FLAT

HORIZONTAL SHOWCASES

CIAM

Refrigeration solutions
with a design focus.

Flat

A new concept of flat display

The series of showcases FLAT is composed by refrigerated, hot or neutral modular showcases available in 3 depths (625, 800, 1000) and 14 types of glass structures. The showcase FLAT is characterized by a flat display that enhances the ergonomics of use for the operator. The minimalist style of FLAT allows designers and planners to easily insert this type of showcase in any design and stylistic context.

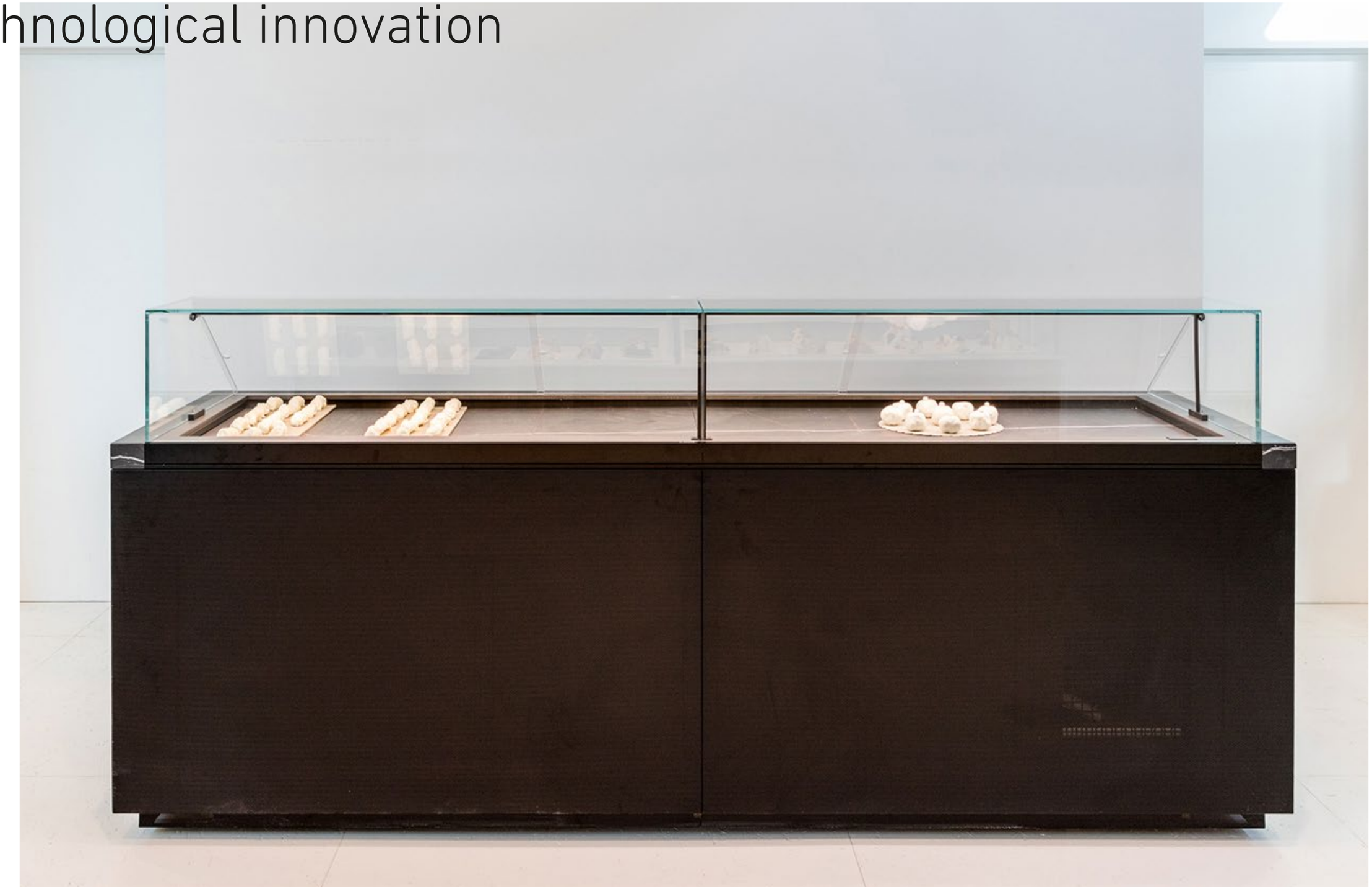
DISCOVER THE COLLECTION:

