

Refrigerators - Freezers
Ekofrigolab & Ekobasic Series



PRO

ECO

→ Angelantoni Life Science S.r.l. manufactures a wide range of refrigerated cabinets and combined refrigerator/freezer cabinets. We offer high reliability and flexibility in sample and drugs storage for biotechnical industry.

Ekofrigolab series /Optional

- Chart recorder.
- Shelf.
- Drawer.
- Dividers.
- 23-50 mm port hole.
- Bioguard®.
- Software.
- External stainless steel execution.
- PT 100 probe.
- Remote cooling system.
- Serial interface.
- Safety key lock for control panel.



Ekobasic series /Optional

- Chart recorder.
- Shelf.
- Drawer.
- Dividers.
- 23-50 mm port hole.
- External stainless steel execution.
- PT 100 probe.



- **Ekofrigolab** series: Professional Line.
- **Ekobasic** series: Basic Line.

Technical features

Structure /Zinc plated steel to ensure durability. Internal chamber in stainless steel AISI 304 with rounded corners for easy cleaning.

EKOFRIGOLAB models are provided with castors for easy moving and adjustable feet for proper positioning.

EKOBASIC models are provided with adjustable feet for proper positioning.

Door /Made with same features of the frame, equipped with a magnetic lock, odorless rubber gaskets and anti-moisture resistor on the door.

Mechanical door lock at 90°, to facilitate the loading and unloading of samples.

Key lock to preclude access to unauthorized personnel.

Double door for two temperatures refrigerators.

Model with glass door are equipped with anodized aluminum frame and triple anti-moisture tempered glass.

Port hole /Diameter 23 mm, with rubber cap for the insertion of additional probes.

Shelves /Stainless steel internal shelves adjustable in height.

Inner Lamp /Door open courtesy light.

Insulation /Injected CFC-free foamed polyurethane. The 75 mm thickness offers a significant energy saving.

Cooling system /Fully sealed, placed on the top side of the cabinet, featuring a low noise hermetic compressor and air condenser.

Copper pipes evaporator.

Inner ventilation.

Regulation and control system

EKOFRIGOLAB models: microprocessor controller E2003, with two independent sections, the first one to set and control temperature, the second one to manage the alarm system and display temperature.

Rechargeable buffer battery (12 V, 2Ah) to maintain the alarm system on for 48 hours in case of power outage.

Configured for a remote replication of alarms.

Optional RS 485/422/232 serial interface.

Optional CRYOLOG software for monitoring of equipment parameters and alarms.

EKOBASIC models: microprocessor control board HTWL.

Acoustic and visual high and low temperature alarms.

Remote alarms contacts.

Rechargeable back-up battery.

01



Technical specifications

Model	EKOBASIC			
	700/1 TN - 700/1 TN.GL	700/1 BT - 700/1 BT.GL	900/1 TN - 900/1 TN.GL	900/1 BT - 900/1 BT.GL
Nominal capacity (l)	700		900	
Temperature range (°C)	0 / +15	-10 / -20	0 / +15	-10 / -20
Supply voltage (V)*	230V +6% -10% / 1 / 50 Hz			
Maximum absorbed current (A)	3,3	3,8	3,3	3,8
Cooling gas	R404A			
External dimensions (mm)	740×815×1998		810×1015×1998	
Internal dimensions (mm)	590×675×1500		660×875×1500	
Overall weight with standard packaging (Kg)	130	140	160	170
Noise level (dbA)	49			

Model	1500/2 TN - 1500/2 TN.GL	1500/2 BT
	Nominal capacity (l)	1500
Temperature range (°C)	0 / +15	-10 / -20
Supply voltage (V)*	230V +6% -10% / 1 / 50 Hz	
Maximum absorbed current (A)	3,5	3,8
Cooling gas	R404A	
External dimensions (mm)	1480×815×1998	
Internal dimensions (mm)	1330×675×1500	
Overall weight with standard packaging (Kg)	210	210
Noise level (dbA)	49	

Model	EKOFRIGOLAB				
	700/1 TN - 700/1 TN.GL	700/1 BT - 700/1 BT.GL	700/1 LT	1500/2 TN - 1500/2 TN.GL	1500/2 BT - 1500/2 BT.GL
Nominal capacity (l)	700			1500	
Temperature range (°C)***	0 / +15	-10 / -23	-10 / -30	0 / +15	-10 / -23
Supply voltage (V)**	230V +6% -10% / 1 / 50 Hz				
Maximum absorbed current (A)	5 / 5,5		6	5,5	5,8
Cooling gas	R134A	R404A		R134A	R404A
External dimensions (mm)	740×815×1998			1480×815×1998	
Internal dimensions (mm)	590×675×1500			1330×675×1500	
Overall weight with standard packaging (Kg)	140 / 170		170	250 / 260	
Noise level (dbA)	43	45	56	43	45

→ Illustration, description and technical data may be changed without notice.

(*) 230V/60Hz models are also available

(**) 230V/60Hz and 115V/60Hz models are also available

(***) 250, 700 and 1500 liters with double compartments are also available. Refrigerator compartment (0/ +15 °C) and freezer compartment (-10/-25°C) have the same size.

02 | 03

01. Ekofrigolab control board.
02. Ekobasic family.
03. Ekobasic control board.



Refrigerators - Freezers

Ekofrigolab & Ekobasic Series

- **Wide range of capacities from 130 to 1500 liters.**
- **Innovative control system.**
- **Low energy consumption.**
- **Maximum uniformity of temperature.**
- **Very low noise cooling system.**
- **Easy to clean.**





ANGELANTONI
GROUP
MORE THAN
YOU THINK

Angelantoni Life Science S.r.l.

Località Cimacolle, 464 - 06056 Massa Martana (PG) Italy
ph. (+39) 075.89551 (a.r.) - fax (+39) 075.8955312
biomedical@angelantoni.it

www.angelantonilifescience.it

