EVOLUT FREZERS







654 Petrolia Road, Toronto, ON M3J 2W3 Tel: (416) 736-6166 Toll-Free: (800) 387 3570 Fax: (416) 736-9346

DEVELOPMENT GUIDED BY THE USER

100 years of experience and taking on board customer feedback have led our R&Dteam to offer you a range of ultra performance ULTFreezers. Safety, innovation and performance have been at the heart of our strategy of development and design of our devices.



100 years of experience and know-how



Sample security

The preservation of the sample has been the key to any other consideration in our product development.



ULT freezer performance

Priority has been given to fast temperature recovery without compromising the power consumption.



Product innovation

Customer feedback has led the development of our freezers with several innovations being patented.

×

Simplicity of maintenance & diagnosis

12 LEDsensors anticipate and simplify maintenance, allowing the freezer's downtime to be minimised when maintenance is necessary.

European manufacturing

The results of several years of research and development, Froilabo ULTFreezers have been conceived and designed in France and manufactured in Europe.

A scalable range

Feedback from our customers has guided the development of the Evolution, culminating in 2 models to suit your requirements, -45°C and -86°C. Both are fully F-Gascompliant and are optimised for daily use including frequent door opening.













SAMPLES Protected & secure

CO₂ and LN₂ backup options available

Secure samples

Equipped with several safety devices, Froilabo ULT freezers guarantee the long term preservation of your samples.



BoSS system (Board Substitution System)

Ensures the compressors remain operational in the event of electronic board failure. Up to 30 hours regulation on batteries, allowing time to arrange repair or maintenance.



Ergonomic intelligent handle

The ergonomically designed handle aligns the user force with the required action of unlocking or opening/closing the door. A sensor in the handle confirms door closure/locking.



Visual and audible alarms

A variety of alarms alert the user to system issues, such as temperature increase, door opening, power supply and more. The alarm events may be recorded and can be customised.



Access control

Freezer settings, such as temperature, are protected by user password. Additionally the door may be locked to restrict access to the contents within the freezer.



Powerful compressors

Essential for a rapid return to the set temperature after opening the door (cascade compressors for -86°CULTs).

Secure their environment

Froilabo ULTFreezers ensure optimal operation for the safety of your samples in all circumstances.

 $\mathcal{A} \mathcal{A} \mathcal{A}$

Micro-cuts power protection

The electronic board will accept power micro-cuts. It will minimise the number of compressor reboots and will reduce potential maintenance. In the event of power failure, the back-up battery ensures that alarm and freezer information can be displayed.



Adjustable delay

After a mains power outage, each ULTFreezer can adjust the time delay for re-start to avoid a simultaneous peak demand on the facility power supply.

EQUIPMENT FEATURES Innovative & ergonomic



External dimensions

Froilabo is the only manufacturer of ULT freezers to offer a useful volume of 690 L (24,3 cu.ft.) or 48000 2ml tubes with a device measuring less than 90cm (35.4") wide allowing it to fit through a standard doorway.



Robust Construction

An interior tank and shelves fully designed in stainless steel for intensive use and maximum life.



Easy access to samples

Pull-out shelves are anti-tipping and ease the access to sample and specimen. (Available as an option, 2 shelves maximum for the 690l model).



Heated pressure release valve

A bidirectional heated valve ensures balance between pressure and allows reopening of the door very quickly after closing.



Reduction of frost formation

The flatness of the door and the flat heated door seal help to minimize frost formation.



Removable accessories

Filter, internal doors and shelves are removable for easy maintenance and defrosting.



Easy tank cleaning

Round corners ease the cleaning and disinfection of the internal compartment.

5 second filter replacement and tool-free internal door panel extraction



PERFORMANCES Temperature & homogeneity

Cooling power and temperature homogeneity

Rapid cooling and temperature homogeneity inside the freezer are critical for sample preservation.

•

Rapid temperature pull down

Unrivalled temperature pull down allows rapid temperature recovery after door openings and restarts.



Delayed temperature rise

60 years of experience with designing insulation for ULTFreezers and the use of cryo-accumulator plates (option) retains the low temperature during door opening and power failures. +/-3 hours to go from -80°Cto -60°Cwithout cryo-accumulator and +/-6 hours with cryo-accumulator.



