

Slim-type medical cool box
MediFridge

Eco-friendly non-fluorocarbon refrigerant is used.
The EC(Eco Control)mode for wide set temperature range or
The HC(High Control)mode for high-accuracy temperature control can be selected.



Specifications

FMS-125GSX

Technical drawing of the FMS-125GSX unit. The front view shows a height of 1430 mm and a width of 500 mm. The side view shows a depth of 450 mm, a top panel width of 48 mm, a main body width of 260 mm, a bottom panel width of 48 mm, a total depth of 632 mm, and a rear panel height of 215 mm. A locking device is indicated at the bottom.

FMS-175GSX

Technical drawing of the FMS-175GSX unit. The front view shows a height of 1870 mm and a width of 500 mm. The side view shows a depth of 450 mm, a top panel width of 48 mm, a main body width of 260 mm, a bottom panel width of 48 mm, a total depth of 632 mm, and a rear panel height of 215 mm. A locking device is indicated at the bottom.

FMS-305GSX

Technical drawing of the FMS-305GSX unit. The front view shows a height of 1870 mm and a width of 500 mm. The side view shows a depth of 650 mm, a top panel width of 48 mm, a main body width of 460 mm, a bottom panel width of 48 mm, a total depth of 632 mm, and a rear panel height of 215 mm. A locking device is indicated at the bottom.

Model name		FMS-125GSX	FMS-175GSX	FMS-305GSX	
Size	Outer shape (mm) (width x depth x height)	500×450(548)×1430	500×450(548)×1870	500×650(748)×1870	
	Inner shape (mm) (width x depth x height)	420×285×897	420×285×1347	420×485×1347	
Effective inner capacity (L)		121L	179L	303L	
Product weight (kg)		64kg	76kg	88kg	
Material	Exterior	Coated steel plate			
	Interior	Coated steel plate, collar steel plate			
	Door	Surface:coated steel plate, rear face:coated steel plate Special double glass Magnet type 1 door			
	Insulator	Hard polyurethane integrated foam			
Set temperature range		EC mode: 2 to 25℃ / HC mode: 3 to 5℃			
Temperature fluctuation range		EC mode: 4℃ (no load, ambient temperature -5 to 35℃) / HC mode: 2℃ (no load, ambient temperature 1 to 30℃)			
Cooling system	Compressor nominal output	90W			
	Refrigerant control method	Capillary tube			
	Condenser	Wire tube type			
	Cooler	Forced ventilation type finned tube type			
	Refrigerant	R1234yf			
Power	Temperature control	Microcomputer control digital temperature indication			
	Defrosting method	Automatic detection type cycle defrost			
	Applicable breaker	Single-phase 100V 15A 50/60Hz			
	Applicable outlet	Grounding bipolar 15A 125V			
	Allowable voltage range (V)	90~110			
Electric properties	Cooling time (50/60Hz)	Operating current (A)	1.9/1.7	2.2/2.0	
		Starting current (A)	16/16	16/16	
		Power consumption (W)	133/133	152/131	
		Power factor (%)	68/79	68/78	
	Warming time (low outdoor air temperature) (50/60Hz)	Operating current (A)	1.2/1.2	1.2/1.2	
		Power consumption (W)	115/115	122/122	
Using ambient environment(℃)		-5~35℃ 80% RH or lower			
Radiation amount (50/60Hz)		265/280W	290/315W	300/300W	
Caster		Four swivel casters			
Accessories		3 sheets, key	5 sheets, key		
Alarm contents		High temperature, cold temperature, and door opening warning, filter inspection sign, etc.			

Sheet dimensions (mm)

Diagram showing the sheet dimensions for the FMS-125GSX/175GSX/(305GSX) units. The dimensions are 408 mm in width and 271 (471) mm in height.

FMS-125GSX/175GSX/(305GSX)

Outlet shape

Single-phase 100V
grounding type
Bipolar 15A 125V

Be sure to use the
outlet with a
grounding electrode.

Precautions concerning facilities
The non-fluorocarbon products use flammable substances as refrigerant.
Install the product in a place where the minimum installation floor area is secured to use the product safely even if the refrigerant leaks.



Flammable substances



≥3.3m²
Minimum installation floor area

To ensure safety, Fukushima's products are compliant with the standards ^(*) of the Japan Refrigeration and Air Conditioning Industry Association.

