

NORLAKE®



*New Enhanced Controls
& SciPak™ Refrigeration
Systems For Added
Precision & Reliability*



SCIENTIFIC **MINI ROOM** Controlled Temperature Rooms

PRODUCT DETAILS

Mini Rooms are ideal for general-purpose cold storage in laboratories, university and medical research facilities, morgues, agriculture rooms as well as museum art and collections storage. In addition, Mini Rooms are used to store reagents, media, proteins, specimens and other samples and solutions.



UL approved control panel complete with circuit breakers and multi audio visual alarms for added safety.

- Close tolerance electronic chart recorder for accurate monitoring
- Advanced programmable microprocessor provides exceptional control for several parameters

Spring actuated door closer for dependable door seal

Long lasting efficient LED interior lighting

Deadbolt locking door handle with independent key/padlock feature and inside safety release

ADDITIONAL MINI ROOM FEATURES

- 26 ga. corrosion resistant stucco embossed coated steel on all surfaces (except interior floor)
- Smooth aluminum interior floor (on models with floor)
- Floorless models supplied with NSF listed vinyl sealers
- Digital thermometer
- 26" door opening
- Self-closing door with cam-lift hinges
- Quick inside safety release
- Magnetic door gasket
- Perimeter door heater wire
- Switch and pilot light
- CFC free polyurethane insulation - meets latest EPA rulings
- NSF listed, UL flame spread 25 on panels; UL electrical listing on door section
- City of New York listed
- City of Houston listed
- City of LA listed
- California State listed
- Oregon State listed
- USDA accepted
- Made in the USA

ALL MODELS SHIP WITHIN 20 BUSINESS DAYS!

PRODUCT DETAILS

MAXIMUM PRODUCT PROTECTION

Mini Rooms provide +/- 3.0°C uniformity and +/- 2.0°C variation (excludes defrost periods on freezers) and feature both air and product temperature sensors for maximum product protection.

- In the event of air temperature fluctuation, sensors trigger an audible alarm
- Sensors will shut down room operation if product temperature is outside of the design parameters to protect product and system integrity
- Note:
 - Temperature uniformity is defined as the temperature change of each of twelve type T-24 Ga. Thermocouples located on a horizontal plane 40" from the floor, 12" from the walls, as measured over a 24-hour period.
 - Temperature variation is defined as the temperature variation of the single product sensing element measured over a 24-hour period.
 - Uniformity and variation information is based on ambient conditions of 23°C and 50% RH and they will vary more if the ambient conditions change on freezers during defrost periods and if there is interference to the airflow caused by product or other changes.

SCIPAK™ REFRIGERATION SYSTEMS

SciPak refrigeration systems are an ideal solution for simple installation. With the condensing unit and evaporator coil contained in a single housing, systems set in place easily on top of the Mini Room. Additionally, all systems are factory assembled, wired, charged, tested and fully equipped for fast and easy insertion into the factory prepared walk-in opening.

- Standard on Mini Room coolers and freezers
- Flush coil makes full use of interior space
- Easy installation with no floor drain required
- UL and C-UL electrical listing on complete SciPak refrigeration systems
- CARB compliant
- **Features LogiTemp® Plus With Reverse Cycle Defrost electronic controller system (see pages 4-5 for more)**



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LOGITEMP® PLUS WITH REVERSE CYCLE DEFROST SYSTEM

Mini Room SciPak refrigeration systems are equipped with the LogiTemp Plus electronic controller to increase the safety of stored products while reducing energy and installation costs. As an integrated part of refrigeration systems, LogiTemp Plus boosts system efficiency and provides many other benefits.

PRODUCT SAFETY

- More precise and reliable controls than an all-mechanical system for increased product safety
- Instant notification of refrigeration issues through error codes and data provided online

ENERGY SAVINGS

- Patented design saves up to 27% more energy than an all-mechanical system
- Demand Defrost technology initiates defrosts only as needed for further energy savings

- Defrost time, when initiated, is also greatly shortened
- Reverse Cycle Defrost function provides additional savings (see sidebar below)
- Save 2-4% more energy with the fan cycle option which saves electricity by cycling the evaporator fans during the compressor's off cycle

CONNECTIVITY

- Software loaded on each controller allows remote monitoring and programming using any device with a wireless internet or cabled (cat 5) connection
- No need for a service tech to climb onto a roof or enter the freezer to monitor or adjust the refrigeration system
- Constant data access allows users to improve refrigeration performance and avoid service issues
- Ability to connect to a building automated system (BAS)

WHAT IS REVERSE CYCLE DEFROST?