Versatility and technology at the service of every commercial need

Fresh pastry · Chocolate · Cold deli products · Ice-cream · Frozen pastry · Meat · Cheese and dairy products · Cured meats · Sandwich

The showcases FLAT can satisfy every commercial need. They are perfect for preserving and displaying: fresh pastry, single serving desserts, macarons, chocolate, ice-cream, ice-cream cakes, butchery products, cold and hot deli products, brioches, pizza, bread

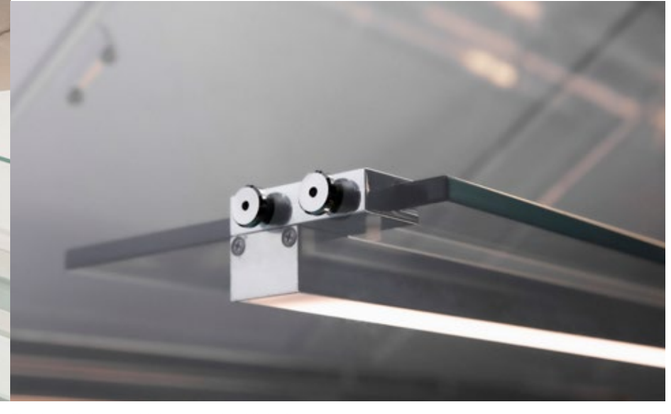
Contemporary design and technological innovation



Material

The material is fundamental for every planner or designer, for that reason the showcase Flat, in addition to polished steel, can be customized (as optional) with Gres, acrylics, quartz composite, HPL, marble, natural stone, brass, epoxy powder-coated steel or galvanic treatment.

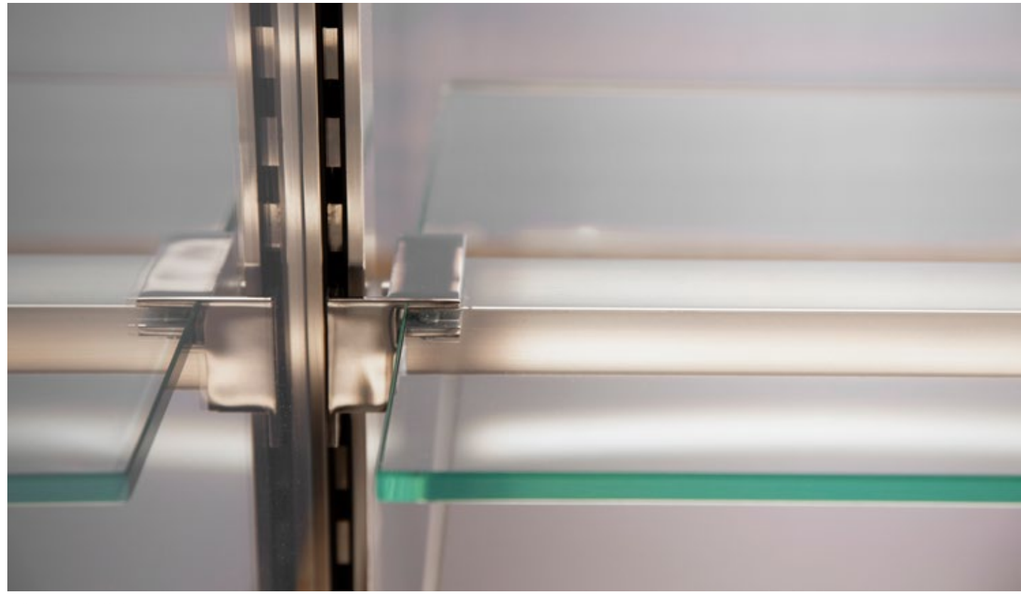
Micro-hinges and hardware for glass structure R4UP



Fixed shelf clamp with integrated led light fixture

Style

The profiles and the hardware were designed with a unique and minimalist style, the majority of these showcases are made of steel with micro molds casting, the standard finish is polished stainless steel but on request is possible to choose epoxy powder-coated steel or electroplating (as optional).



