

Cooled Incubators

Cooled



MIR-554-PA

MIR Series
EPA SNAP Compliant Refrigerants

MIR-554-PA
14.3 cu.ft. | 406 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. The large capacity model includes a light tight cover. 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 enhanced performance and reliability while supporting facility sustainability objectives. For information on SNAP refrigerants visit <https://www.epa.gov/snap>.



MIR-554-PA

Dimensions

Unit : inch | mm

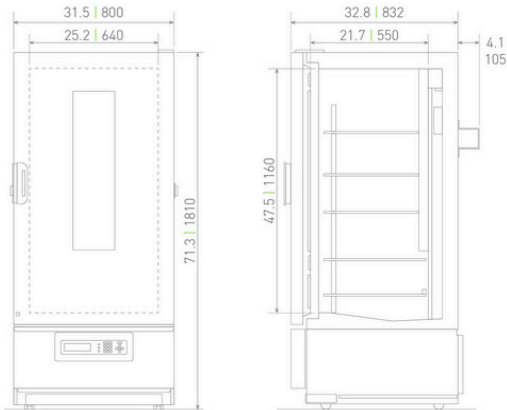


Illustration shown for Model MIR-554-PA.

| Dimensions | | MIR-554-PA |
|--|------------------|--|
| Exterior Dimensions (W x D x H) | inches mm | 31.5 x 32.8 x 71.3 800 x 832 x 1810 |
| Interior Dimensions (W x D x H) | inches mm | 25.2 x 21.7 x 45.7 640 x 550 x 1160 |
| Volume | cu. ft. liters | 14.3 406 |
| Net Weight | lbs kg | 430 195 |
| 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, rear wall plenum |
| Insulation Material | | Rigid polyurethane foamed-in place |
| Defrost | | Automatic and manual |
| Defrost Heater | W | 1 (322) |
| Construction | | |
| Exterior | | Painted steel |
| Outer Door | qty | 1 (Solid painted steel w/ view window and light tight door) |
| Interior | | Stainless steel |
| Light | | 1 (15W fluorescent) |
| Outer Door - Key Lock | | Standard |
| Stackable | | — |
| Wire Shelves – Adjustable ⁴⁾ | qty | 4 |
| Shelf – Dimension (W x D) | inches mm | 22.9 x 17.3 580 x 440 |
| Max. Load per Shelf | lbs kg | 110 50 |
| Wire Shelf ⁴⁾ | qty | 1 (lower) |
| Shelf – Dimension (W x D) | inches mm | 22.9 x 19.3 580 x 490 |
| Max. Load per Shelf | lbs kg | 110 50 |
| Stainless Steel Tray | qty | — |
| Access Port | qty | 2 (w/ plug) |
| Access Port Position | | Left and right sidewall |
| Access Ports | inches mm | 1.6 40 |
| Casters | qty | 4 |
| Leveling Feet - Adjustable | qty | 4 |
| Alarms | | |
| 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) | 45 |
| Options | | |
| Pad Lock Bracket | | MIR-LP |
| Light Add-On Kit | | MIR-L15 |
| Shelf Kit | | MIR554SL |
| Optional Communication System | | |
| Wireless, Cloud-Based, Automatic Data Management | | LabAlert® Monitoring System ⁵⁾ LabSVIFT ⁶⁾ Gen 2 |
| 4-20mA Output | | MTR-420MA-PW MTR420MAC ⁷⁾ Self powered MTR420MAL ⁷⁾ 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 wire shelves
⁵⁾ Manufactured by others
⁶⁾ Must be purchased with MTR-480 Interface or other LabSVIFT probes
⁷⁾ Manufactured by third party
Note: The unit with CE mark complies with EC directives. Design or specifications may be subject to change without notice.



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