



Portable refrigerator for the transport of chilled and frozen laboratory samples at a controlled temperature

- Available in 4 versions with different temperature adjustment range.
- Suitable for the transport of laboratory samples for clinical testing and environmental analysis, vaccines, pharmaceuticals, chemotherapy products, blood and blood products, organs.
- 140 litres of capacity.
- The heating unit is triggered when external temperature is lower than the temperature set with the programmable digital thermostat. This allows to maintain a constant temperature even in case of very low external temperatures
- The refrigerating unit is triggered when external temperature is higher than the temperature set with the programmable digital thermostat. This allows to maintain a constant temperature even in case of very high external temperatures.
- Accurate and reliable temperature control.
- Total compliance with the cold chain at all stages of transport.
- It can be transported using conventional vehicles: it allows to simultaneously transport chilled, frozen, and ambient temperature laboratory samples using a single non-insulated vehicle.
- Dual power source: during transport it can be connected to the battery (or auxiliary battery) of the vehicle and, at the destination, it can be connected to mains power.
- Produced with rotational moulding technology: the container and the lid have a monolithic structure (no sharp corners, junctions and welds).
- Fully recyclable at the end of the operating life.

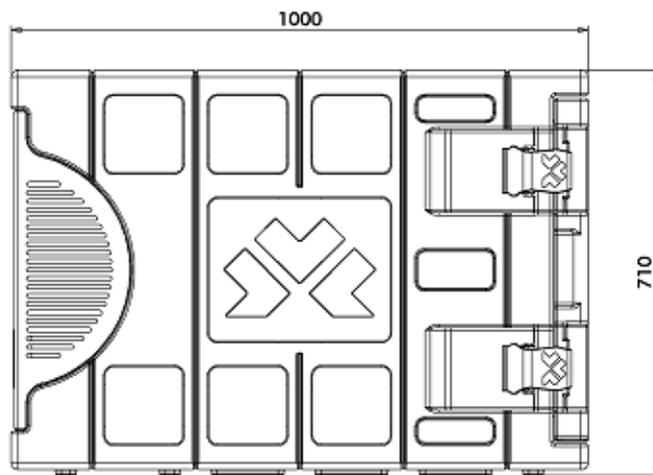
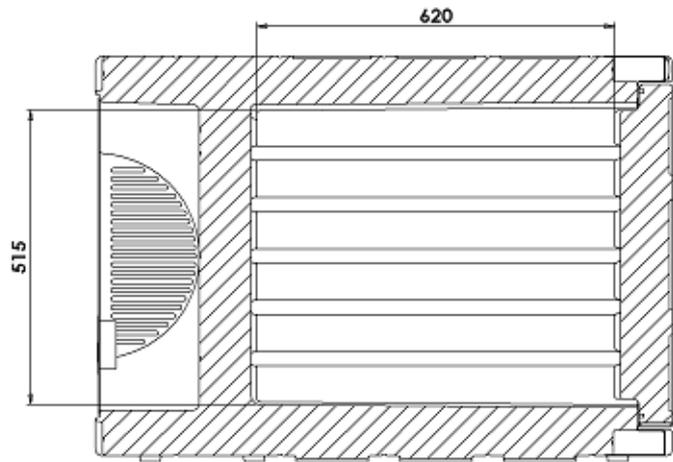
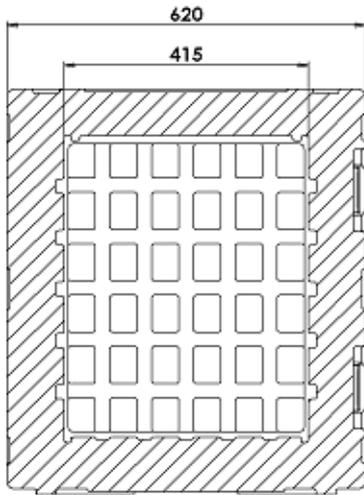
MANUFACTURING MATERIALS