Adjustable shelf clamp

Thermodynamics

Thermodynamics FLAT butchery/gastronomy

The correct functioning and the reliability of the showcases FLAT are assured by perfect thermodynamics that passed the strictest test concerning the functioning even in adverse climate conditions (climatic class. 4/H.R. 55% -30°C).

Micro-perforated steel sheet and digital temperature display flush with the surface

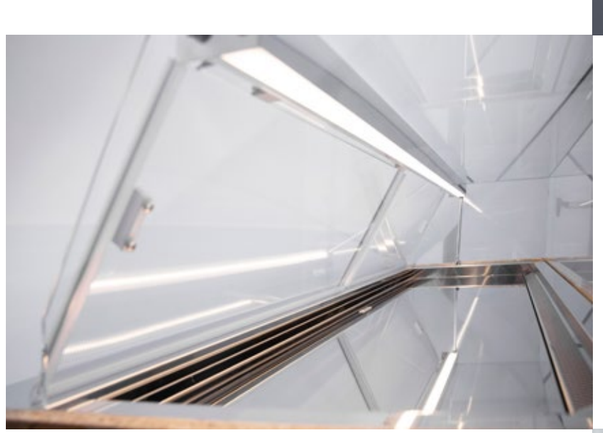
Thermodynamics with double air flow refrigeration for the

Ecology

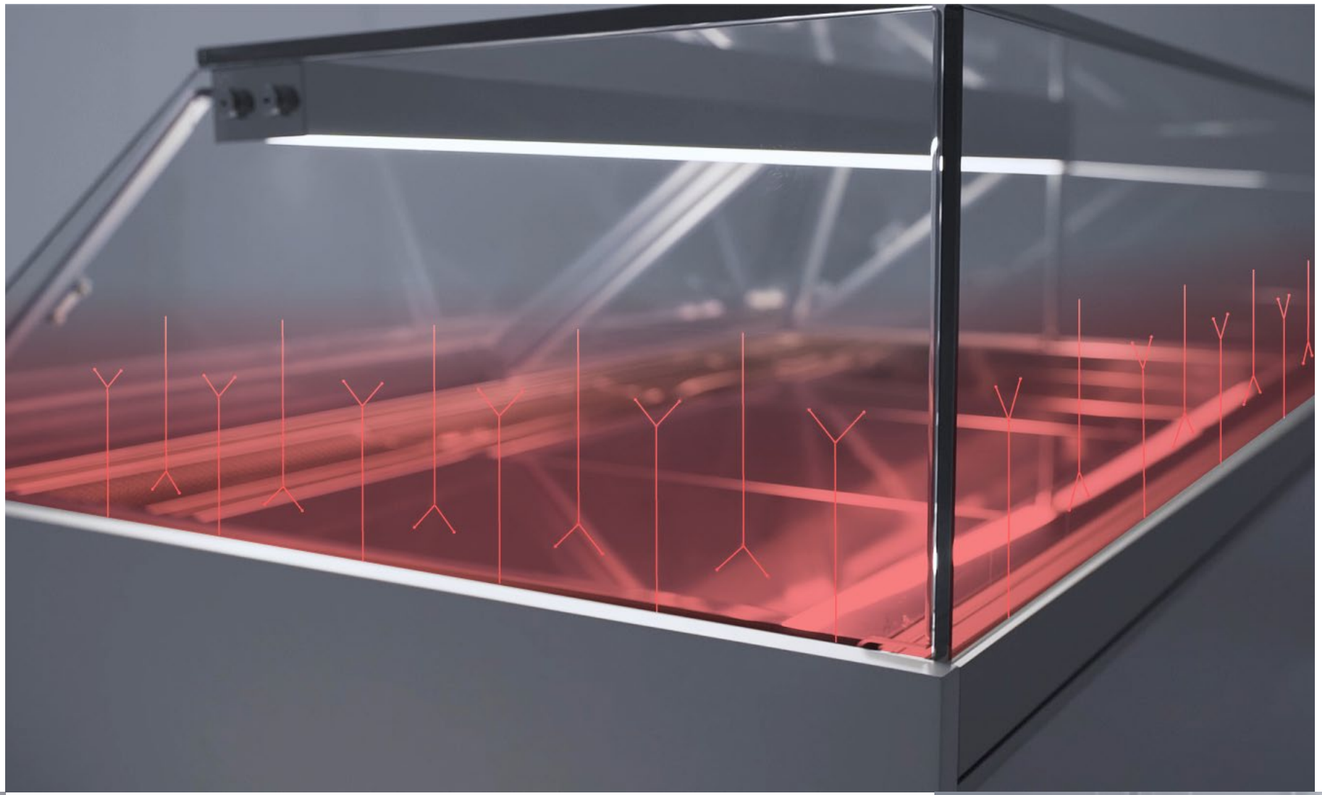
Respect for the environment and attention to energy saving are contemporary themes of great ethical and civil value to pursue and disseminate in the entire Ciam production. This is why most of the refrigerated showcases with positive temperature and internal motor have been designed to work with R290 ecological gas with very low environmental impact.

