

Koala 90 Biomedical refrigerated container

Temperature adjustment range: 0°C to +40°C.

PRODUCT TYPE

Portable refrigerator, featuring a capacity of 90 litres.

SUITABLE FOR

Operators working in the biomedical industry, analysis laboratories, pharmaceutical manufacturers and distributors.

INTENDED USE

For the transport and storage under controlled temperature conditions of laboratory samples for clinical testing and environmental analysis, vaccines, pharmaceuticals, chemotherapy products, blood and blood products, organs.



ADVANTAGES AND BENEFITS

- Maintains contents (warm or chilled) at a constant temperature, from 0°C to + 40°C, with external temperatures of +30°C.
- The heating unit is triggered when external temperature is lower than the one set for the content. 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 one set for the content. This allows to maintain a constant temperature even in case of very high external temperatures.
- It preserves the chemical and physical characteristics of products during transport.
- It can be transported using conventional vehicles: it allows to simultaneously transport frozen, chilled and ambient temperature products using a single non-insulated vehicle.
- Equipped with a very low-consumption cooling unit.
- Easy and accurate temperature control, thanks to the programmable digital thermostat.
- Double power supply: during transport it can be connected to the vehicle's cigarette lighter socket; after reaching the intended destination, it can be connected to the mains power supply.
- Refrigerating unit designed to withstand the mechanical stresses resulting from transport.
- Large and practical front opening.
- Equipped with twelve constant pitch runners, it allows to transport different combinations of GN1/1 pans and submultiples.
- Stainless steel grids shelves are available, upon request, to improve load distribution.
- Handling trolley, lightweight, strong and practical, available upon request.
- An optional interlocking kit allows securing a the refrigerated container to its trolley.
- One-piece moulding: perfectly tight, shockproof and without any sharp edges, joints or welds.
- The materials used for manufacturing are suitable for food contact over the whole container surface.
- The unit's design criteria allow to properly perform the cleaning and disinfecting operations (EC Reg. 852/2004 –HACCP-).
- It allows to properly operate in HACCP environment (EC Reg. 852/2004).
- Environmental impact decidedly smaller than that of less durable containers.
- Fully recyclable at the end of the operating life.

TECHNICAL CHARACTERISTICS

- Manufactured using the rotational moulding technology, allowing production of very sturdy objects without sharp edges, joints or welds, whilst assuring highly efficient temperature retention.
- Container insulated with CFC- and HCFC-free polyurethane foam.
- Container (isothermal box) guaranteed for use at temperatures ranging between -30° and $+100^{\circ}\text{C}$.
- Cooling unit performances guaranteed at operating ambient temperatures up to $+30^{\circ}\text{C}$.
- Supply voltage: 12 V d.c. or 100 / 240 V a.c. - 50 / 60 Hz.
- Rated input current:
 - 8 A at 12 V d.c.;
 - 0.42 A at 230 V a.c.
- Equipped with two non-interchangeable power supply cables, one of which equipped with cigarette lighter plug.
- 15 A protection fuse (for 12 V d.c.); 4 A protection fuse (for 230 V a.c.).
- Protection against excessive vehicle battery voltage drop, thanks to the automatic disconnection of the cooling unit power supply, should the battery voltage drop below 11V.
- Temperature control and adjustment by means of a programmable digital thermostat.
- Degree of accuracy in temperature control: $\pm 0.5^{\circ}\text{C}$.
- It features a practical and effective fastening system, consisting of two catches made of shockproof material and of an easily removable door gasket.
- Equipped with integrated stainless steel handles, comfortable, safe and extremely functional.
- Equipped with hinges made of shockproof material, featuring high resistance to stresses.
- Equipped with a door that can be opened up to 240° , easily removable, for easier washing.
- Equipped with an adjustable venting valve.
- Sealed compressor with electronic adjustment and control unit equipped with a protection against current surges.
- Refrigerating gas: R134a

AVAILABILITY

Model	Colour	Code	External Dim. (mm)	Internal Dim. (mm)	Capacity l	Weight Kg
Koala 90 Biomedical rear cooling unit, static	grey blue melange	AF129040	440x830x650 h	330x533x505 h	90	27
Stainless steel GN grid shelf for Koala 90	stainless steel	AEA020	530x325x12 h			1,28
Trolley for Koala 90	grey blue melange	THS20009	505x685x205 h			8
Card label kit		RRI157	100 pezzi per Kit			
Mono interlocking kit		RRI137	2 pezzi per Kit			0,6