



Model P3C

## Models P2C, P3C & P33C

### Standard Features

#### Controls

- PID Microprocessor with digital display.
- Digital overtemperature safety cutout.

#### Construction

- Stainless steel chamber with adjustable shelves.
- Efficient polyurethane foam insulation.
- Two 12mm access ports.

#### Heating and Cooling

- Unique pulsed heating and cooling is very energy- efficient.
- Quiet hermetically sealed compressor, with air cooled condenser.
- Low wattage heaters are bonded to the outer wall of the chamber to eliminate 'hot-spots'.

#### Safety

- Digital overtemperature safety cutout with visual alarm.
- Chamber is internally sparkfree.
- Insulation is CFC free.

#### Optional Extras

- Chart recorder.
- Audible alarm.
- Auto defrost.
- Dual temperature cycling.

#### Note

LEEC also manufacture a range of Separate Self-contained Refrigeration Units to use with LEEC Precision Incubators. These are particularly useful in crystallography work as they eliminate vibration. Contact our sales office for details.

These models are of a rugged design and are fitted with microprocessor controls.

### Construction

All models are made from rust resistant steel finished in tough white stove enamel paint. Inner chambers are made from stainless steel and have adjustable shelves. The circulation fan gently forces air around the chamber via a full-width rear duct. Two access ports are provided so that cables can run into the chamber for shakers, stirrers or temperature monitoring probes. The low wattage heaters are bonded to the outer wall of the chamber and surrounded by polyurethane insulation to help achieve optimum temperature stability.

### Specification

Models	P2C	P3C	P33C	
Temperature* Range	0°C to +60°C			
Control Variation	Typically ±0.2°C			
Refrigerant	Typically ±0.5°C CFC-free			
Construction Chamber	Stainless steel			
Exterior	White painted steel			
Castors	Optional			
Access Port	Standard, 2x12mm			
Insulation	CFC-free			
Chamber Capacity (litres)	150	320	730	
Dimensions (mm) - External	H	1075	1745	1745
	W	635	635	1270
	D	660	660	660
Max. Internal	H	590	1275	1275
	W	510	510	1140
	D	490	490	490
Sheves Supplied	4	6	6	
Weight (kg)	100	145	250	
Power Rating (W)	800	850	1050	

### Microprocessor Controls

The temperature controller accurately controls both the heating and cooling functions. The unique LEEC cooling system controls refrigerant flow to the evaporator, thereby eliminating the possibility of unwanted overcooling. Heating is pulsed only as required. Pulsing is a very energy-efficient method of achieving stable temperature control and eliminates the need for autodefrosting except at the lowest of operating temperatures.

### Dual Temperature Cycling

This optional facility allows the chamber temperature to cycle automatically between two preset values.

\*Temperature specification for Model P2C at 20°C ambient.



**Wolflabs**

# Wolf Laboratories Limited

[www.wolflabs.co.uk](http://www.wolflabs.co.uk)

Tel: 01759 301142

Fax: 01759 301143

[sales@wolflabs.co.uk](mailto:sales@wolflabs.co.uk)



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