Hot

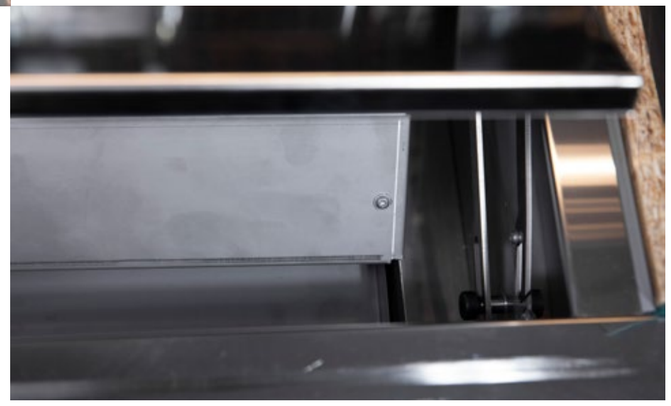
Not only refrigerated showcases! The hot showcases FLAT are available in the version: bain-marie warm designed to house gastronomy trays GN and dry-warm with electric heating plate that can be integrated with the optional equipment “natural humidifier” and “ventilated humidifier” that allow to enhances the preservation performances of the displayed product.



The dry-warm showcases have the same aesthetics as the refrigerated showcases



Invisible laser engravings



Ventilated humidifier system with liftable plate

Thermal glasses

The perfect transparency and the minimalist design of the showcase is fundamental for a quality display, for this reason CIAM patented a new anti-fogging system that uses 8mm pyrolytic glass and low voltage electric resistances . In this way the result obtained is the effect of a standard glass structure, even in the case of heated glasses.

GN trays display on a bain-marie warm showcase

Adjustable intermediate glass shelf on low-voltage electrified rack

Fixed glass shelf with integrated lighting

PETG Sliding doors with perimetral seals

Liftable evaporator unit

Lighting

A correct lighting is essential for high quality showcases like FLAT. For this reason, we chose 3000°K strip-led diffused. The led lighting is integrated to the exclusive aluminum micro lighting fixtures both onto the upper glass, in the version with fixed shelf and in the innovative version with adjustable shelf in height and depth on low voltage electrified rack.

Functionality

Functionality and ease of use are the basis of a successful product. From the facilitated installation thanks to stainless steel adjustable feet to the daily use by the operator, the showcase FLAT provides simple use systems: PETG sliding doors with hermetic perimeter seals are removable and they slide on the track integrated with the upper lighting fixture.

R2 glass structure with double sliding UV glued glass bridge

Exclusivity

FLAT showcases have many distinctive features that make even more exclusive the use of some models as in the case of the glass structure G1 that has been completely redesigned introducing a soft closing opening and closing system integrated to the side profiles, the upper micro-hinges that allow the upward opening of the glass top, indirect perimeter lighting perfectly integrated to the aluminum profiles. For glass structures up to 2150 mm of length there is a single glass without central upright; or as in the case of the glass structure R6 with upward opening of the front glass thanks to gas pistons or the glass structure R2 with double sliding UV glued glass bridge and soft closing opening and closing system.