*1 Japan Refrigeration and Air Conditioning Industry Association JRA4078
*Safety function requirements in case of refrigerant leak of built-in type freezing-refrigerating equipment using flammable refrigerant

Validation support service

We prove and document the appropriateness of the quality of product performance at each stage of installation (IQ)/operation (OQ) and report it in writing. We provide support so that customers can use our products safely for a long term.



FUKUSHIMA GALILEI CO.LTD.

- ⚠ Safety precautions**
- The products shown in this leaflet are for indoor use. Please use and store the products in places not exposed to rainwater.
 - Read the "instruction manual" carefully before correct use of the product.
 - Specifications and appearances are subject to change without notice for reform.
 - The colors of products in this leaflet may be slightly different from the actual products due to print conditions.
 - The prices of all products listed in this leaflet do not include consumption tax.
 - "Precautions for use" label is affixed to products.
 - Download the catalogs and specifications from:
[URL https://www.galilei.co.jp](https://www.galilei.co.jp)

For inquiries about and ordering products made by Fukushima GALILEI Co. Ltd.

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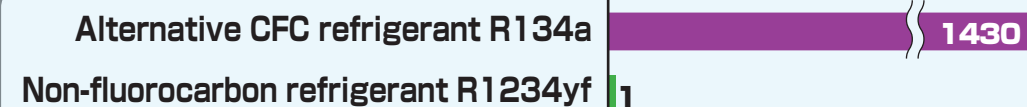


Features

Non-fluorocarbon refrigerant

The refrigerant is friendly to the global environment because it has low global warming potential. Also, the refrigerant does not fall within the scope of the Fluorocarbons Emission Control Act.

Comparison of global warming potential (GWP)



※The GWP numeric values are quoted from the Ministry of Economy, Trade and Industry Notification No. 54 and ISO5149-1.

Operating mode switching function

EC (Eco Control) mode

This mode allows a wide range of temperature setting from 2°C to 25°C. It allows the storage of not only cooling-requiring medicines but also ambient-temperature medicines.



EC (Eco Control) mode
Indicated by the unit of 1°C

HC (High Control) mode

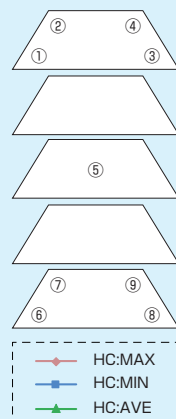
The set temperature can be selected from 3°C, 4°C, and 5°C.
●Temperature distribution (within ±1°C from the set temperature)
●This mode reduces temperature fluctuation range and achieves more stable inner temperature.



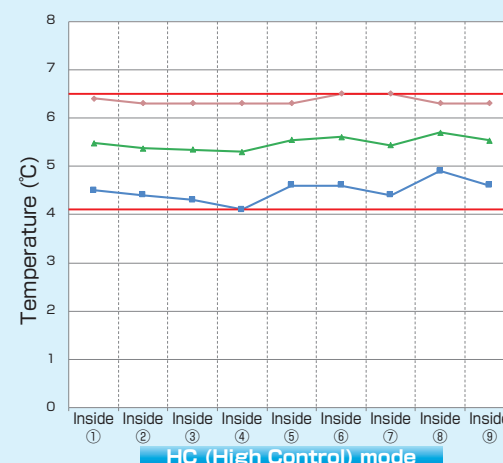
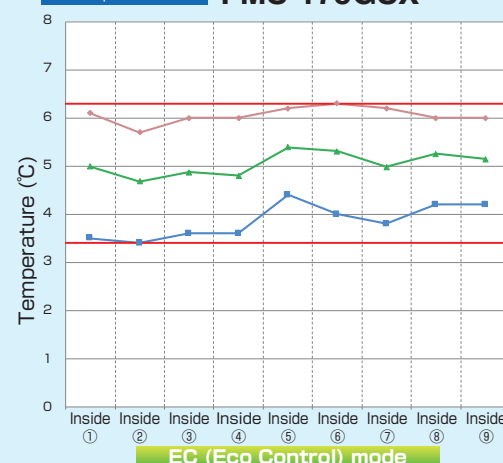
HC (High Control) mode
Indicates the temperature from 1°C to 7°C by the unit of 0.1°C.