Rapid recovery of the set temperature

Our powerful compressors allow a return to setpoint in less than 45 minutes. This parameter is essential for optimal sample preservation.



The excellent temperature homogeneity inside the bowl allows energy saving for a same high temperature limit. $+/-5^{\circ}C$ at $-80^{\circ}C$

Optimal Thermodynamic Performance

Powerful and economic compressors combined with efficient insulation deliver the best performance/power consumption ratio.



Optimized insulation

Vacuum Insulation Panel (VIP, VACUPOR™type)combined with high density polyurethane foam offer optimal insulation. In case of power outage, the temperature rise is significantly slowed down.



Homogeneity and stability of temperature

The use of rounded corners within the tank improved heat exchange by 15%, which also contributes to energy savings.



New generation of compressors

More compact and offering improved energy performance, our new generation of compressors allow significant energy savings.

+/-4 hours Pull down to -86°C

(empty 690 L model - 22°C ambient temperature)

CONSUMPTION Optimized & controlled

Energy consumption

The energy consumption of a ULTFreezeris influenced by many factors, including the performance of the freezer and the way it is used. Froilabo provides users with all available information to help reduce power consumption of their equipment.



No one uses an empty freezer

Beware of manufacture performance and economy claims measured with empty freezers in low temperature environments. Froilabo ULTFreezers operate and are measured in the real world with large numbers of samples and realistic ambient temperatures.



ULT Freezer in use

This is the only significant measure of the real power consumption of a ULTFreezer. It is greatly influenced by the set temperature, the frequency of door opening, the ambient temperature, the filter cleanliness, the power supply stability, and many more factors.

Reducing Energy Consumption

The user can significantly reduce energy consumption by optimising operating conditions, environment and paying attention to the equipment and settings.



Eco Mode

Ability to minimise the power consumption of the freezer outside usual working hours.



Proximity sensor

Proximity sensor will only activate the screen when a user is present to conserve power.



Energy performances indicator

A colored indicator gives in real time the energetical comfort zone of the device. Green, yellow or red, the user is informed of the freezer's energy performance.



Best practices tutorial

Recommendations and tips to guide users influencing power consumption: ambient T°, cleanliness of the filter, door opening frequency, etc.

Up to 20% energy saving when using eco mode

MANAGEMENT INTERFACE Intuitive & secure



Eco Mode fundamentals

Customisable and effective, Eco Mode will help you reduce your energy consumption.



Eco Mode menu screen

Traceability of events in any circumstances

Track the temperature and other events.



Collection of data with USB port

A USBport is available for data collection. Temperature profile and alarm events are recorded and may be downloaded (CSV file).



History of events

View the temperature profile and alarm events from the last 10 hours on the intuitive touch screen.

Record 10 hours of temperature profile and alarm events

MAINTENANCE Preventive & simplified

Self-diagnosis and predictive maintenance

ULTFreezers provide a self-diagnosis that allows users to anticipate maintenance by reporting any reduction in performance.



"Diagnosis" menu

It gives a preview in real time of the operation of the device. It identifies drifts of parameters (pressure, consumption, T ° of exchange,etc.) and the status of critical components (battery, power relay contacts, etc.).



12 LED indicators

LEDindicators give quick alarms indentification (BoSSengaged, low battery, T° alarm, ...). It eases the diagnosis.

Info menu

Key figures related to conditions of use: number of door openings and times, starts of compressors, power consumption, ambient T°, etc.



Remote hotline

Thanks to the diagnosis menu, with a simple call, our technicians are able to determine the problem encountered before even intervening.

Quick and simple service

Critical elements can be replaced rapidly, minimising downtime and significantly reducing maintenance and service cost.



"Plug & Play" electronics

The electronics and display contained in the module are easily removable and can be rapidly switched without any specialised tools.



Removable cooling system

The cooling unit is mounted on a removable tray. This allows immediate cooling system replacement, avoiding the need to return the unit to the workshop.