Glass structure R6 with upward opening of the front glass

Glass structure G1 (patented system)

50 kWh

Energy saving per showcase linear meter

40 %

Energy saving comparing to traditional systems

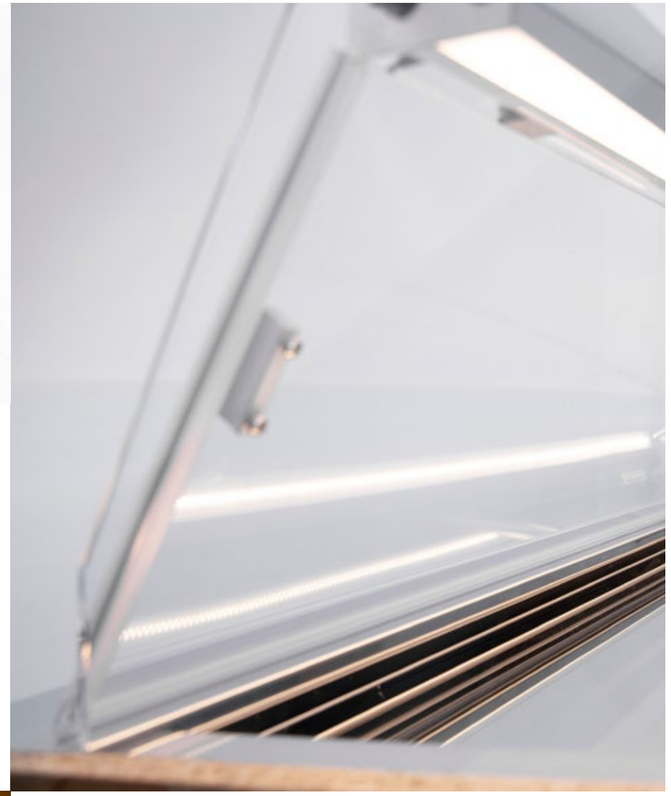
MULTIX

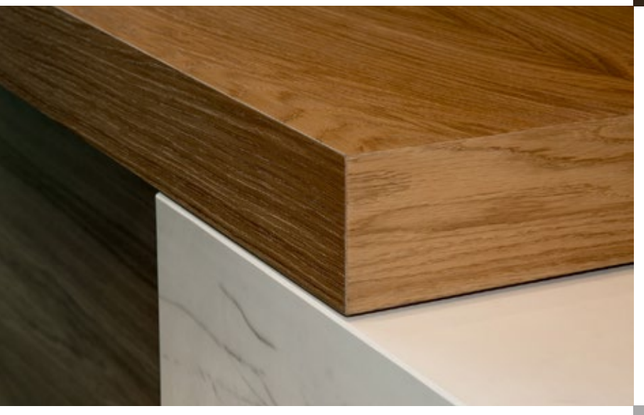
MULTIX technology can be applied to the showcases 6040 and it allows to adjust temperature and humidity through a simple and intuitive touch screen electronic panel according to the customer needs (patented system). Thanks to the inverter technology and to the control Software with Technology by Gelsystem is possible to obtain the highest efficiency and the highest performance on the product because the curve of temperature and especially that of humidity is constant and it doesn't suffer violent oscillations because there are no electrical resistances; in fact the heat is generated by injections of hot gas. The inverter technology also guarantees a great energy saving with wide benefits from the point of view of saving money.

The new smart refrigeration system

Through a touch screen panel is possible to choose four different preset programs or to adjust temperature and humidity according to the customer needs.

Multix reaps the advantages of the inverter technology and hot gas injections to control humidity, without electric resistances.

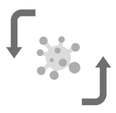




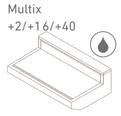
Key features

1. Customization of panels, finishes and internal materials.
2. Customization of dimensions on specific requests.
3. Possibility to have two or more showcases joined together with the same aesthetics.
4. R290 ecological gas for all models at positive temperature.
5. Wide range: 12 linear modules, 6 types of corners, 3 depths (625, 800, 1000), 14 types of glass structures, 9 types of technological system.
6. High humidity that enhances the perfect preservation of the product.
7. Adjustable shelves in height and depth on low voltage electrified rack. In this way it is possible to customize the display of the showcase without electric cables.
8. Sliding doors with hermetic perimeter seals on operator side that guarantee a hermetic closing of the refrigerated compartment.
9. ETL certification available for all the models (Canadian and north American markets).

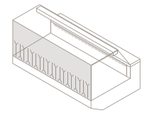
Optional



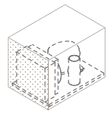
Compatibility with tube/whide (patented system) for constant sterilization of internal surfaces



Compatibility with MULTIX (patented system)

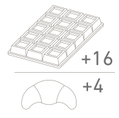


Anti-fog system for glasses (patented system)



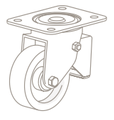
Magnetic filter for an easy cleaning of the condenser

Tele-control system for the constant monitoring of the correct functioning of the showcase

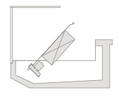


Showcases at positive temperature can be converted to be used for pralines.