When evaporator coils are blocked due to ice build-up, they lose the ability to transfer heat properly. Temperatures in a refrigerated space then rise, resulting in product loss. To protect your stored items, each SciPak refrigeration system is equipped with the LogiTemp Plus with Reverse Cycle Defrost function that completely removes frost build-up in coils. Reverse Cycle Defrost offers several advantages:

- Reduces defrost energy usage by up to 80% over traditional electric heaters
- **Performs a defrost in as little as 3 to 5 minutes in a freezer or 1-1/2 to 2 minutes in a cooler. Average defrost time for a freezer with electric heaters is 20 to 30 minutes.**
- **Shorter defrost times allow more consistent interior temperature and protect product integrity**

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LOGITEMP® PLUS WITH REVERSE CYCLE DEFROST SYSTEM

DETACHABLE INTERFACE



LogiTemp® Plus settings are accessible through a detachable tablet interface located on the front of the freezer. Operators may monitor and adjust refrigeration settings on site or remove the tablet and take with them for remote access.

System performance data may also be accessed from any other device with an internet connection including PC or Mac desktops as well as Android or iOS smart phones.



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HOW TO ORDER

ORDERING IS EASY!

Simply follow the steps below and your indoor cooler or freezer will ship within 20 working days!

STEP 1 MODEL NUMBER "MR"

In determining your Mini Room model number, remember all models start with an "MR" prefix.

STEP 2 DESIGN TEMPERATURE

- "C" = +4°C Cold Room ("MRC")
- "F" = -20°C Freezer ("MRF")

STEP 3 OVERALL ROOM HEIGHT REQUIRED

- " " (Blank) = height of 6'7"
- "74" = 7'4" floorless (cold room only)
- "77" = 7'7" with-floor

Heights are for the room only and do not include the top mount refrigeration system or recommended spacing for service and air flow.

STEP 4 SIZE AND SHAPE

Choose from one of the floor plans shown below. Proper numbers for each layout and optional door location are shown in the center of the floor plan.

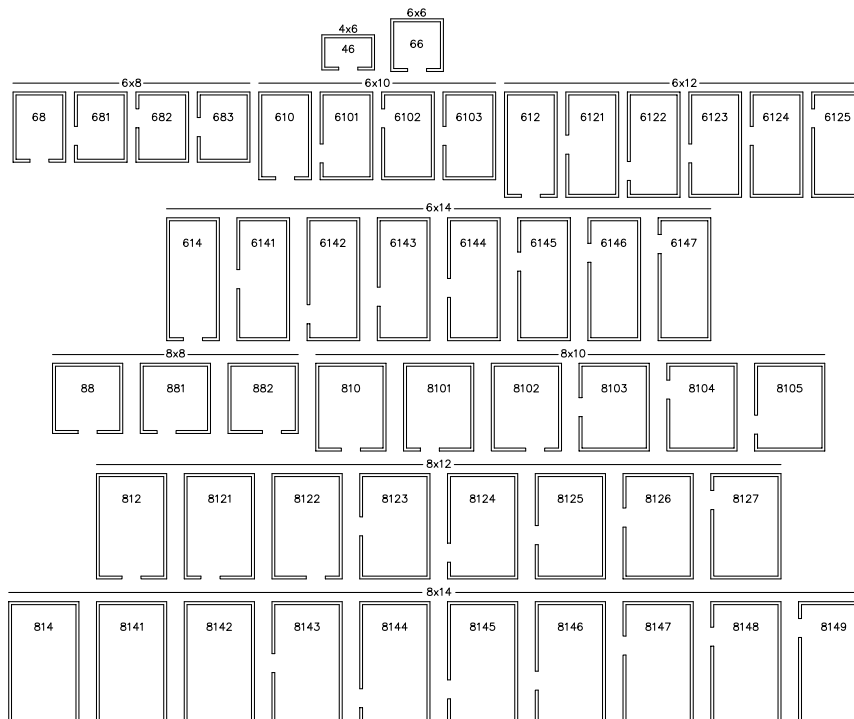
STEP 5 DOOR SWING

- "R" = right hand hinging
- "L" = left hand hinging

Hinging is as viewed from outside of the room facing the door.