SPECIFICATIONS

VOLUME	COMPARTMENTS	CAPACITY (2ML CRYO-TUBES)	EXTERNAL DIMENSIONS HxLxW MM (INCHES)	INNER DIMENSIONS HxLxW MM (INCHES)	NET WEIGHT (KG AND LB.)	POWER SUPPLY
340 L 12.0 cu.ft.	2	24,000	1280 x 970 x 875 (50.4 x 38.2 x 34.5)	716 x 752 x 630 (28.2 x 29.6 x 24.8)	223 kg 492 lb.	
515 L 18.1 cu.ft.	3	36,000	1640 x 970 x 875 (64.6 x 38.2 x 34.5)	1076 x 752 x 630 (42.4 x 29.6 x 24.8)	267 kg 589 lb.	230V/50Hz 110V/50-60Hz 208V/60Hz
690 L 24.3 cu.ft.	4	48,000	1998 x 970 x 875 (78.4 x 38.2 x 34.5)	1436 x 752 x 630 (56.6 x 29.6 x 24.8)	330 kg 728 lb.	



OPTIONS & STORAGE



OPTIONS LIST

CAT	REF	DESCRIPTION
SHELVES	BM/ETA2	Stainless steel shelf for BM340/BM515/BM690 (597x743 mm) (23.5 x 29.3 in.)
	BM/CO2T	Liquid CO2injection backup system. Autonomy 15 hours, flexible 3m included
	BM/FL1	Stainless steel connection flexible freezer / bottle or CO2ramp, length 2m
	BM/FL2	Stainless steel connection flexible freezer / bottle or CO2ramp, length 3m
SECURITY	BM/FL3	Stainless steel connection flexible freezer / bottle or CO2ramp, length 4m
SECORITY	BM/CRYO2E	Cryo-accumulators for BM340, (Temperature up time doubled)
	BM/CRYO3E	Cryo-accumulators for BM515, (Temperature up time doubled)
	BM/CRYO4E	Cryo-accumulators for BM690, (Temperature up time doubled)
	BM/OPT20	Padlock closure bracket (padlock supply by costumer)
	BM/OPT2E	Independent temperature probe PT100 ohms (-100°C to +50°C), connector at back
	BM/OPT3E	Independent K thermocouple (-100°C to +50°C), connector at back
	BM/OPT4E	Pt 100 ohms x3 (-100°Cto +50 °C) probes (DIN connector at the back)
TEMPERATURE CONTROL	BM/OPT5E	Sensor with 3m cable length for external calibration
& COMMUNICATIONS	BM/OPT6E	Certified temperature probe
COMMUNICATIONS	BM/OPT7E	Circular diagram temperature recorder 0°Cto -100°C(1 revolution for 7 days)
	BM/OPT9E	RS485 port
	BM/OPT13E	4-20mA output
	BM/OPT14E	Samples screen mapping
IQ/OQ/PQ	BM/QP	Performances qualification : 9 points temperature mapping, made in Froilabo factory by a certified independent organisation

STORAGE ELEMENTS

САТ	REF	DESCRIPTION	NUMBER OF SHELVES	USABLE HEIGHT MM (INCHES)	CRYOBOXES CAPACITY (133 X 133 X 51 MM) (5.23 X 5.23 X 2 IN.)	FREEZER RACKS CAPACITY (340 L / 515 L / 690 L)	
	BM/EL2T690 BM/EL2T690A	Full stainless steel 2 drawers rack Stainless steel rack with 2 aluminium drawers	2	164 (6.46)	60		
	BM/EL3T690 BM/EL3T690A	Full stainless steel 3 drawers rack Stainless steel rack with 3 aluminium drawers	3	109 (4.29)	60		
RACKS WITH DRAWERS (288x730x343mm) (11.34x28.74x13.5in.)	BM/EL4T690 BM/EL4T690A	Full stainless steel 4 drawers rack Stainless steel rack with 4 aluminium drawers	4	80 (3.15)	40	4/6/8	
	BM/EL5T690 BM/EL5T690A	Full stainless steel 5 drawers rack Stainless steel rack with 5 aluminium drawers	5	63 (2.48)	50		
	BM/EL6T690 BM/EL6T690A	Full stainless steel 6 drawers rack Stainless steel rack with 6 aluminium drawers	6	53 (2.08)	60		
	BM/EL3E690AC	Aluminium rack, 15 compartments	3	109 (4.29)	30	8/12/16	
RACKS WITH FIXED SHELVES	BM/EL4E690AC	Aluminium rack, 20 compartments	4	80 (3.15)	20		
(140x730x343mm) (5.51x28.74x13.5in.)	BM/EL5E690AC	Aluminium rack, 25 compartments	5	63 (2.48)	25	0712710	
	BM/EL6E690AC	Aluminium rack, 30 compartments	6	54 (2.12)	30		
OTHER STORAGE ELEMENTS	BM/ELE690	Stainless steel rack, 5 colums, up to 30 compartments, removables shelves.	Between 1 and 6	Between 54 and 109	160 micro-plates 96 wells 30 compartments	8/12/16	
BASKETS	BM/TIR	Stainless steel storage drawer (142x740x330 mm) (5.6 x 29.2 x 13 in.)	1	330	-	8/12/16	