Showcases at low temperature can be converted into positive temperature

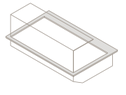


Wheels kit



Liftable evaporator unit with gas pistons for a perfect cleaning of the tank

Possibility to add a storage module



Perimetral top for drop-in configuration

TS - H1200

TS - H1350

R4 - H1200

R4 - H1350

R6 - H1300

Flat

R4UP - H1200

R4UP - H1350

S2 - H1200

S2 - H1370

G1 - H1200

T2 - H1200

R2 - H1200

TSA - H1200

TSB - H1200

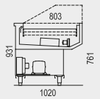
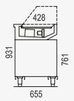
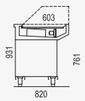
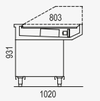
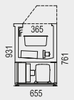
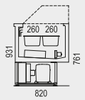
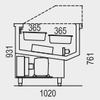
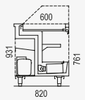
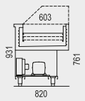
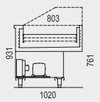
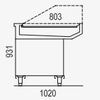
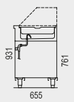
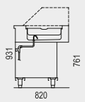
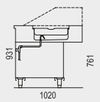
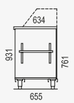
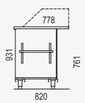
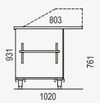
Glass structures features

	GLASSES OPENING	ANTI-FOGGING OF FRONT GLASS	ANTI-FOGGING OF SIDE GLASSES	NUMBER OF SHELVES	OPENING ON SIDE OPERATOR	STRIP-LED DIFFUSED LIGHTING	ALUMINUM PROFILES FINISHES	HARDWARE FINISHES	LINEAR MODULES	SQUARED CORNER 90° SQ	CURVE CORNER AP 90° SF
TS H1200	UV glued glass	Glass air-baffle (std) Heated glass (opt)	Heated glass (std)	No shelf (std)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•	•	•
TS H1350	UV glued glass	Glass air-baffle (std) Heated glass (opt)	Heated glass (std)	Nr. 1 adjustable shelf on electrified rack (opt) Additional adjustable shelf (opt)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•	•	•
R4 H1200	Uv glued glass with mechanical fastening	Glass air-baffle (std) Heated glass (opt)	Heated glass (std)	No shelf (std)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•	•	
R4 H1350	Uv glued glass with mechanical fastening	Glass air-baffle (std) Heated glass (opt)	Heated glass (std)	Nr. 1 adjustable shelf on electrified rack (opt) Additional adjustable shelf (opt)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•	•	
R4UP H1200	Upward opening of the top glass with micro-hinges	Glass air-baffle (std) Heated glass (opt)	Heated glass (std)	No shelf (std)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•		
R4UP H1350	Upward opening of the top glass with micro-hinges	Glass air-baffle (std) Heated glass (opt)	Heated glass (std)	Nr. 1 adjustable shelf on electrified rack (opt) Additional adjustable shelf (opt)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•		
TSB H1200	UV glued glass with downward opening	Glass air-baffle (std) Heated glass (opt)	Heated glass (std)	No shelf (std)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•	•	
S2 H1200	Glass structure with downward opening	Glass air-baffle (std) Heated glass (opt)	Heated glass (std)	No shelf (std)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•	•	•
S2 H1370	Glass structure with downward opening	Glass air-baffle (std) Heated glass (opt)	Heated glass (std)	Nr. 1 fixed shelf (std) Additional shelf (opt)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•	•	•
R6 H1300	Front glass with upward opening	Glass ventilation with hot air	Heated glass (std)	No shelf (std) Fixed shelf (opt)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•	•	
TSA H1200	Front glass with upward opening	Glass air-baffle (std) Glass ventilation with hot air (opt)	Heated glass (std)	No shelf (std)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•		
G1 H1200	Sliding glass top on operator side | Glass opening with magnetic clamps | Glass top on costumer side with upward opening	Glass air-baffle (std) Heated glass (opt)	Heated glass (std)	No shelf (std)	Sliding glass top on operator side with soft closing system and folding glass opening with magnetic clamps (std)	3000° K (Std) 2700° K (Opz) 4000° K (Opz)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•		
T2 H1200	UV glued glass with downward opening	Glass air-baffle	Heated glass (std)	No shelf (std)	Inclined PETG sliding doors with perimeter seals (std) 90° sliding doors (opt)	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•	•	
R2 H1200	Double sliding UV glued glass bridge	Glass air-baffle (std) Heated glass (opt)	Heated glass (std)	No shelf (std)	Double sliding UV glued glass bridge	3000° K (Std) 2700° K (Opt) 4000° K (Opt)	Bright aluminum (std) Powder-coating s/s Electroplating (opt)	Chromium-plated steel (std) RAL (opt)	•		