Polyethylene	inner and outer walls of the container and of the door; food contact safe	Polyurethane	insulating material between the walls of the container and of the door; free of CFC and HCFC
Silicone rubber	gasket	Polyamide and fiberglass	latches
Stainless steel	Carry handles	Aluminium	Casing and hinges

CHARACTERISTICS

<p>Temperature range</p>	<ul style="list-style-type: none"> • 0°C to +40°C • -18°C to +40°C • -25°C to +40°C • -30°C to +40°C 	<p>+/- 0.5 °C</p>	<p>Degree of accuracy in temperature adjustment:</p> <ul style="list-style-type: none"> • +/-0.5 °C.
	<p>Protection against voltage drops of the vehicle battery, in case of voltage drop below the limit value of 11V.</p>		<p>Adjustment and control of the temperature with programmable digital thermostat.</p>
	<p>Equipped with two cables: for 100/240Vac 50-60Hz power supply;</p>		<p>for 12Vdc power supply</p> <ul style="list-style-type: none"> • with fork terminals for connection to the battery of the vehicle • with cigarette lighter socket (depending on versions, see table in technical specifications for detailed information)
	<p>Cooling unit performance guaranteed for use at ambient temperature:</p> <ul style="list-style-type: none"> • +10°C to +30°C. 		<p>Container (insulated case) guaranteed for use:</p> <ul style="list-style-type: none"> • -30° to +100°C.
	<p>Cooling unit with static evaporator.</p>		<p>Easily removable door gasket.</p>
	<p>Provided with door openable up to 240°, with hinge integrated in the container</p>		<p>Provided with stainless steel integrated carry handles.</p>
	<p>5 seats to house grids located at 62/152/242/332/422 mm from the base of the container. Grids available on request.</p>		<p>Closure in shockproof material.</p>
	<p>Monolithic structure, no sharp corners, junctions and welds.</p>		<p>Insulated with CFC and HCFC-free polyurethane foam.</p>
	<p>Stainless steel grid for load allocation, available upon request.</p>		<p>Stainless steel interlocking kit available to interlock two stacked containers.</p>
	<p>USB data logger available (on request) to record temperature data during transport.</p>	<p>K</p>	<p>Heat transfer global coefficient: K=0.35 W/m²K</p>

TECHNICAL SPECIFICATIONS



Model	Code	12V power supply Fork terminal	12 V power supply Cigarette lighter socket	Power input	Fuses
Biomed 140 0°C to +40°C	A1409003		✓	0.35A 230Vac 7A 12Vdc	4A for 230Vac 15A for 12Vdc
Biomed 140 -18°C to +40°C	A1409005		✓	0.35A 230Vac 7A 12Vdc	4A for 230Vac 15A for 12Vdc
Biomed 140 -25°C to +40°C	A1409006	✓		1A 230Vac 20A 12Vdc	4A for 230Vac 30A for 12Vdc
Biomed 140 -30°C to +40°C	A1409002	✓		1A 230Vac 20A 12Vdc	4A for 230Vac 30A for 12Vdc

Model	Code	Colour	External dim. (mm)	Internal dim. (mm)	Capacity l	Weight Kg
Biomed 140 0°C to +40°C	A1409003	grey/blue melange	620x1000xh710	415x620xh515	135	46
Biomed 140 -18°C to +40°C	A1409005	grey/blue melange	620x1000xh710	415x620xh515	135	46
Biomed 140 -25°C to +40°C	A1409006	grey/blue melange	620x1000xh710	415x620xh515	135	46
Biomed 140 -30°C to +40°C	A1409002	grey/blue melange	620x1000xh710	415x620xh515	135	46
Grid stainless	AEA030	stainless	425x620xh12			2
Locking kit 2 latches	RRI137					1.2
Data logger USB	AFG002		80x33xh14			
ATP homologation certificate FRCX class	AOD013/C					

