

LEEC Precision Cooled Incubators give accurate and reliable temperature-controlled storage for your products, and robust construction which is designed to last.

CONSTRUCTION

All models are made from rust-resistant steel finished in tough white polyester powder coat paint with anti-microbial properties. Inner chambers are made from stainless steel and have adjustable perforated stainless-steel shelves. Low wattage heaters are bonded to the outer wall of the chamber and encased in expanding polyurethane foam insulation, which gives optimum temperature stability. The fan (two in the P33C) blends the warm air and cool air, and then circulates it around the chamber via a full-width air duct. Two 12mm access ports are fitted to allow cables to be fed into the chamber for shakers, stirrers or temperature monitoring probes.

MICROPROCESSOR CONTROLLER

The digital temperature controller accurately controls both the heating and cooling functions. The unique LEEC cooling system controls refrigerant flow to the evaporator, eliminating the possibility of overcooling. Heating is pulsed by the controller only when needed - a very energy-efficient method of achieving stable temperature control which reduces the need for auto defrost, except when operating at the lowest chamber operating temperatures.

SAFETY

A digital over and under temperature cut out & alarm system gives essential protection for the products inside the chamber. Visual warning lights and audible alarms give clear indications when the chamber temperature is out of limits. The cut out will disconnect the heating or cooling system if an over or under temperature situation occurs.

DIGITAL DUAL TEMPERATURE CYCLING

(Optional) digital dual temperature cycling allows the chamber temperature to automatically cycle between two pre-programmed temperatures. The timer allows for 24-hour or 7-day programming.

Standard Features:

- Microprocessor controller with digital display
- Stainless steel chamber and shelves
- Digital over and under temperature protection
- Inner glass doors
- Two 12mm cable access ports
- Energy efficient heating and cooling systems
- Fan assisted
- High quality thermal insulation

Options:

- Automatic Defrost
- Dual Temperature Cycling
- Digital Data Recorder
- Large 40mm access port



Model P33C (doors open)

Precision Cooled Incubators



	P2C	P3C	P33C
Temperature * Range Control Variation Refrigerant	0°C to +60°C Typically $\pm 0.2^{\circ}\text{C}$ Typically $\pm 0.5^{\circ}\text{C}$ R134a	0°C to +60°C Typically $\pm 0.2^{\circ}\text{C}$ Typically $\pm 0.5^{\circ}\text{C}$ R134a	0°C to +60°C Typically $\pm 0.2^{\circ}\text{C}$ Typically $\pm 0.5^{\circ}\text{C}$ R134a
Construction Chamber Exterior Access Port Insulation	Stainless steel White painted steel Two 12mm ports CFC-free	Stainless steel White painted steel Two 12mm ports CFC-free	Stainless steel White painted steel Two 12mm ports CFC-free
Chamber Capacity	150 L	320 L	730 L
Castors	No	No	Yes (lockable)
Shelves Included	4	6	6
Inner Glass Doors	1	2	4
External Dimensions (H x W x D mm)	1075 x 635 x 660	1745 x 635 x 660	1745 x 1270 x 660
Internal Dimensions (H x W x D mm)	590 x 510 x 490	1275 x 510 x 490	1275 x 1140 x 490
Weight	100 KG	145 KG	250 KG
Power Rating	800 Watts	850 Watts	1050 Watts
Electrical Supply	220/240V AC 50 Hz	220/240V AC 50 Hz	220/240V AC 50 Hz
Warranty	1 year	1 year	1 year

* Temperature specification for model P2C at 20°C ambient.