TECHCOMP GROUP

In addition to Froilabo, Techcomp Europe comprises of the following companies:





©2023 Froilabo. All rights reserved. A Techcomp Company. Froilabo products are designed in France and made in E.U. The specifications and technical data presented in this datasheet are those in our possession at the date of publication. Froilabo reserves the right to make, without notice, any modifications to its products, specifications, colors, materials and technical data, or to interrupt the manufacture of the product. Images for illustration purposes only. STG10/07.23

ULT FREEZERS



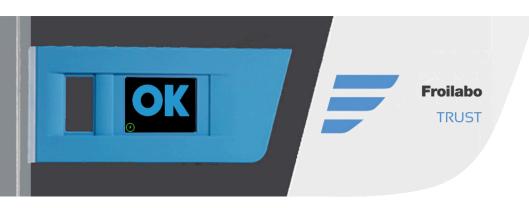




654 Petrolia Road, Toronto, ON M3J 2W3 Tel: (416) 736-6166 Toll-Free: (800) 387 3570 Fax: (416) 736-9346

DEVELOPMENT GUIDED BY THE USER

100 years of experience and taking on board customer feedback have led our R&D team to offer you a range of ultra performant ULTFreezers. Safety, innovation and performance have been at the heart of our strategy of development and design of our devices.





Sample security

The preservation of the sample has been the key to any other consideration in our product development.



ULTfreezer performance

Priority has been given to fast temperature recovery without compromising the power consumption.



Product innovation

Customer feedback has led the development of our freezers with several innovations being patented.

European manufacturing

The results of several years of research and development, Froilabo ULTFreezers have been conceived and designed in France and manufactured in Europe.

A scalable range

Feedbackfrom our customers has guided the development of the TRUST, culminating in 2 models to suit your requirements, -45°C and -86°C. Both are fully F-Gas compliant and are optimised for daily use including frequent door opening.

100 years of experience and know-how

2 models available, -45°C and -86°C with space for up to 48,000 cryotubes









DESIGN User-driven, innovative & ergonomic



External dimensions

Froilabo is the only manufacturer of ULT freezers to offer a useful volume of 690 L (24,3 cu.ft.) or 48000 2ml tubes with a device measuring less than 90cm (35.4") wide allowing it to fit through a standard doorway. It is also possible to remove the handle for 80cm (31.5") wide doorways.



Robust Construction

An interior tank and shelves fully designed in stainless steel for intensive use and maximum life.



VIP insulation as standard

Allows optimal insulation with an excellent ratio of useful spaceto external space.



Easy tank cleaning

Round corners ease the cleaning and disinfection of the internal compartment.



Removable accessories

Filter, internal doors and shelves are removable for easy maintenance and defrosting.



Ergonomic smart handle

The ergonomically designed handle aligns the user force with the required action of unlocking or opening/closing the door. A sensor in the handle confirms door closure/locking.



Reduction of frost formation

The flatness of the door and the flat heated door seal help to minimize frost formation.



Heated pressure release valve

A bidirectional heated valve ensures balance between pressure and allows reopening of the door very quickly after closing.

Ergonomic smart handle with door closure and locking sensor

Flat door and gasket design to minimise frost formation

SECURITY Comprehensive security for all your samples



Record and customize alarm event

Secure samples

Equipped with several safety devices, Froilabo ULT freezers guarantee the long term preservation of your samples.



