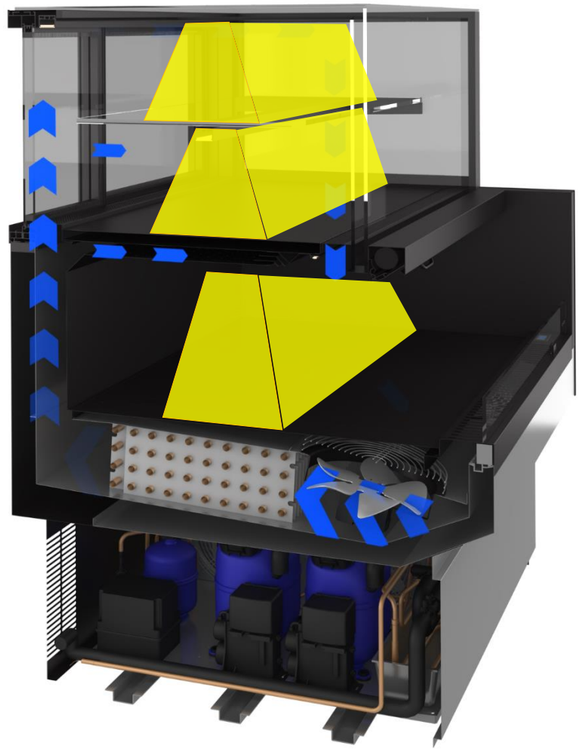
GUIDELINES FOR SHOP MANAGERS
Recommendations for proper use
of the display cases.

Proper Use of the display cases

Shop Managers must verify that.

The max load limits are respected

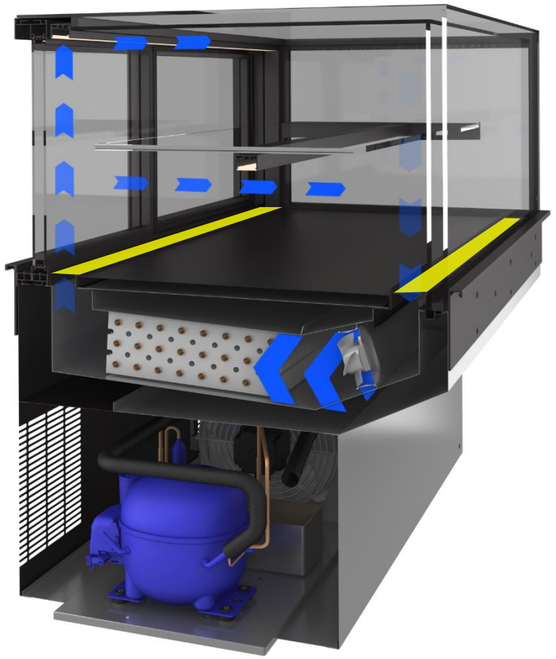




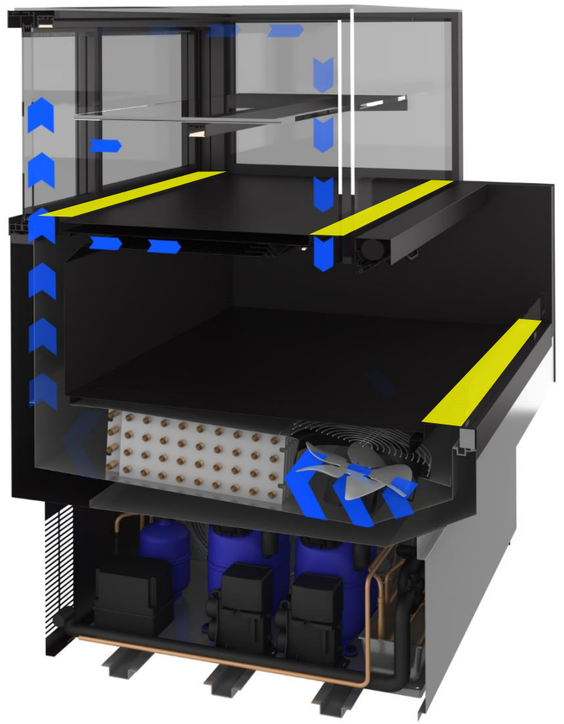
Proper Use of the display cases

Shop Managers must verify that.

Inlet and outlet vents of the refrigerated area are not blocked.







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GUIDELINES FOR SHOP MANAGERS

Proper Use of the display cases

Attain to Cleaning and Maintenance Manual

in particular:

01. Periodic cleaning of the condenser is carried out;

02. A complete switch off for a complete defrost at least once a week



Easy clean filters

CIAM REFRIGERATION DESIGN

CLEANING AND MAINTENANCE

The Equipment Manager has the duty to check and comply with the cadences of the maintenance in the table below by calling the Technical Assistance service when indicated authorized.

OPERATION	FREQUENCY				ORDINARY	EXTRAORDINARY	AUTHORIZED PERSONNEL
	Depending on use and necessity	Monthly	Semestral	Annual			
CLEANING OF EXTERNAL SURFACES	X				X		USER
CLEANING OF ACCESSIBLE INTERNAL PARTS (WITHOUT THE USE OF TOOLS)	X				X		
POWER CABLE CHECK, PLUGS AND/OR SOCKETS			X		X		
INTEGRITY CHECK OF SEALS		X			X		
CLEANING THE DEFROST WATER COLLECTION TANK		X			X		TECHNICAL ASSISTANCE
CONDENSER CLEANING		X			X		
INTEGRITY CHECK OF COOLING SYSTEM PIPES			X		X		
INSPECTION OF CABLES AND INTERNAL POWER CONNECTIONS			X		X		
REPLACEMENT OF LAMPS / LEDS (IF PRESENT)						X	
CONTROL PANEL REPLACEMENT (ELECTRONIC CONTROL UNIT - THERMOSTAT - ETC.)						X	
REPLACEMENT OF THE POWER CABLE, PLUGS AND / OR ELECTRICAL SOCKETS						X	

WARNING

After each maintenance, the electrical safety tests must be carried out in accordance with standard CEI EN 50106.

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Thanks