This mode is optimal for storing medicines that require rigorous temperature control.

Measurement points



Set temperature : 5 °C FMS-175GSX



※Measurement conditions: ambient temperature 30°C, humidity 60%, no load, air temperature measurement at 9 points inside medial cool box
※Characteristic values may differ according to product, operation and set conditions.
※Each data are measured based on criterion of our company.

Selectable color variations

The color of your choice can be selected from 6 color variations.
In addition to the standard color (ivory), 6 colors (brown, pink, orange, yellow, green, and sky blue) are available. The color of your choice can be selected from the color variations.

Creating the space functionally

For total coordination of colors, the color of machine room panel and ceiling decoration part of the product can be selected according to internal appearance.

Zoning

Zoning by color makes recognition of each section easier. The use of color of the image that corresponds to the subject of medical treatment enables intuitive judgment and understanding.

Storage that can be recognized by reagents, chemicals and person in charge

The change of product colors by materials to be stored and persons in charge enables visual judgement and prevents mistake.



※The above shows reference colors. The reference colors may slightly differ from actual product colors.
※No additional cost is required if you have requested the color at the time of purchase.



Lineup



EC mode 2°C to 25°C
HC mode 3°C to 5°C

FMS-125GSX※1

Effective inner capacity
121L

Outside dimensions:W500×D450(548)×H1,430mm
Inside dimensions:W420×D285×H897mm

※1 Fall prevention measures are required.



EC mode 2°C to 25°C
HC mode 3°C to 5°C

FMS-175GSX※1

Effective inner capacity
179L

Outside dimensions:W500×D450(548)×H1,870mm
Inside dimensions:W420×D285×H1,347mm



EC mode 2°C to 25°C
HC mode 3°C to 5°C

FMS-305GSX

Effective inner capacity
303L

Outside dimensions:W500×D650(748)×H1,870mm
Inside dimensions:W420×D485×H1,347mm

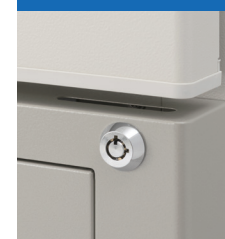
Standard equipment

Casters



Four swivel casters make carry-in and relocation easy.

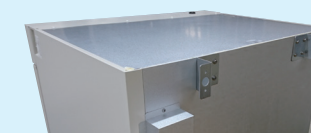
Locking device



Individual key for each unit is used.

Wall fixing bracket

Take safety measures just in case



Option

Thermo recorder

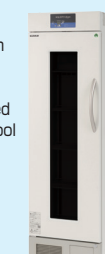
The history of inner temperature can be automatically recorded.
※Comes with one year's worth of recording paper (12 pieces).

Recording range
-10 to +44°C
(recording accuracy ±2°C)



Light shield film

Shields ultraviolet and other light from the outside. Can be used for medicines that need to be stored in a cool and dark place.



Glassless



※No additional cost is required.

Right-hand-opening



Safety box

Large-size type
Outside dimensions:
W305×D214×H363mm
Weight:5.1kg
Miniature type
Outside dimensions:
W255×D150×H215mm
Weight:3.0kg

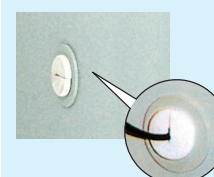


※Mounting brackets are separately required.

Temperature data logger

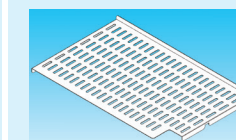


Measurement hole
The holes prevent a leakage of cold air when a sensor is inserted.



Punched plates

Optimal for putting small bottles.



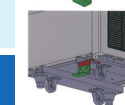
Alarm contact

Racks (with a receiver)

FMS - 125GSX
175GSX
305GSX

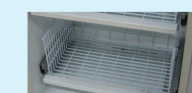
Floor fixing bracket

Set of 2 pieces



Slide rack

The slide rack is convenient for loading and unloading chemicals and samples. (only for the two bottom deck)
※The slide racks can be installed only for FMS-175GSX and FMS-305GSX as an option.



Power outage warning buzzer kit

The cell battery type kit notifies power outage by buzzer if it occurs.