Cascade refrigeration system

The cascadecooling system is the most efficient and the most durable for the long-term operation of your freezers.



Robust construction

The chosen components are all renowned for their robustness and durability. The compressors are manufactured in France.



Visual & Audible Alarms

A variety of alarms alert the user to system issues, such as temperature increase, door opening, power supply and more. The alarm events may be recorded and can be customised.



Dry contact (optional)

Possibility of addinga dry contact to the equipment for your remote control station



Buzzer reactivation

The buzzeris reactivated automatically in the event of a new alarm or in the event of a long alarm.



BoSS System (optional)

In the event of an incident affecting the electronic control of the device, the BoSS system guarantees continuous cold production, thus preserving the samples.

PERFORMANCE Temperature & homogeneity

Cooling power and temperature homogeneity

Optimized performances for all your needs.



Quick temperature pull down

Temperature pull down from +22°C to -80°C is +/-4h on the 690L model (empty freezer).



Temperature homogeneity

The excellent temperature homogeneity inside the tank guarantees identical storage conditions for all samples (+/-5°C at -80°C).



Delayed temperature rise

The VIP insulation throughout the range makes it possible to control the temperature rise during door openings and in the event of a power failure. "Cryo-accumulator" plates can be proposed as an option to further increase the warm-up time during door opening and power failures. +/-3 hours to go from -80°C to -60°C without cryo-accumulator and +/-6 hours with cryo-accumulator.



Rapid recovery of the set temperature

Our powerful compressors allow a return to setpoint in less than 45 minutes. This parameter is essential for optimal sample preservation.



Cascade compressors

Latest generation compressors made in France for optimal performance and controlled power consumption.



F-Gas conformity

The refrigerants fluids used in Froilabo ULT freezers all comply with the new F-Gas regulations (UEn°517/2014).

Optimal Thermodynamic Performance

Powerful and economic compressors combined with efficient insulation deliver the best performance/power consumption ratio.



Optimized insulation

Vacuum Insulation Panel (VIP,VACUPOR™type)combined with high density polyurethane foam offer optimal insulation. In case of power outage, the temperature rise is significantly slowed down.



Homogeneity and stability of temperature

The use of rounded corners within the tank improved heat exchange by 15%, which also contributes to energy savings.

Return to set temperature in less than 45 minutes

ECONOMY Optimized & controlled

Energy consumption

The energy consumption of a ULTFreezer is influenced by many factors, including the performance of the freezer and the way it is used. Froilabo provides users with all available information to help reduce power consumption of their equipment.

No one uses an empty freezer

Beware of manufacture performance and economy claims measured with empty freezers in low temperature environments. Froilabo ULTFreezers operate and are measured in the real world with large numbers of samples and realistic ambient temperatures.

ULTFreezer in use

This is the only significant measure of the real power consumption of a ULT Freezer. It is greatly influenced by the set temperature, the frequency of door opening, the ambient temperature, the filter cleanliness, the power supply stability, and many more factors.





Clear, simple,

display with

visual and audible

alarms

eve-level

INTERFACE Intuitive and clear, eye-level display



Instant checking of the freezer

The general functioning of the device and the perfect security of your samples can be verified at a glance thanks to the OK indicator on the door.



Visuals and audible alarms

In the event of an alarm, a pictogram is displayed to identify the current alarm and assist you in the diagnosis. The audible alarm can be silenced by pressing the flashing red panel.



Visible regulator

The regulator is visible at the bottom of the freezer for setpoint setting and easy alarm thresholds. If needed, the display of the actual temperature of the freezer is carried out continuously on the regulator.

Clear, simple and user-friendly interface

Thanks to its eye level display, the Trust range continuously updates you on freezer function and alarms. Some of the indicators are decribed below.



Main power indicator

This icon appears when the 230 VAC power supply is connected. It disappears when the 230 VAC power supply is disconnected. If this alarm is silenced via the button on the front, it restarts after 30 minutes.



Setpoint temperature not reached

This light indicates that the set temperature inside the freezer has not been reached. Check the setting on the regulator or contact after-sales service. If this alarm is switched off via the front button, it restarts after 4 hours.



