PHCbi

Life Science Innovator Since 1966

MIR-254-PA

Cooled Incubators

Cooled

MIR Series
EPA SNAP Compliant Refrigerants

MIR-254-PA
8.4 cu.ft. | 238 L

This cooled incubator is suitable for applications that require a temperature range of -10°C to +60°C. Programs can be set for three-step functions useful for investigations involving microbiology, plant cell biology and more. These incubators maintain accurate temperature control and consistent uniformity making them a great fit for laboratory, industrial and testing applications.

Stable Performance

The high performance conditioning system delivers a stable temperature environment with excellent uniformity across a wide temperature range. Industrial quality heaters are used to assure fast response to controller demand following door openings.

Adjustable Cabinet Design

Gentle fan forced airflow creates optimum temperature uniformity without drying out media. Reversible doors with triple-pane glass promote temperature stability. Adjustable wire shelves include protective coating for long life. Interior fluorescent lamps are standard.

Programming

Incubator function includes adjustable programs to manage temperature, start and stop times, clock modes, countdowns and timer delays. All programming is entered through the touchkey interface. Up to 10 programs can be stored in memory.

Wide Temperature Range

Temperature setpoints are adjustable in 0.1°C increments over the operating range from -10°C to +60°C. Temperature flexibility permits use in a variety of storage, processing and testing applications.

Microprocessor Controller

The microprocessor-based temperature control system with memory back-up has touchkey interface to simply program and setpoint inputs as desired. High visibility LCD temperature and time displays provide real-time status. Audible and visual alarms warn of setpoint deviations.

SNAP Compliant Refrigerants

New generation SNAP compliant, low flammability HFO refrigerants assure low environmental impact. The use of SNAP compliant refrigerants underscores enhances performance and reliability while supporting facility sustainability objectives. For information on SNAP refrigerants visit https://www.epa.gov/snap.

MIR-254-PA

Dimensions

Unit : inch | mm

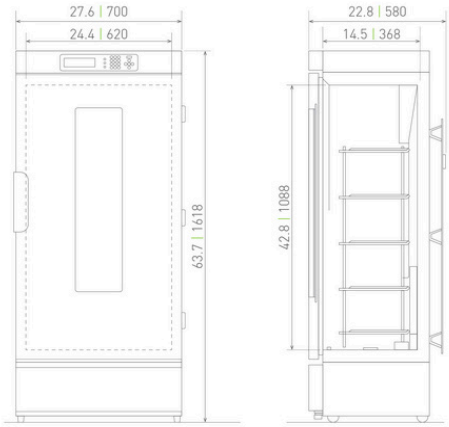

Illustration shown for Model MIR-254-PA.

Dimensions		MIR-254-PA
Exterior Dimensions (W x D x H)	inches | mm	27.6 x 22.8 x 63.7 | 700 x 580 x 1618
Interior Dimensions (W x D x H)	inches | mm	24.4 x 14.5 x 42.8 | 620 x 368 x 1088
Volume	cu. ft. | liters	8.4 | 238
Net Weight	lbs | kg	238 | 108
Performance		
Warranty [1]		3 years parts & labor
Cooling Performance [2]	˚C	-10°C to 60°C
Uniformity	˚C	+/- 1.5C (-10°C to Ambient) | +/-0.2C (from Ambient to 60°C)
Control		
Controller		Microprocessor & PID Control
Display		LCD - alpha numeric viewscreen
Temperature Sensor		Thermistor
Programming		12 steps, 1 to 99 repeatable, max. 10 program memory
Refrigeration		
Refrigeration System		Single compressor
Compressor	W	1 (250 Output)
Condenser		Wire / tube – exterior back
Refrigerant [3]		SNAP approved R-513A
Conditioning System		Fan forced air
Insulation Material		Rigid polyurethane foamed-in place
Defrost		Automatic and manual
Defrost Heater	W	1 (218)
Construction		
Exterior		Painted steel
Outer Door	qty	1 (Solid painted steel w/ view window)
Interior		Stainless steel
Light		1 (15W fluorescent)
Outer Door - Key Lock		—
Stackable		—
Wire Shelves – Adjustable [4]	qty	5
Shelf – Dimension (W x D)	inches | mm	22.4 x 11.8 | 570 x 300
Max. Load per Shelf	lbs | kg	44 | 20
Wire Shelf [4]	qty	—
Shelf – Dimension (W x D)	inches | mm	—
Max. Load per Shelf	lbs | kg	—
Stainless Steel Tray	qty	1 (not adjustable)
Access Port	qty	1 (w/ plug)
Access Port Position		Left sidewall
Access Ports	inches | mm	1.6 | 40
Casters	qty	4
Leveling Feet - Adjustable	qty	4
Alarms (V = Visual, B = Buzzer, R = Remote)		
Power Failure		R
High Temperature		B-R
Low Temperature		B-R
Door Open		V-B
Remote Alarm Contacts		DC 30V 2 A (normally open, normally closed, common)
Electrical and Noise Level		
Power Supply		115V, 1Ø, NEMA 5-15P, requires NEMA 5-15 R receptacle
Frequency	Hz	60
Noise Level	dB(A)	44
Options		
Pad Lock Bracket		MIR-LP
Light Add-On Kit		MIR-L15
Black Out Panel		MIR-254BP-PW
Optional Communication System		
Wireless, Cloud-Based, Automatic Data Management		LabAlert® Monitoring System* | LabSVIFT [5] Gen 2
4-20mA Output		MTR-420MA-PW | MTR420MAC* Self powered | MTR420MAL* Loop Powered

[1] Current warranty offered at time of printing and may be subject to change; US and Canada only
[2] When running at ambient temperature: 5°C to 35°C, no load
[3] Compliant with SNAP Acceptability Determination https://www.epa.gov/sites/production/files/2016-09/documents/snap_notice_31_factsheet.pdf
[4] Polyethylene coated steel wire shelves
[5] Must be purchased with MTR-480 Interface or other LabSVIFT probes
* Manufactured by third party
Note: The unit with CE mark complies with EC directives. Design or specifications may be subject to change without notice.

Specifications are subject to change without notice.
For latest specification information contact PHC Corporation of North America at info@us.phchd.com.

PHC Corporation of North America
1300 Michael Drive, Suite A, Wood Dale, IL 60191
Toll Free USA (800) 858-8442, Fax (630) 238-0074
www.phchd.com/us/biomedical