Example: **MRC7466-CR**

Mini Room, 4°C Cold Room, 7'4" Tall x 6' Wide and 6' Long with Right Hand Door Swing



Can't find what you're looking for?

Additional sizes, combination models, outdoor and remote refrigeration systems are available, contact your factory sales representative for pricing.

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SPECIFICATIONS

MINI ROOM COLD ROOMS

| 4°C Operation | | |
|-------------------------|------------------|---------------|
| 6'-7" With Floor Layout | Shipping Weight* | Cubic Footage |
| MRC46-CX | 741 | 105 |
| MRC66-CX | 908 | 168 |
| MRC68-CX | 1067 | 231 |
| MRC610-CX | 1226 | 295 |
| MRC612-CX | 1385 | 357 |
| MRC614-CX | 1796 | 420 |
| MRC88-CX | 1254 | 318 |
| MRC810-CX | 1440 | 404 |
| MRC812-CX | 1880 | 490 |
| MRC814-CX | 2066 | 578 |

| 4°C Operation | | |
|------------------------|------------------|---------------|
| 7'-4" Floorless Layout | Shipping Weight* | Cubic Footage |
| MRC7466-CX | 862 | 196 |
| MRC7468-CX | 1013 | 270 |
| MRC74610-CX | 1267 | 344 |
| MRC74612-CX | 1395 | 418 |
| MRC74614-CX | 1628 | 490 |
| MRC7488-CX | 1279 | 372 |
| MRC74810-CX | 1418 | 473 |
| MRC74812-CX | 1666 | 574 |
| MRC74814-CX | 1807 | 675 |

| 4°C Operation | | |
|-------------------------|------------------|---------------|
| 7'-7" with floor Layout | Shipping Weight* | Cubic Footage |
| MRC7766-CX | 984 | 196 |
| MRC7768-CX | 1155 | 270 |
| MRC77610-CX | 1326 | 344 |
| MRC77612-CX | 1520 | 418 |
| MRC77614-CX | 1922 | 490 |
| MRC7788-CX | 1354 | 372 |
| MRC77810-CX | 1575 | 473 |
| MRC77812-CX | 2005 | 574 |
| MRC77814-CX | 2205 | 675 |

MINI ROOM FREEZERS

| -20°C Operation | | |
|-------------------------|------------------|---------------|
| 6'-7" with Floor Layout | Shipping Weight* | Cubic Footage |
| MRF46-CX | 906 | 105 |
| MRF66-CX | 1076 | 168 |
| MRF68-CX | 1602 | 231 |
| MRF610-CX | 1491 | 295 |
| MRF612-CX | 1668 | 357 |
| MRF88-CX | 1519 | 318 |
| MRF810-CX | 1723 | 404 |
| MRF812-CX | 1927 | 490 |

| -20°C Operation | | |
|-------------------------|------------------|---------------|
| 7'-7" with Floor Layout | Shipping Weight* | Cubic Footage |
| MRF7766-CX | 1252 | 168 |
| MRF7768-CX | 1420 | 231 |
| MRF77610-CX | 1609 | 295 |
| MRF77612-CX | 1781 | 357 |
| MRF7788-CX | 1637 | 318 |
| MRF77810-CX | 1836 | 404 |

*Shipping weight may vary based on accessories ordered and does not include refrigeration system.

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OPTIONS & ACCESSORIES

- 26", 30" or 36" wide kick plates (30" high in either stainless steel or aluminum diamond tread)
- 30" or 36" wide door section upgrade (In lieu of standard 26" width, if the standard shelving kit is used with this wider door it may extend into the door opening. 36" wide door not available on 6'7" tall models.)
- 36" wide exterior ramp
- 24" or 48" LED light fixture (shipped loose)

SHELVING KITS

- Specially designed three- or four-tier shelving kits are available for all Mini Rooms
- Norlake Scientific Chrome Kote™ shelving systems are easy to assemble and feature rigid construction
- Chrome Kote shelving available as standard when included in order
- Flexible shelf adjustment in 1" increments
- Norlake shelving utilizes a support clip to eliminate center posts
- The Norlake Klip™ provides maximum space utilization for storage leaving the door opening clear of end standards
- Special epoxy coated finish Green Kote™ shelving provides extra protection from acidic products (consult factory for pricing and lead time)



NORLAKE®



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RSG
Refrigerated Solutions Group®

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