CP1 overpressure

This warning light appears when the pressure in the cooling circuit of compressor no. 1 (CP1) is too high. The compressor is switched off for 5 minutes. Please check that nothing is obstructing the air filter, also check the condition of the air filter. After 3 alarms in 24 hours, the light appears definitively. In this case, contact the after-sales service. If this alarm is muted via the button on the front, it restarts after 4 hours



Battery charge fault

This LED indicates that the battery state of charge is very low. Charge the battery as soon as possible. This alarm does not trigger any audible signal from the freezer.



Door open alarm

This light appears when the door remains open for more than 2 minutes. It disappears when closing the door. If the alarm is silenced via the button on the front, it restarts after 10 minutes.



Machine problem

This light indicates that the compressor has beenrunning nonstop for more than 10 hours. Contact the after-sales service as soon as possible. If the alarm is silenced via the button on the front, it restarts after 4 hours.



CO2injection in progress

This light flashes with each injection of CO2/ N2. Injections occur every second, so it is normal for the light to flash. If the alarm is muted via the button on the front, it restarts after 4 hours.

MAINTENANCE Preventive & simplified

Self-diagnosis and predictive maintenance

ULTFreezers provide a self-diagnosis that allows users to anticipate maintenance by reporting any reduction in performance.



"Plug & Play" electronics

The electronics and display contained in the module are easily removable and can be rapidly switched without any specialised tools.



Removable cooling system

The cooling unit is mounted on a removable tray. This allows immediate cooling system replacement, avoiding the need to return the unit to the workshop.



Maintenance advice

To maintain freezer performance we recommend you completely defrost your appliancetwice a year. In order to prolong its life, remember to do preventive maintenance once a year. For more information, please contact us.



7 LED indicators

The display incorporates several pictograms of alarms allowing quick identification of a default. The "OK" icons indicates the correct operation of your freezer.



Removable filter

Clogging of the filter causes a decrease in the performance of the freezer or even a stop in the most critical cases. The filter is removable for easy cleaning and maintaining a high level of performance.



Remote hotline

Thanks to the diagnosis menu, with a simple call, our technicians are able to determine the problem encountered before even intervening.



SPECIFICATIONS

VOLUME	COMPARTMENTS	CAPACITY (2ML CRYO-TUBES)	EXTERNAL DIMENSIONS HxLxW MM (INCHES)	INNER DIMENSIONS HxLxW MM (INCHES)	NET WEIGHT (KG AND LB.)	POWER SUPPLY
340 L 12.0 cu.ft.	2	24,000	1280 x 970 x 875 (50.4 x 38.2 x 34.5)	716 x 752 x 630 (28.2 x 29.6 x 24.8)	223 kg 492 lb.	
515 L 18.1 cu.ft.	3	36,000	1640 x 970 x 875 (64.6 x 38.2 x 34.5)	1076 x 752 x 630 (42.4 x 29.6 x 24.8)	267 kg 589 lb.	230V/50Hz 110V/50-60Hz 208V/60Hz
690 L 24.3 cu.ft.	4	48,000	1990 x 970 x 875 (78.4 x 38.2 x 34.5)	1436 x 752 x 630 (56.6 x 29.6 x 24.8)	330 kg 728 lb.	