FLAT

NB: All ice-cream showcases have heated front glass with no—fog system as standard.

technical features

	OPERATING TEMPERATURE	P625	P800	P1000	CORNER AP90° SQ	CORNER AP90° SF	GAS	L900	L1000	L1150	L1300	L1500	L1650	L1700	L2000	L2100	L2150	L2600	L3000	WORKING TOP	DISPLAY AREA
VENTILATED REFRIGERATED SHOWCASE H359	+4° C +16° C						Linear R290 Corner R452a	•	•		•	•		•	•	•		•	•	Polished stainless steel (std) Brushed stainless steel| brass | powder-coated stainless steel | electroplating| acrylic | HPL | Gres | quarz composite | marble (opt)	Polished stainless steel (std) Brushed stainless steel| brass | powder-coated stainless steel | electroplating| acrylic | HPL | Gres | quarz composite | marble (opt)
VENTILATED REFRIGERATED SHOWCASE H200	+4° C +16° C						Linear R290 Corner R452a	•	•		•	•		•	•	•		•	•	Polished stainless steel (std) Brushed stainless steel| brass | powder-coated stainless steel | electroplating| acrylic | HPL | Gres | quarz composite | marble (opt)	Polished stainless steel (std) Brushed stainless steel| brass | powder-coated stainless steel | electroplating| acrylic | HPL | Gres | quarz composite | marble (opt)
ICE CREAM	-18° C						R452a			P60 6 ice cream pans P80 12 ice cream pans P100 12 ice cream pans			P60 9 ice cream pans P80 18 ice cream pans P100 18 ice cream pans				P60 12 ice cream pans P80 24 ice cream pans P100 24 ice cream pans			Polished stainless steel (std) Brushed stainless steel| brass | powder-coated stainless steel | electroplating| acrylic | HPL | Gres | quarz composite | marble (opt)	Polished stainless steel (std) Brushed stainless steel | powder-coated stainless steel (opt)
COMBI	+4° C +10° C						R452a		•		•	•		•	•					Polished stainless steel (std) Brushed stainless steel| brass | powder-coated stainless steel | electroplating| acrylic | HPL | Gres | quarz composite | marble (opt)	Polished stainless steel (std) Brushed stainless steel | powder-coated stainless steel (opt)
STATIC REFRIGERATED SHOWCASE WITH COIL	+4° C						R452a		•		•		•		•					Polished stainless steel (std) Brushed stainless steel| brass | powder-coated stainless steel | electroplating| acrylic | HPL | Gres | quarz composite | marble (opt)	Polished stainless steel (std) Anti-corrosion steel AISI 316 (opt) Brushed stainless steel (opt)
DRY-WARM Natural humidification kit (opt) Ventilated humidifcation kit (opt)	+80° C								•		•		•		•					Polished stainless steel (std) Brushed stainless steel| brass | powder-coated stainless steel | electroplating| acrylic | HPL | Gres | quarz composite | marble (opt)	Polished stainless steel (std) Brushed stainless steel | powder-coated stainless steel (opt)
BAIN-MARIE WARM	+80° C									3x GN 1/1		4x GN 1/1					(3+3) x GN 1/1			Polished stainless steel (std) Brushed stainless steel| brass | powder-coated stainless steel | electroplating| acrylic | HPL | Gres | quarz composite | marble (opt)	GN Gastronorm trays housing (std) Polished steel perforated plates (std)
NEUTRAL	Room temperature								•		•		•		•					Polished stainless steel (std) Brushed stainless steel| brass | powder-coated stainless steel | electroplating| acrylic | HPL | Gres | quarz composite | marble (opt)	

FLAT