



FLAME PROOF OVEN

Features

Labec's Flame proof ovens are manufactured in Australia with high quality stainless steel for easy maintenance and excellent durability. A purpose built oven, it conforms to Australian Standard AS1681-2002, suitable for applications where volatile matters such as bitumen, paint or varnishes are present.

The oven features a horizontal air flow system where the air passes only once through the chamber and out the top vent which provides continuous positive ventilation. A door activated timer purges the elements to remove volatile vapours and is fitted with an explosion/blowout port ratio 1:4.5 of chamber volume.

The door seals on a silicon gasket to ensure no leaks and thus uniform temperatures throughout and features a safety microswitch which cuts power to the heaters when opened.

A digital microprocessor based PID temperature



controller controls the temperature within the range ambient +5°C to +200°C, temperature fluctuation at 105°C is +/- 1°C, when optioned the controller can be connected via RS232/RS458 communication ports which can be connected directly to a data logger or computer to collect this information. Software is available for programming and monitoring.

To suit your functionality the addition of options such as a safety toughened glass viewing window for easy viewing, programmable controllers, timers and cable access ports are also available.

Other features include:

- Over Temperature Thermostat
- RCD/ ELB (earth leakage breaker)
- Type K Thermocouple
- Stainless Steel exterior



Laboratory Equipment Pty Ltd

Laboratory Equipment Pty Ltd
Email: sales@labec.com.au
Ph: 02 9560 2811 • Fax: 02 9560 6131
www.labec.com.au

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Specifications

Model	FP18	FP24	FP50
Capacity (L)	66	160	507
Int. Dim. (cm) HxWxD	46x38x38	60x50x50	120x65x65
Ext. Dim. (cm) HxWxD	135x60x48	150x72x60	210x87x75
Temp. Controller	Digital PID Controller		
Temp. Min	Ambient+5°C		
Temp. Max	200°C		
Temp Setting Accuracy	+/-0.1°C		
Temp. Fluctuation	+/-1°C		
Temp. Sensor	Type K		
Heating System	Electric Element		
Interior Material	Stainless Steel		
Exterior Material	Stainless Steel		
Shelves	2		3
Options	Glass or acrylic viewing window, castors, cable entry port, additional shelves, timer, programmable temperature profiler		
Power (W)	Three Phase Power Required		
Weight (kg)	84	92	99



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