OPTIONS & STORAGE

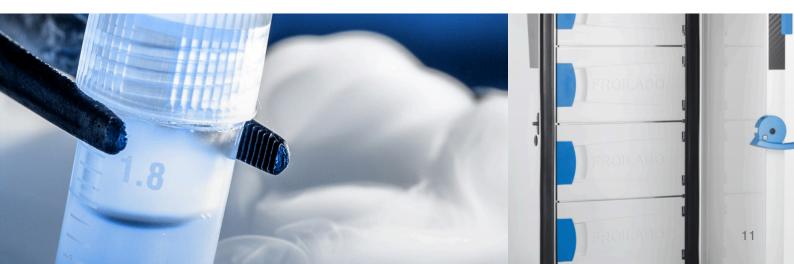


OPTIONS LIST

САТ	REF	DESCRIPTION		
SHELVES	BM/ETA2	Stainless steel shelf for BM340/BM515/BM690 (597x743 mm) (23.5 x 29.3 in.)		
	BM/CO2T	Liquid CO2injection backup system. Autonomy 15 hours, flexible 3m included		
	BM/CRYO2E	Cryo accumulators for BM340, +/- 6 hours of additional autonomy		
SECURITY	BM/CRYO3E	Cryo accumulators for BM515, +/- 6 hours of additional autonomy		
SECORITY	BM/CRYO4E	Cryo accumulators for BM690, +/- 6 hours of additional autonomy		
	BM/OPT19	BoSSsystem (factory installation)		
	BM/OPT20	Padlock closure bracket (padlock supplied by customer)		
	BM/OPT4E	Pt 100 ohms x3 (-100°Cà +50 °C) probes (DIN connector at the back)		
TEMPERATURE	BM/OPT5E	Sensor with 3m cable length for external calibration		
00.11102	BM/OPT7E	Circular diagram temperature recorder 0°Cto -100°C(1 revolution for 7 days)		
COMMUNICATIONS	BM/OPT13E	4-20mA output		
OPTIONS	BM/OPT18	Dry contacts NO/C/NC (external box)		
IQ/OQ	BM/QIQO	Installation and qualification IQ/OQ (without travelling expenses)		

STORAGE ELEMENTS

САТ	REF	DESCRIPTION	NUMBER OF SHELVES	USABLE HEIGHT MM (INCHES)	CRYOBOXES CAPACITY (133 X 133 X 51 MM) (5.23 X 5.23 X 2 IN.)	FREEZER RACKS CAPACITY (340 L / 515 L / 690 L)	
	BM/EL2T690 BM/EL2T690A	Full stainless steel 2 drawers rack Stainless steel rack	2	164 (6.46)	60		
	BM/EL3T690	with 2 aluminium drawers Full stainless steel 3 drawers rack Stainless steel rack	3	109 (4.29)	60		
	BM/EL3T690A	with 3 aluminium drawers					
RACKS WITH DRAWERS (288x730x343mm) (11.34x28.74x13.5in.)	BM/EL4T690 BM/EL4T690A	4 drawers rack Stainless steel rack with 4 aluminium drawers	4	4 80 (3.15)	40	4 / 6 / 8	
	BM/EL5T690	Full stainless steel 5 drawers rack	5	63 (2.48)	50		
	BM/EL5T690A	Stainless steel rack with 5 aluminium drawers					
	BM/EL6T690 BM/EL6T690A	Full stainless steel 6 drawers rack Stainless steel rack with 6 aluminium drawers	6 53 (2.08) 60				
	BM/EL3E690AC	Aluminium rack, 15 compartments	3	109 (4.29)	30		
RACKS WITH FIXED SHELVES	BM/EL4E690AC	Aluminium rack, 20 compartments	4	80 (3.15)	20	0/40/40	
(140x730x343mm) (5.51x28.74x13.5in.)	BM/EL5E690AC	Aluminium rack, 25 compartments	5	63 (2.48)	25	8/12/16	
	BM/EL6E690AC	Aluminium rack, 30 compartments	6	54 (2.12)	30		
OTHER STORAGE ELEMENTS	BM/ELE690	Stainless steel rack, 5 colums, up to 30 compartments, removable shelves.	Between 1 and 6	Between 54 and 109	160 micro-plates 96 wells 30 compartments	8/12/16	
BASKETS	BM/TIR	Stainless steel storage drawer (142x740x330 mm) (5.6 x 29.2 x 13 in.)	1	330	_	8/12/16	





TECHCOMP GROUP

In addition to Froilabo, Techcomp Europe comprises of the following companies:





 Toronto, ON M3J 2W3

 5 avenue Lionel Terray, E3347 3576

 Tel: +33478 047 575

 Fax: (416) 736-9346

 froilabo.com

©2023 Froilabo. All rights reserved. A Techcomp Company. Froilabo products are designed in France and made in E.U. The specifications and technical data presented in this datasheet are those in our possession at the date of publication. Froilabo reserves the right to make, without notice, any modifications to its products, specifications, colors, materials and technical data, or to interrupt the manufacture of the product. Images for illustration purposes only. STG08 / 07.23