Temperature range	4°C to 50°C
Temperature uniformity	± 0.7°C
Temperature control at sensor	± 0.2°C
Control resolution	± 0.1°C
Humidity control	±3%
Cooling/Heating type	Thermoelectric/Peltier driven-for heating/Cooling
Chamber Volume in Cu. Ft	3 cu.ft
External Dimension-LXWXH	27" x 22" x 23.5"
Internal Dimension-LXWXH	21" x 13.5" x 20"
Cabinet specs	Durable-Polyethylene construction with CFC Free polyurethane insulation.
Lights	LED lights with timer.
Electrical requirement	115V/60hz/1ph, Unit plugs into standard wall outlet.
Shelf quantity, type	2 per chamber/ additional shelves available, wire shelf- chromed steel. Shelf dimension- 13"x19".
Weight specs	Chamber weight- 35lbs Shipping weight- 50lbs

Specifications are based on 20°C ambient and standard voltage. Specifications are subject to change without notice.

Chamber options:

- Access ports
- Additional shelving

Chamber features:

This is a 3 cu.ft laboratory incubator capable of performing in wide temperature range(4°c to 50°c) with precise temperature control over the entire range. The heating/chilling incubator can be used in wide range of application including.

- Protein crystal growth
- Enzyme reactions and deactivations
- Ligations
- Incubating marine cultures below ambient
- Culture growth above, below or at ambient
- Storing DNA libraries

Chambers feature a unique double shell-filled with commercial-grade polyurethane material for optimal insulation. Inlaid sealing ring and nylon latch for enhanced seal/performance. The chamber is made out of LLPDE material shell.

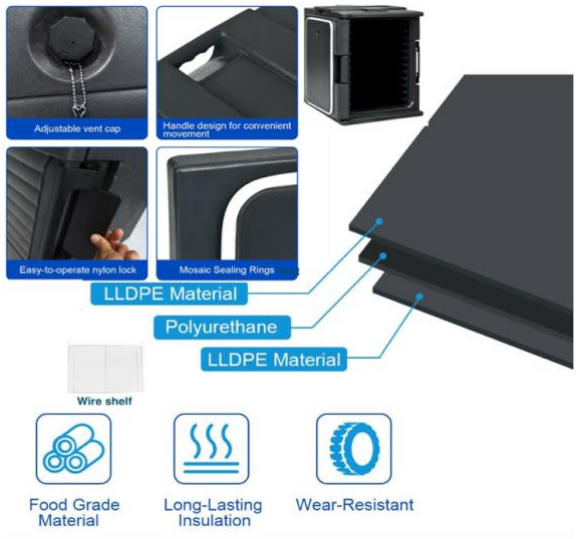
The IRC3 models comes with 12 molded slots. We provide 2 wire shelves with each chamber. Additional shelves are available for purchase. Shelves can support up to 25lbs distributed load. The Chamber comes with 2 hidden molded handles that enables users to move the chamber with ease. The chamber is also stackable without additional parts.

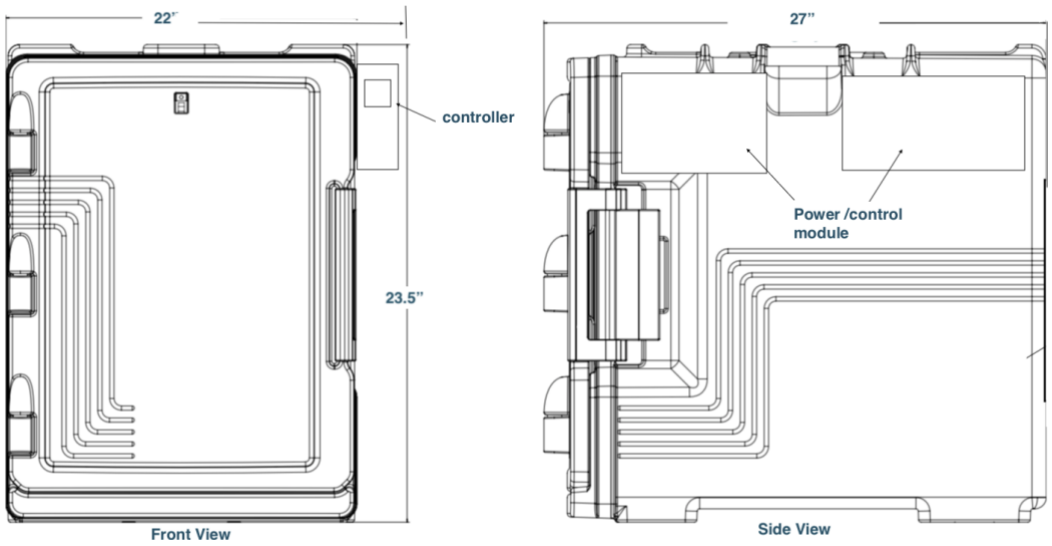
Chamber uses thermoelectric assembly for heating and cooling. This type of cooling/heating system completely eliminates need for conventional refrigeration system and failures due to mechanical components such as compressors thereby drastically increasing the life expectancy of each chamber. Maintenance cost is also lowered by the thermoelectric/Peltier driven heating/cooling system. The chamber is quiet while in operation. Chamber temperature setpoints are tightly controlled using PID controller.

Standard Temperature control features:

- RS485 panel mount-usb cable interface
- Simplifies Controller Management with Easy-to-Operate Graphic User Interface
- Provides Access to Advanced Scripting Capabilities
- Visually interpret thermal data
- Control access via software, export data in csv format
- 2 programmable alarm

Technical specs and drawings





- Add 5” in the rear for humidifier models (32” overall depth)